



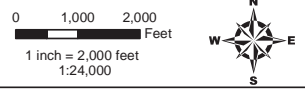
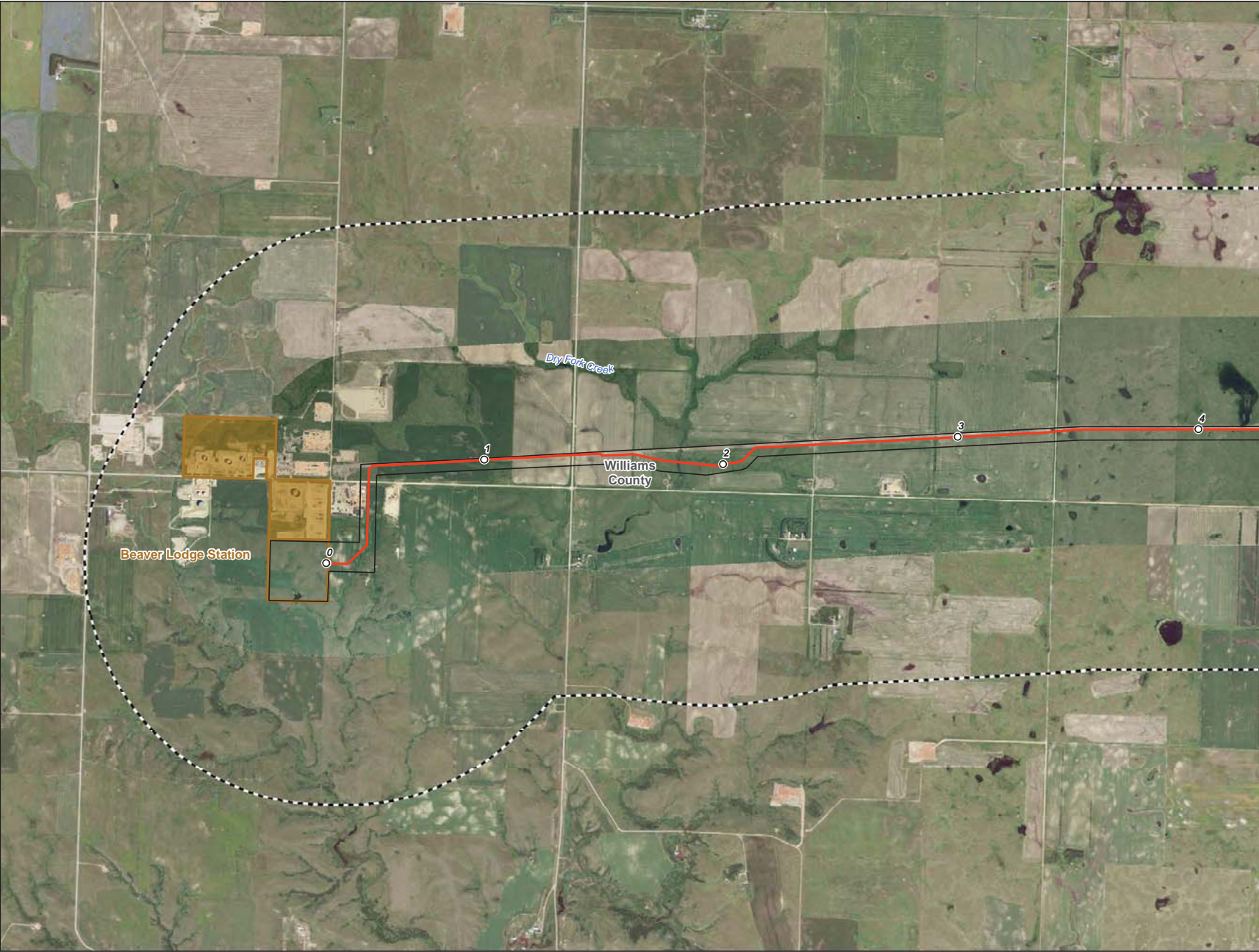
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Exhibit I.1	Exclusion Areas
Exhibit I.2	Avoidance Areas
Exhibit I.3	Other Criteria Considered



**Exhibit I.1**



- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
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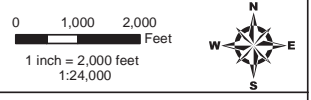
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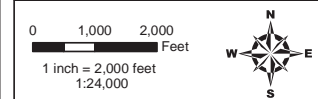
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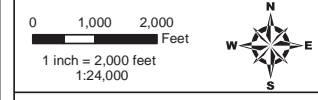
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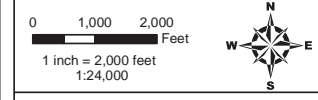
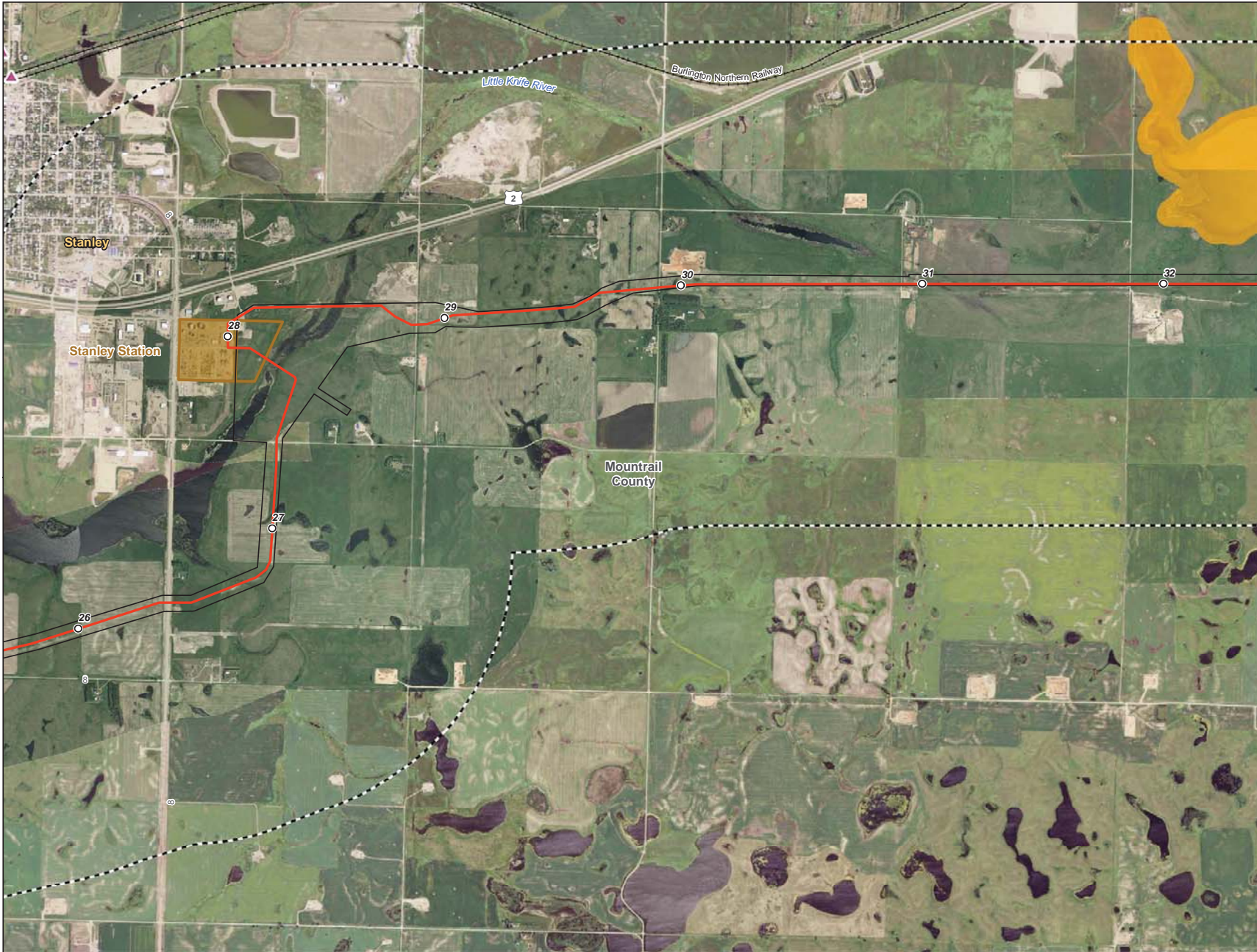
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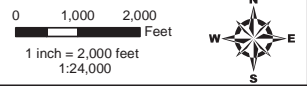
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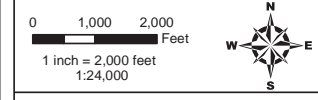
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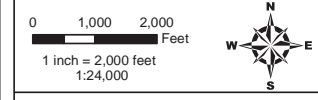
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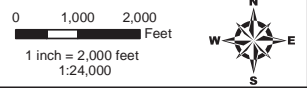
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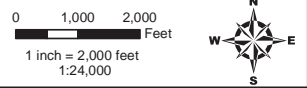
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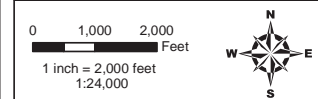
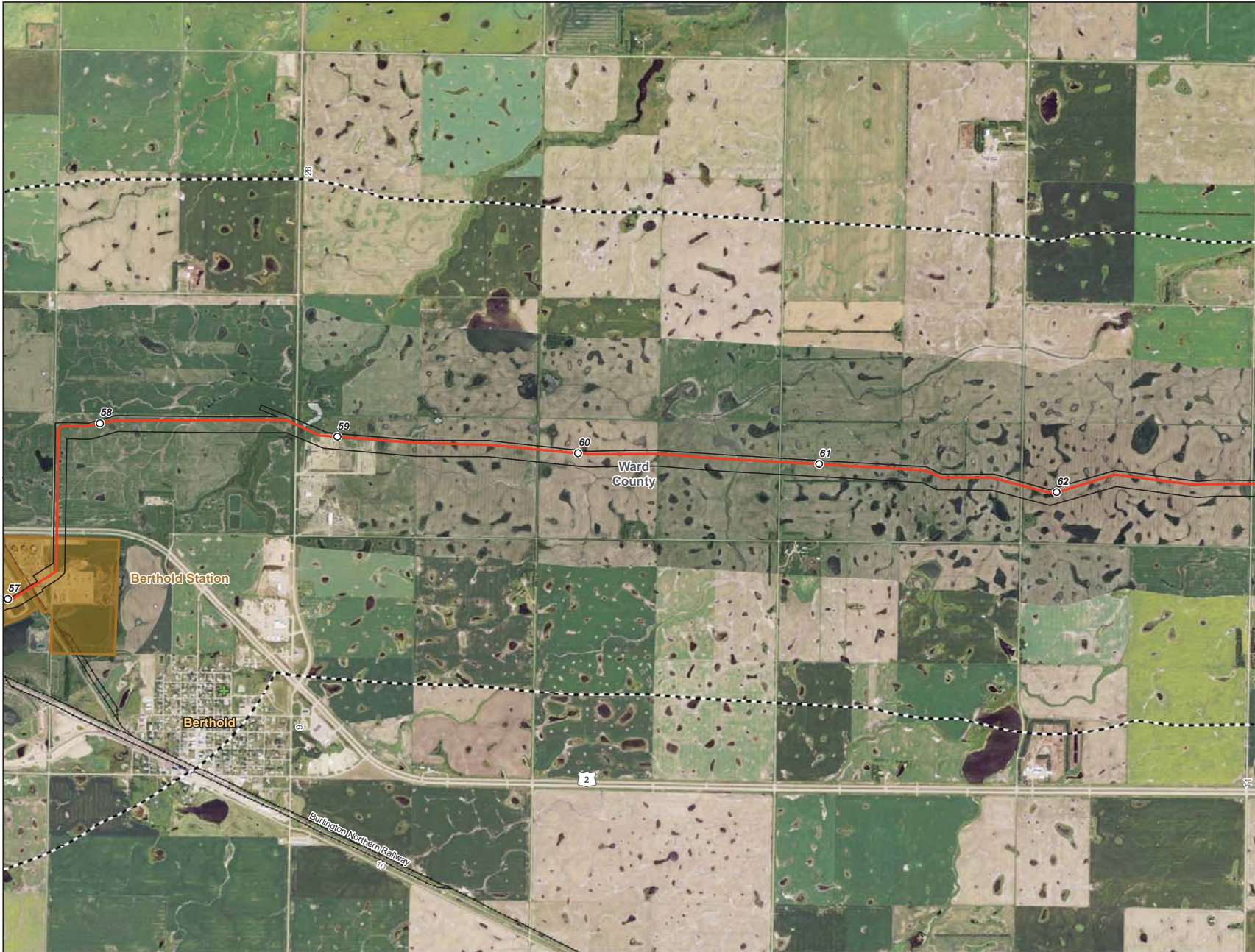
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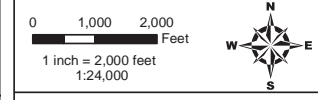
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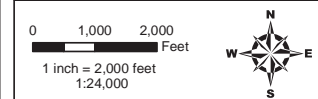
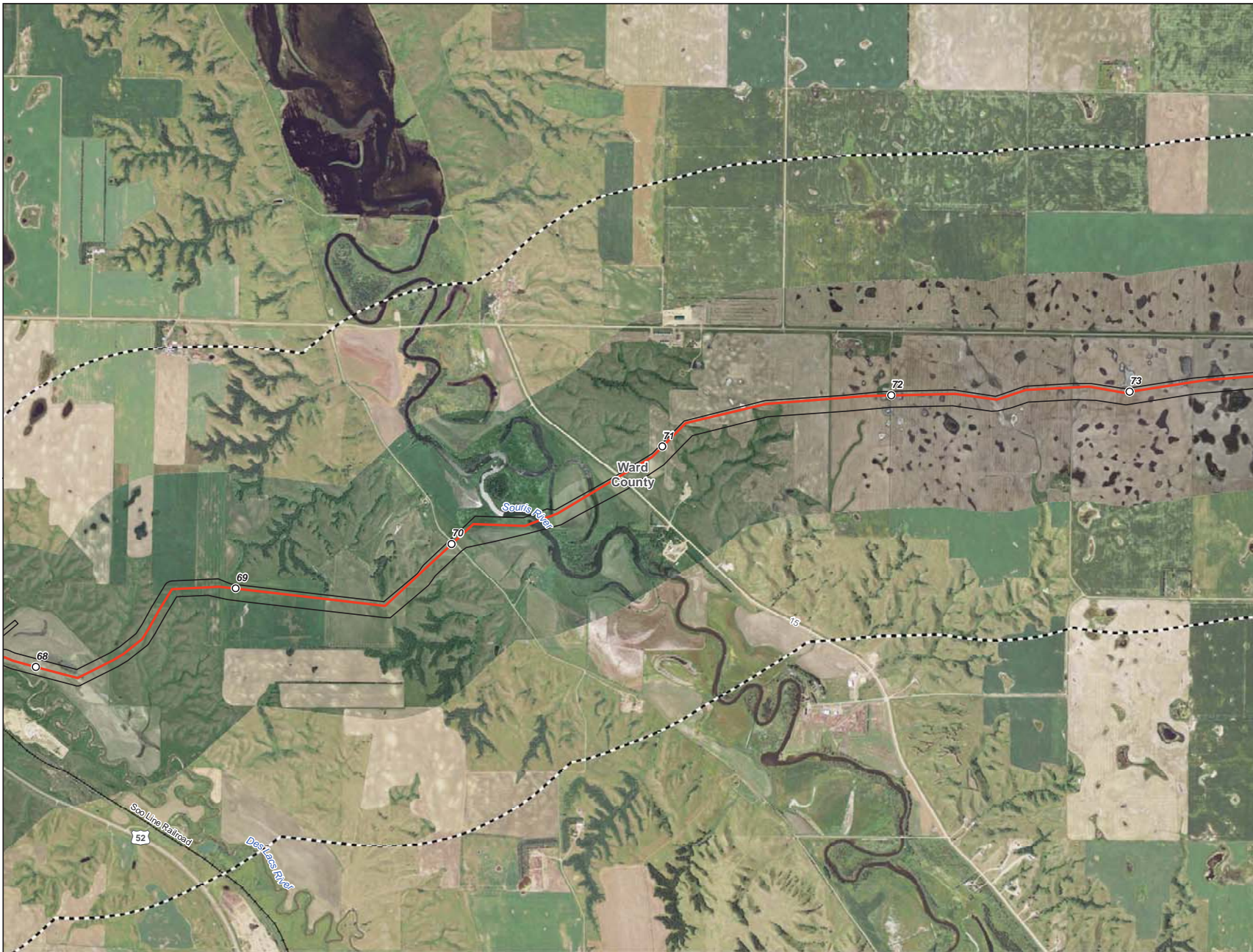
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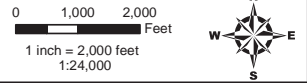
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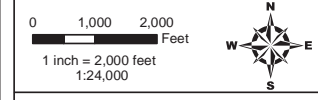
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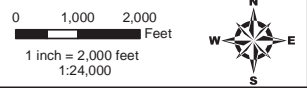
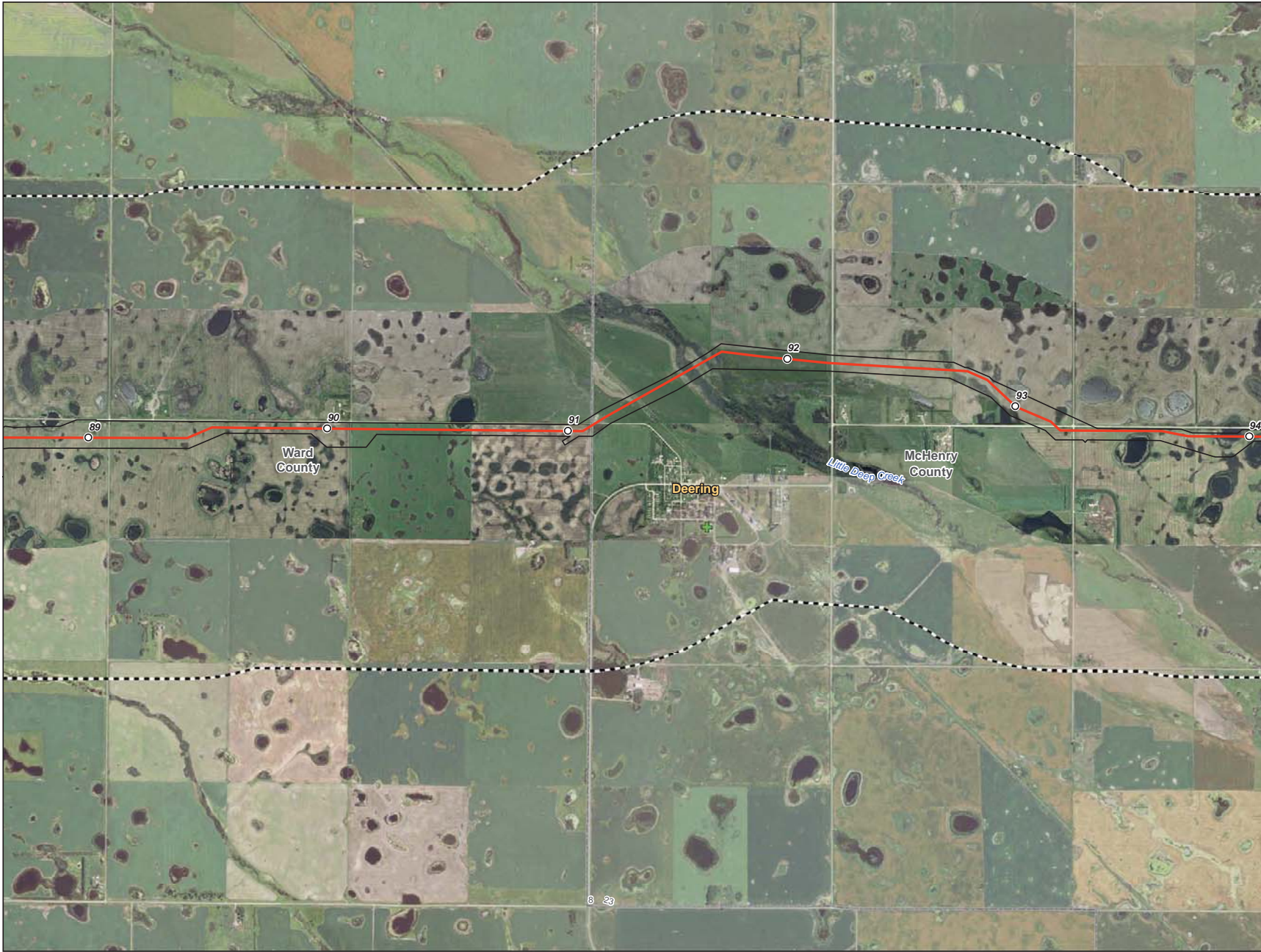
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ENBRIDGE

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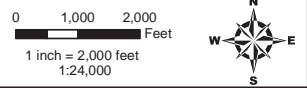
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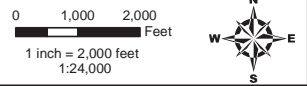
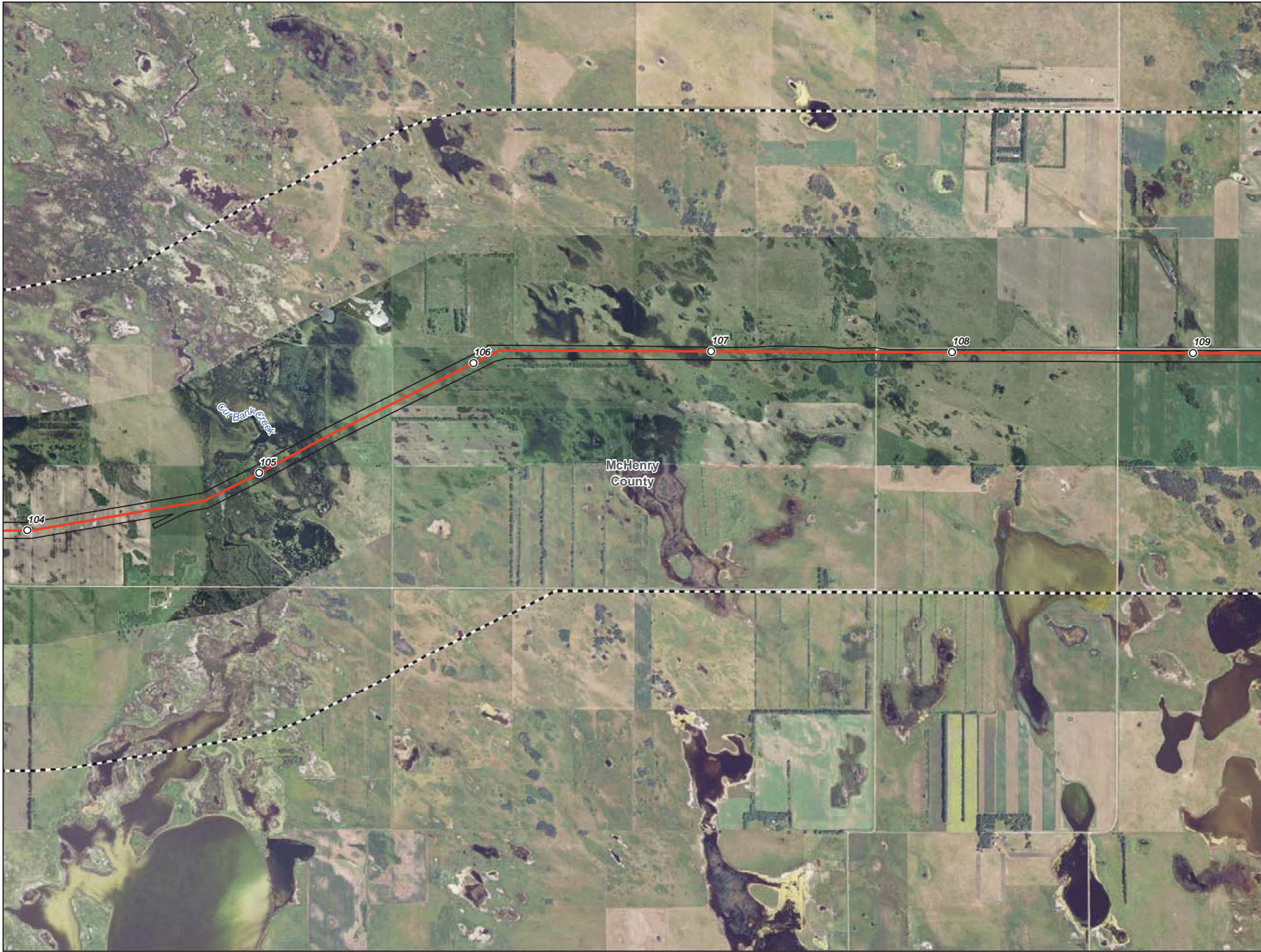
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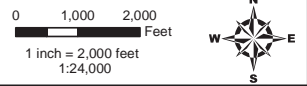
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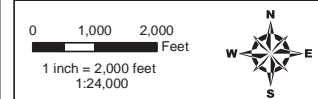
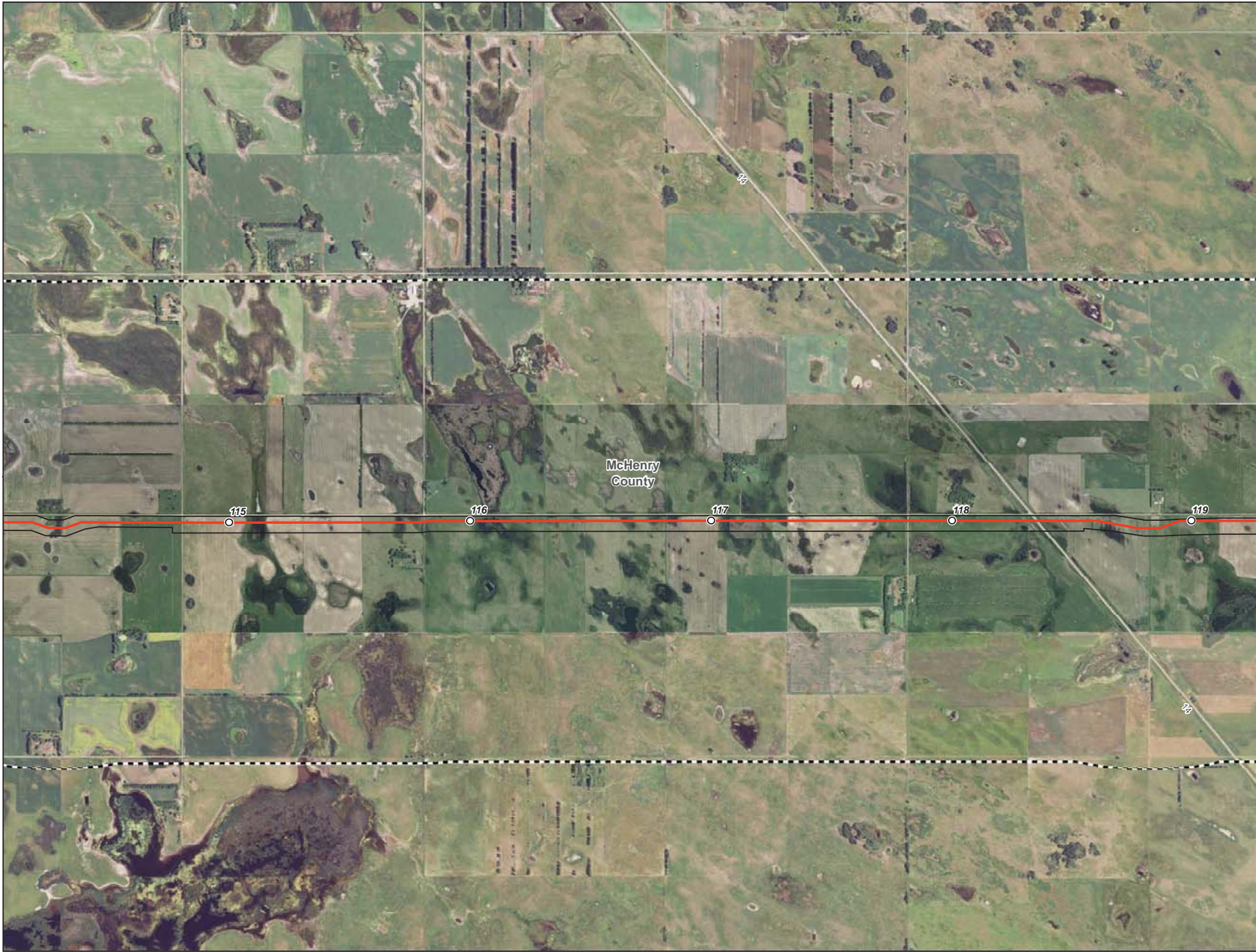
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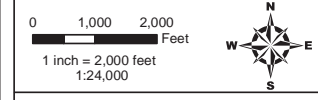
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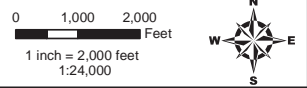
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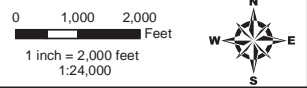
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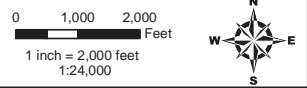
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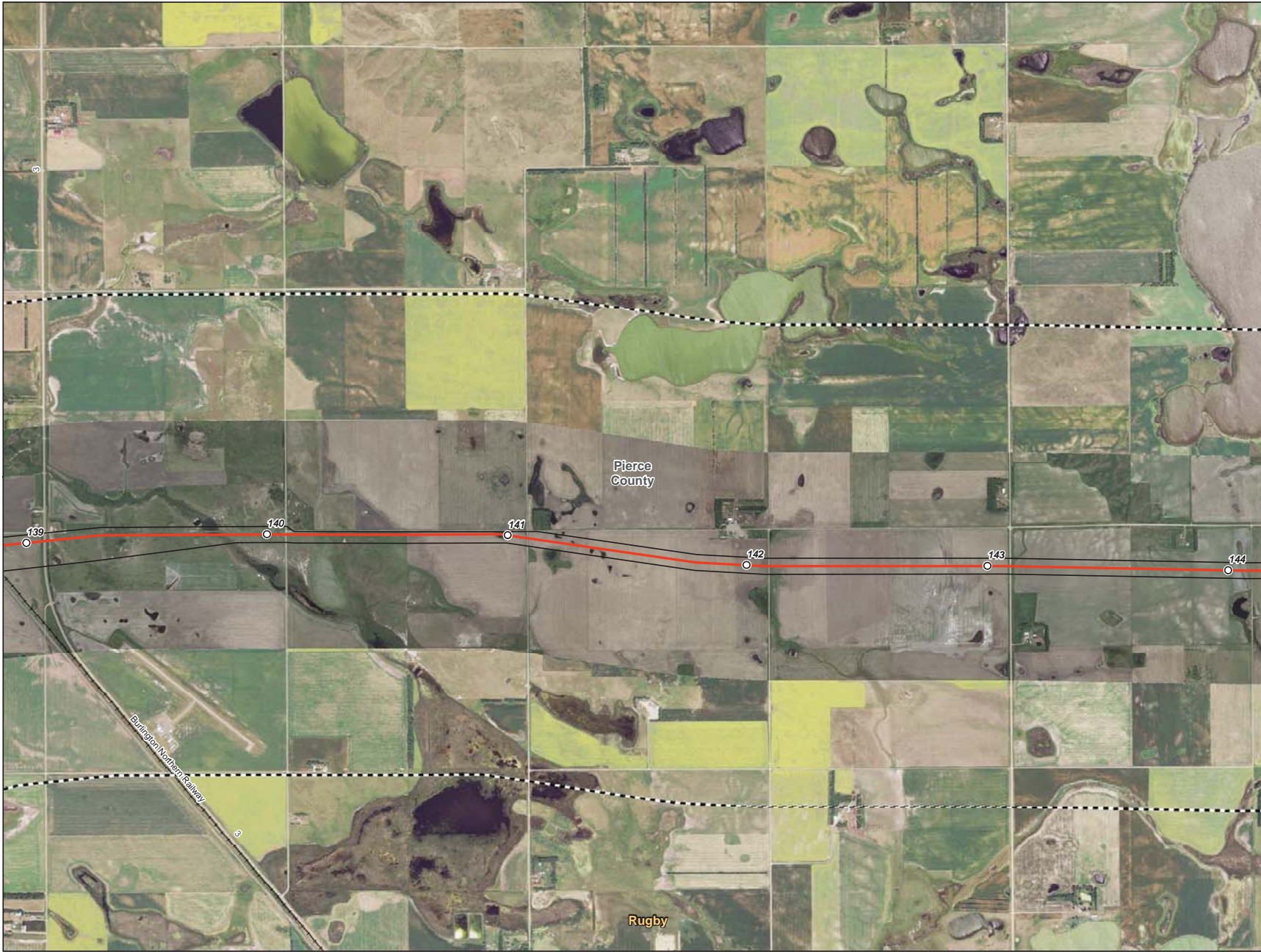
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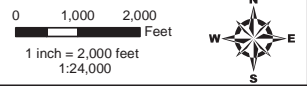
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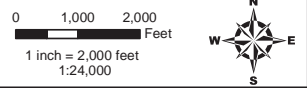
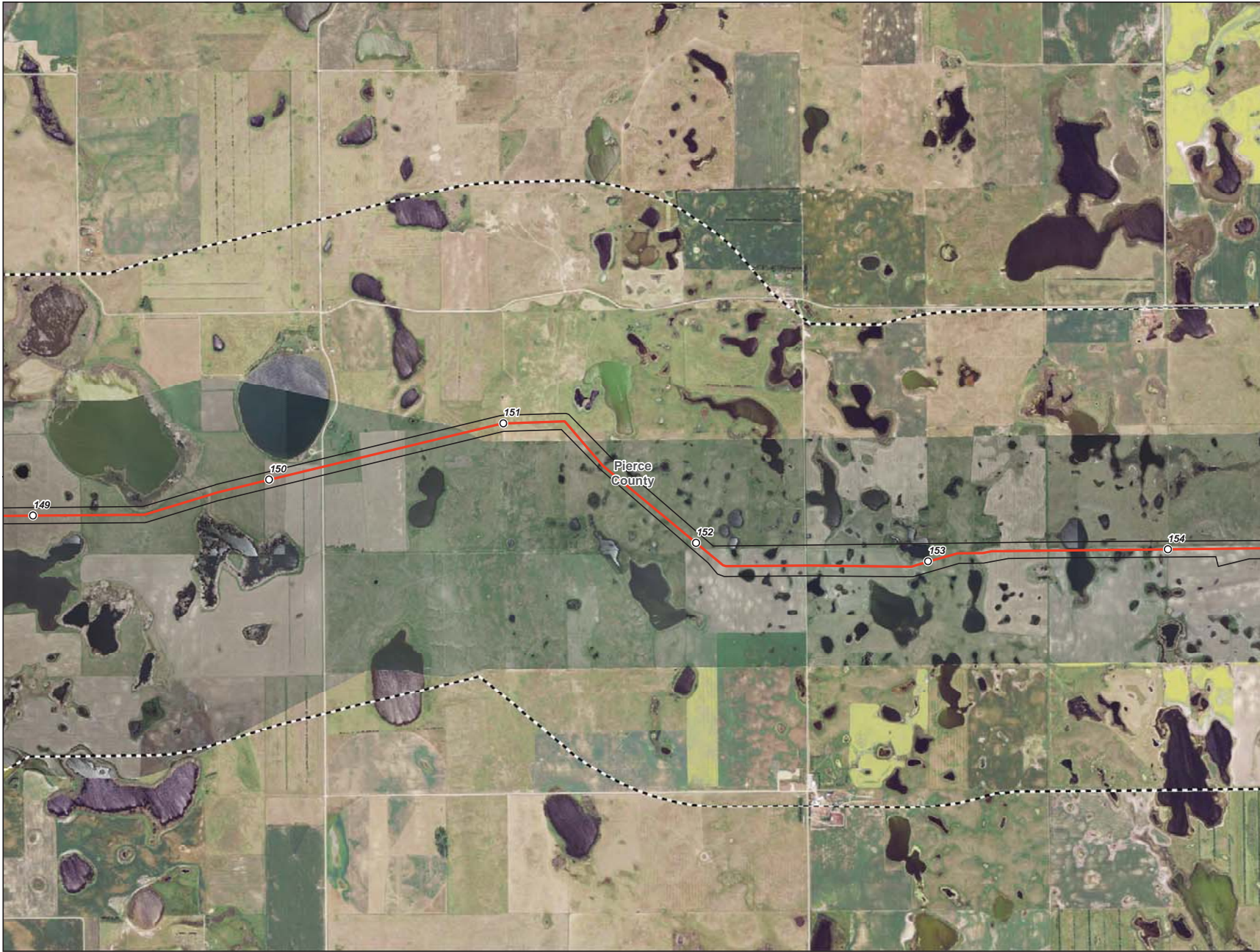
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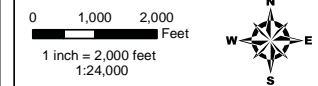
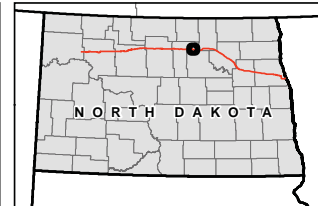
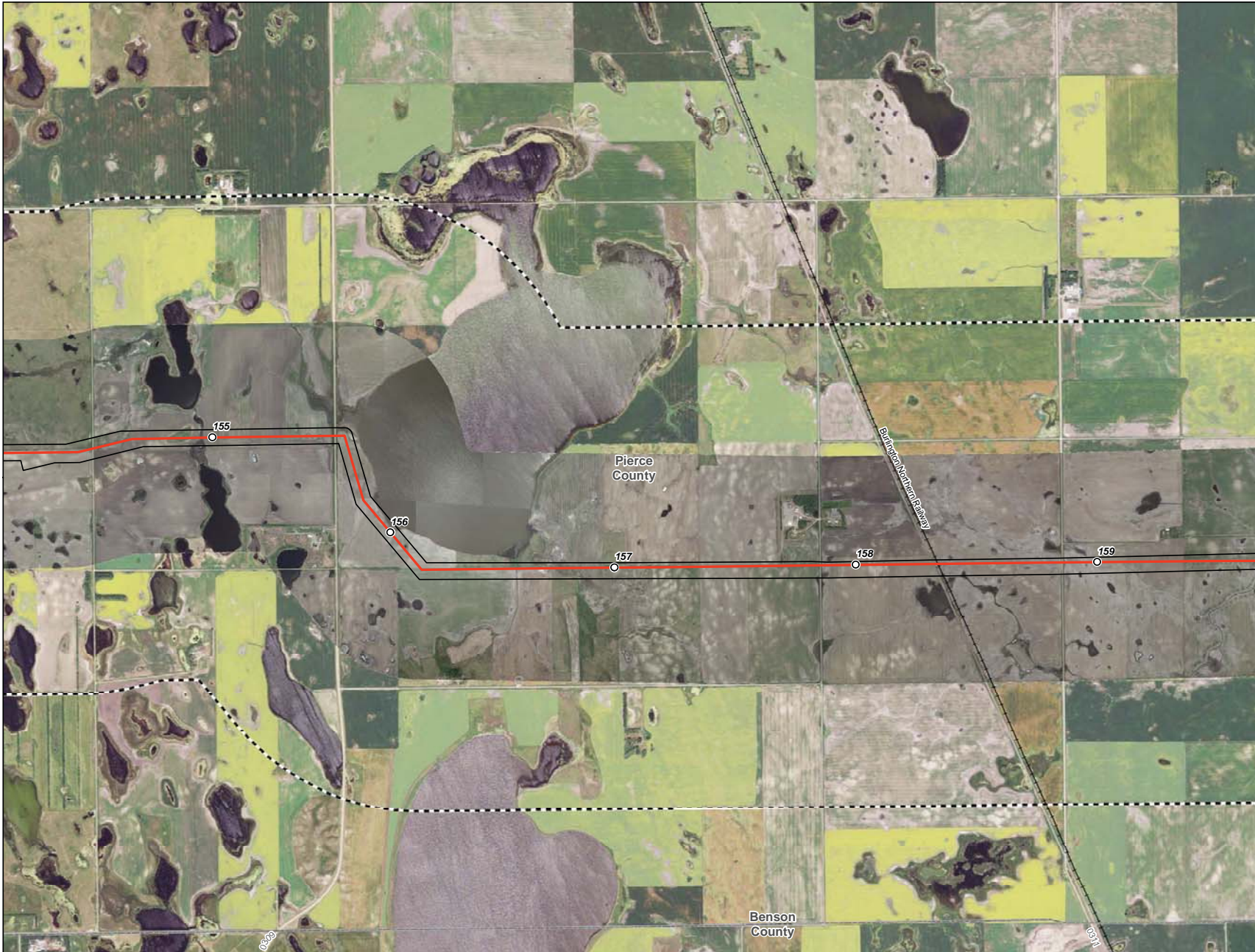
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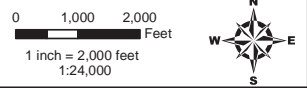
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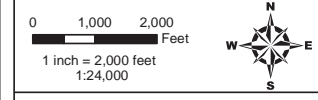
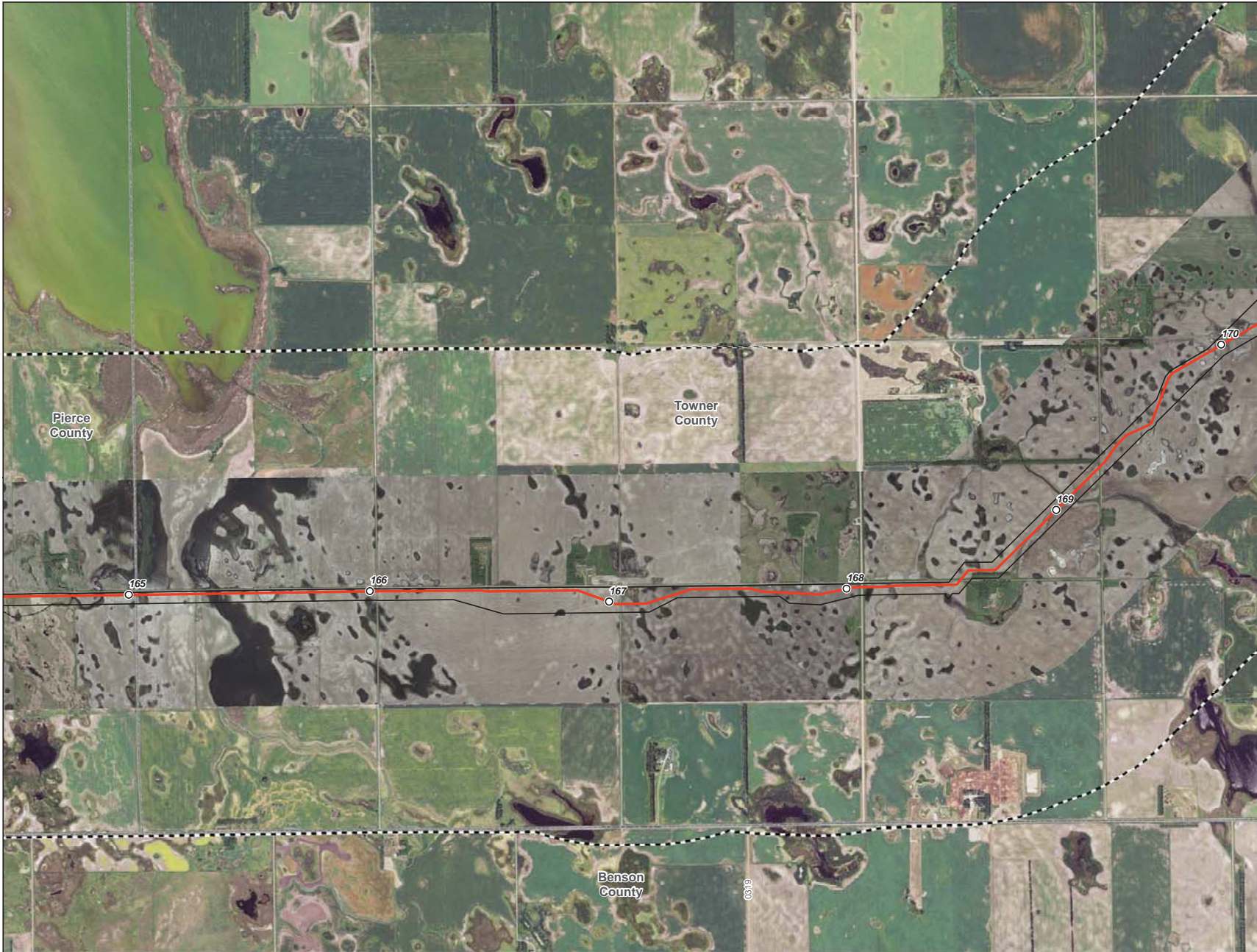
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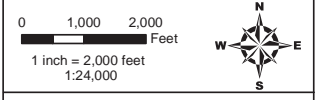
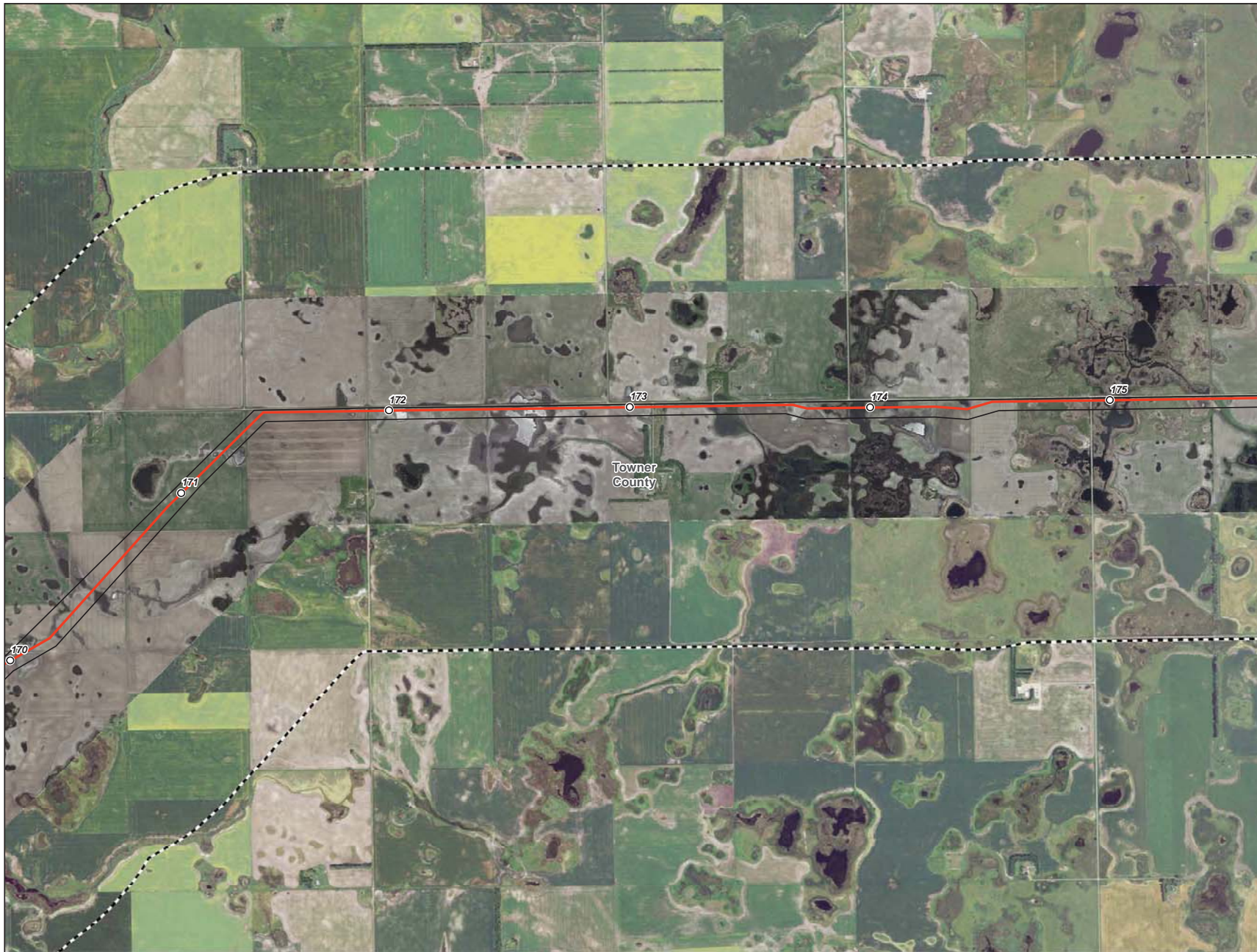
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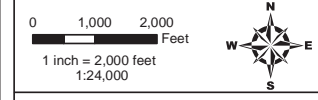
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- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

Page 34 of 61  
Towner County





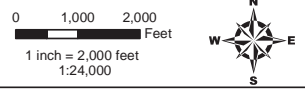
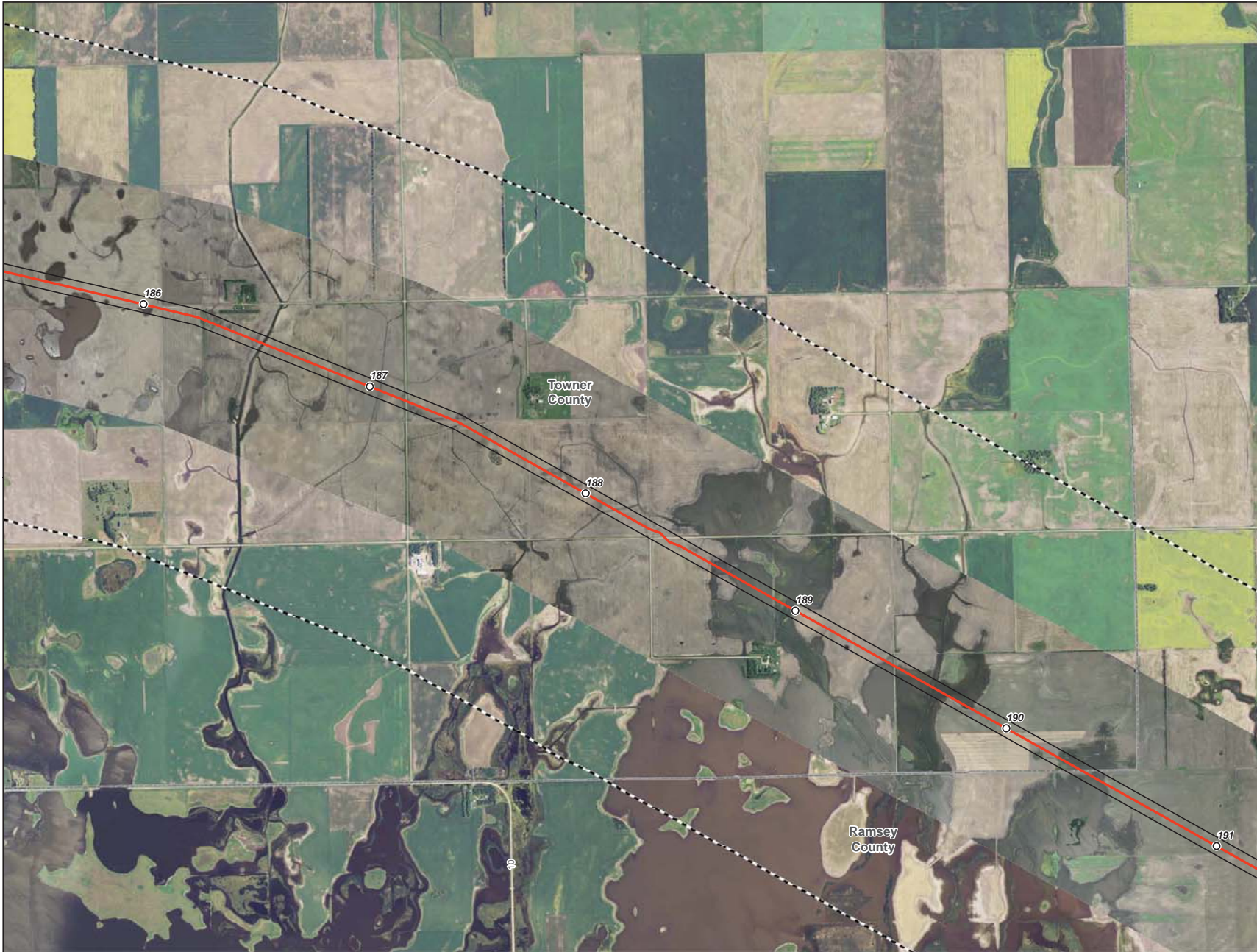
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- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Towner County





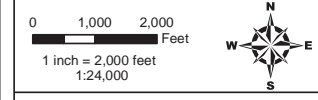
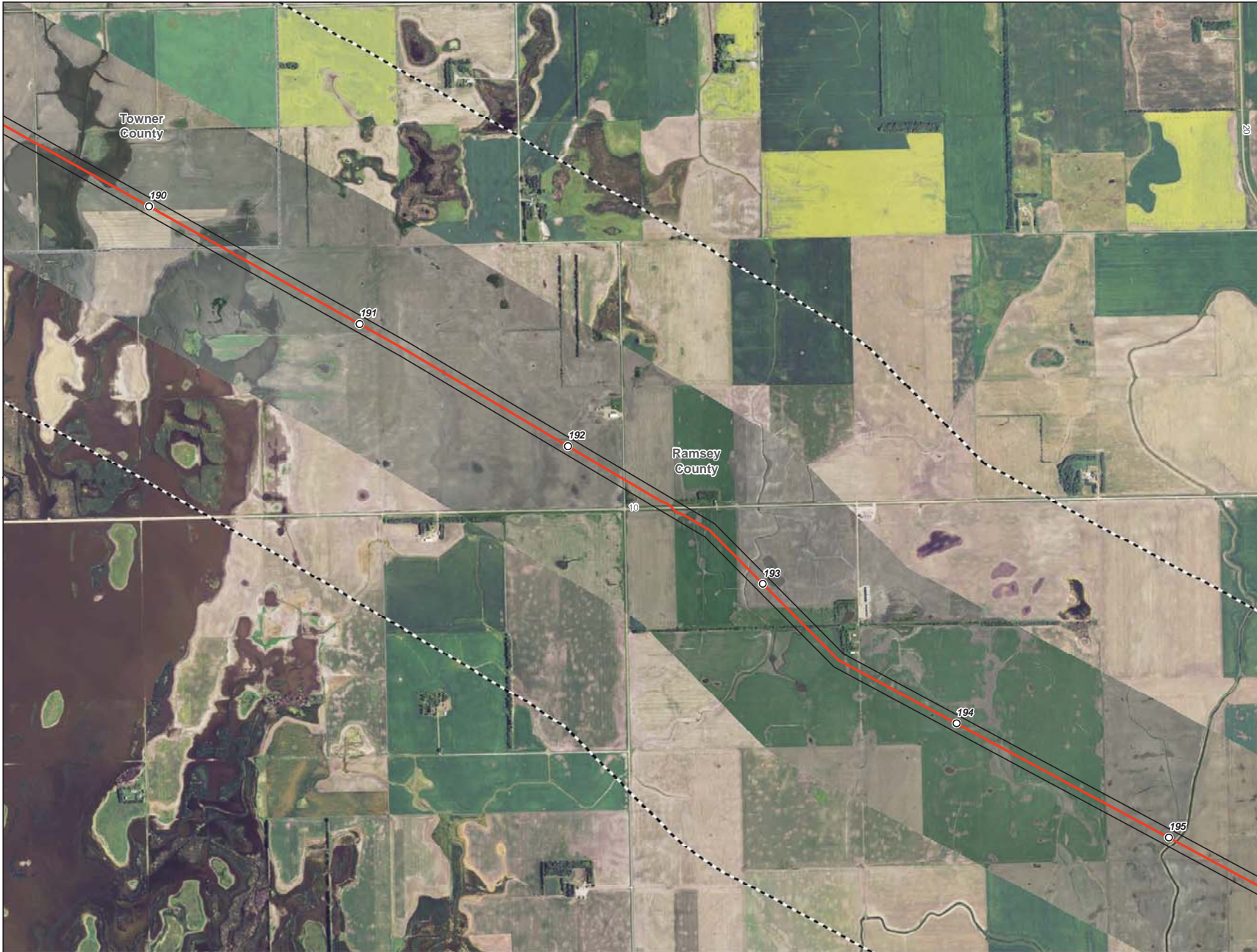
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- - - 2-mile Study Area
- ▭ Facility
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- + Land and Water Conservation Fund Lands
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- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Towner County





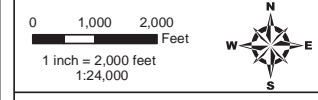
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- USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Ramsey County






- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
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- USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

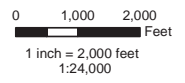
**Exclusion Areas**

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Ramsey County

 **ENBRIDGE**

Rev. D 12/16/2013





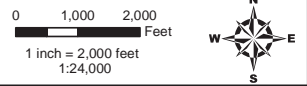
- Milepost
- Centerline
- Survey Corridor
- 2-mile Study Area
- Facility
- Previously Sited Facility
- County Boundary
- Land and Water Conservation Fund Lands
- NRHP Historic Place
- USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Ramsey County





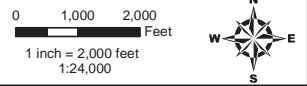
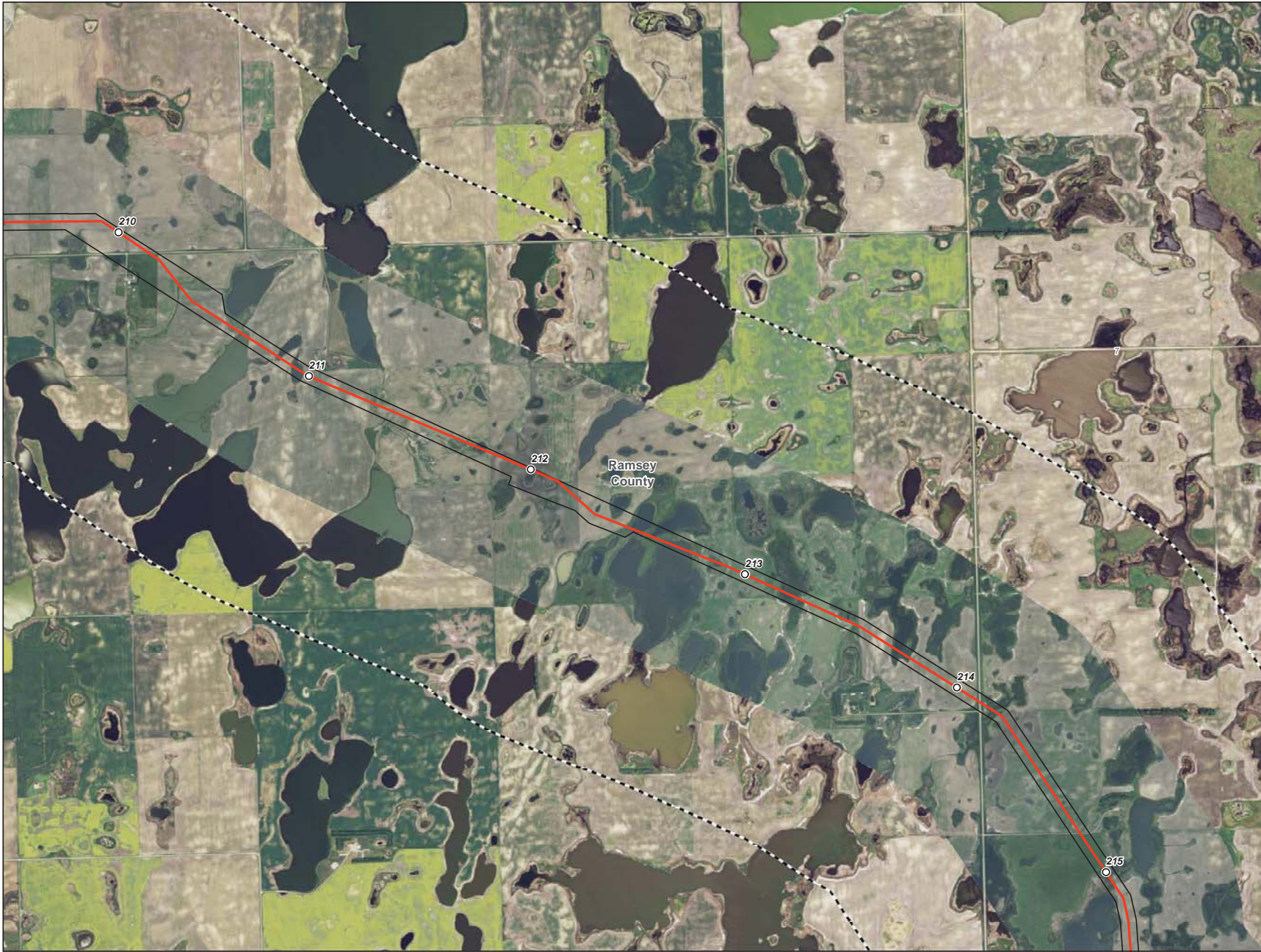
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- - - 2-mile Study Area
- ▭ Facility
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- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Ramsey County





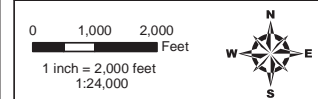
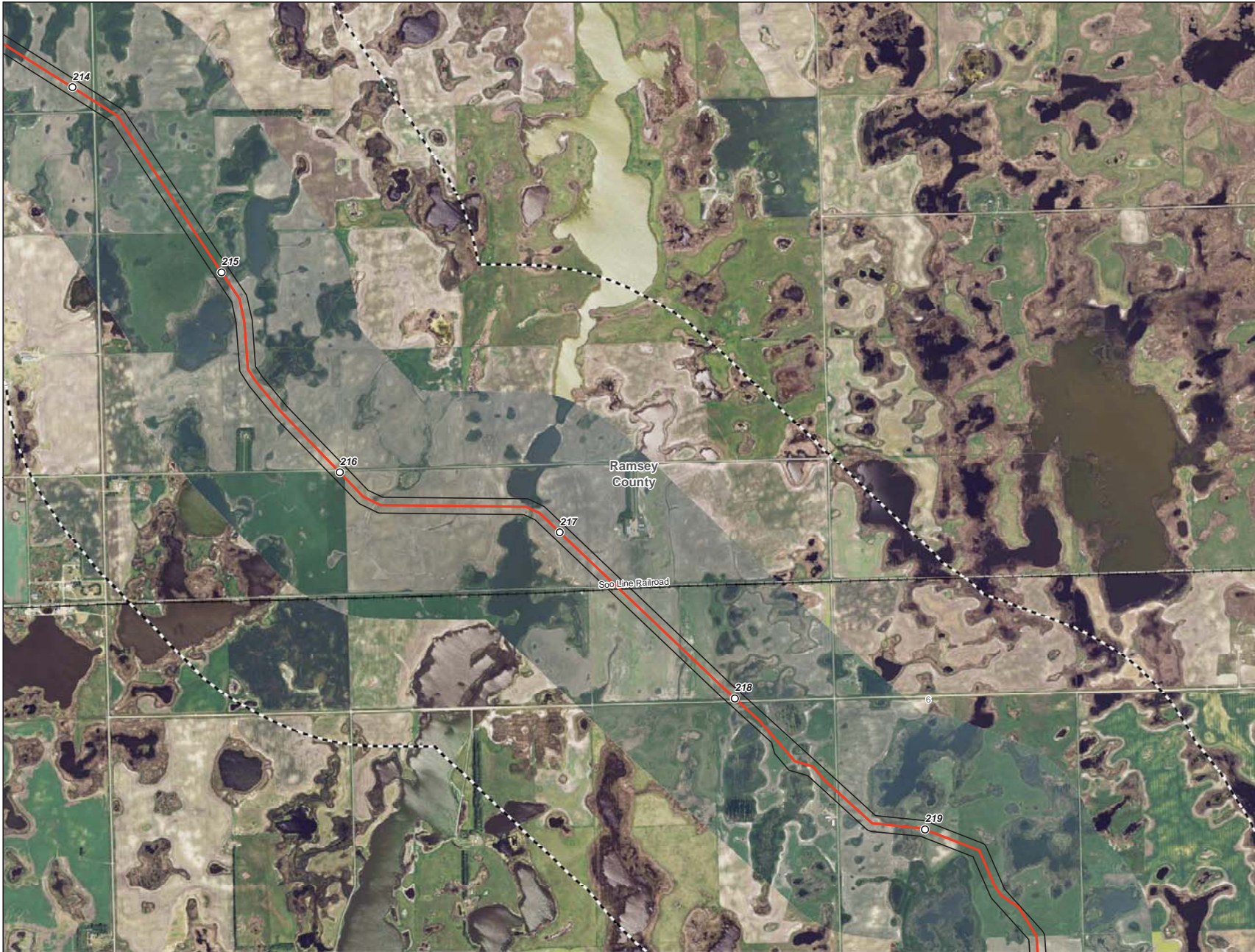
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- - - 2-mile Study Area
- ▭ Facility
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- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Ramsey County






- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

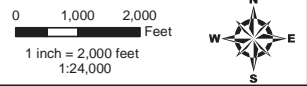
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Ramsey County

 **ENBRIDGE**

Rev. D 12/16/2013



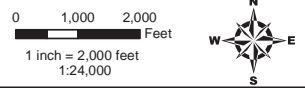
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- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- USFWS-critical habitat







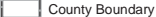


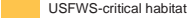
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

Page 45 of 61  
Ramsey County





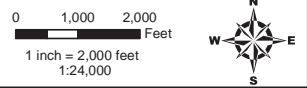
-  Milepost
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-  Survey Corridor
-  2-mile Study Area
-  Facility
-  Previously Sited Facility
-  County Boundary
-  Land and Water Conservation Fund Lands
-  NRHP Historic Place
-  USFS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Ramsey County





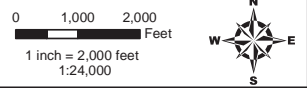
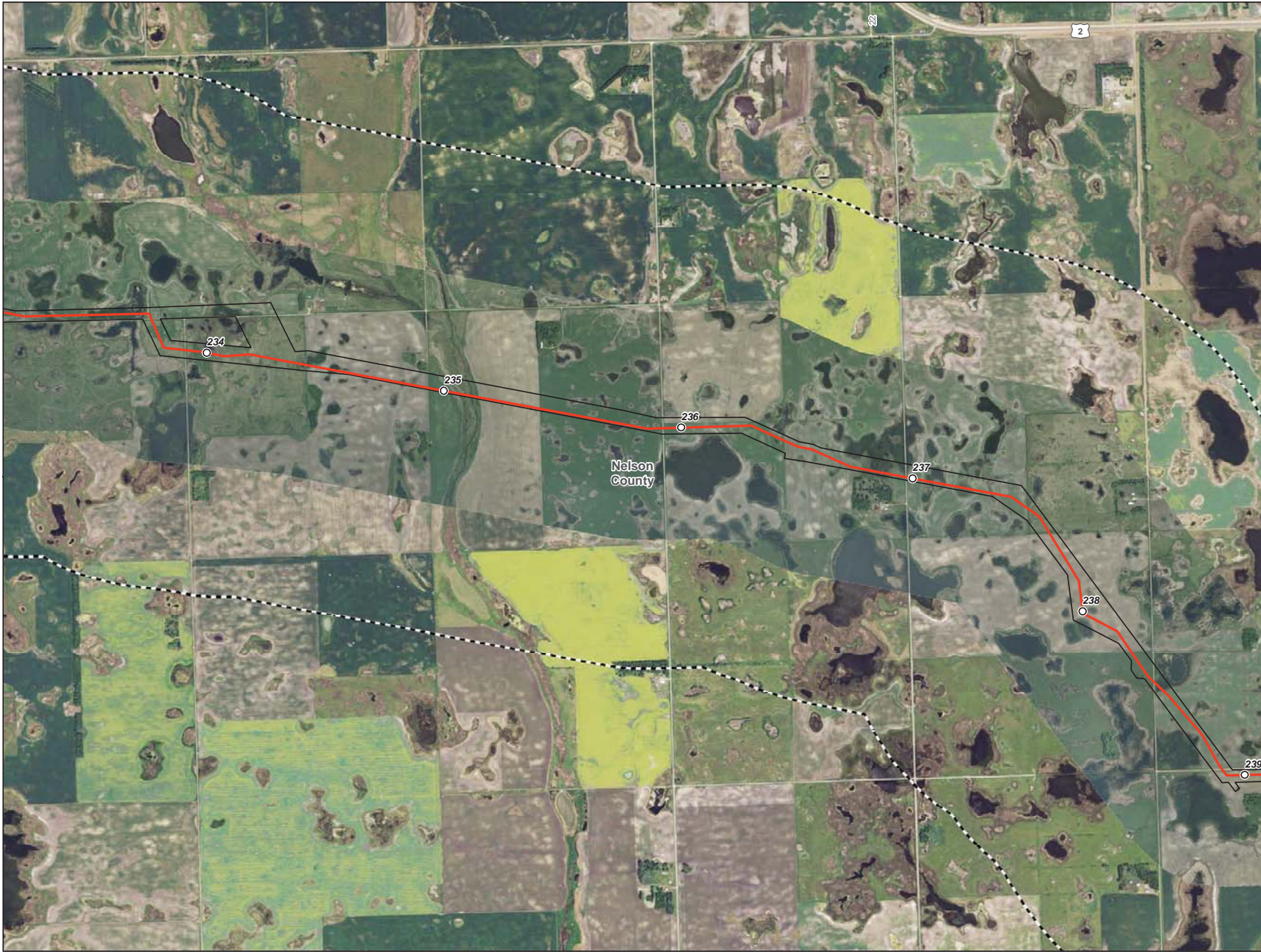
- Milepost
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- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Nelson County





- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- ✚ Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

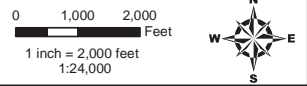
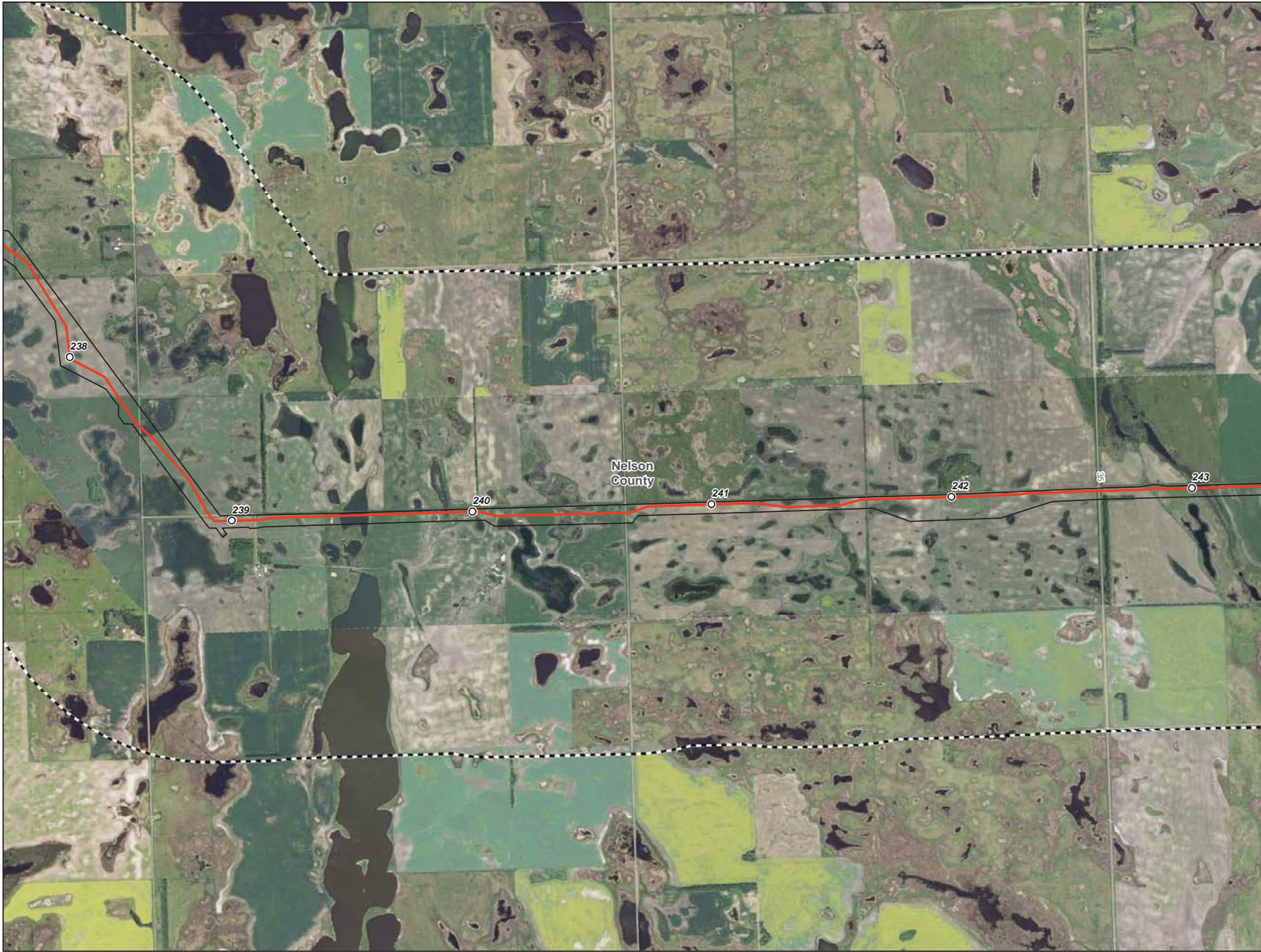
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

Page 48 of 61  
Nelson County



Source: USGS, ESRI, and other sources. All rights reserved. © 2013 Enbridge Pipelines (North Dakota) LLC. All other marks are the property of their respective owners.



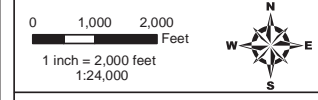
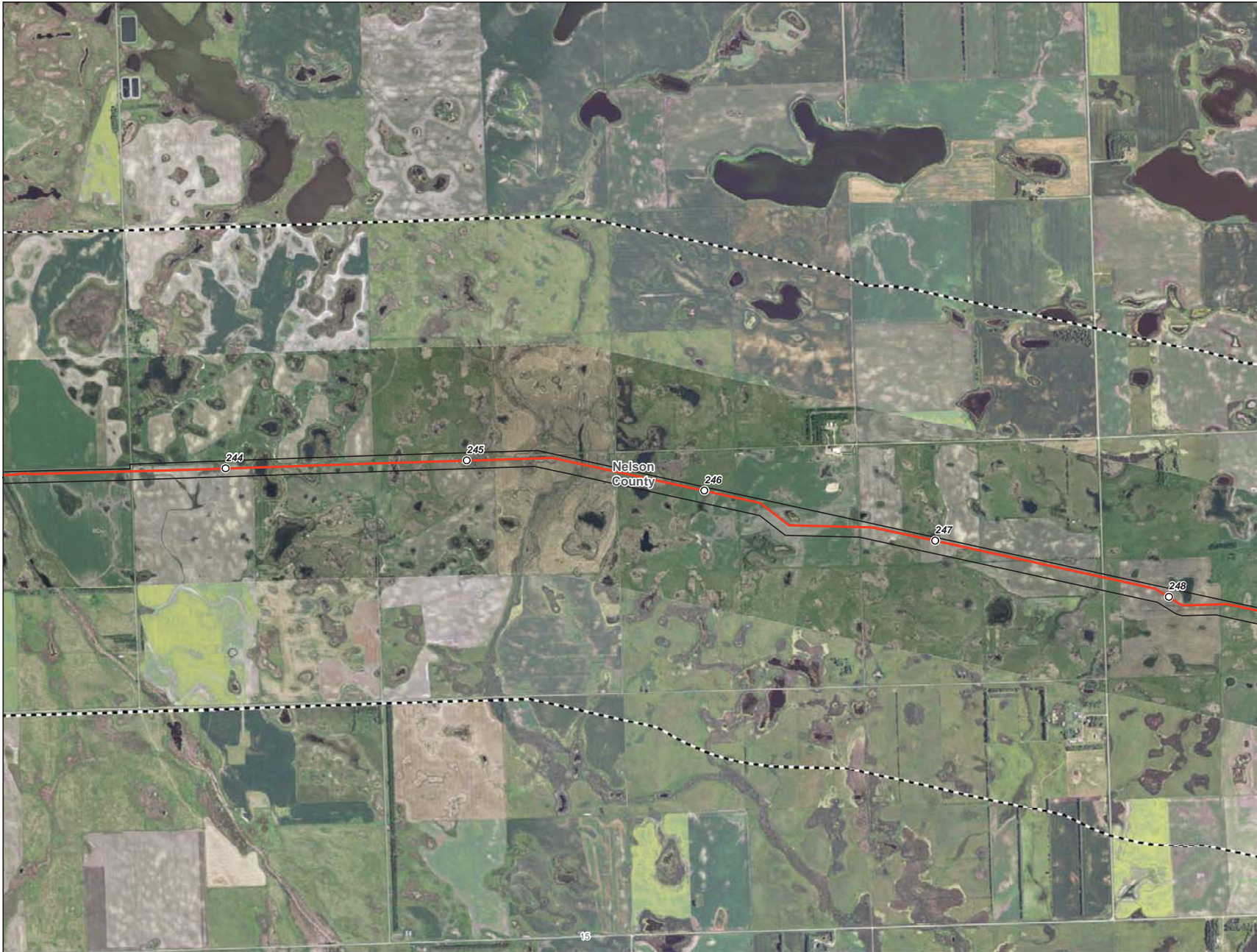
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- - - 2-mile Study Area
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- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Nelson County





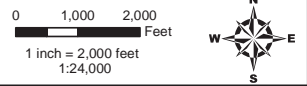
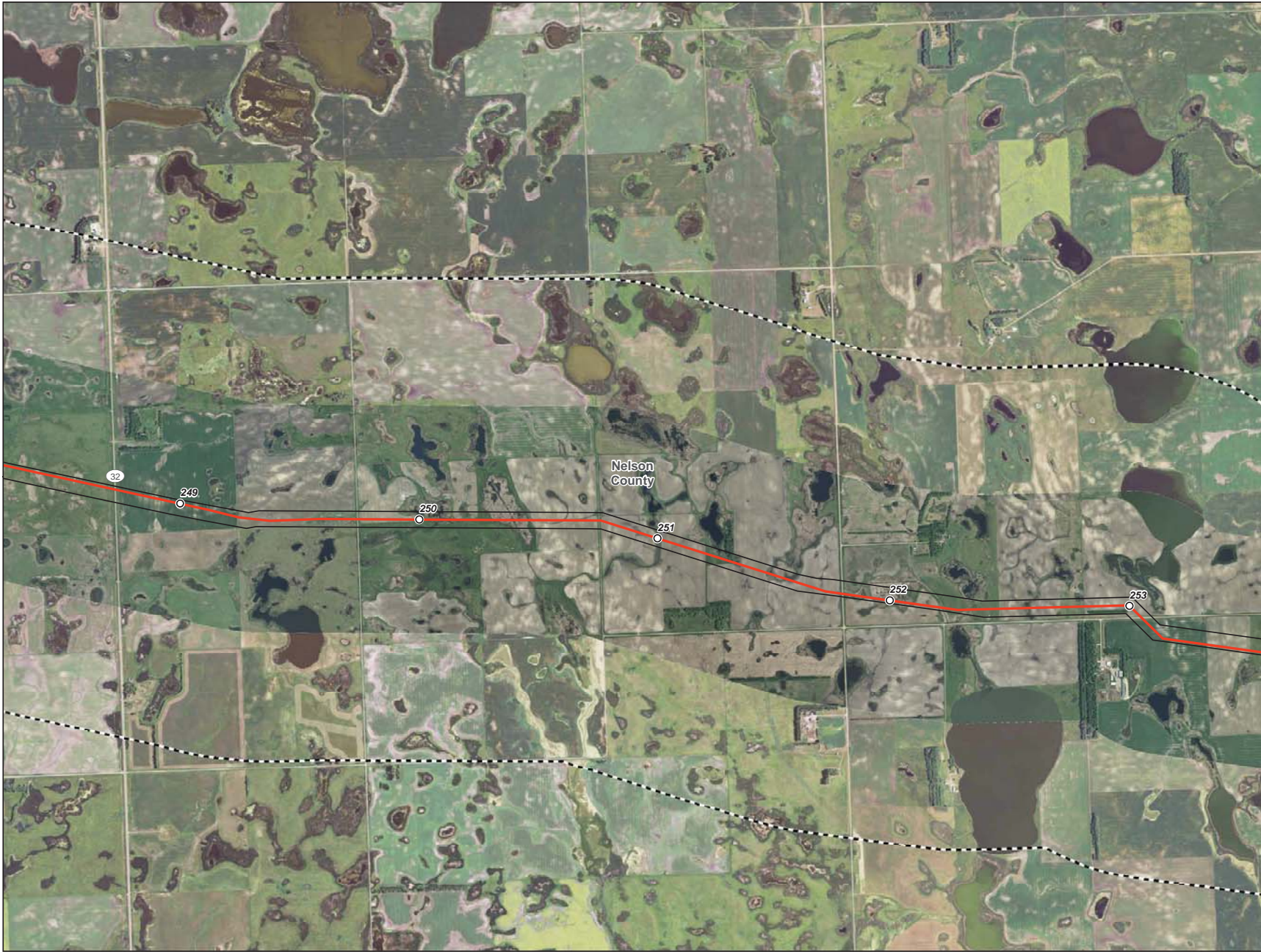
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Nelson County





- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- ✚ Land and Water Conservation Fund Lands
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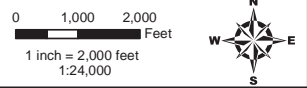
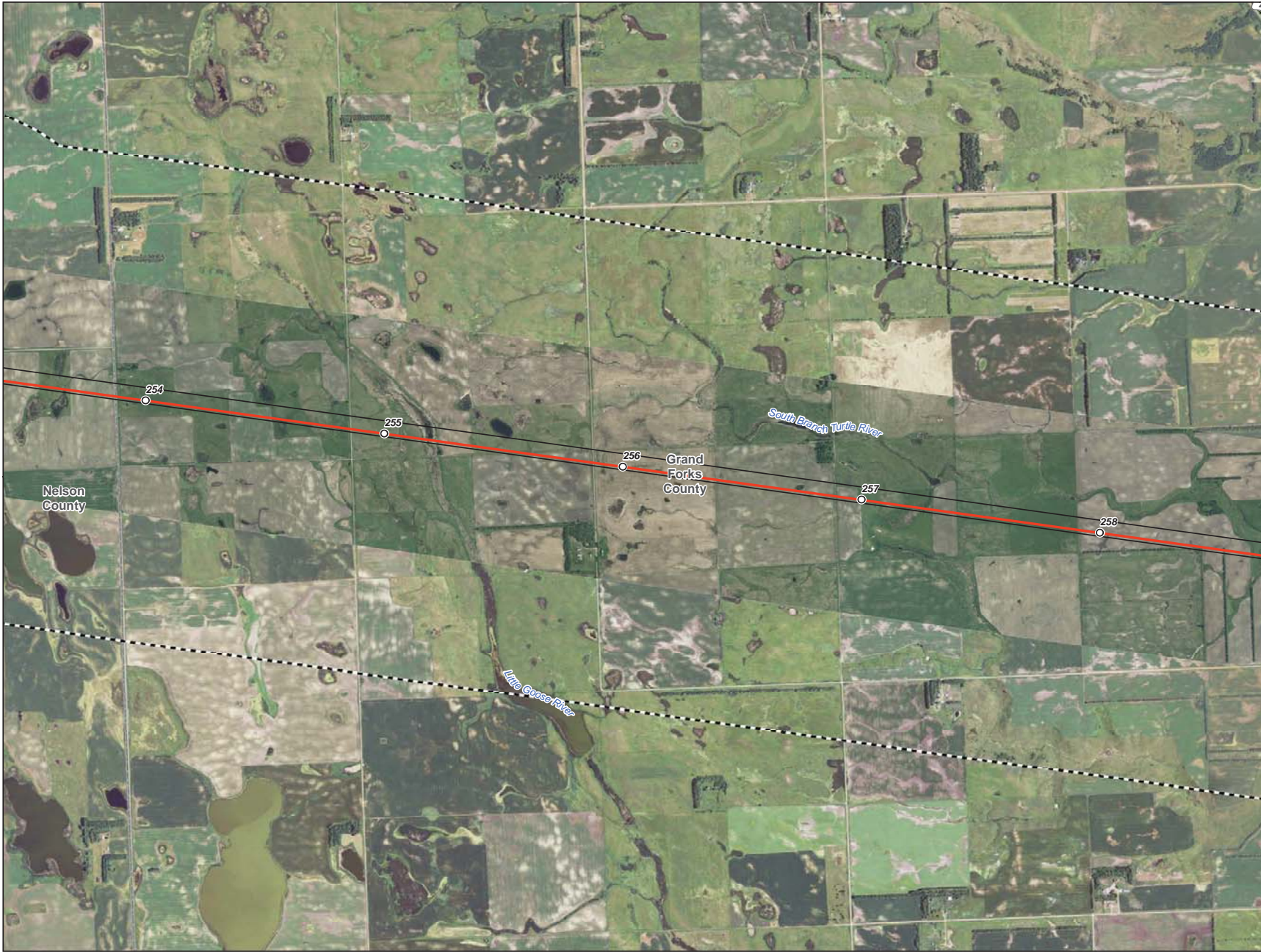
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Nelson County



SOURCE: USGS/TOPOVISION



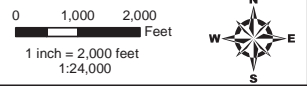
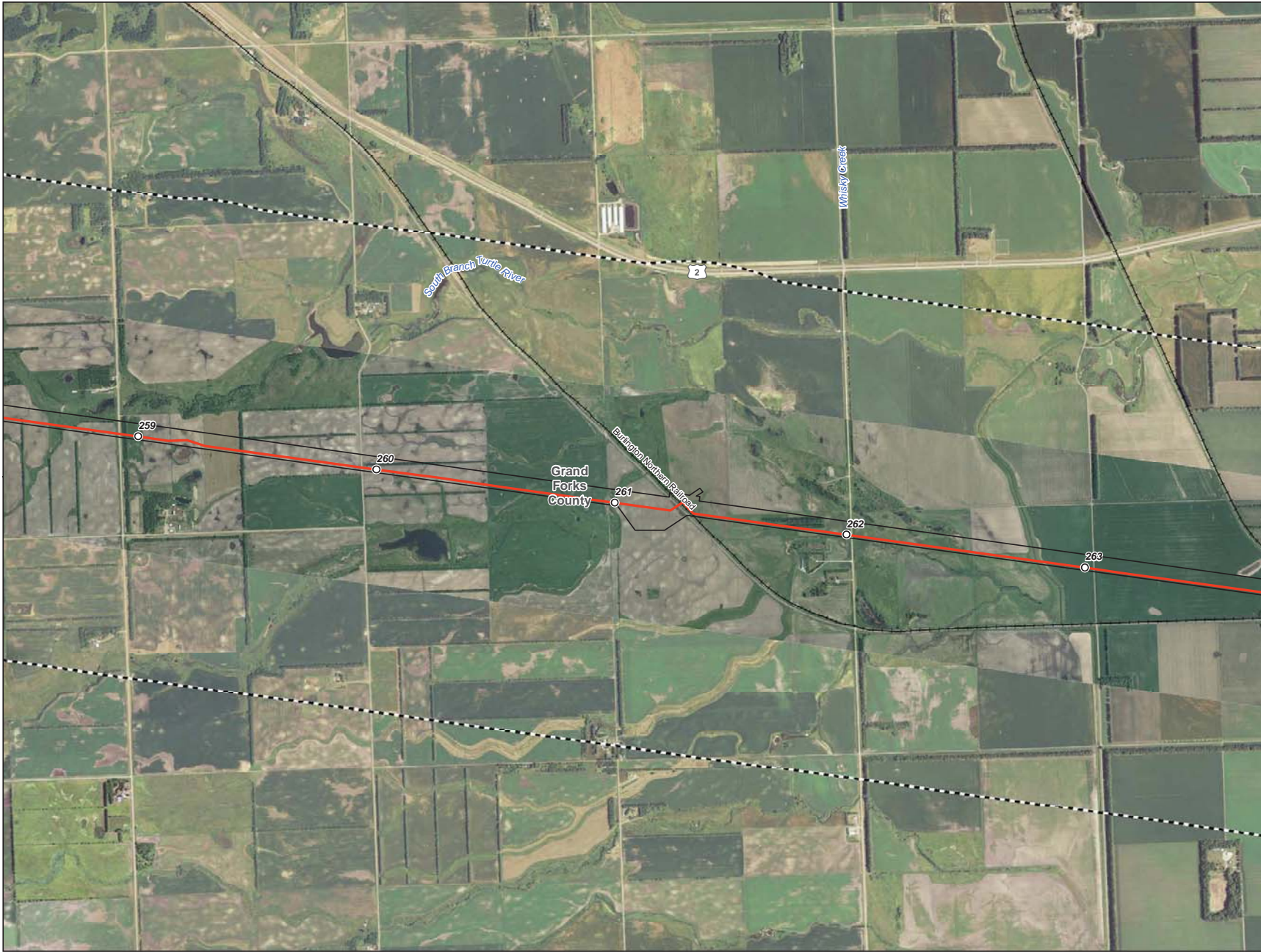
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- - - 2-mile Study Area
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- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County





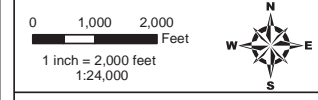
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- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

Page 53 of 61  
Grand Forks County





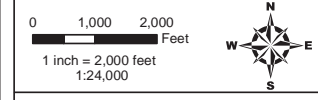
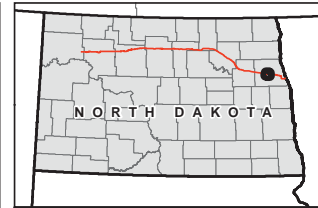
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- ▭ Survey Corridor
- - - 2-mile Study Area
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- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat











**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County





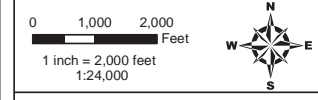
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-  Survey Corridor
-  2-mile Study Area
-  Facility
-  Previously Sited Facility
-  County Boundary
-  Land and Water Conservation Fund Lands
-  NRHP Historic Place
-  USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County





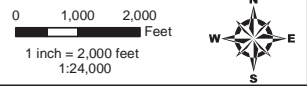
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- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County





- Milepost
- Centerline
- ▭ Survey Corridor
- ▭ 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- ⊕ Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- ▭ USFWS-critical habitat

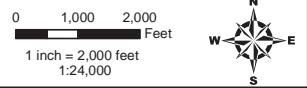
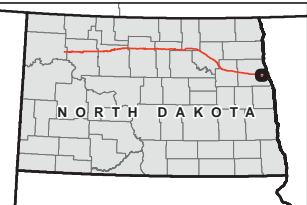
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County



Source: USGS, Esri, DigitalGlobe, GeoEye, Earthstar (United States), CNES-Airbus DS, USDA, AeroGRID, IGN, Esri, Swire



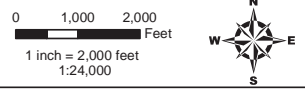
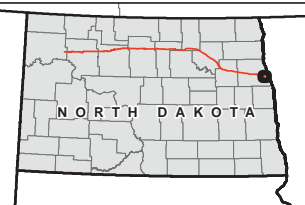
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- - - 2-mile Study Area
- ▭ Facility
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- + Land and Water Conservation Fund Lands
- ▲ NRHP Historic Place
- USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County





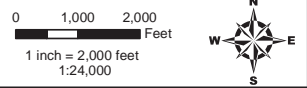
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- ▲ NRHP Historic Place
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County





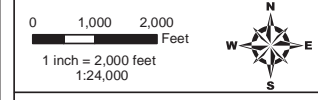
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-  Survey Corridor
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-  Facility
-  Previously Sited Facility
-  County Boundary
-  Land and Water Conservation Fund Lands
-  NRHP Historic Place
-  USFWS-critical habitat

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County





- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- + Land and Water Conservation Fund Lands
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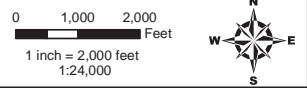
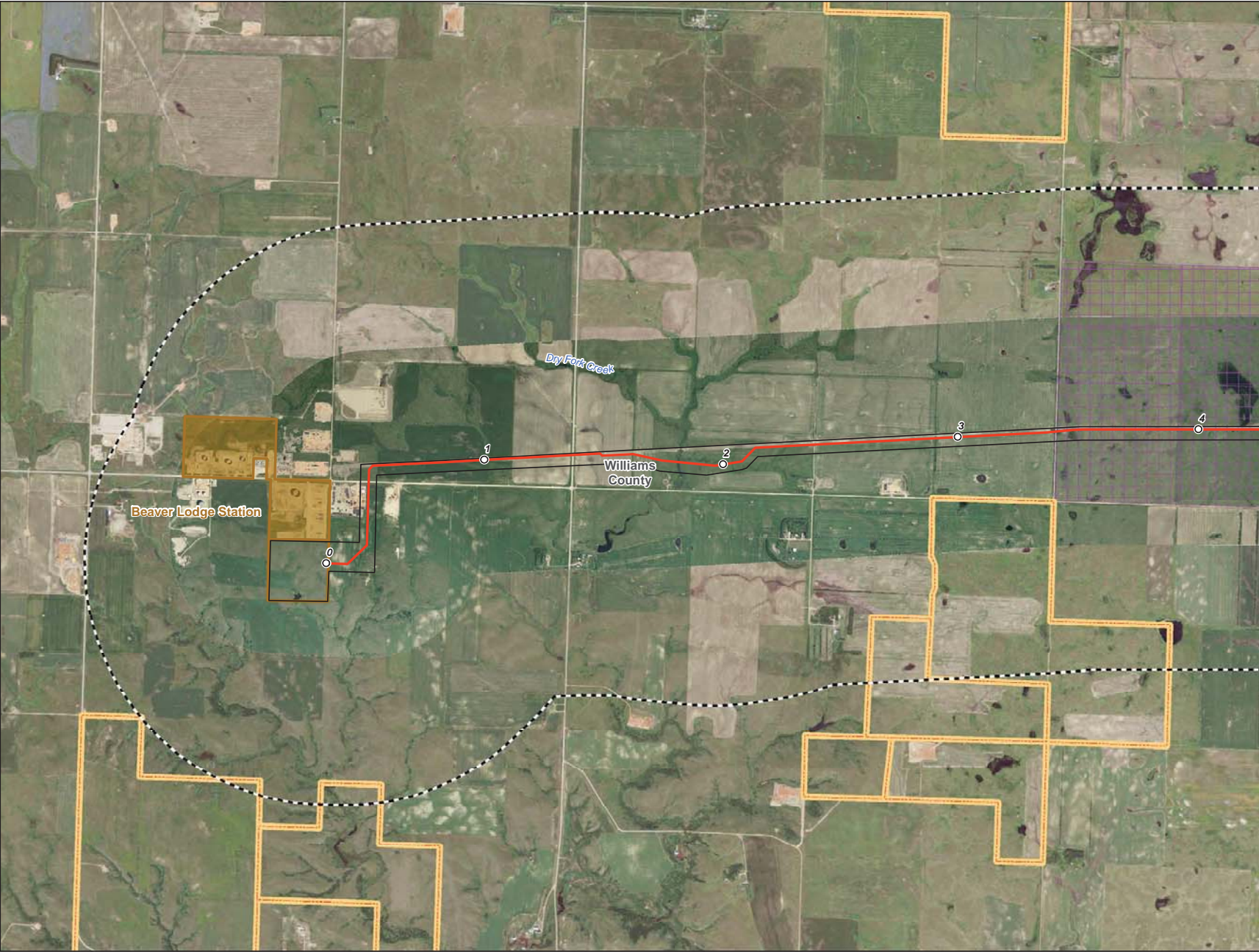
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Exclusion Areas**

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Grand Forks County



**Exhibit I.2**



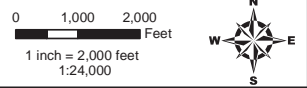
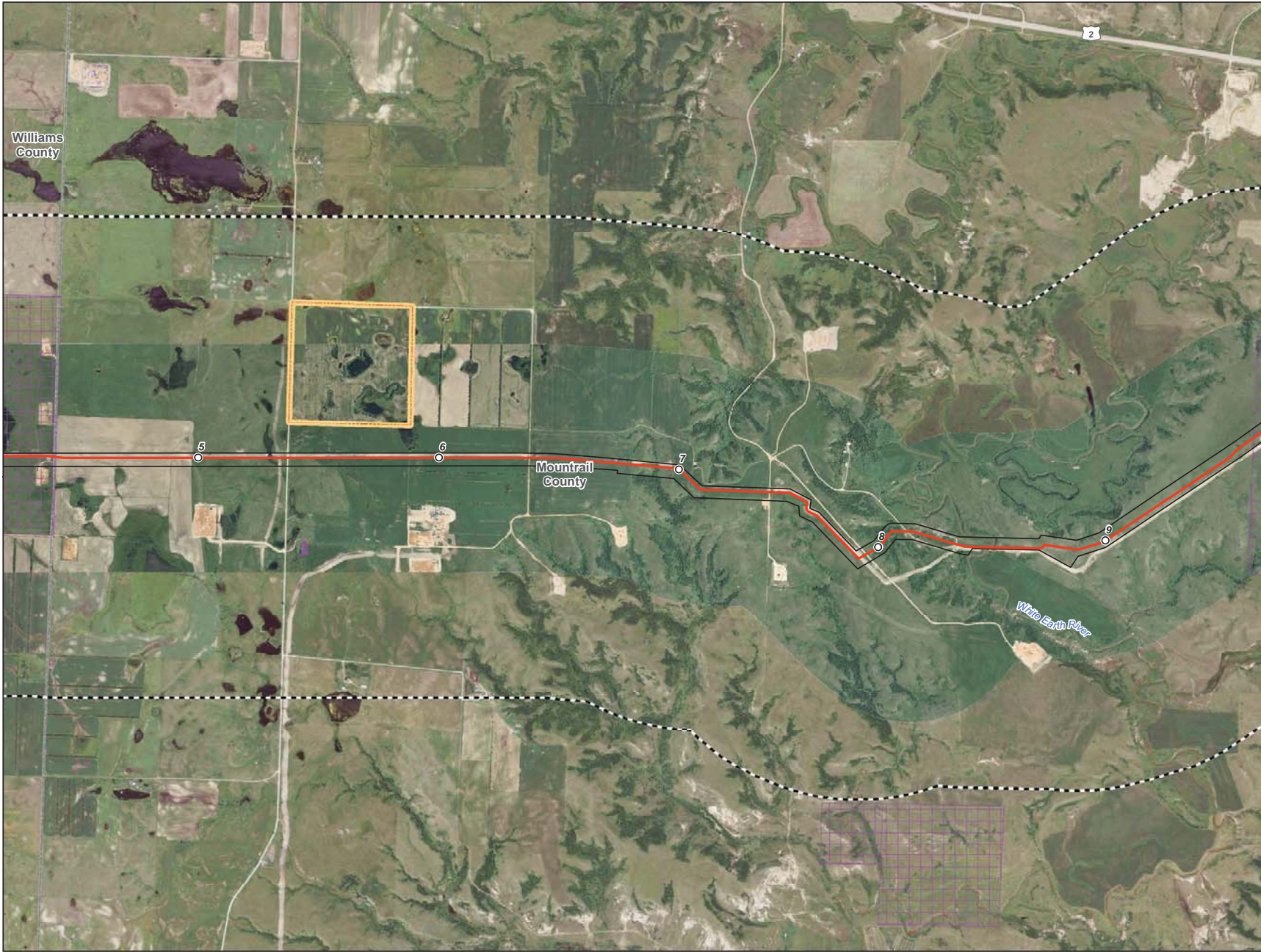
- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- 🏫 School
- 🌊 Reservoir
- 🌐 Municipal Water Supply
- ⚰ Cemetery
- ▭ NDGF - Wildlife Management Area
- ▭ USFWS - National Wildlife Refuge
- ▭ USFWS - Waterfowl Production Area
- ▭ NDGF - PLOTS Land
- ▭ NDDTL - School Trust Land
- ▭ Wellhead Community Protection Area
- ▭ Wellhead Non-Community Protection Area

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Williams County





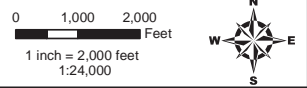
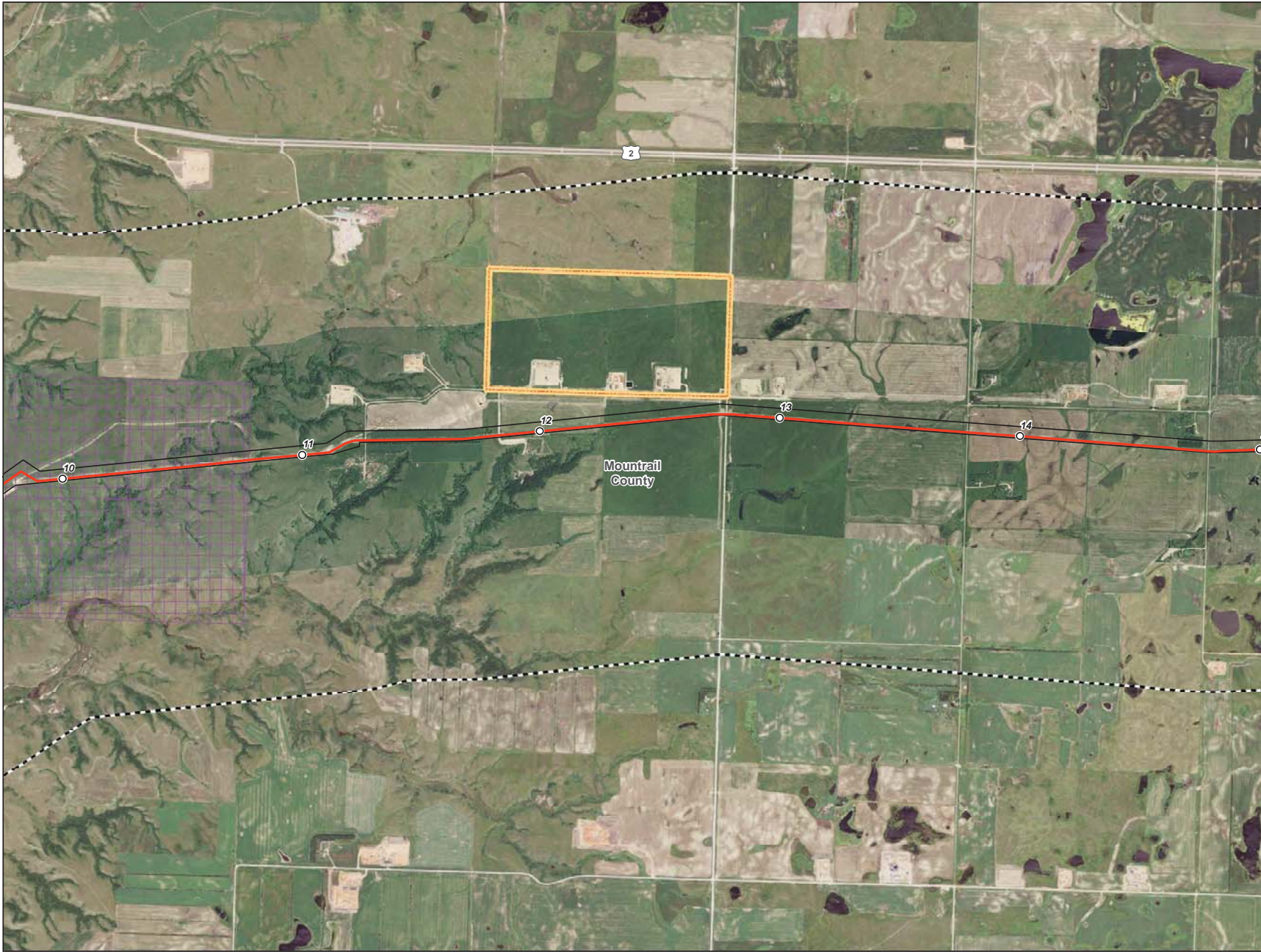
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- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- 🏫 School
- 🟦 Reservoir
- 🟡 Municipal Water Supply
- ⚰ Cemetery
- 🟡 NDGF - Wildlife Management Area
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Mountrail County





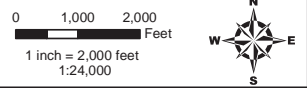
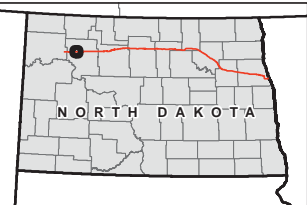
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Mountrail County





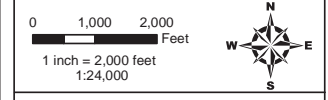
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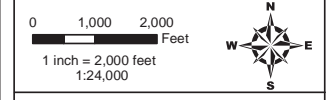
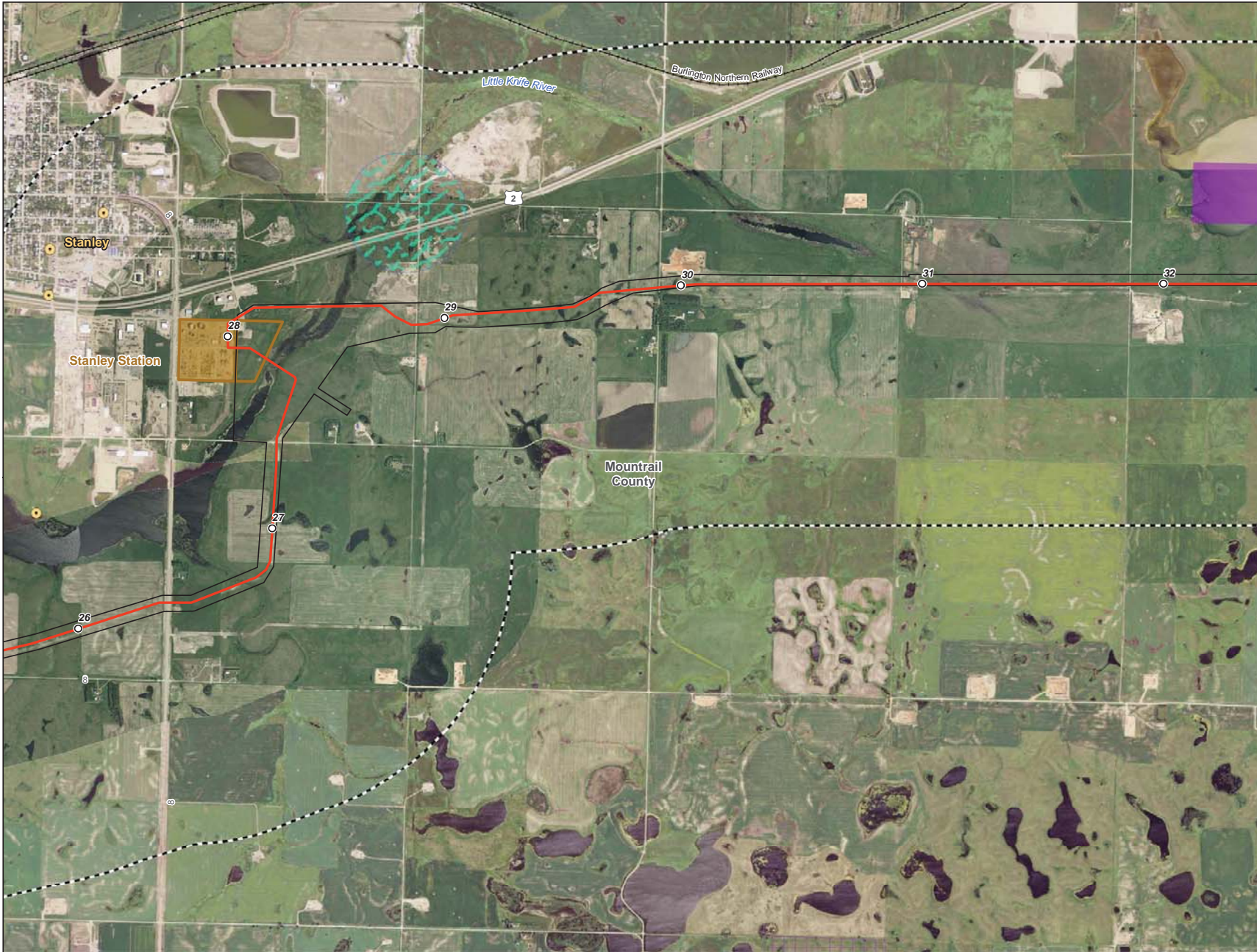
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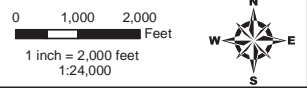
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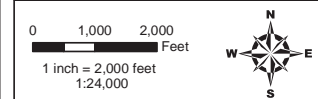
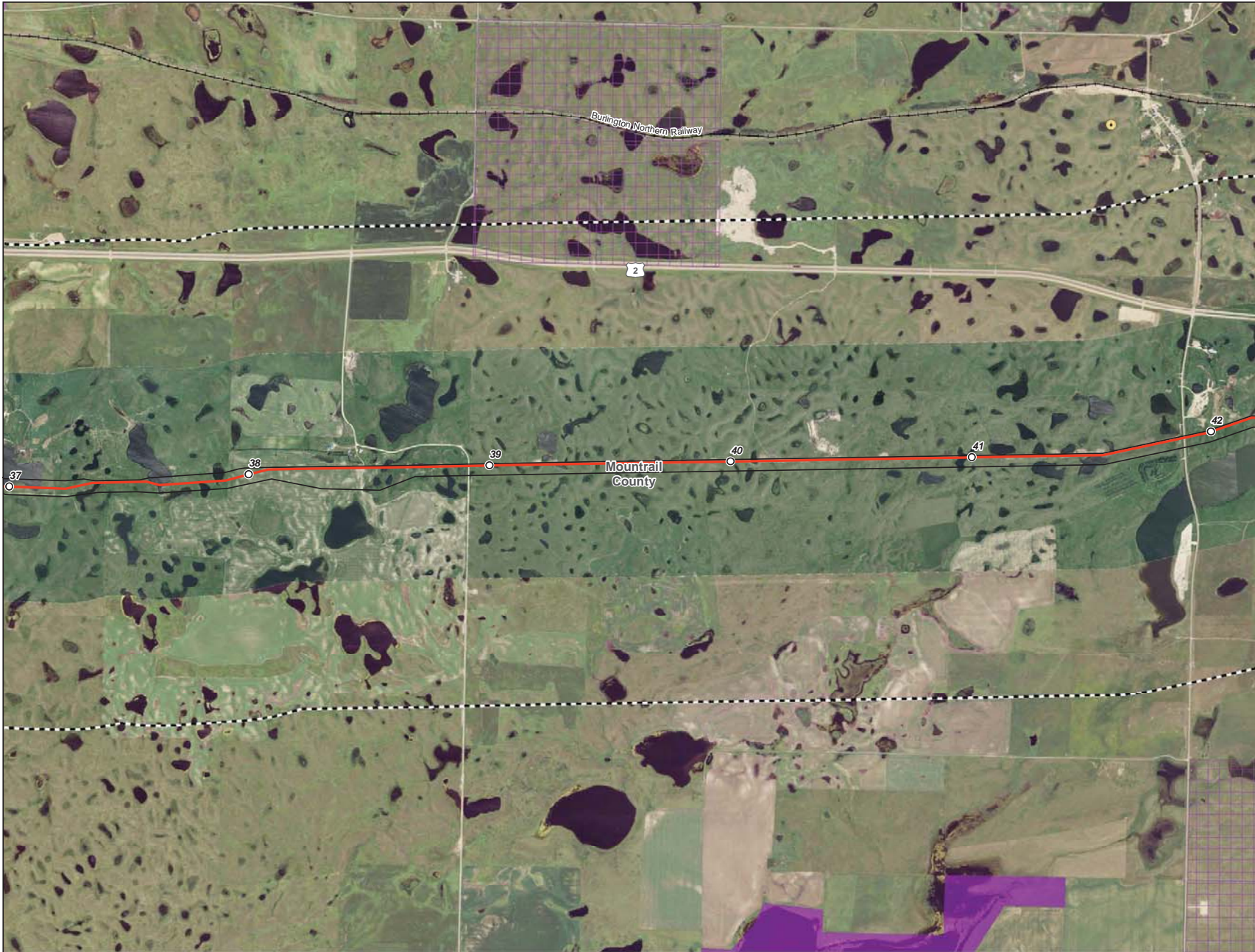
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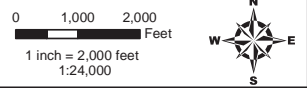
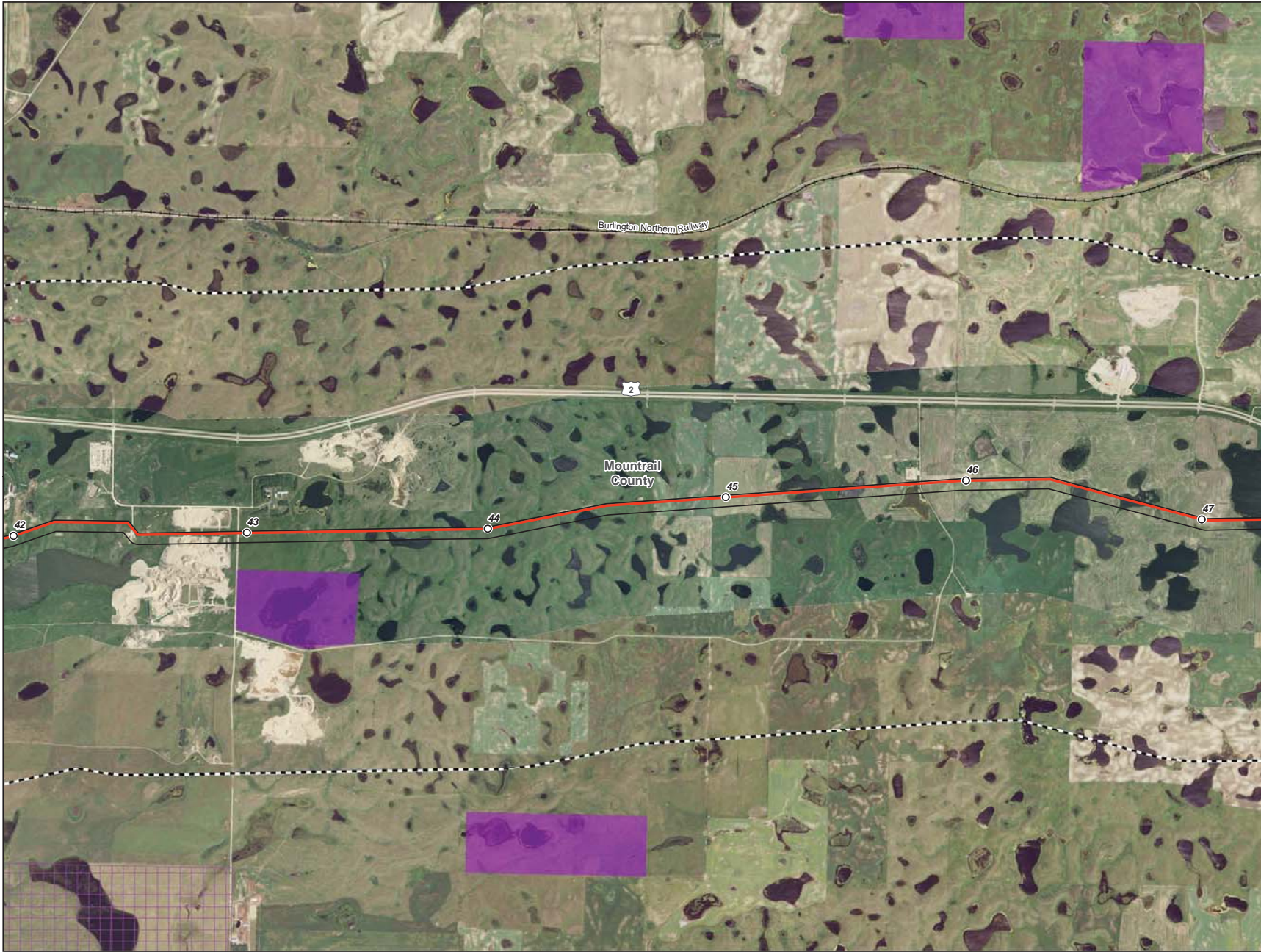
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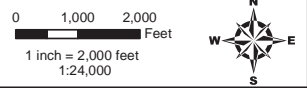
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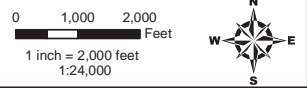
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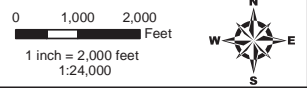
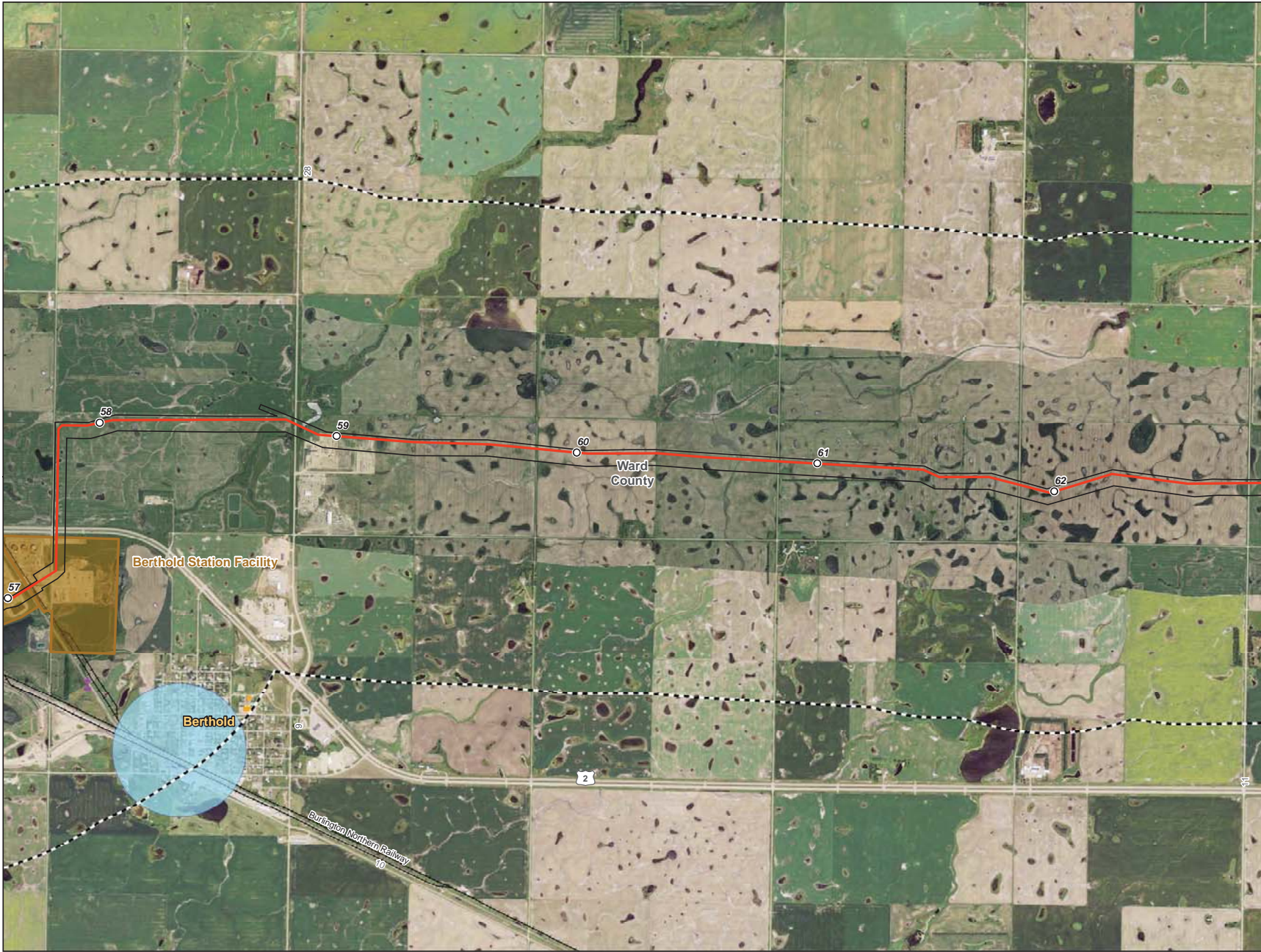
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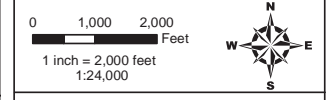
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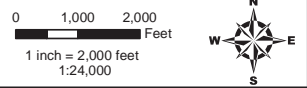
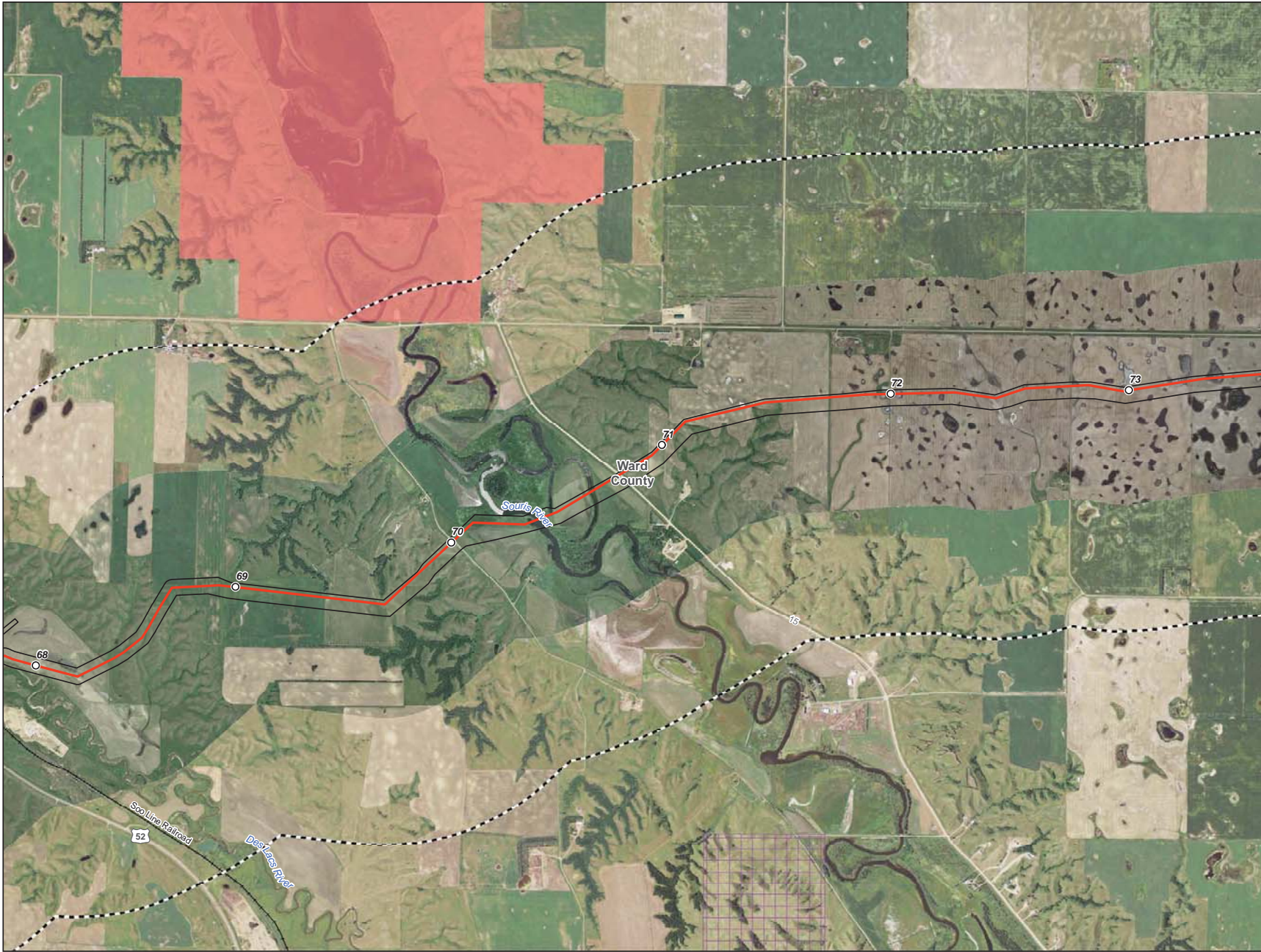
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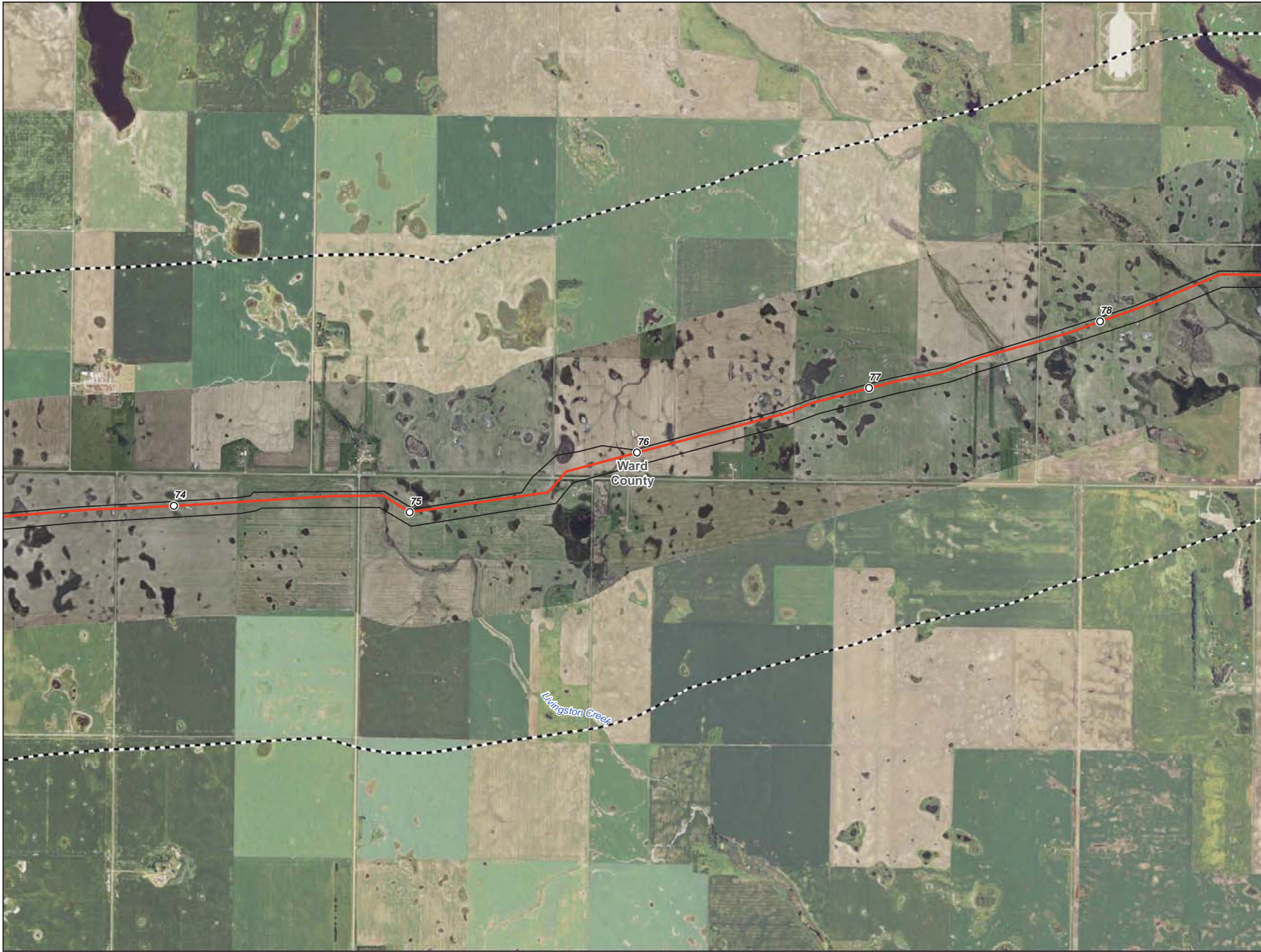


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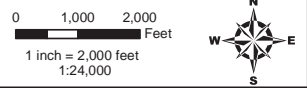
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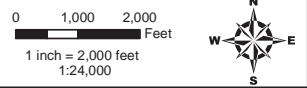
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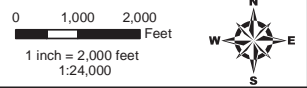
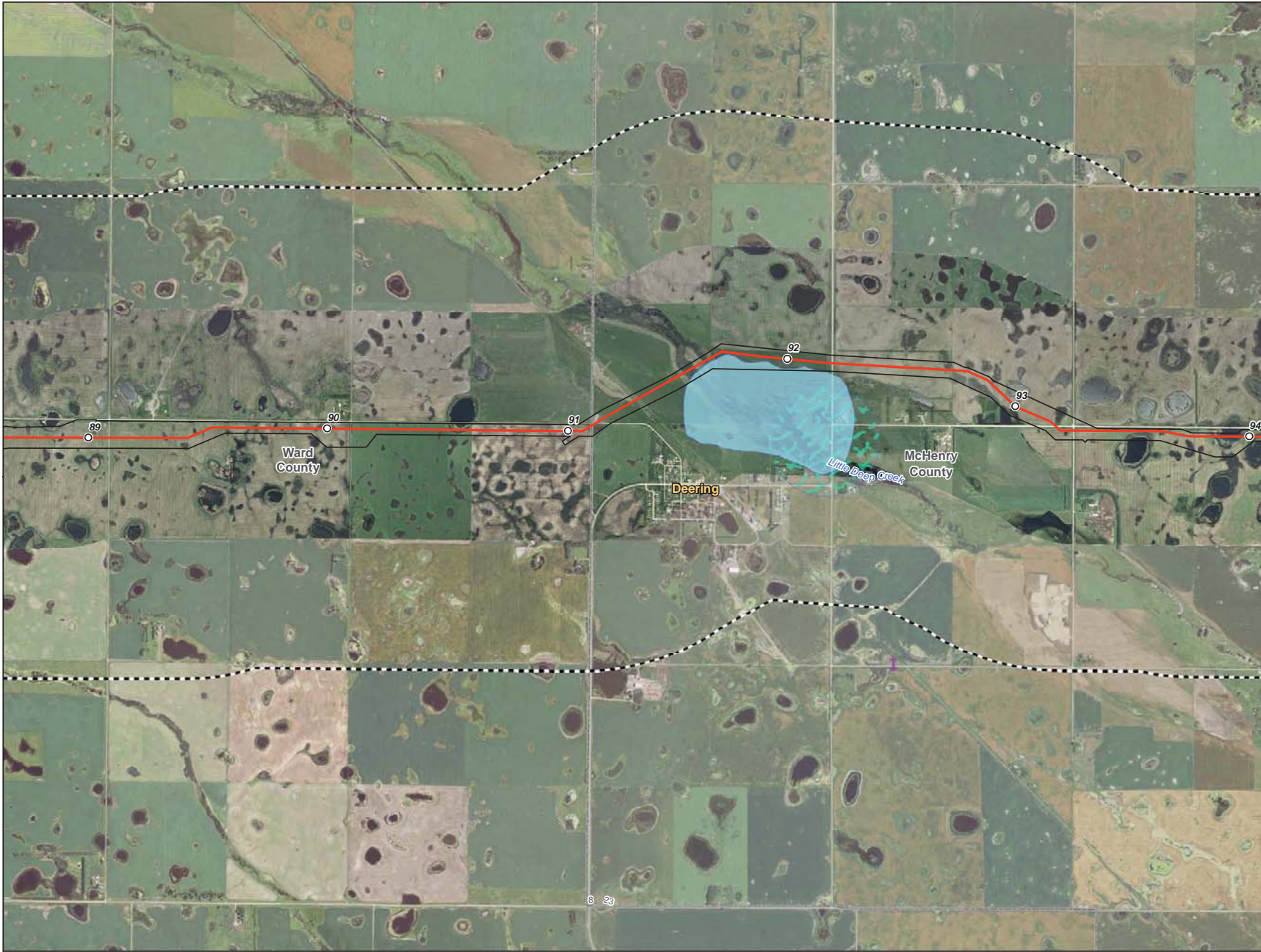
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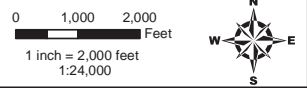
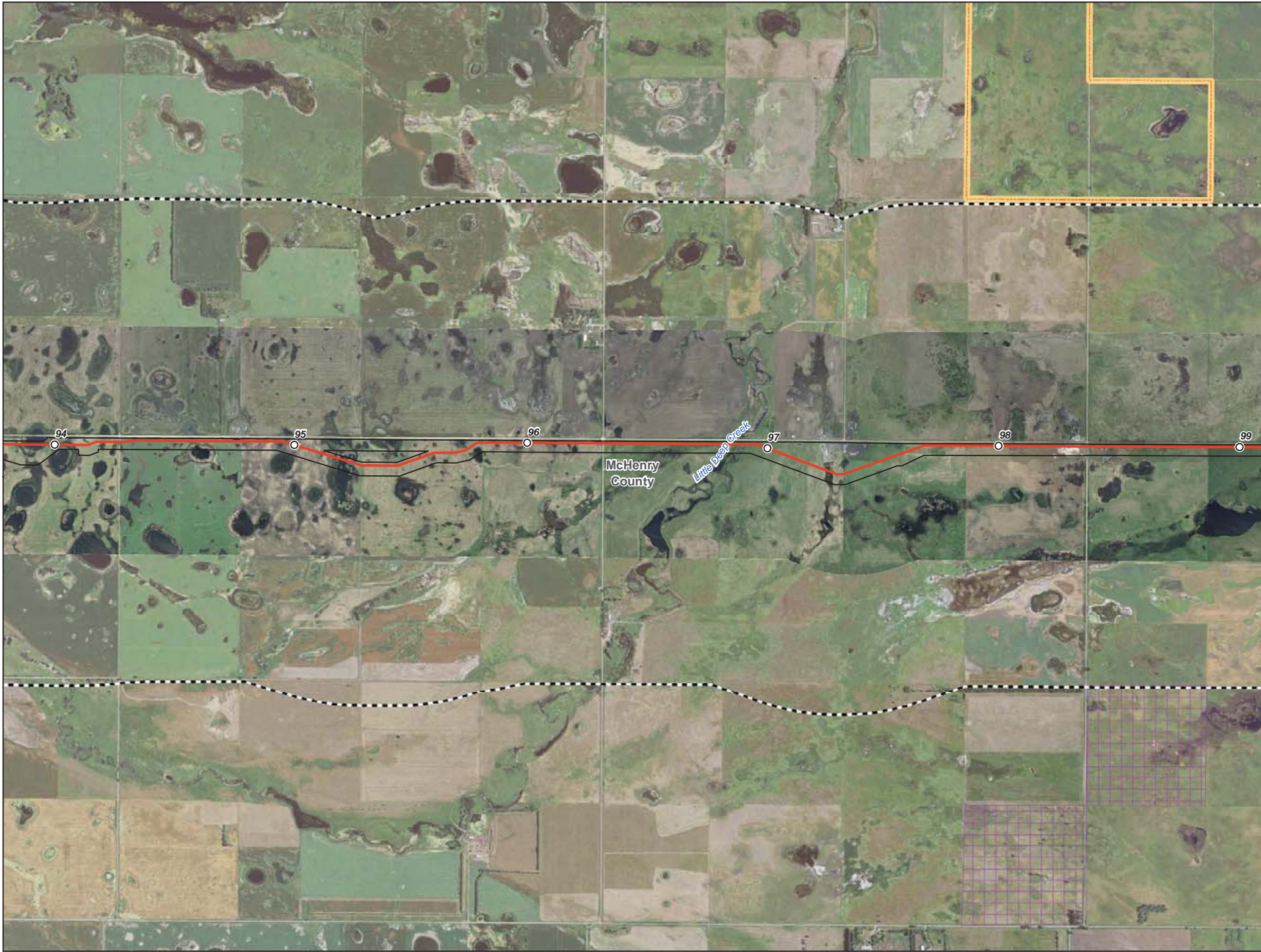
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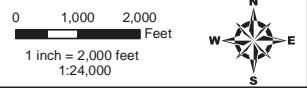
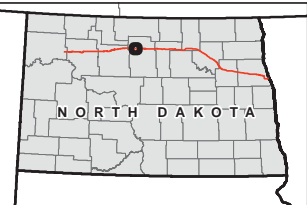
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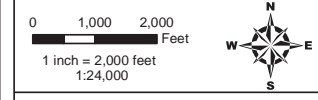
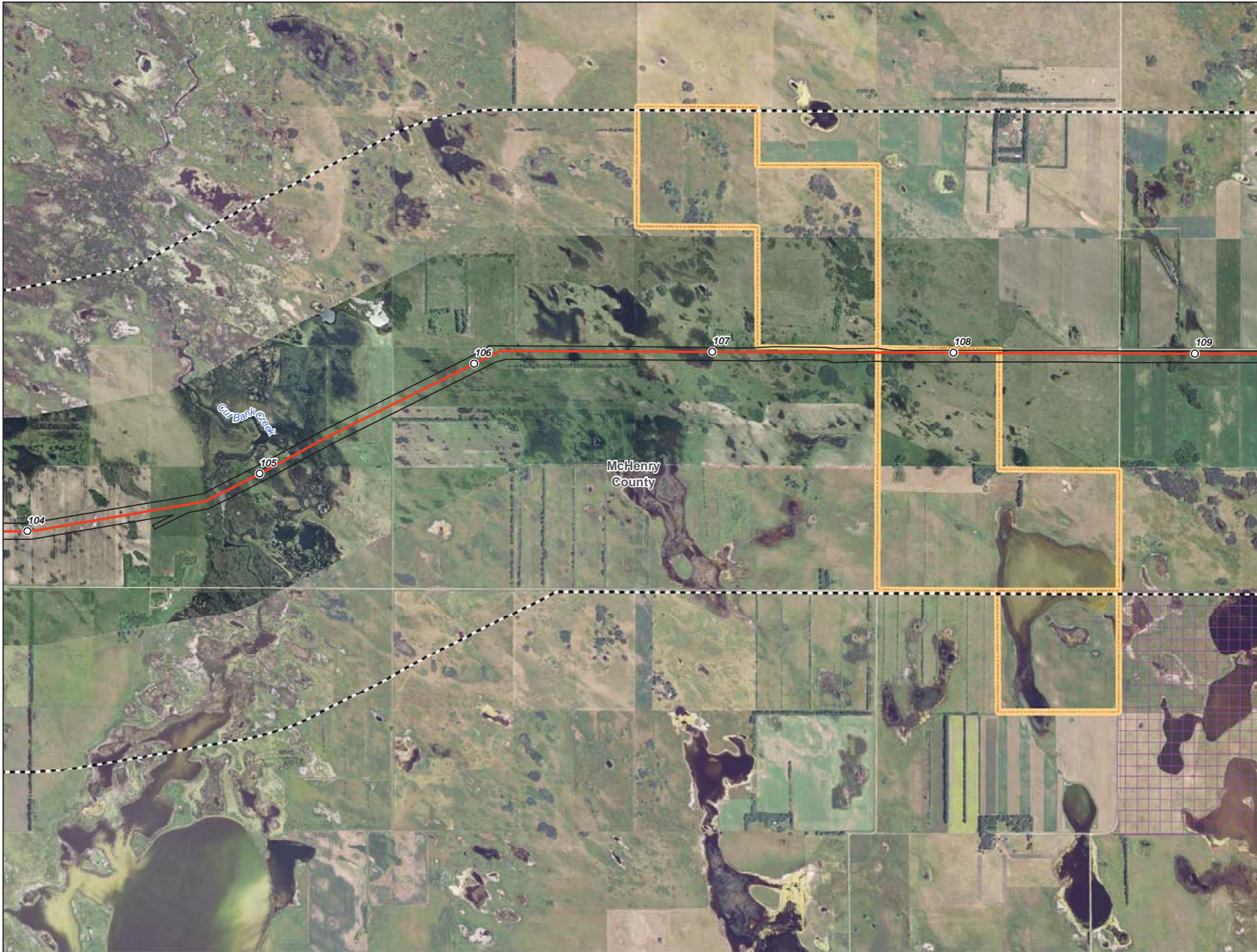
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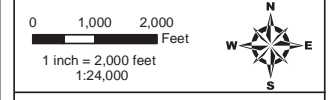
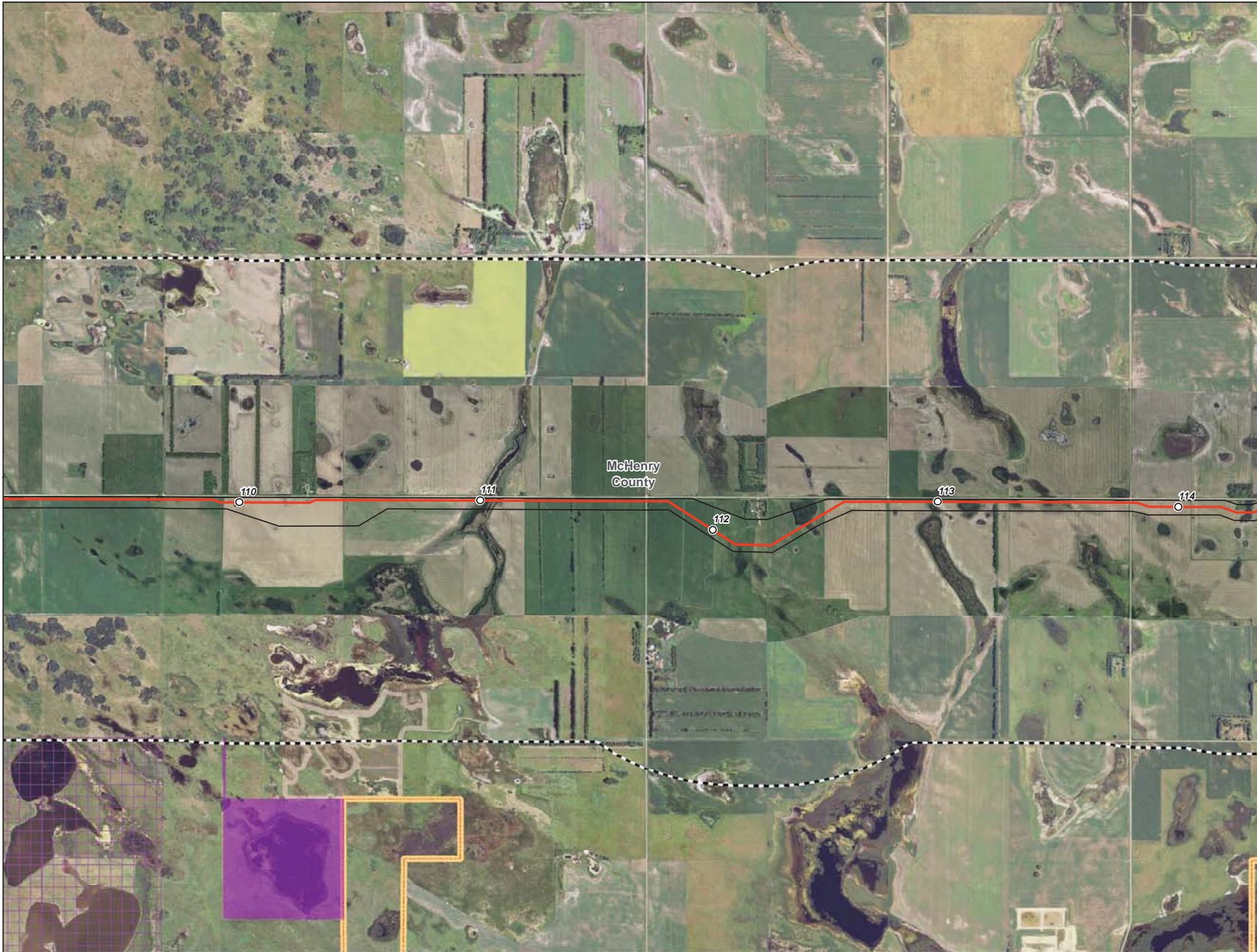
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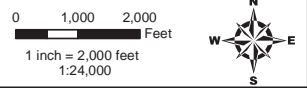
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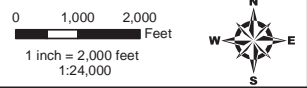
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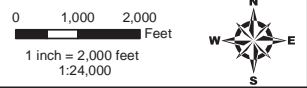
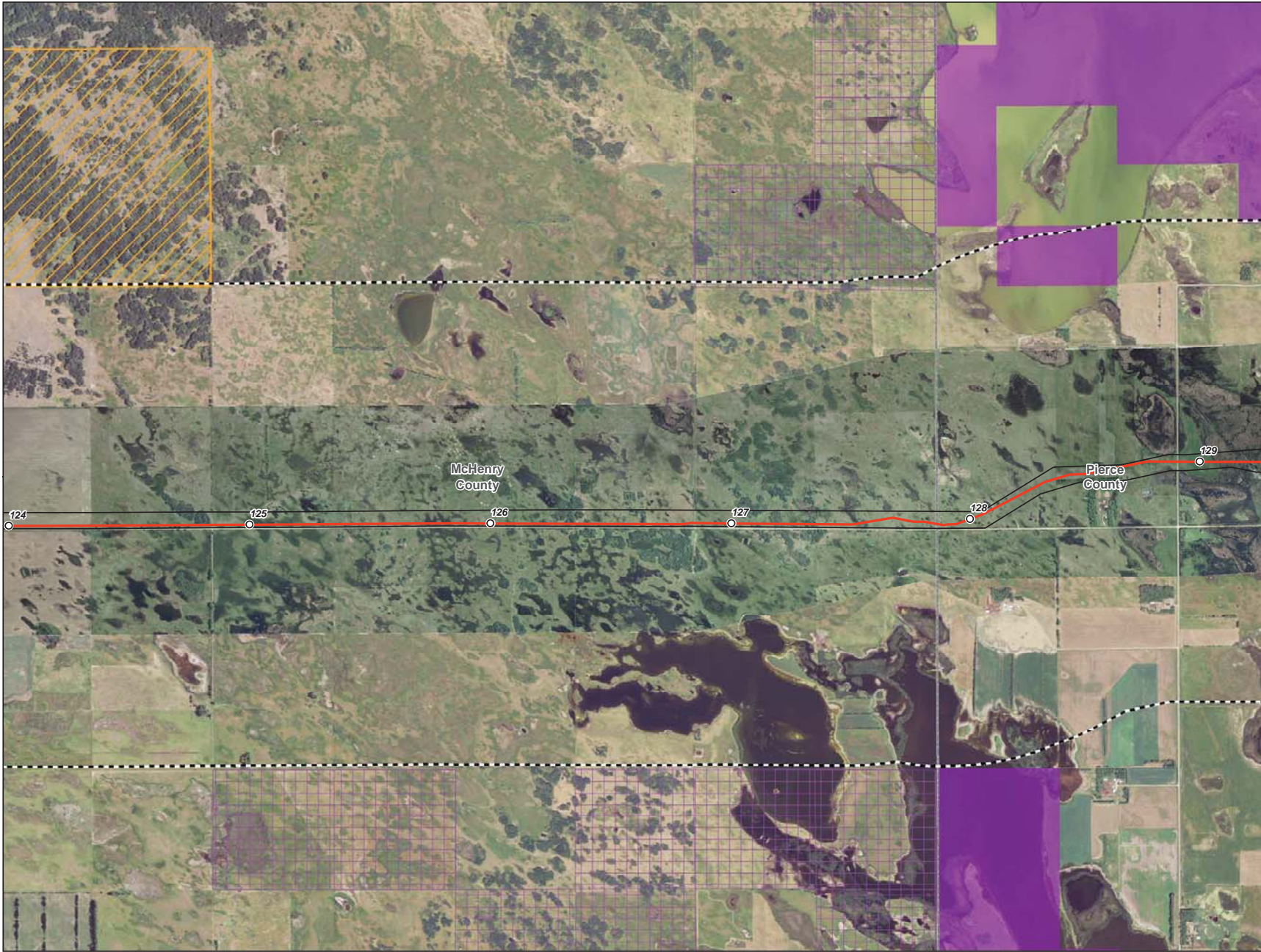
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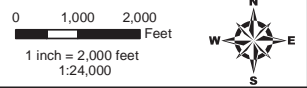
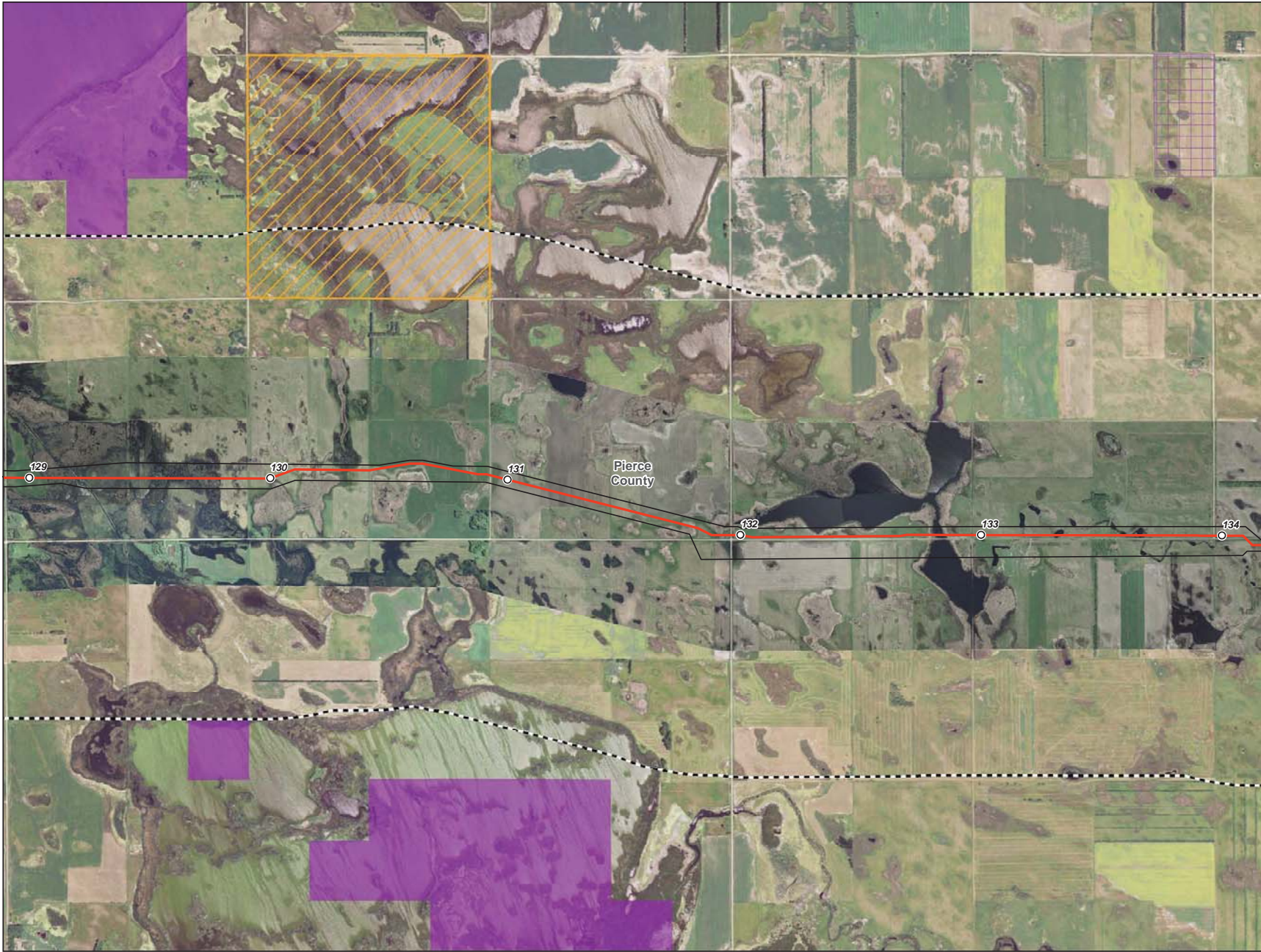
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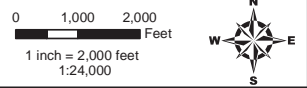
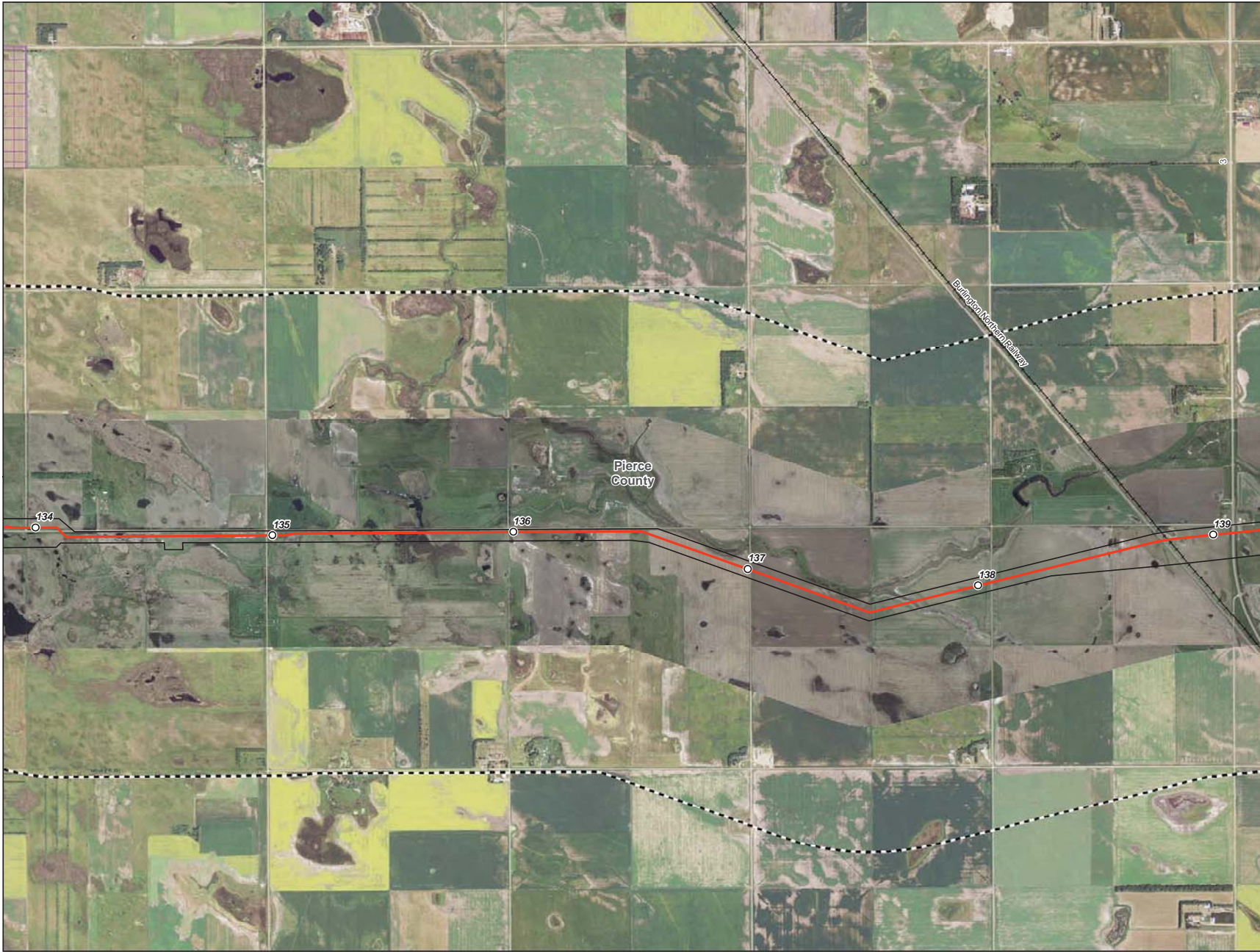
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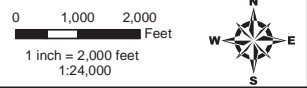
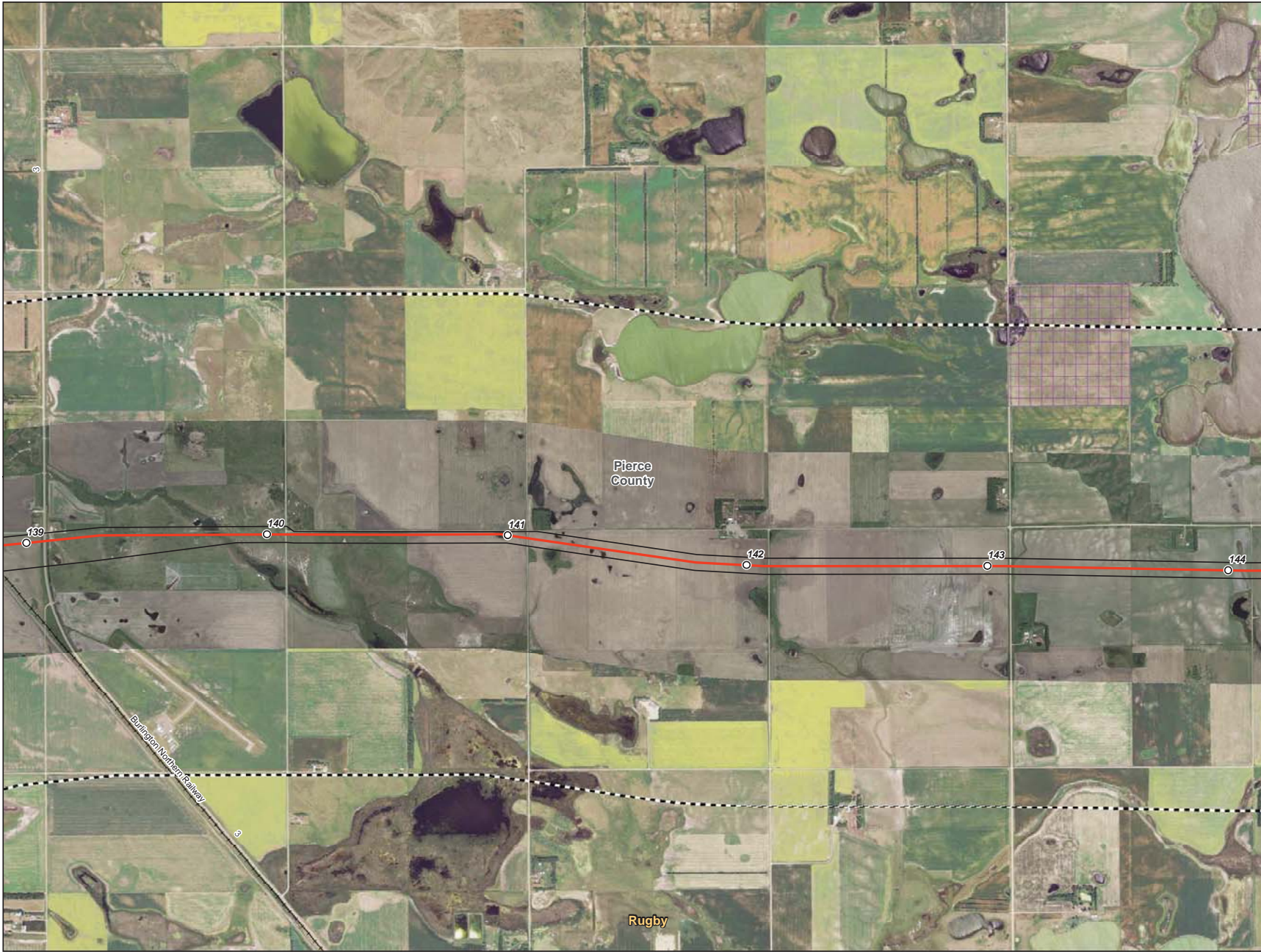
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Pierce County





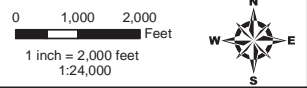
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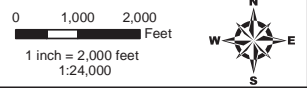
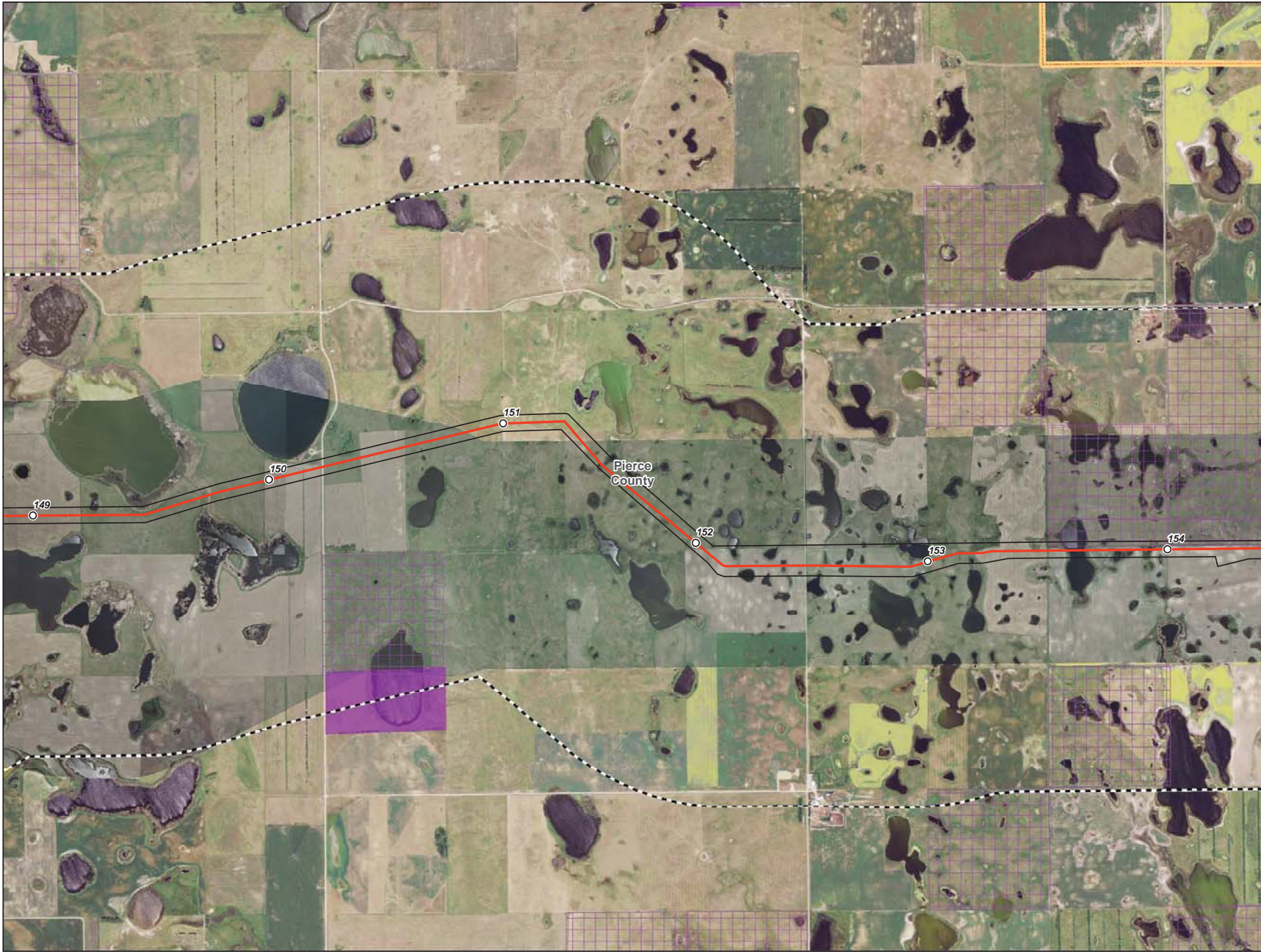
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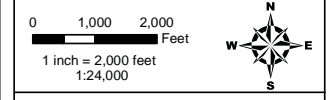
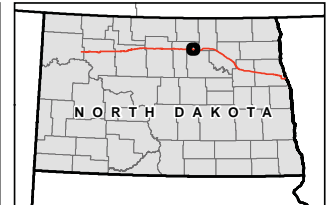
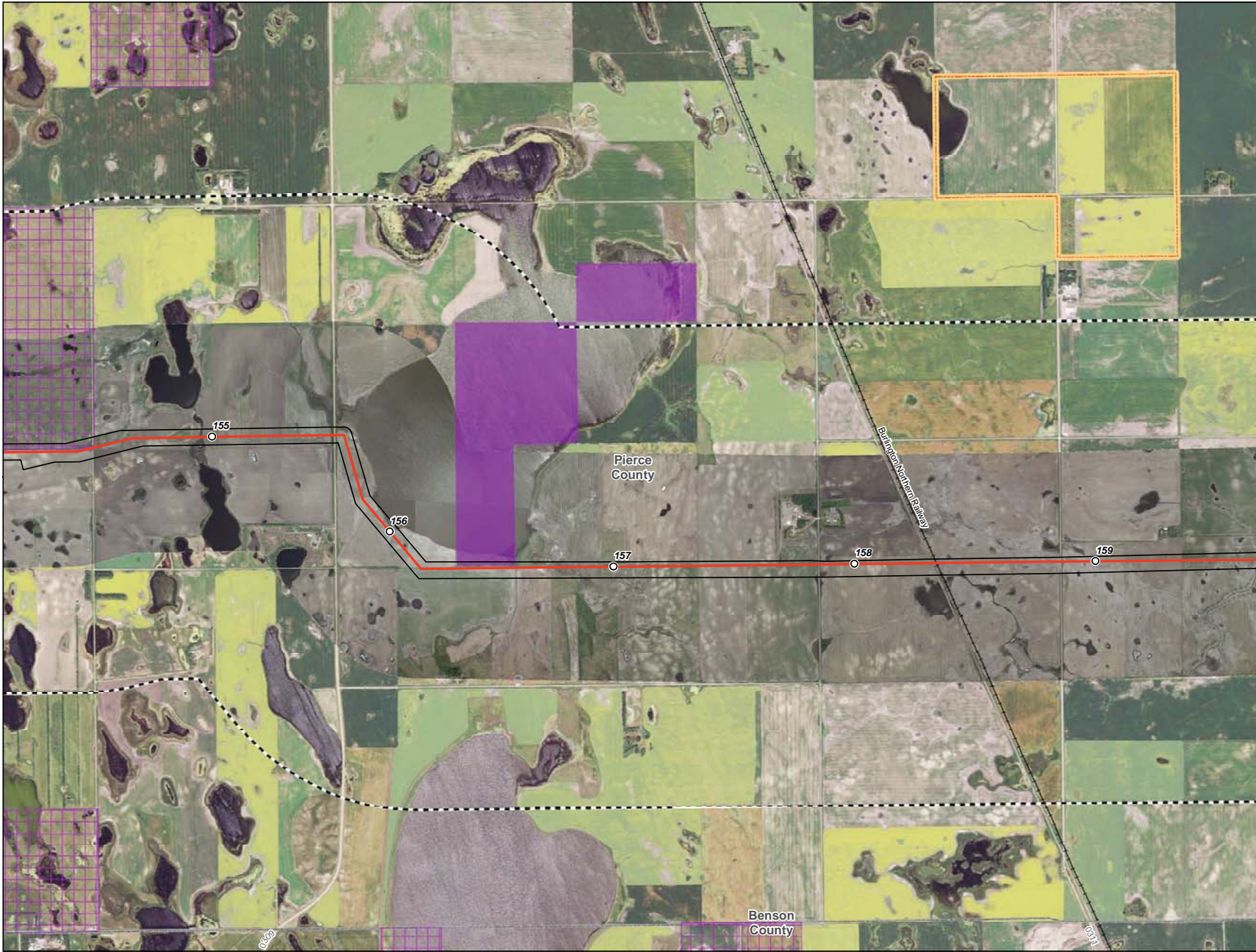
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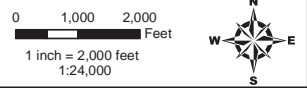
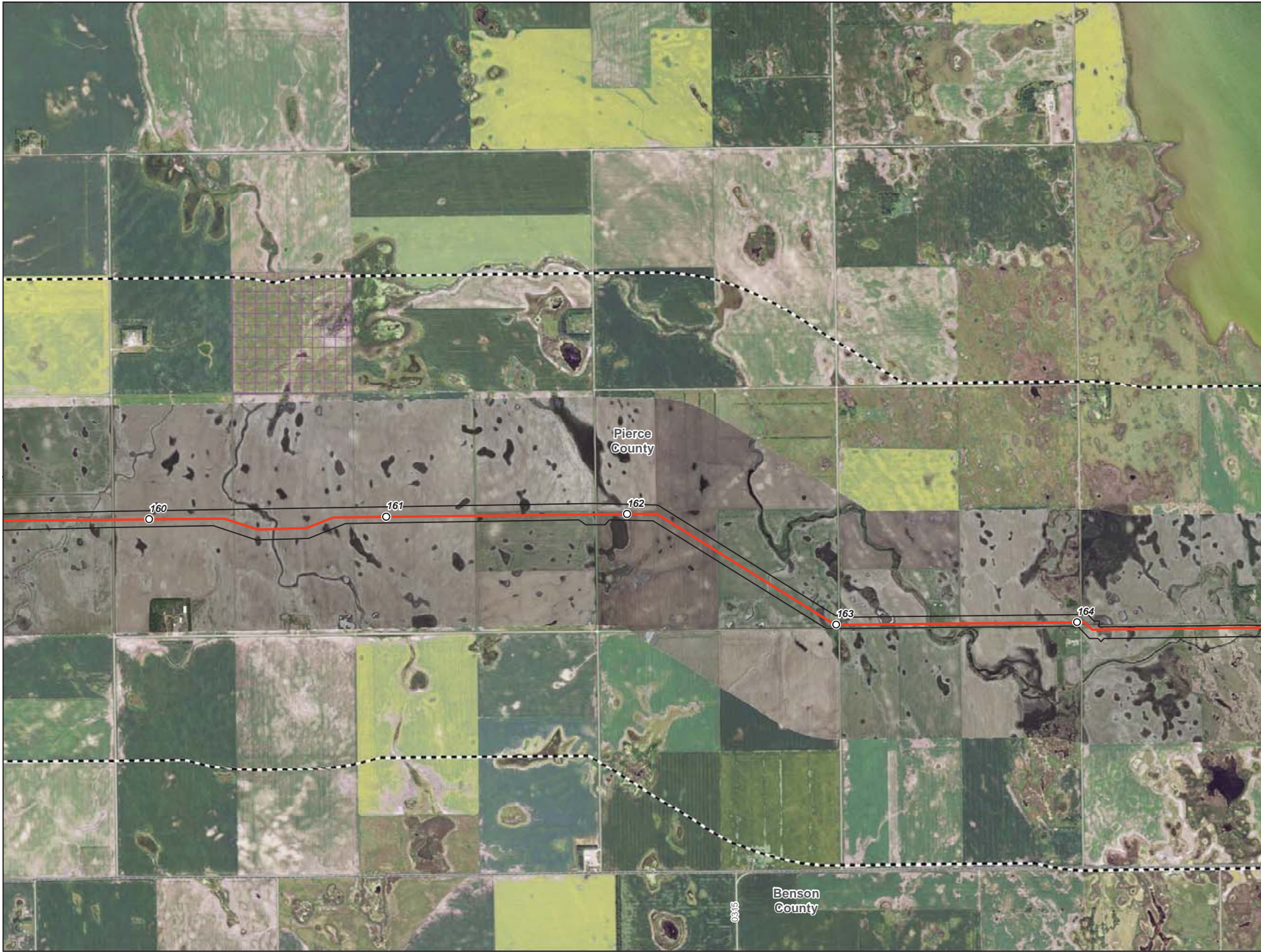
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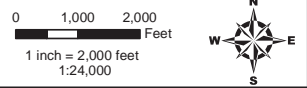
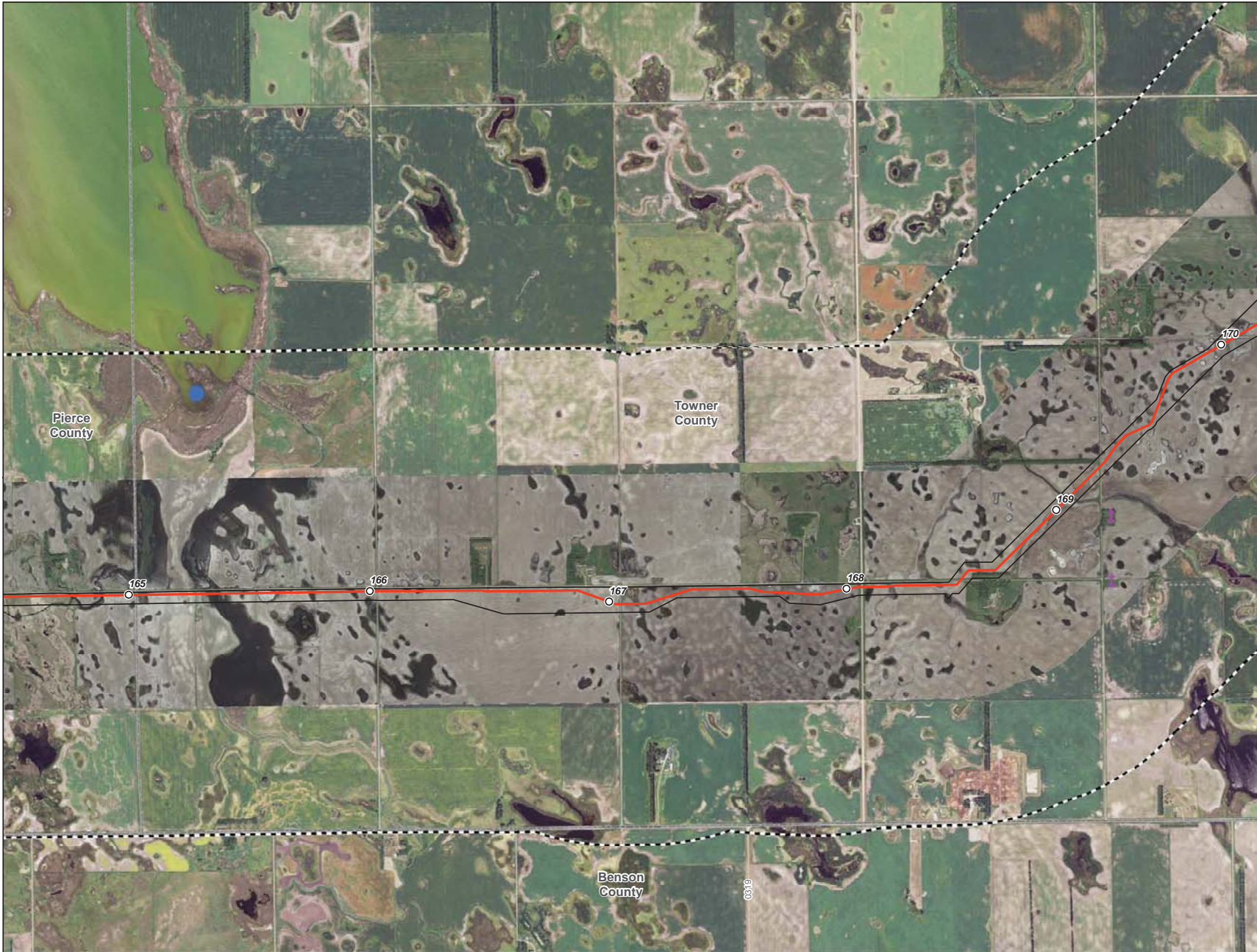
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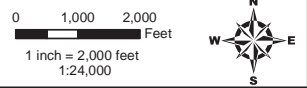
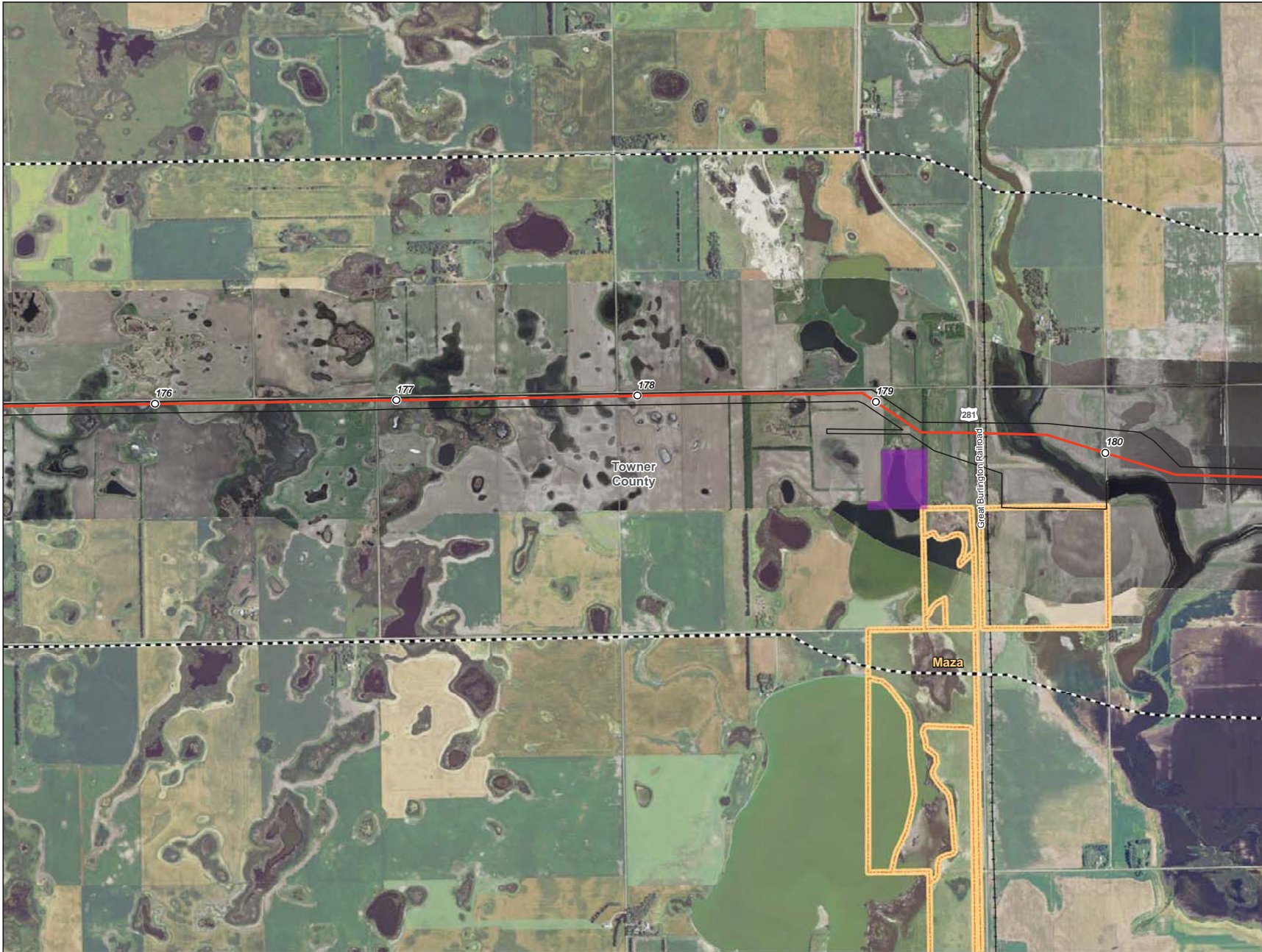
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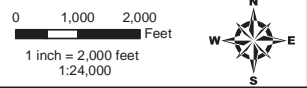
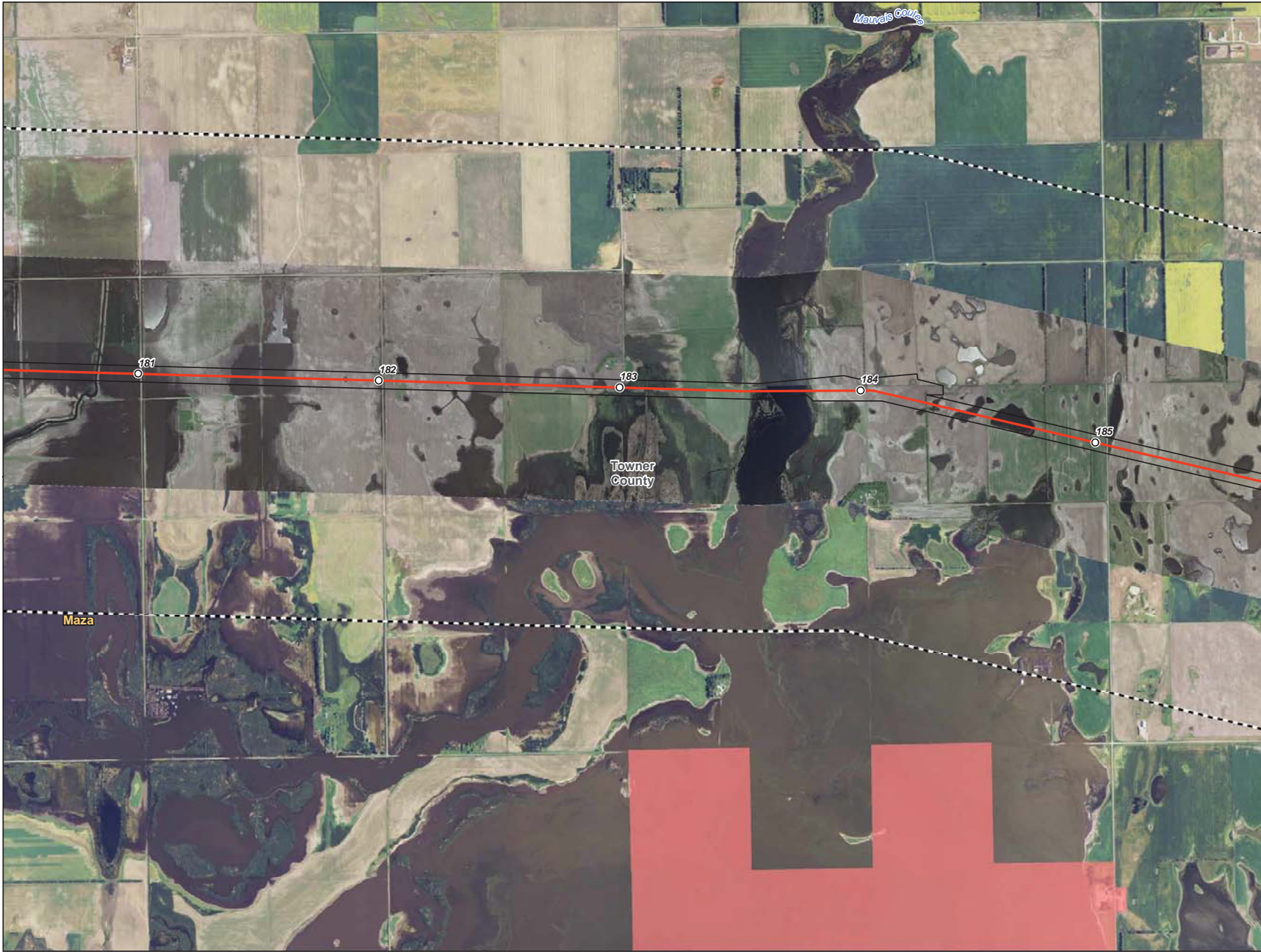
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Towner County





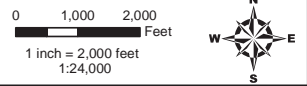
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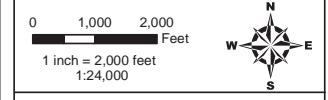
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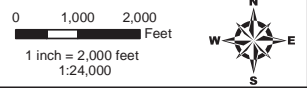
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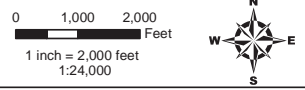
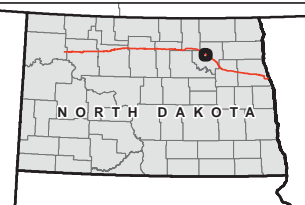
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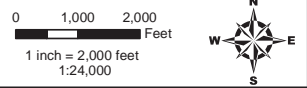
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(North Dakota) LLC  
Sandpiper Pipeline Project**

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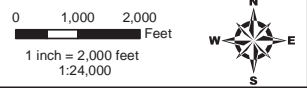
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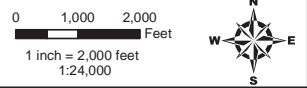
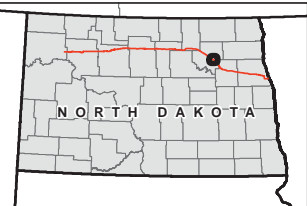
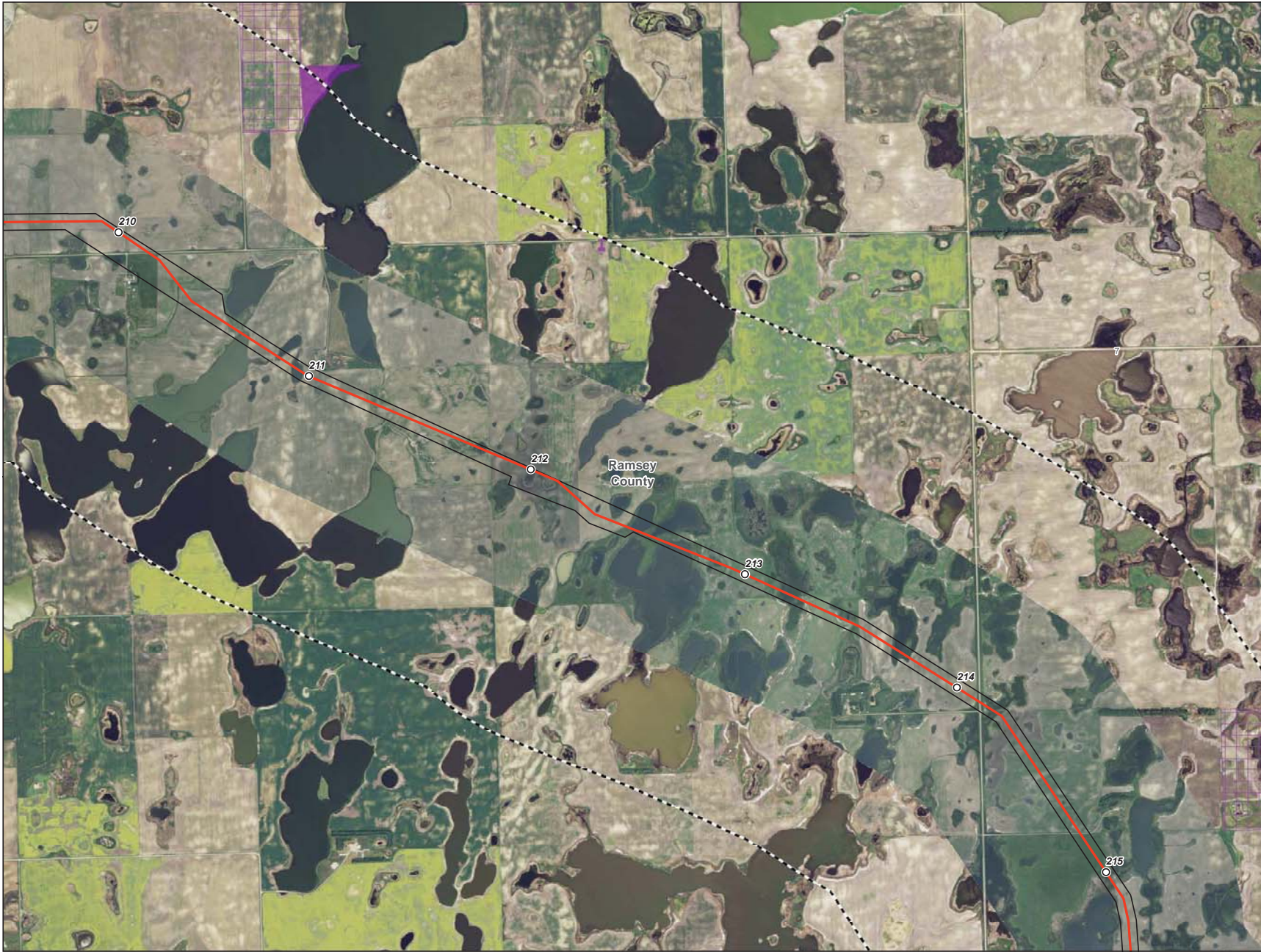
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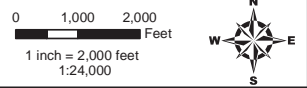
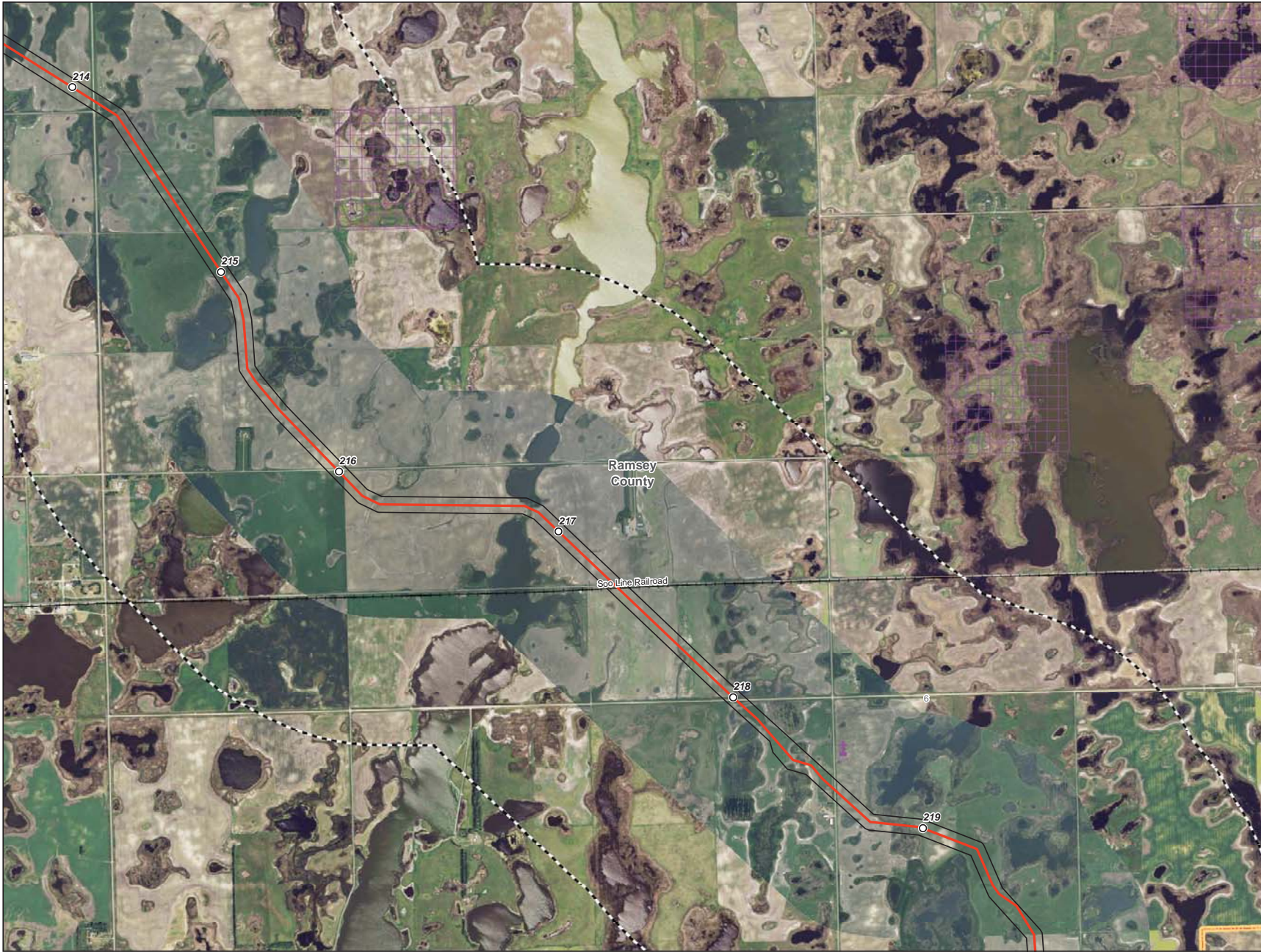
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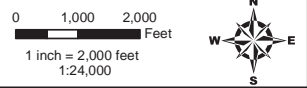
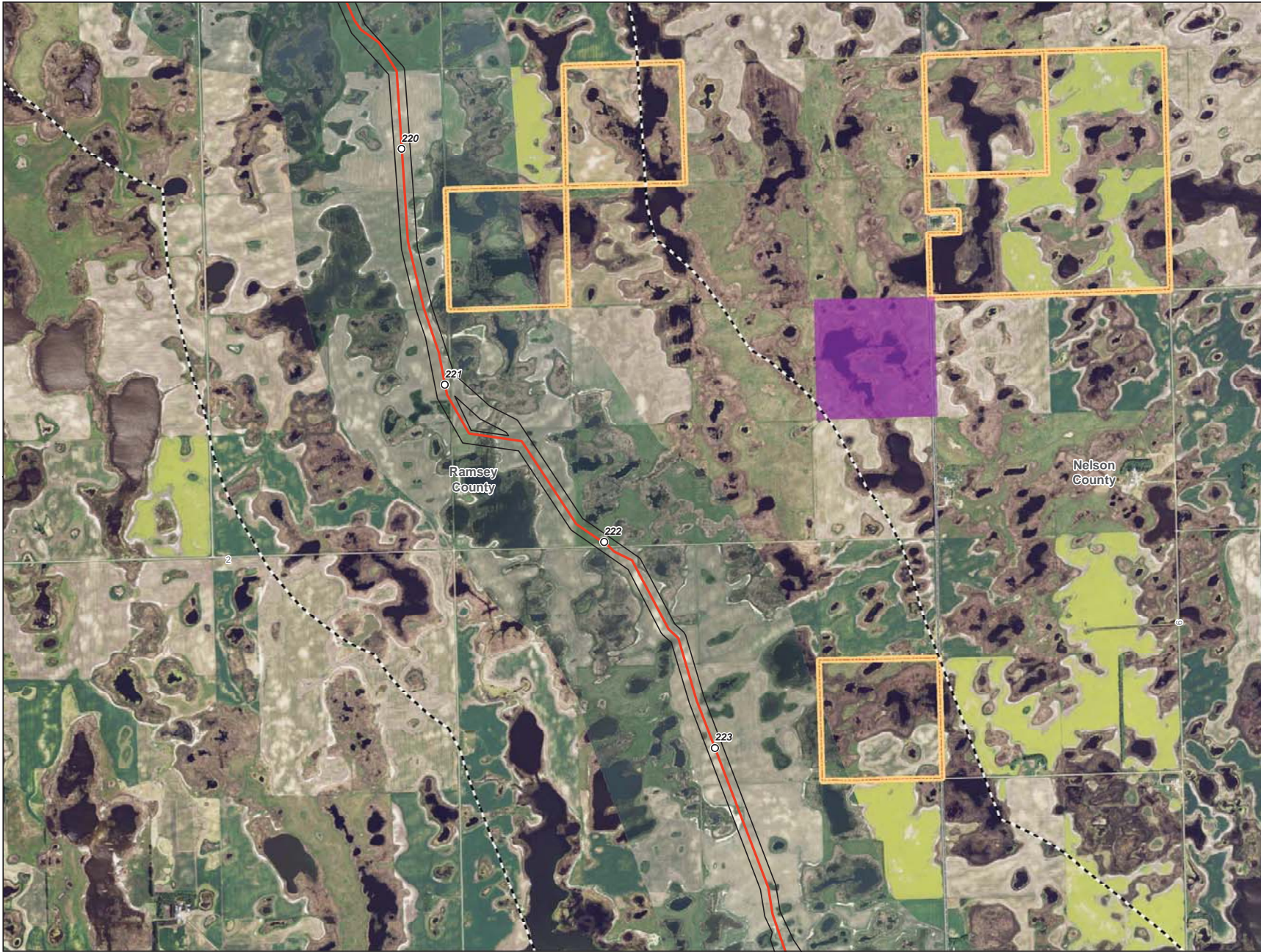
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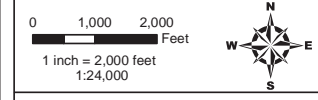
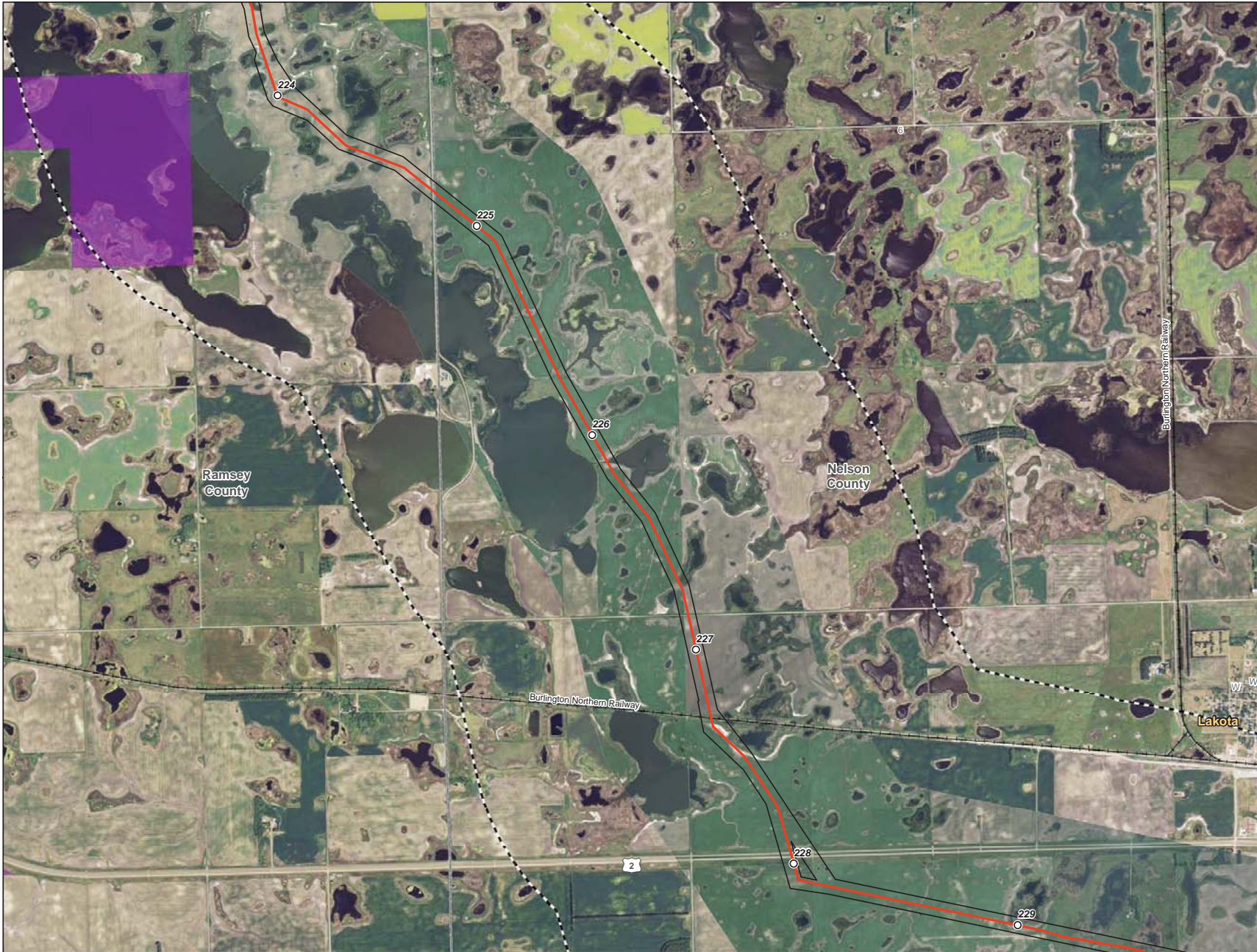
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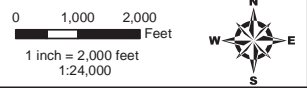
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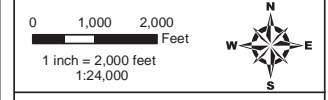
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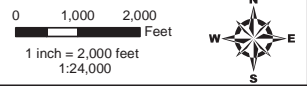
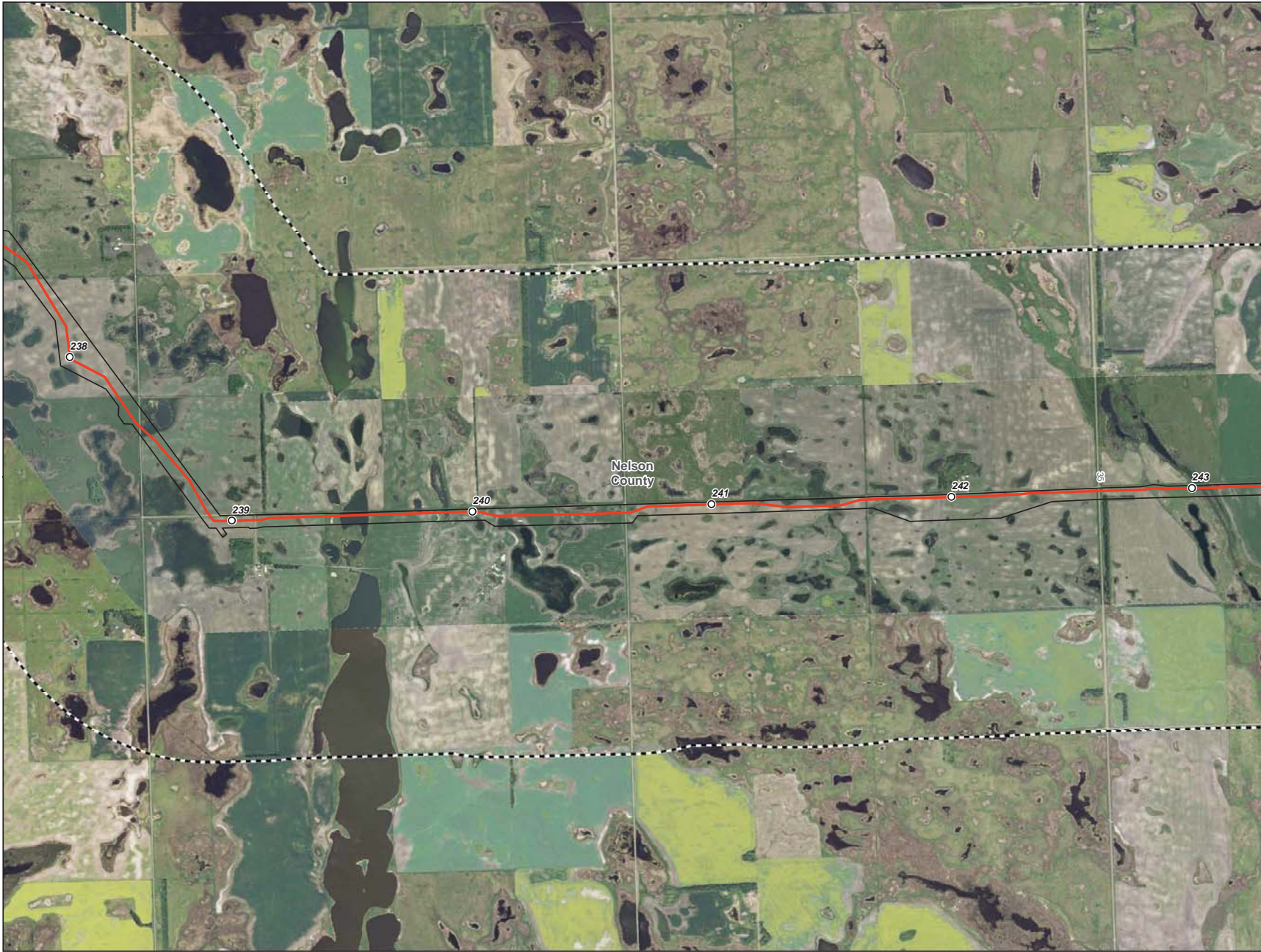
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**ENBRIDGE**

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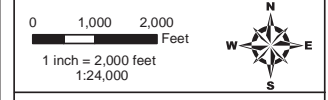
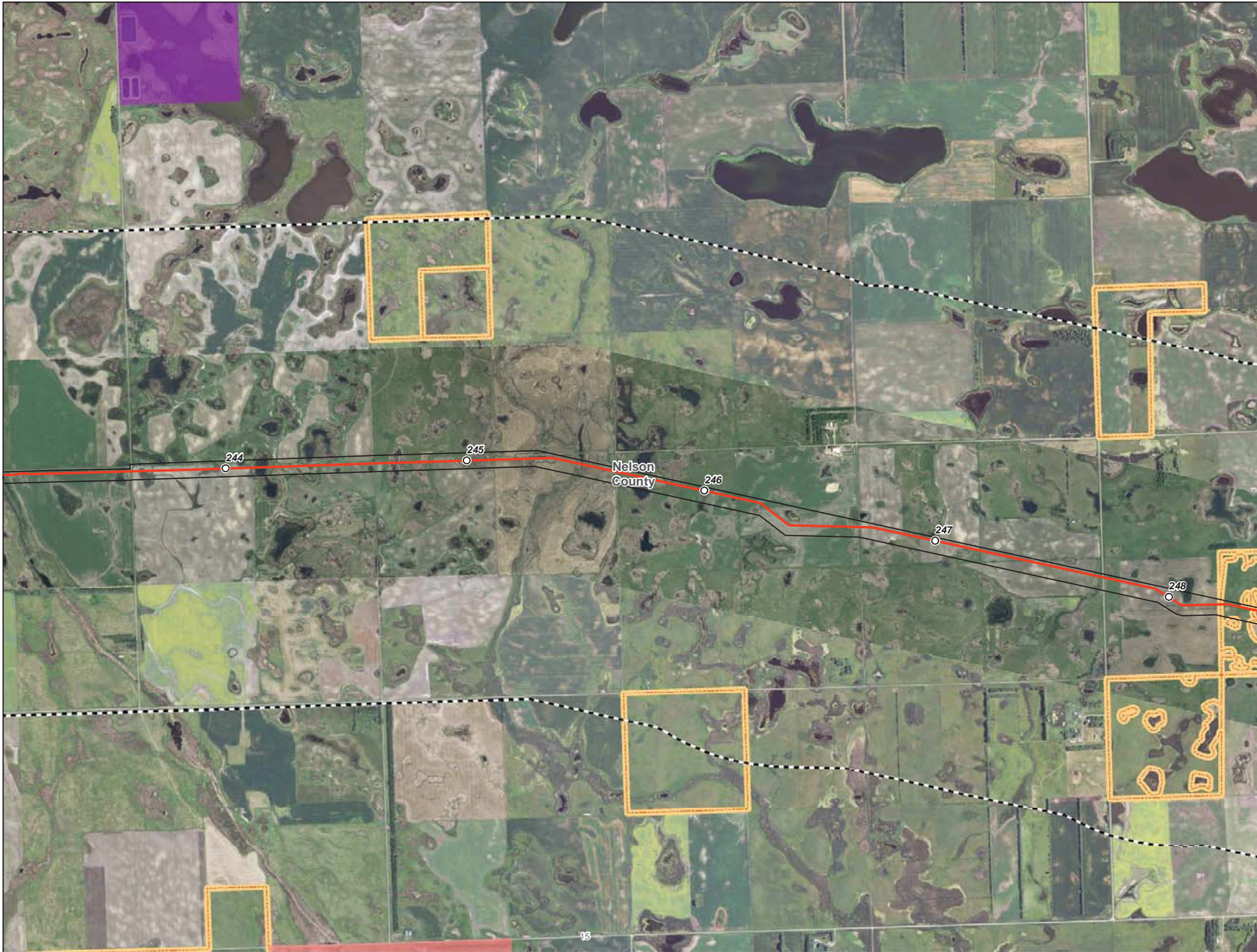
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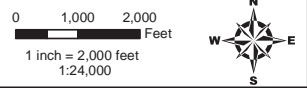
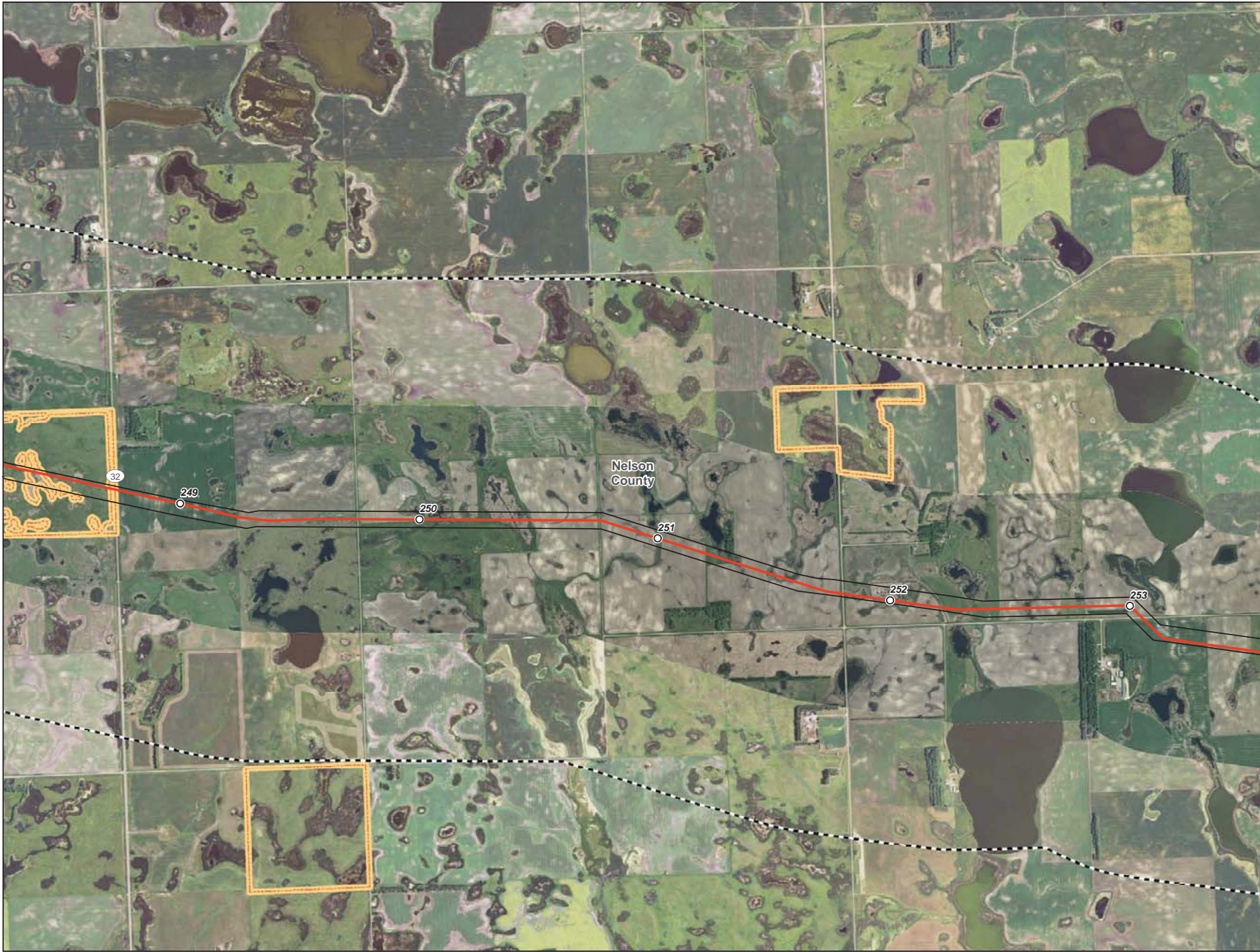
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Rev. D 12/16/2013



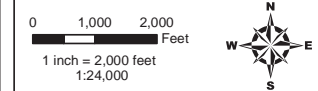
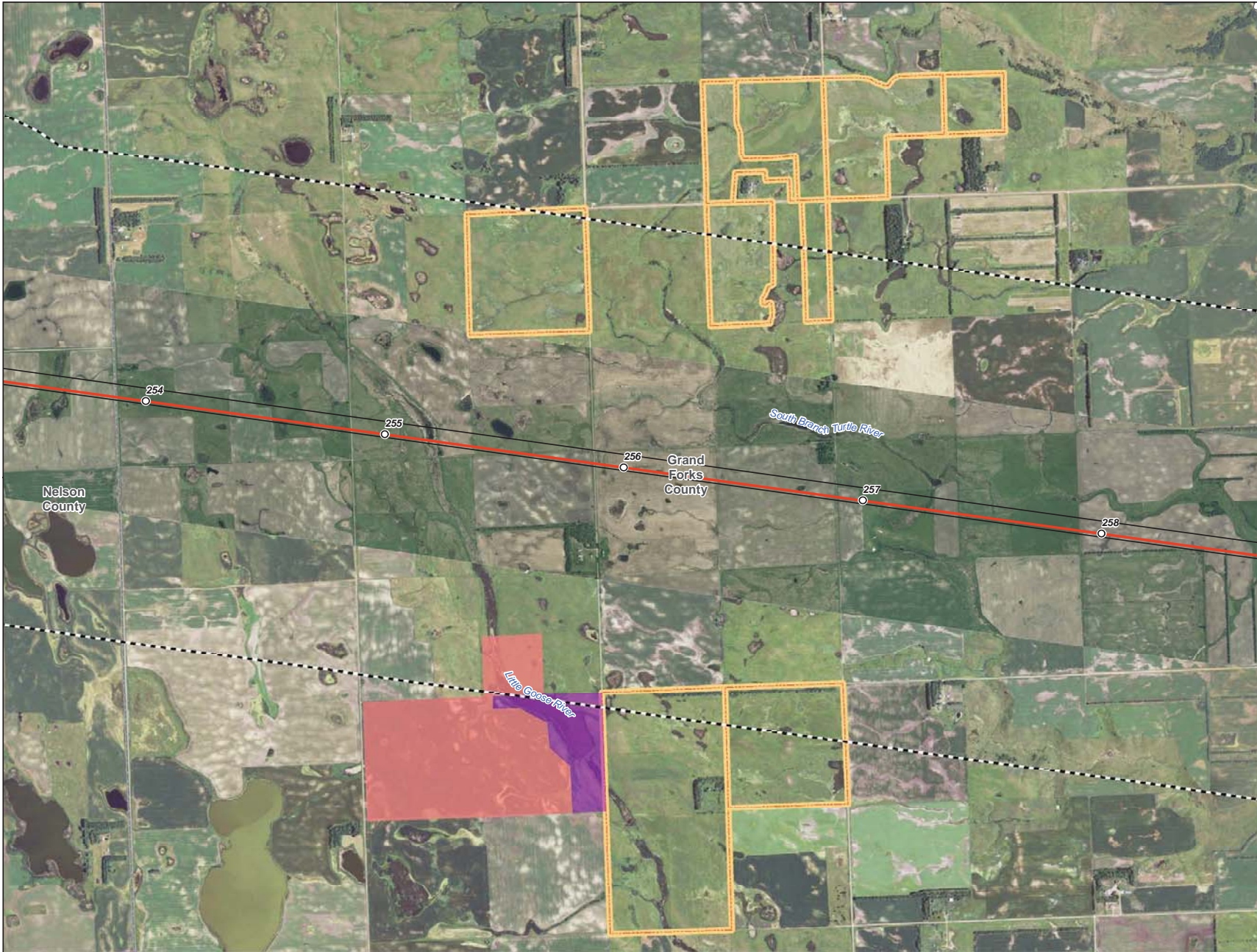
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- ▭ County Boundary
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- Reservoir
- ⦿ Municipal Water Supply
- ⚰ Cemetery
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Nelson County





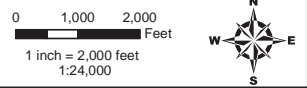
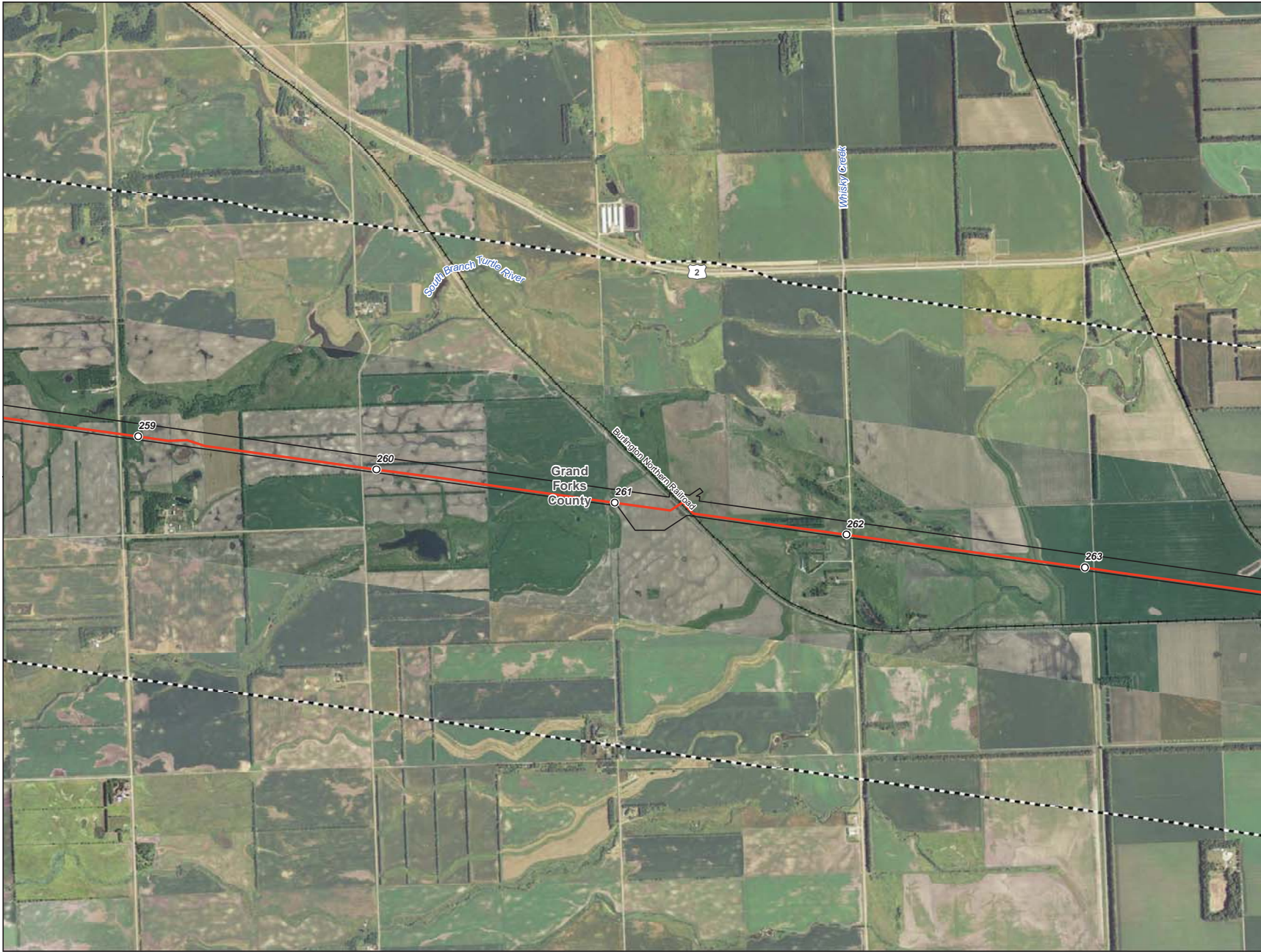
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





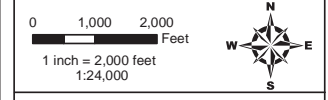
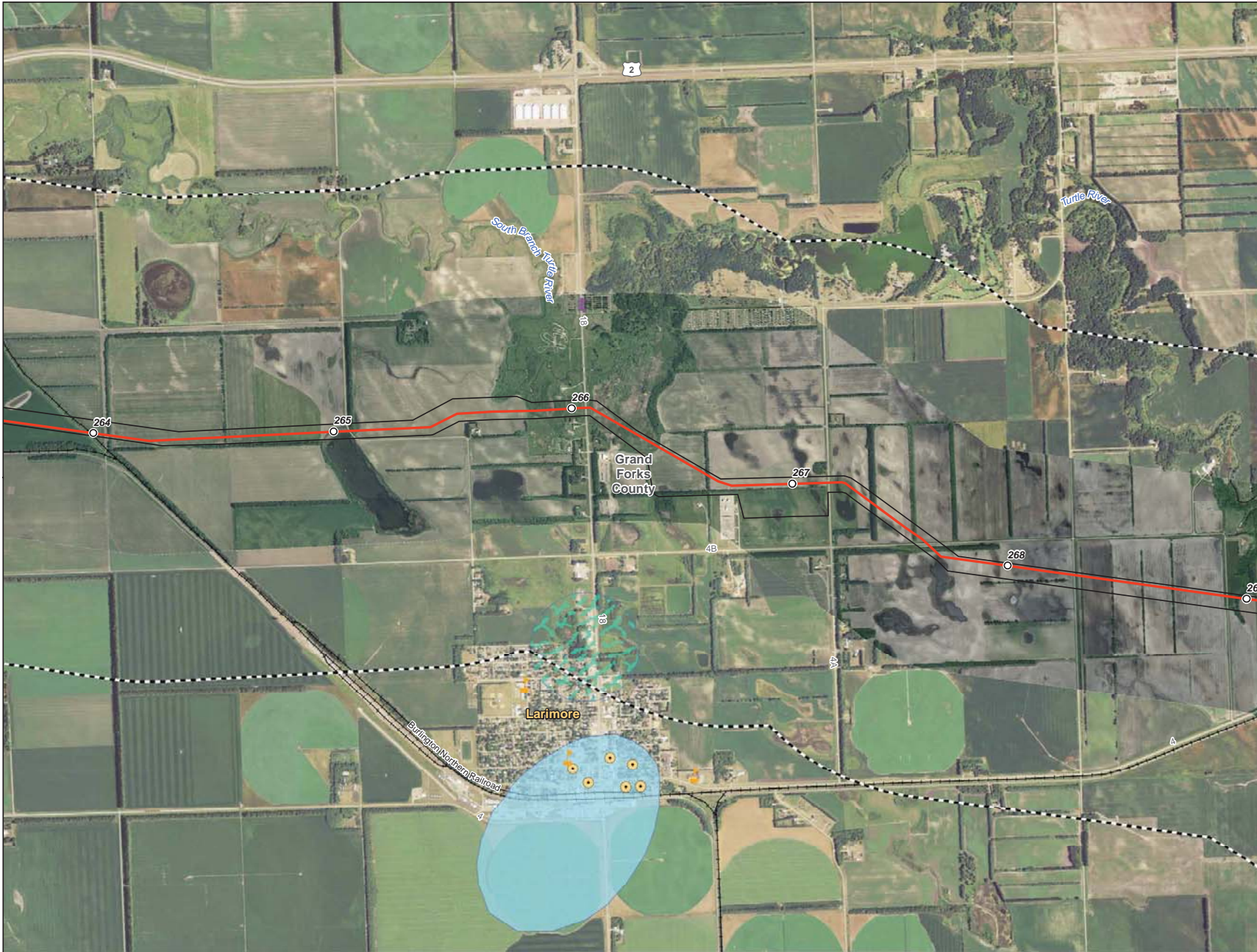
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





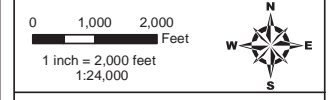
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





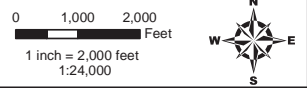
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





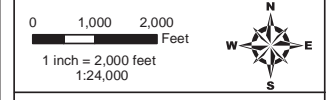
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





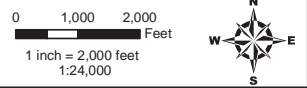
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





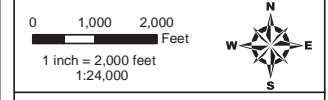
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





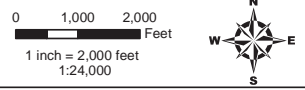
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





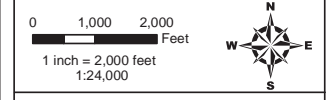
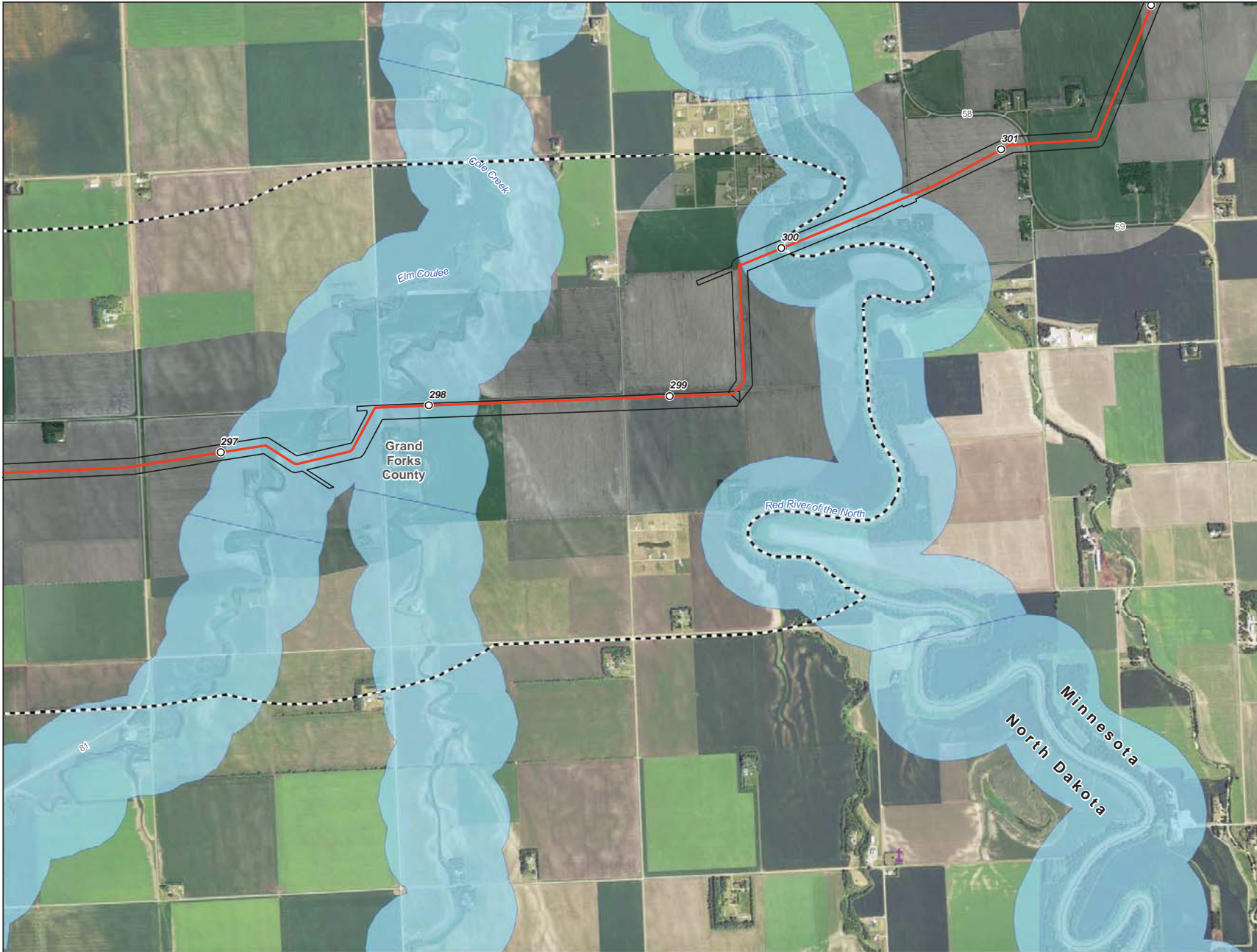
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Avoidance Areas**

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Grand Forks County





- Milepost
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

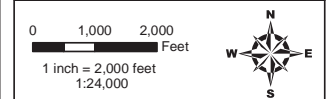
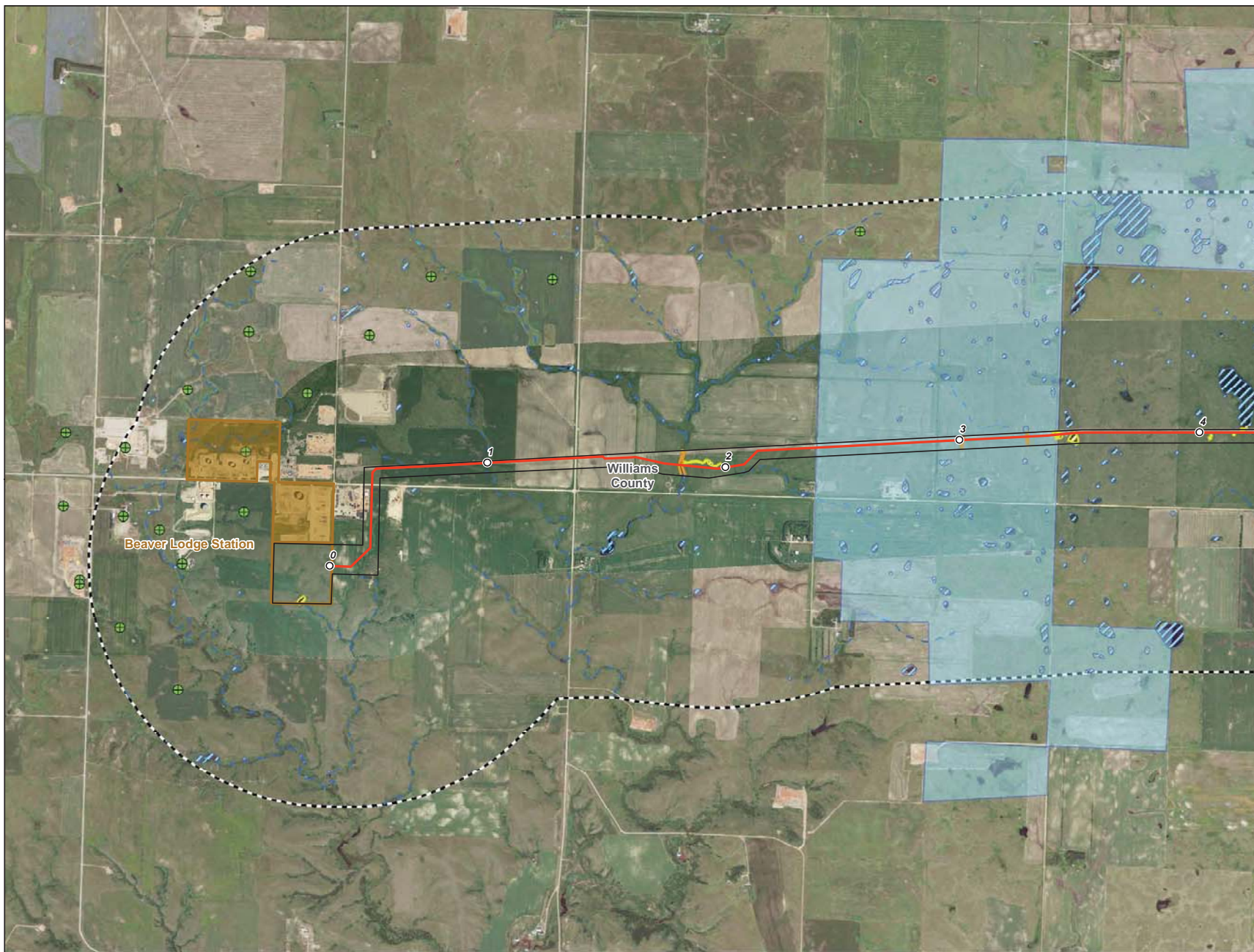
**Avoidance Areas**

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Grand Forks County





# Exhibit I.3



- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- ⊕ Oil and Gas Well
- ⊗ Sand and Gravel Resource
- Delineated Waterbody
- ▨ Delineated Wetland
- ▨ NWI Wetland
- ▨ NCRS WRP Easement
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- USGS Streams**
- - Intermittent Stream
- Perennial Stream
- Ephemeral Stream
- - Canal Ditch
- USFWS Easement**
- ▨ Grassland
- ▨ Wetland
- ▨ Conservation

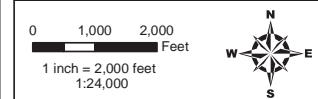
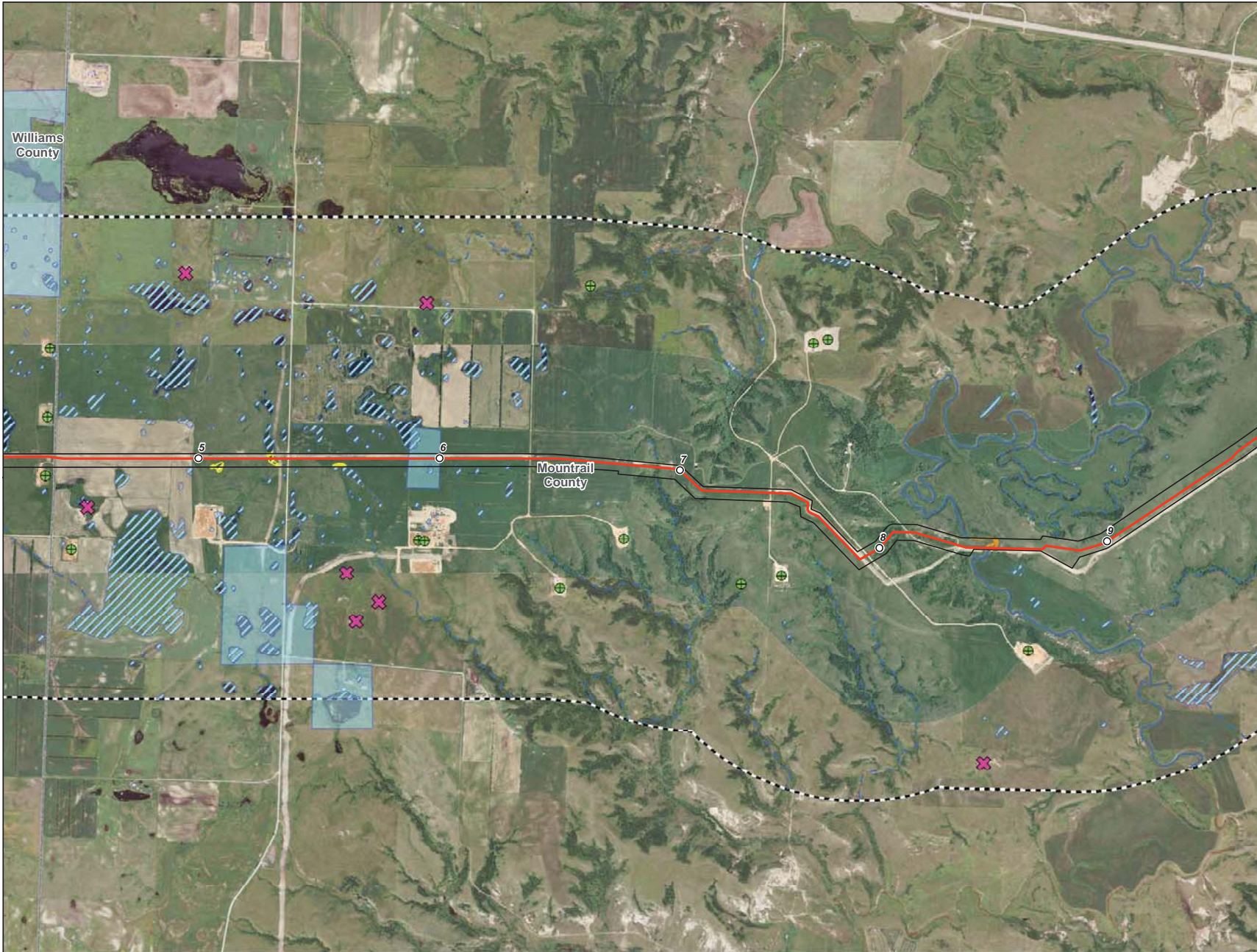
## Enbridge Pipelines (North Dakota) LLC Sandpiper Pipeline Project

### Other Criteria Considered

Page 1 of 61  
Williams County



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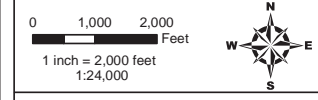
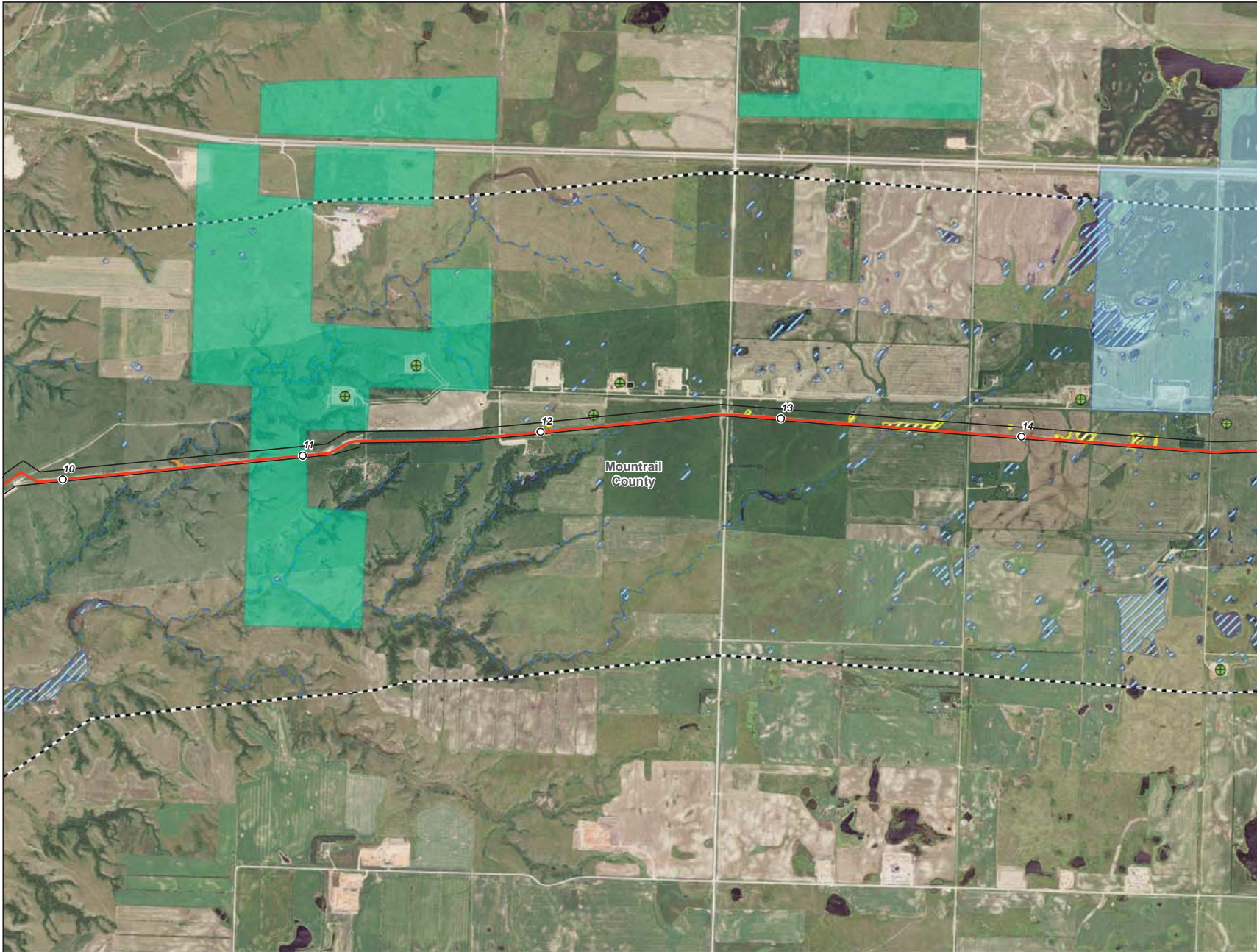
## Enbridge Pipelines (North Dakota) LLC Sandpiper Pipeline Project

### Other Criteria Considered

Page 2 of 61  
Mountrail County



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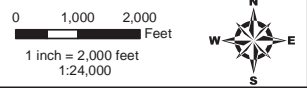
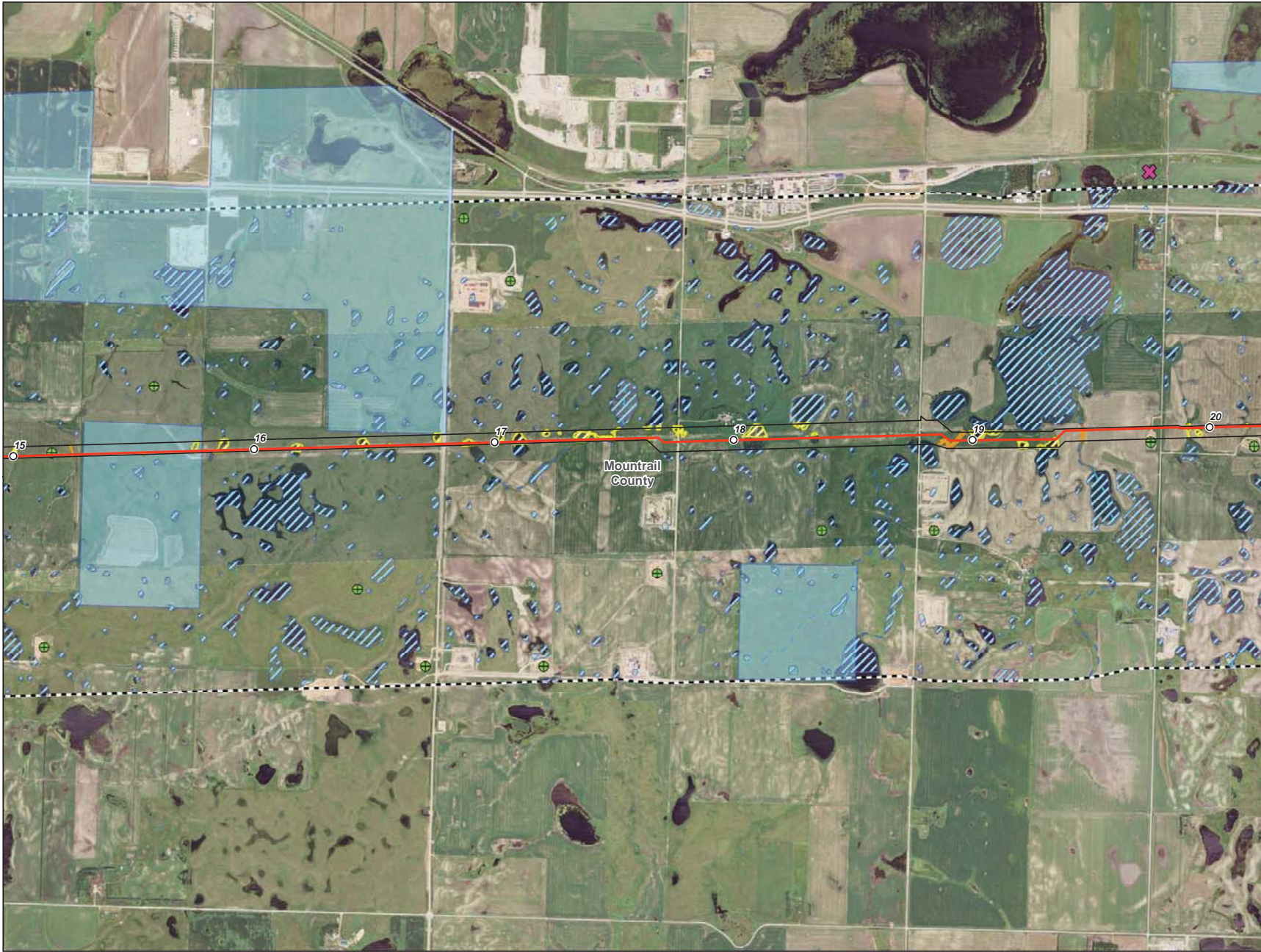
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**



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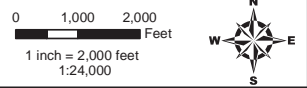
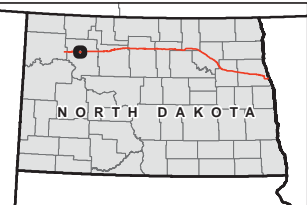
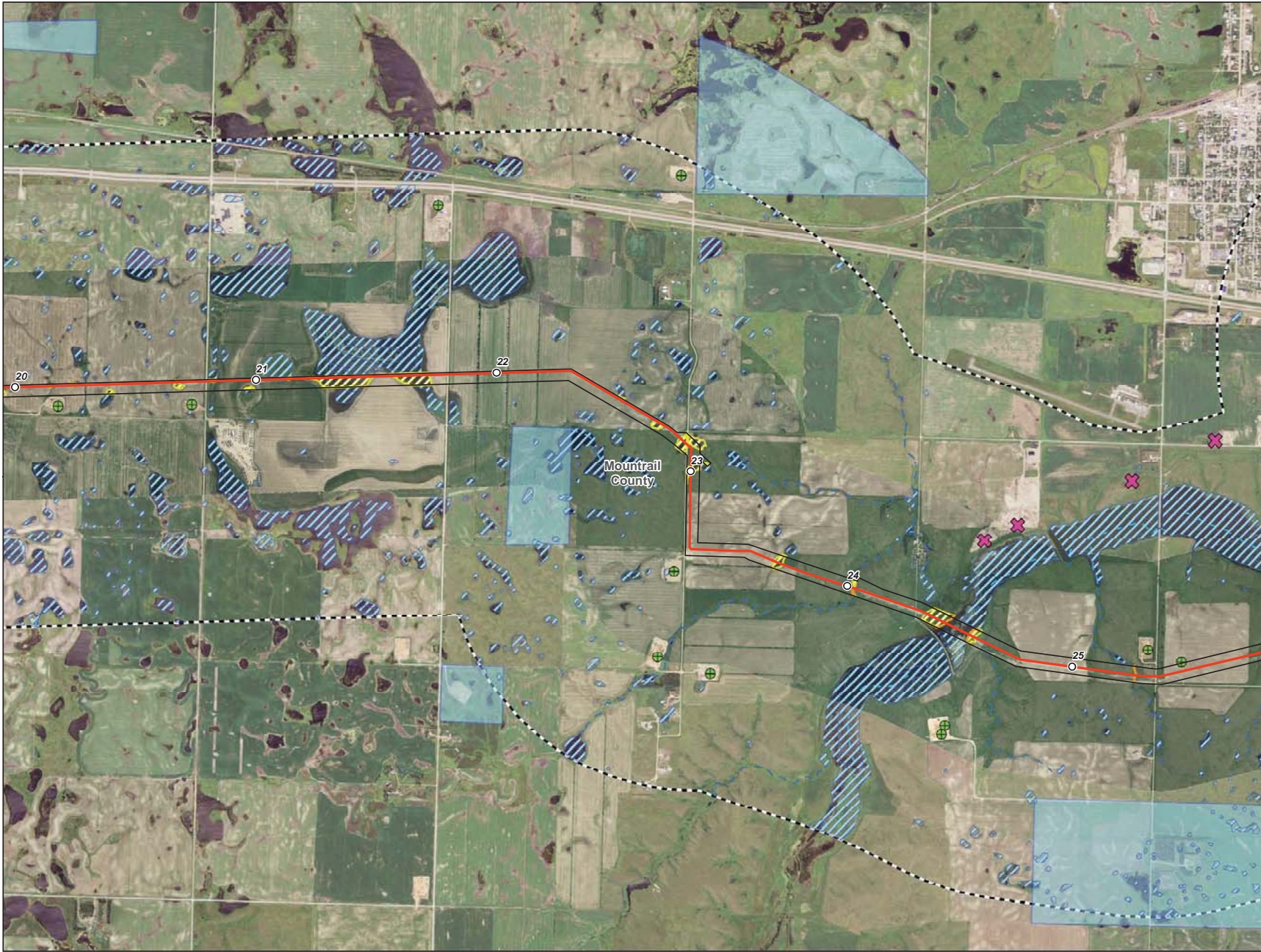
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Mountrail County





- Milepost
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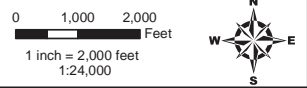
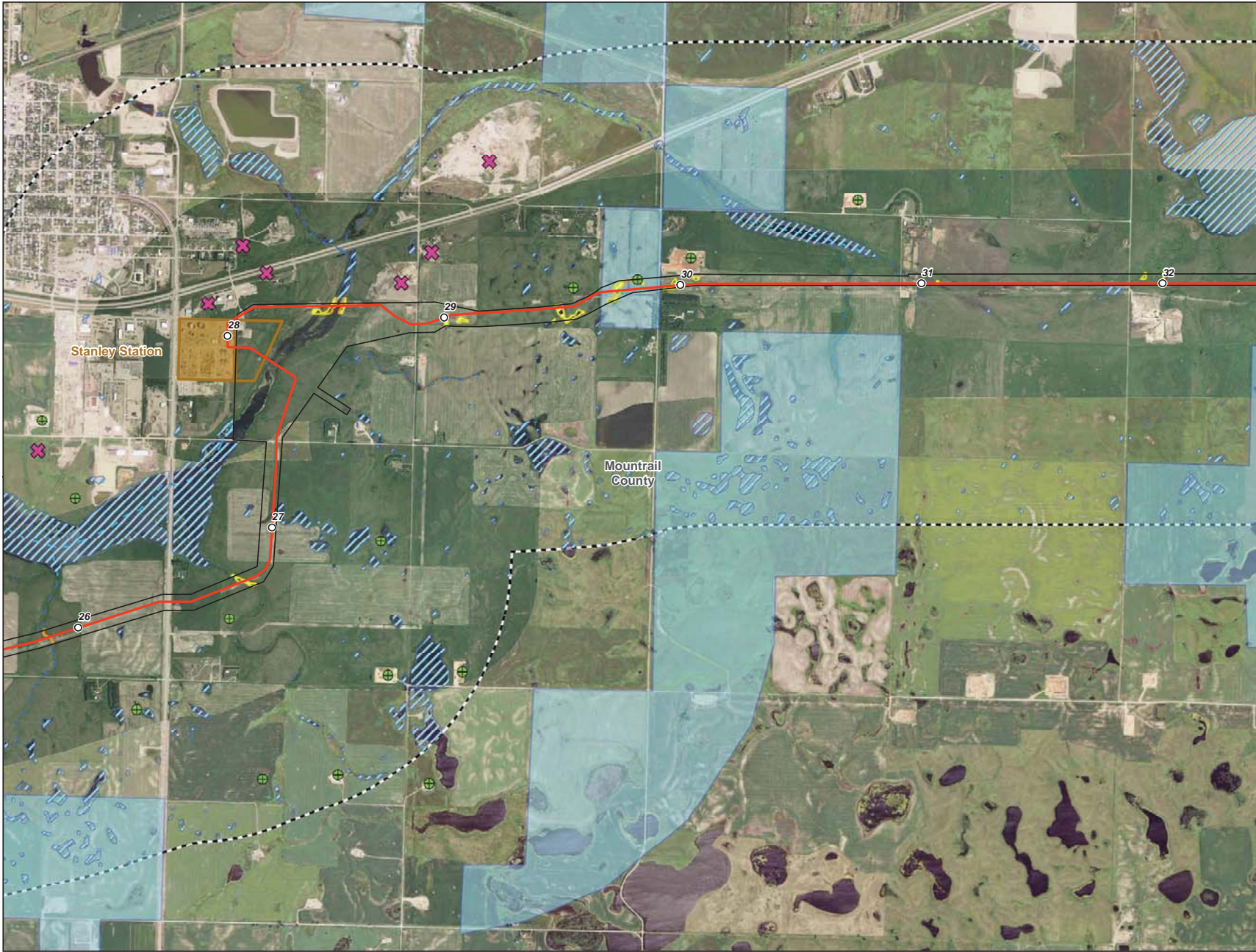
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Mountrail County



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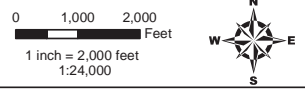
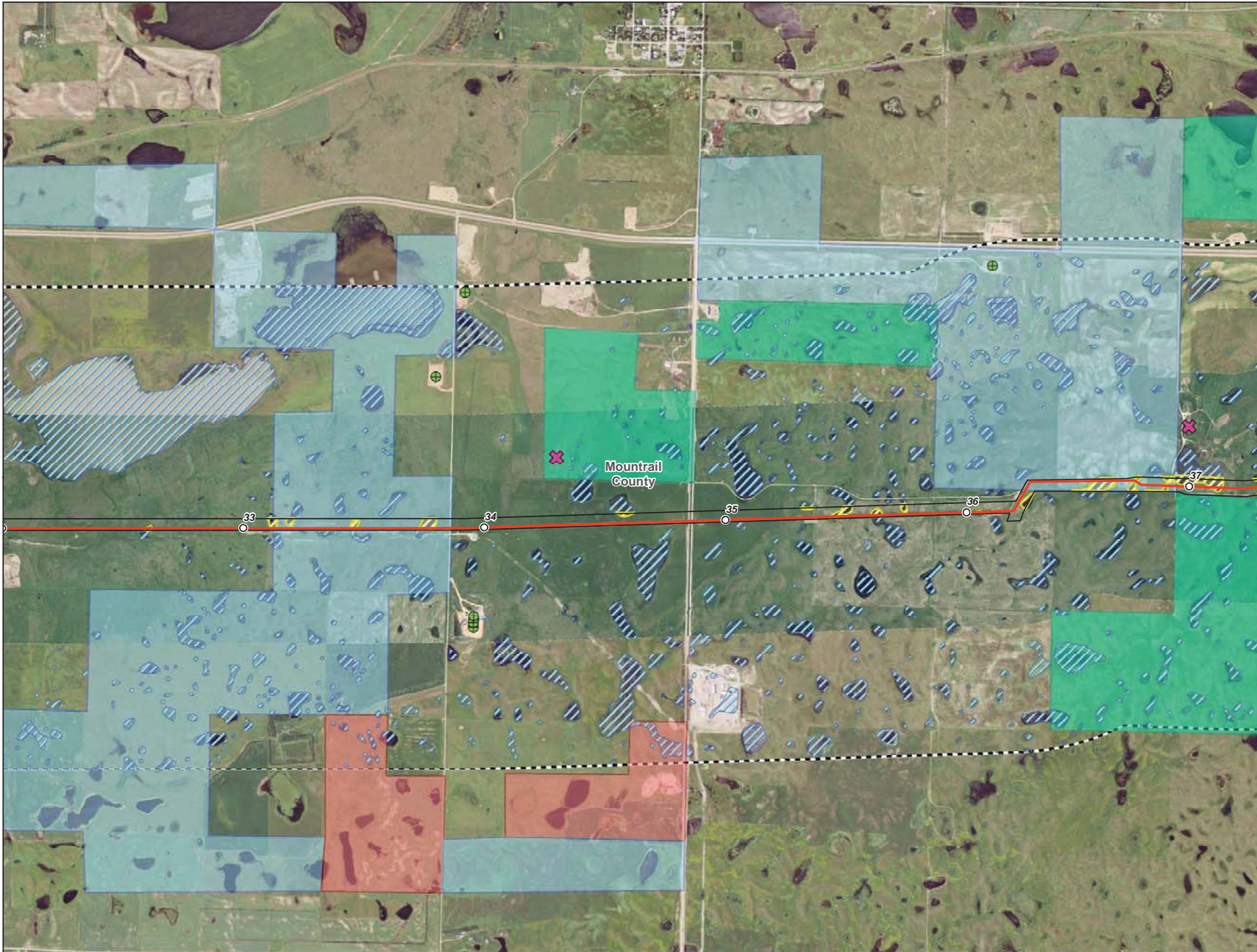
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**



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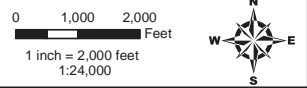
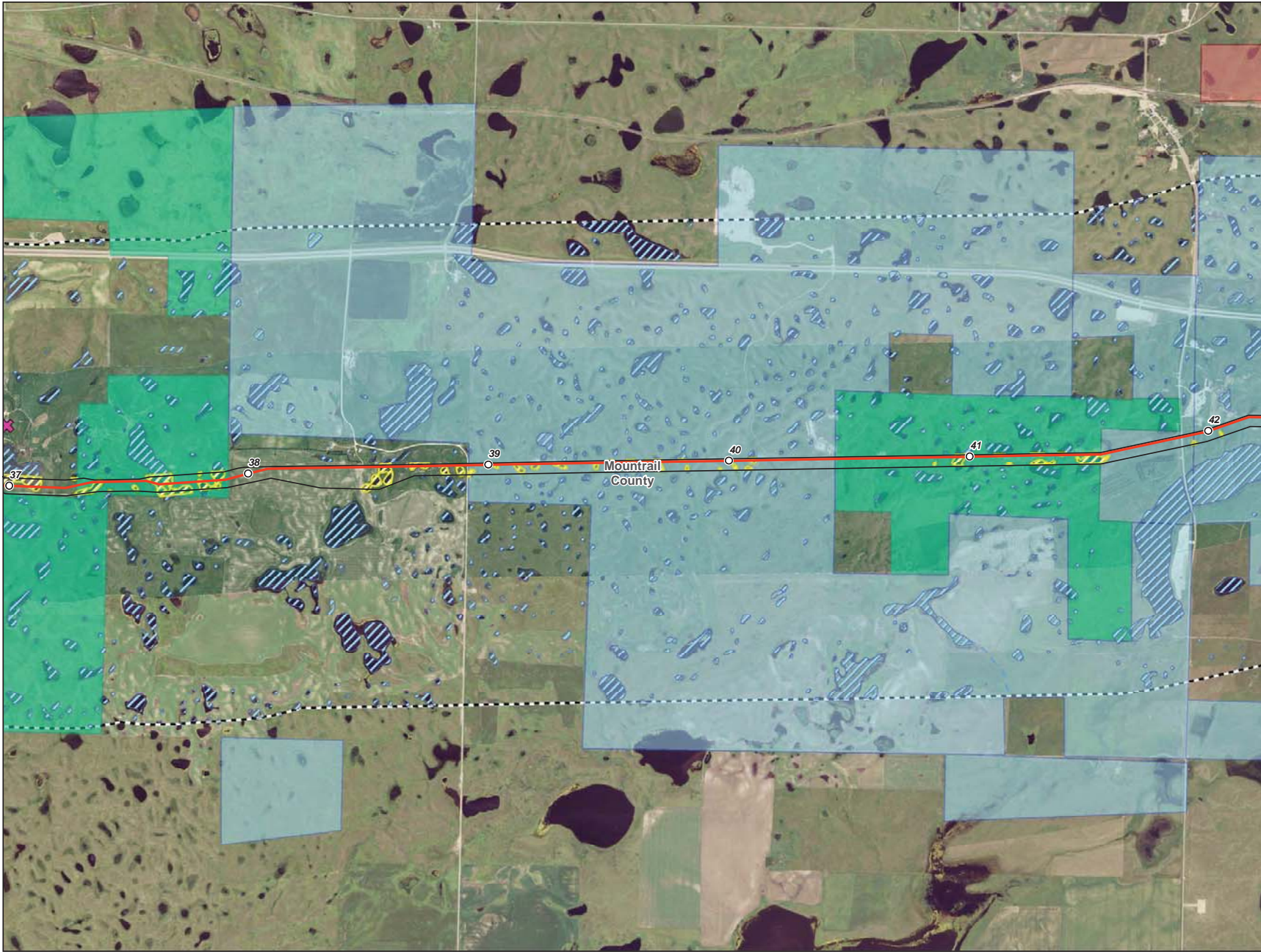
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Mountrail County





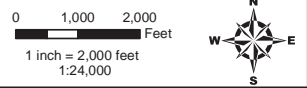
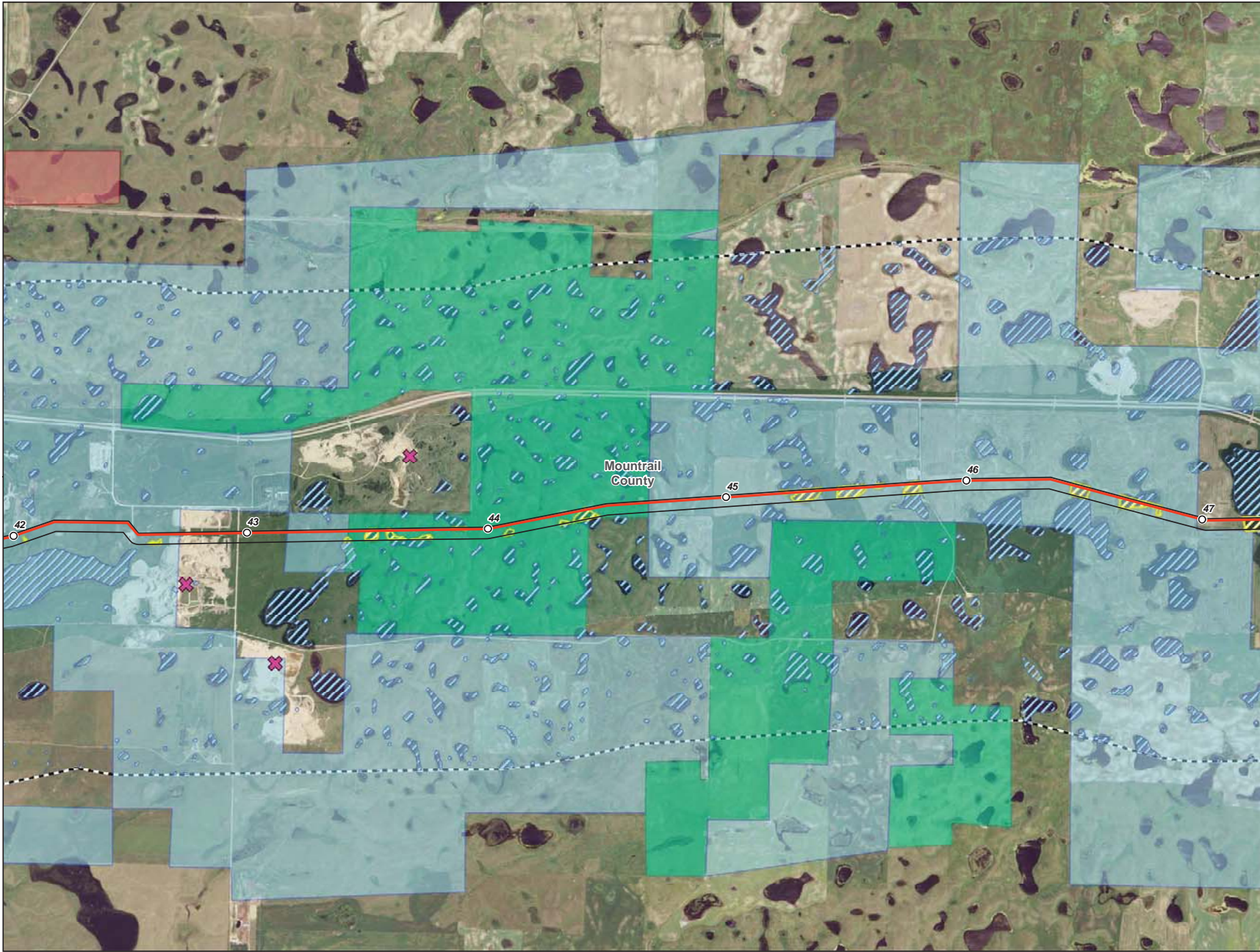
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Mountrail County





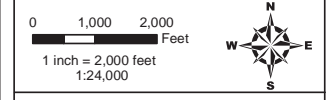
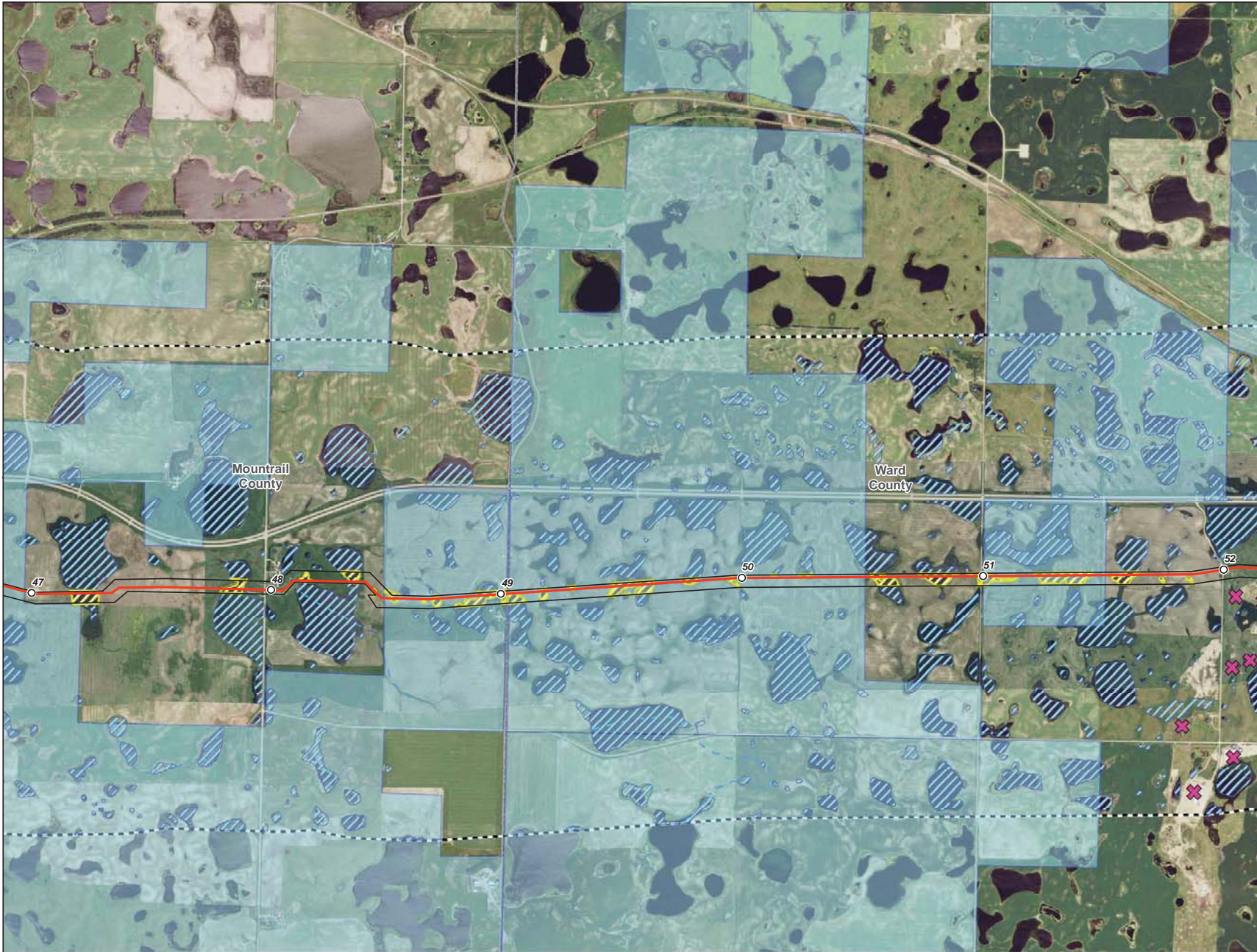
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**Enbridge Pipelines  
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Sandpiper Pipeline Project**

**Other Criteria Considered**

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Mountrail County





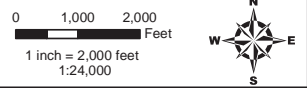
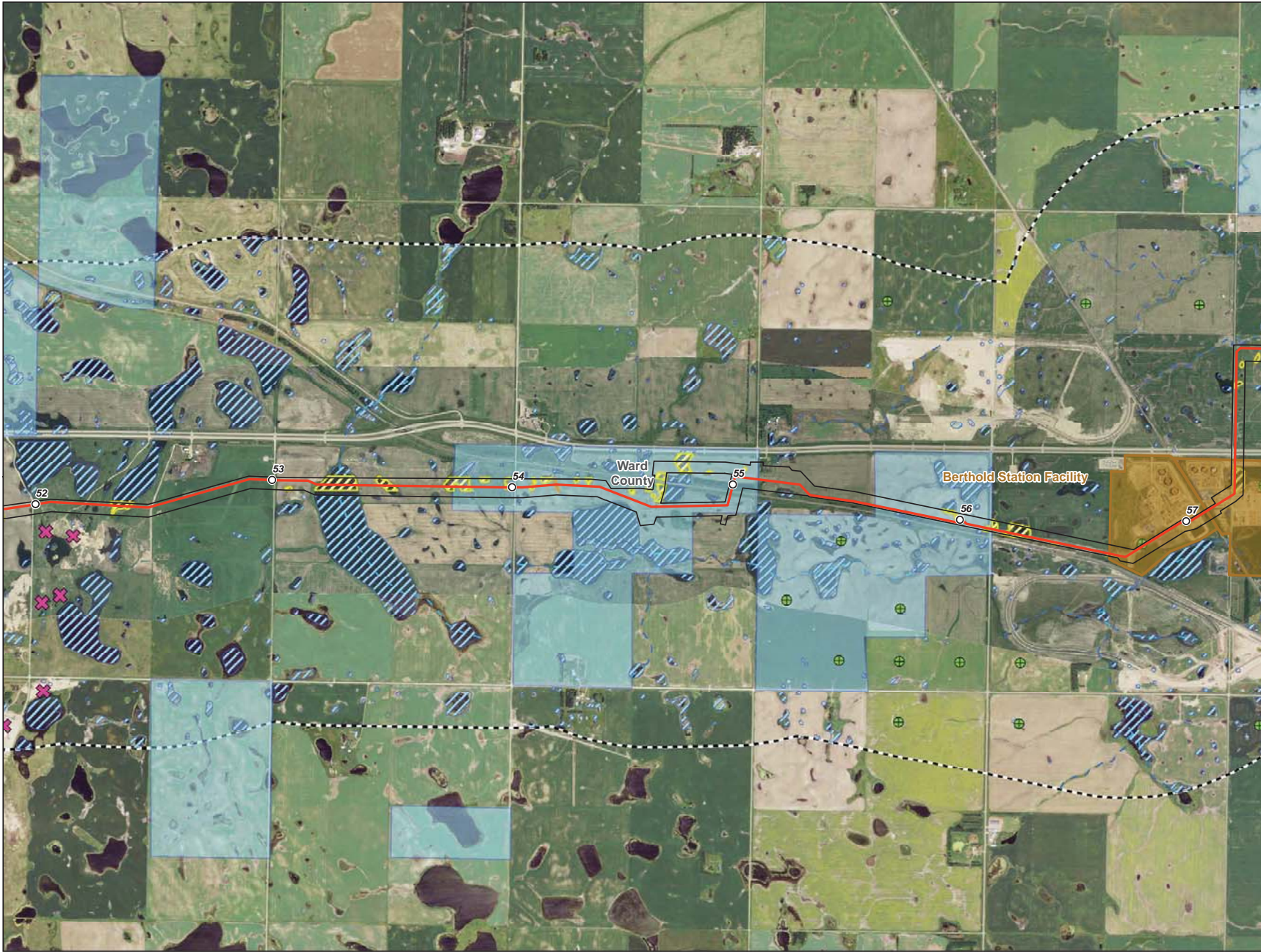
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**Enbridge Pipelines  
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Sandpiper Pipeline Project**

**Other Criteria Considered**



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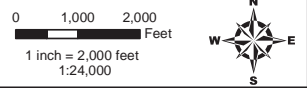
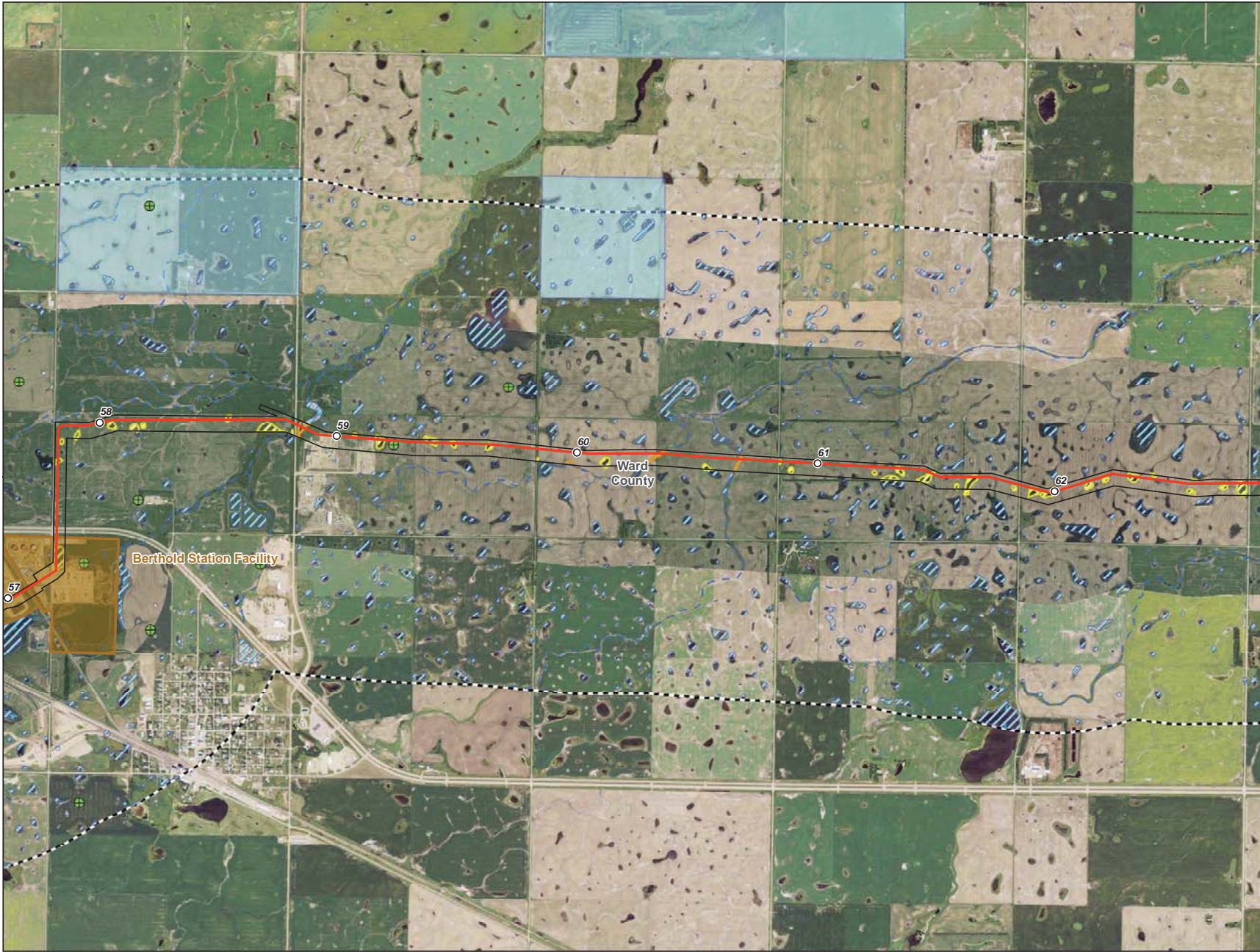
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- USFWS Easement**
- ▨ Grassland
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ward County





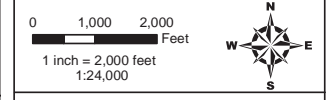
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Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ward County





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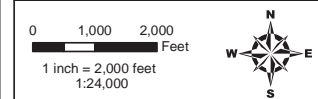
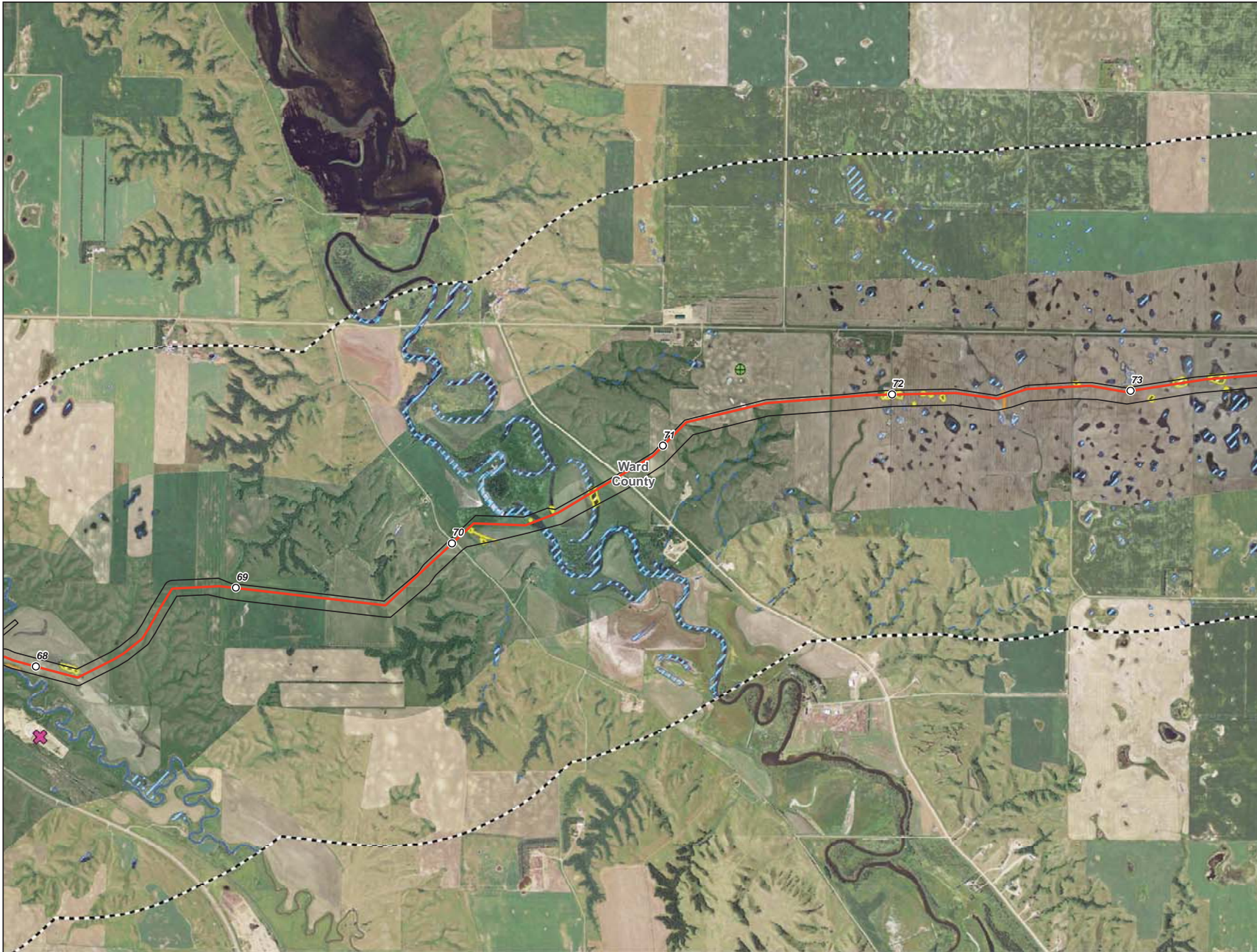
## Enbridge Pipelines (North Dakota) LLC Sandpiper Pipeline Project

### Other Criteria Considered

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Ward County



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**Enbridge Pipelines  
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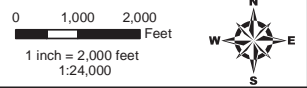
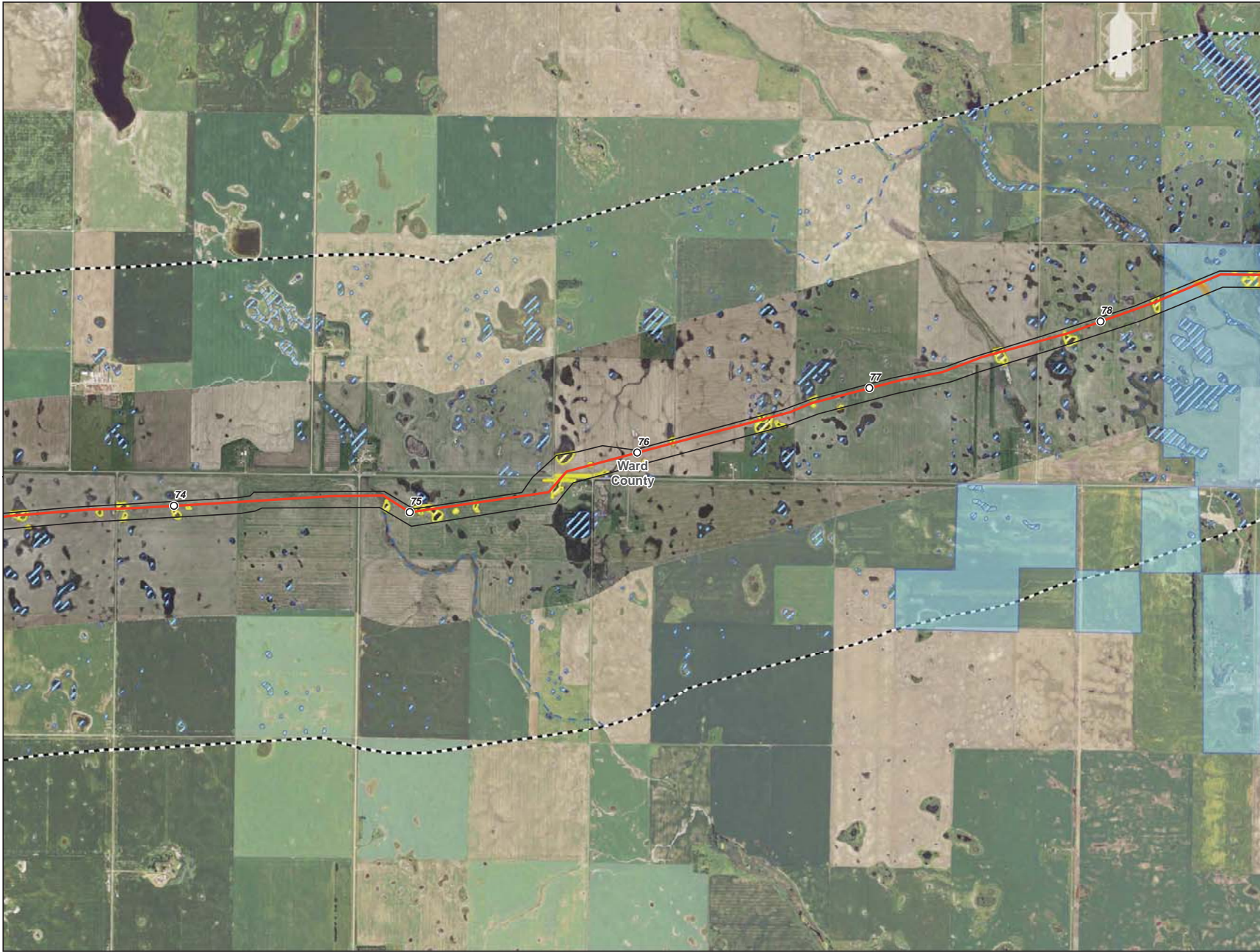
**Other Criteria Considered**

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Ward County

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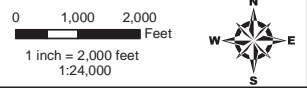
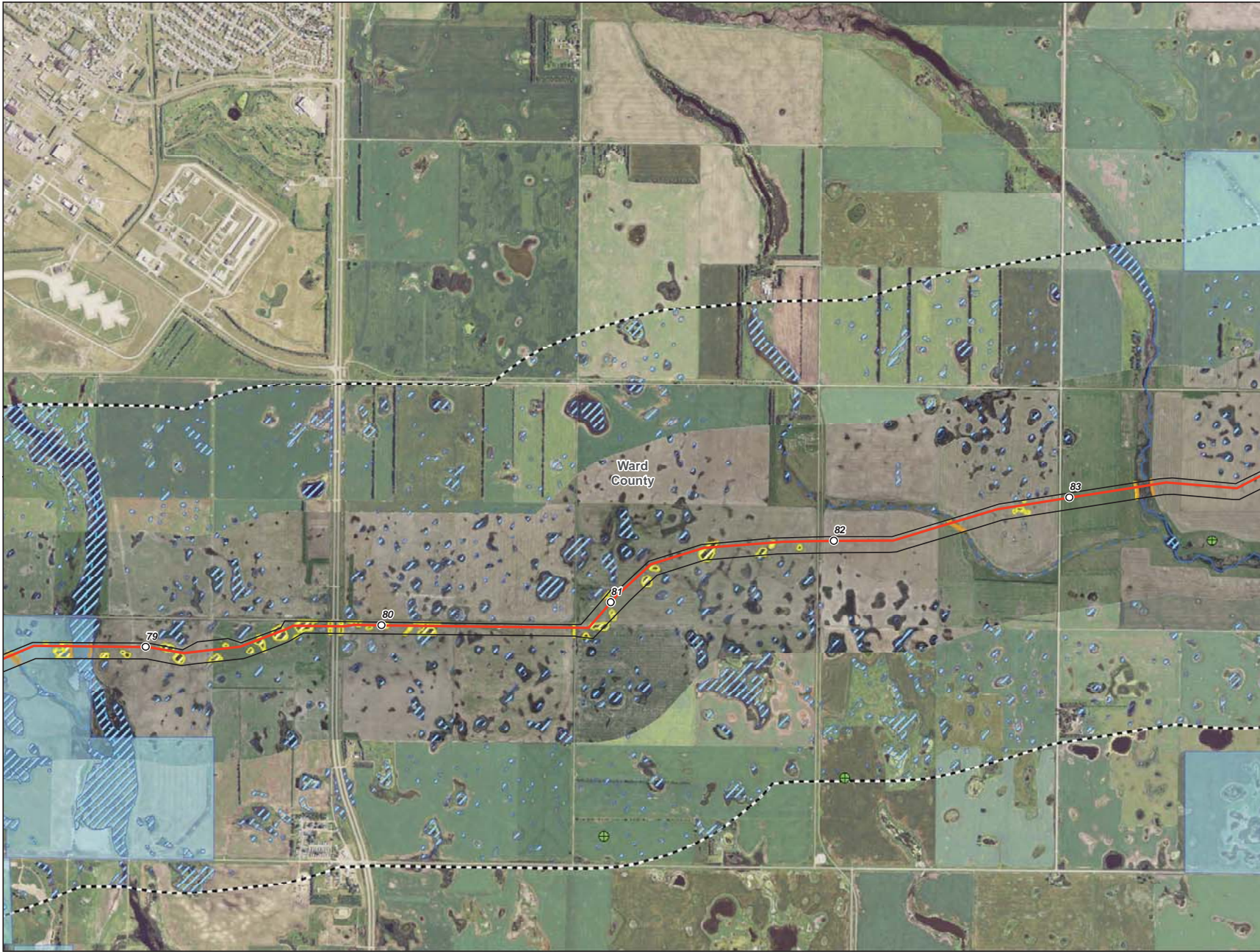
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ward County





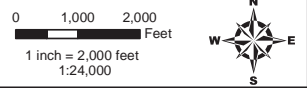
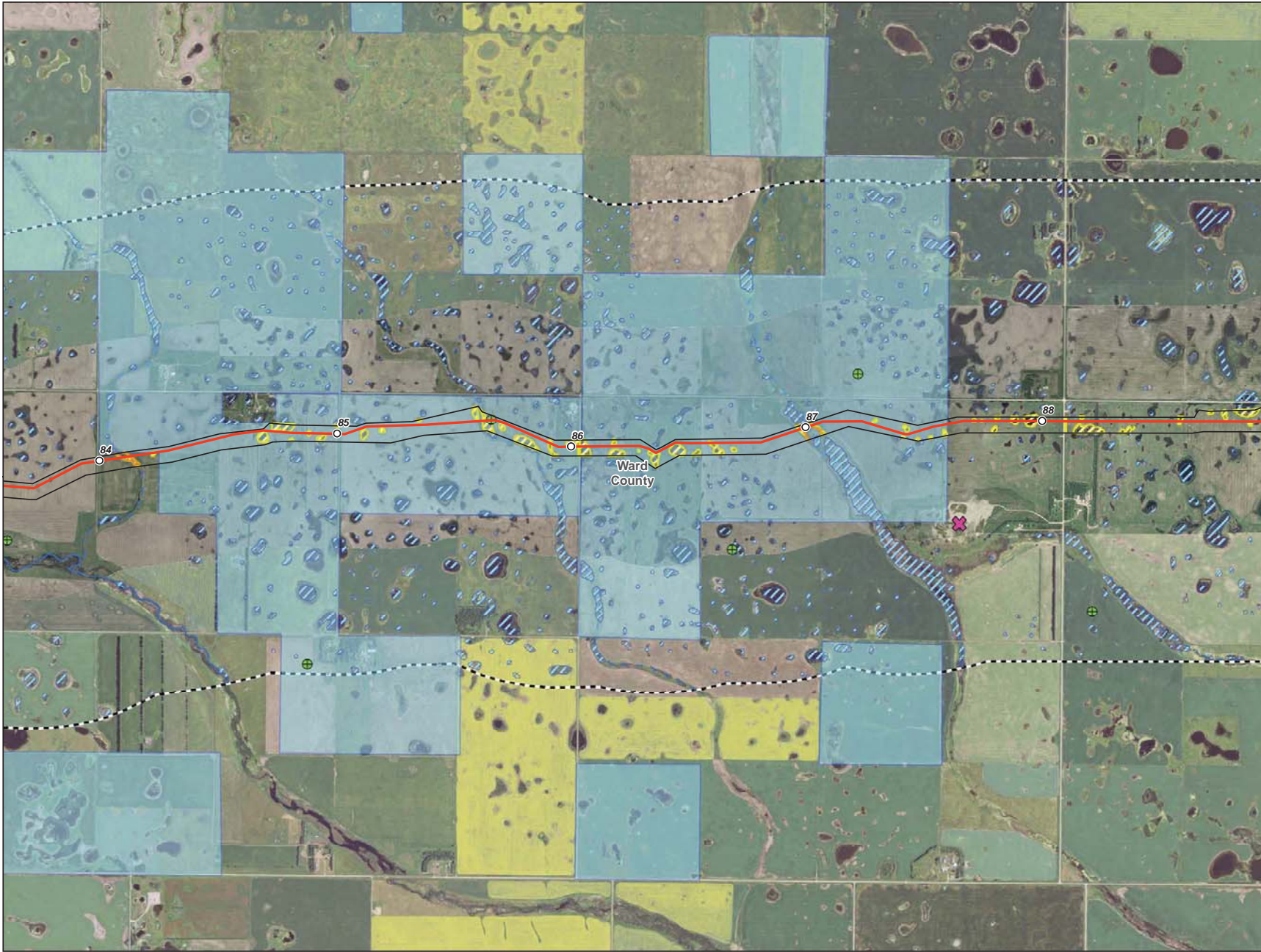
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ward County





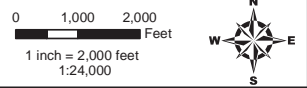
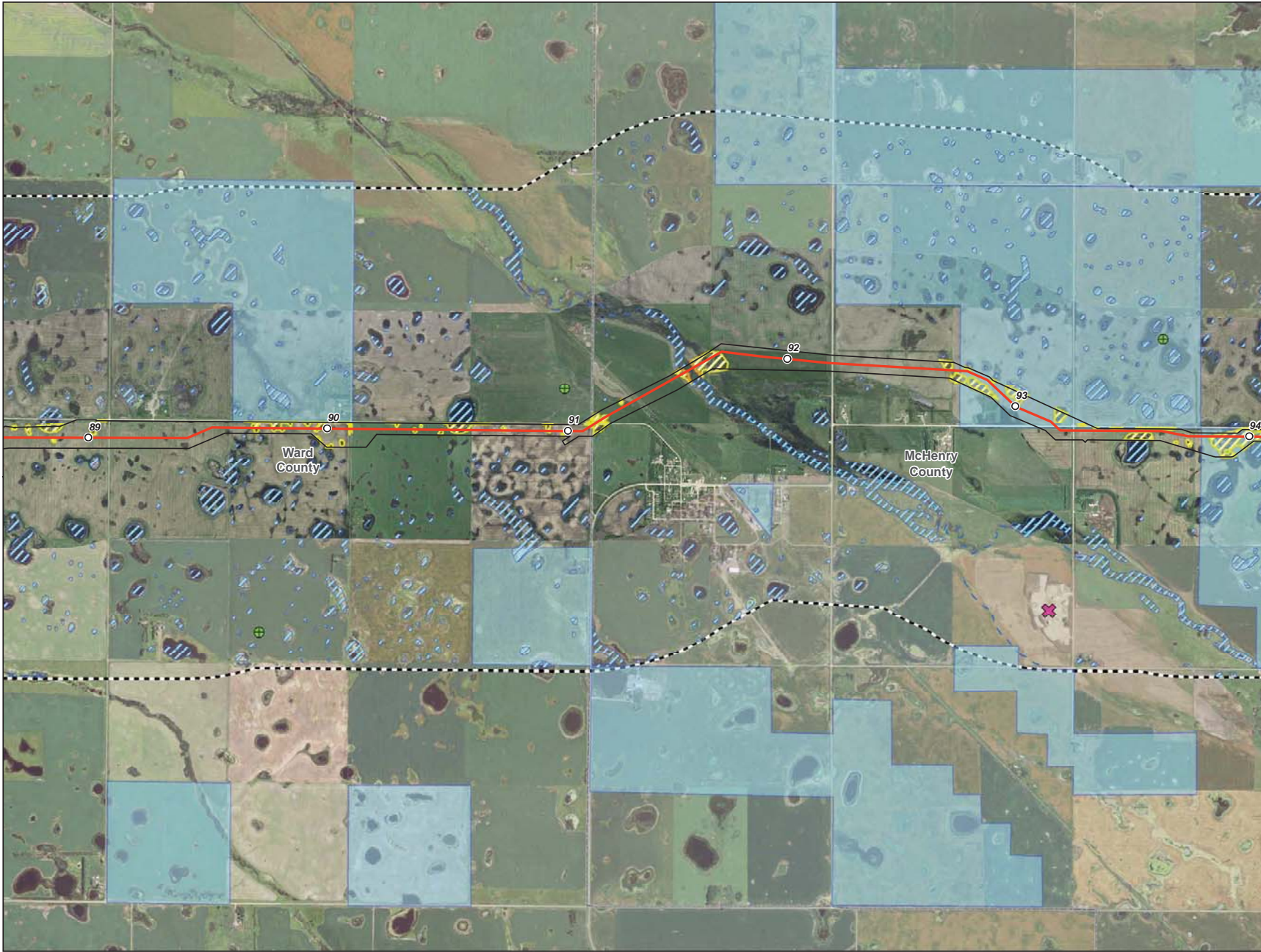
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**Enbridge Pipelines  
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Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ward County





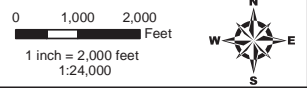
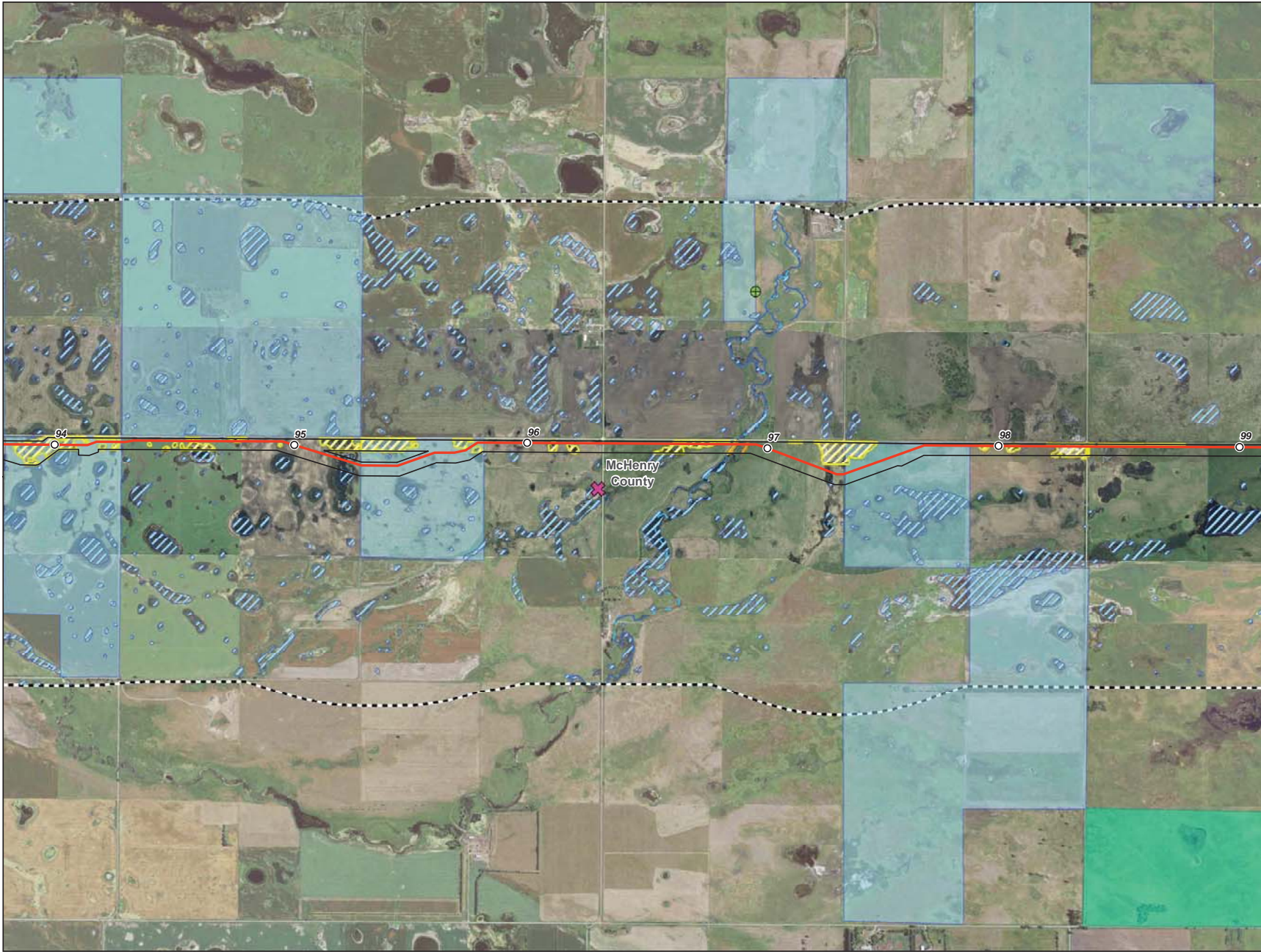
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ward County





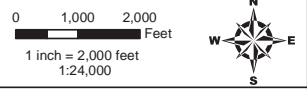
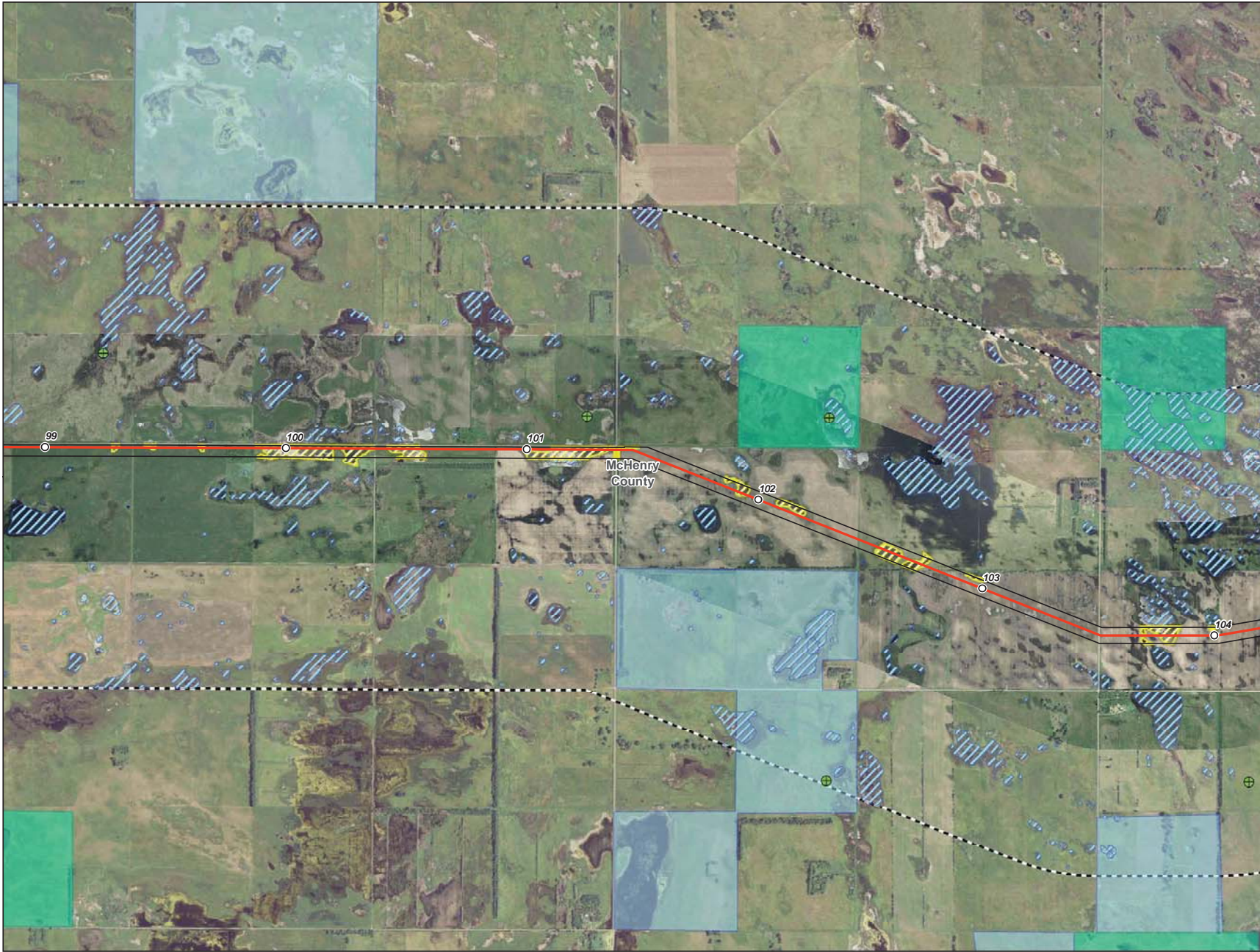
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**Enbridge Pipelines  
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**Other Criteria Considered**

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McHenry County





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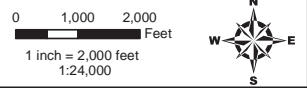
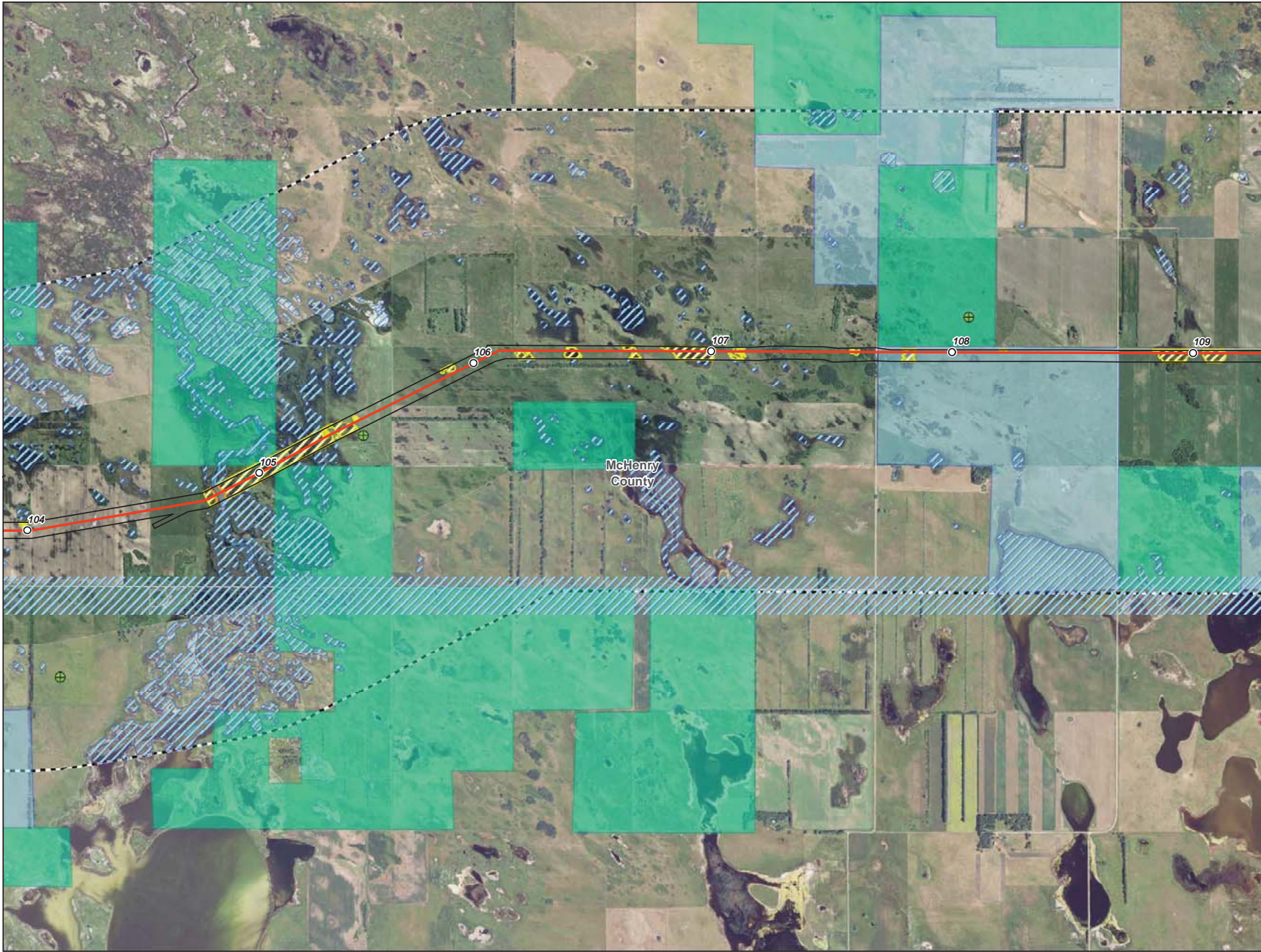
**Enbridge Pipelines  
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Sandpiper Pipeline Project**

**Other Criteria Considered**

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McHenry County



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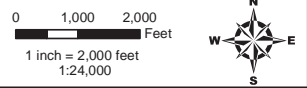
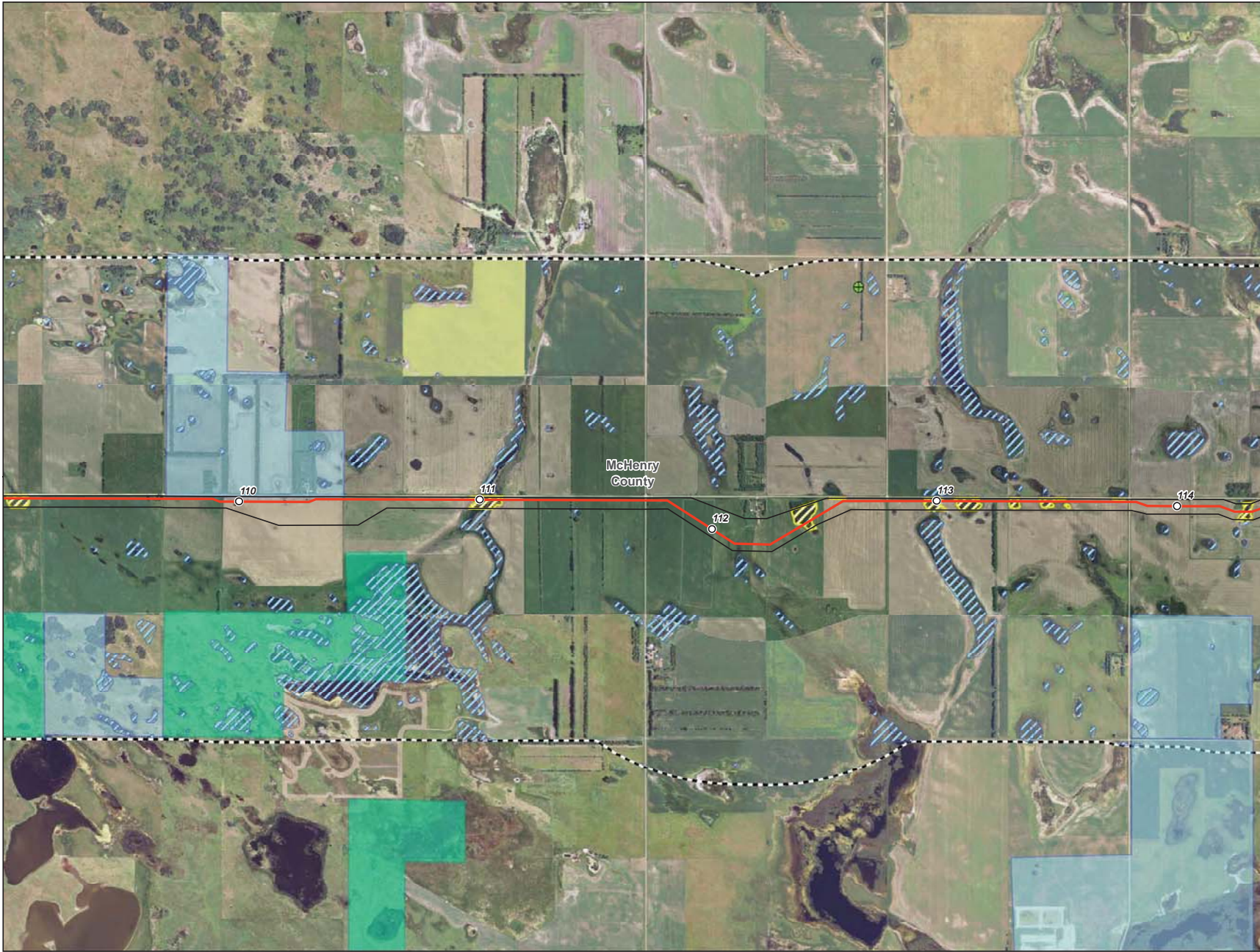
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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McHenry County





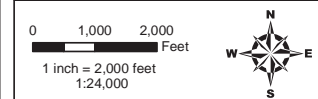
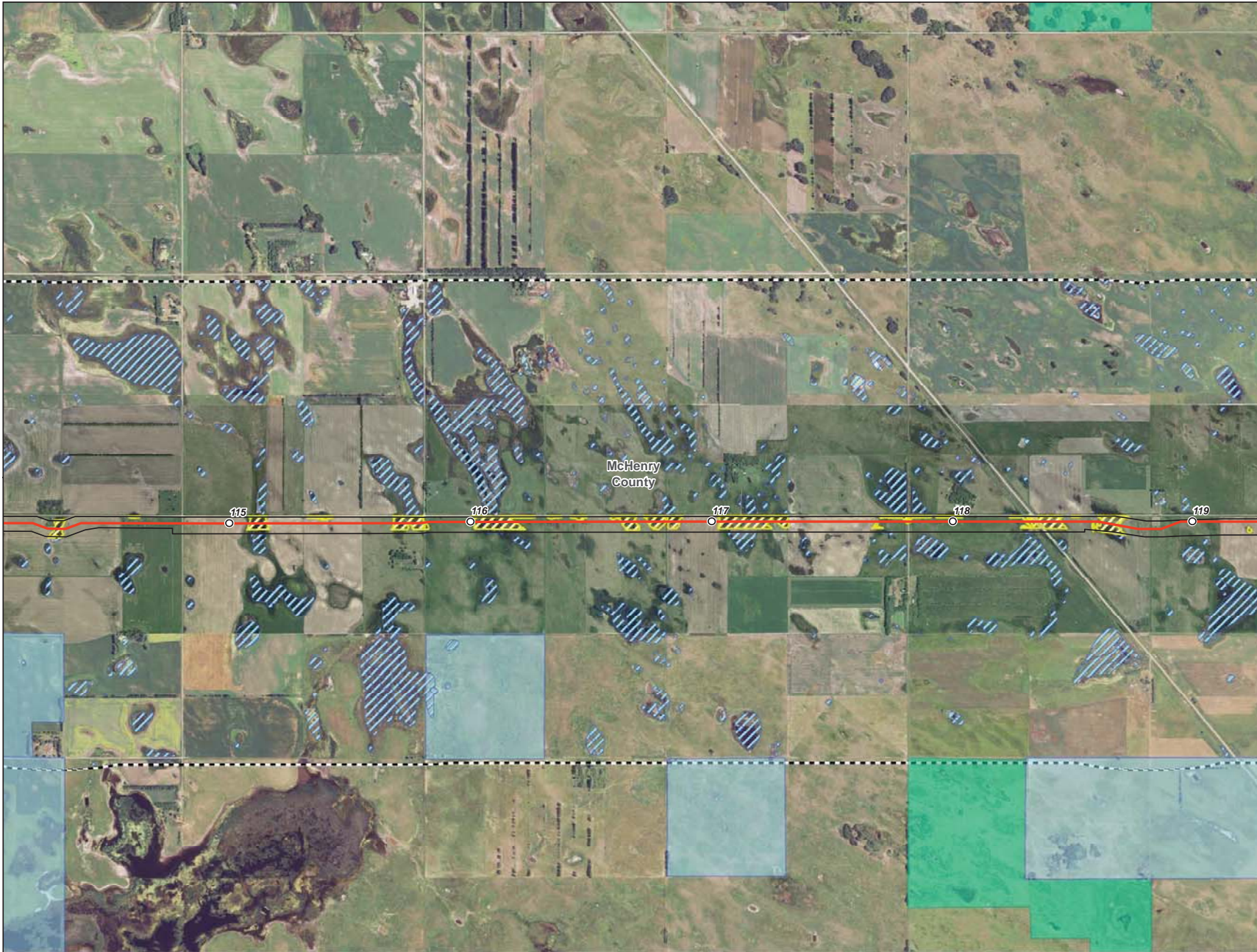
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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McHenry County





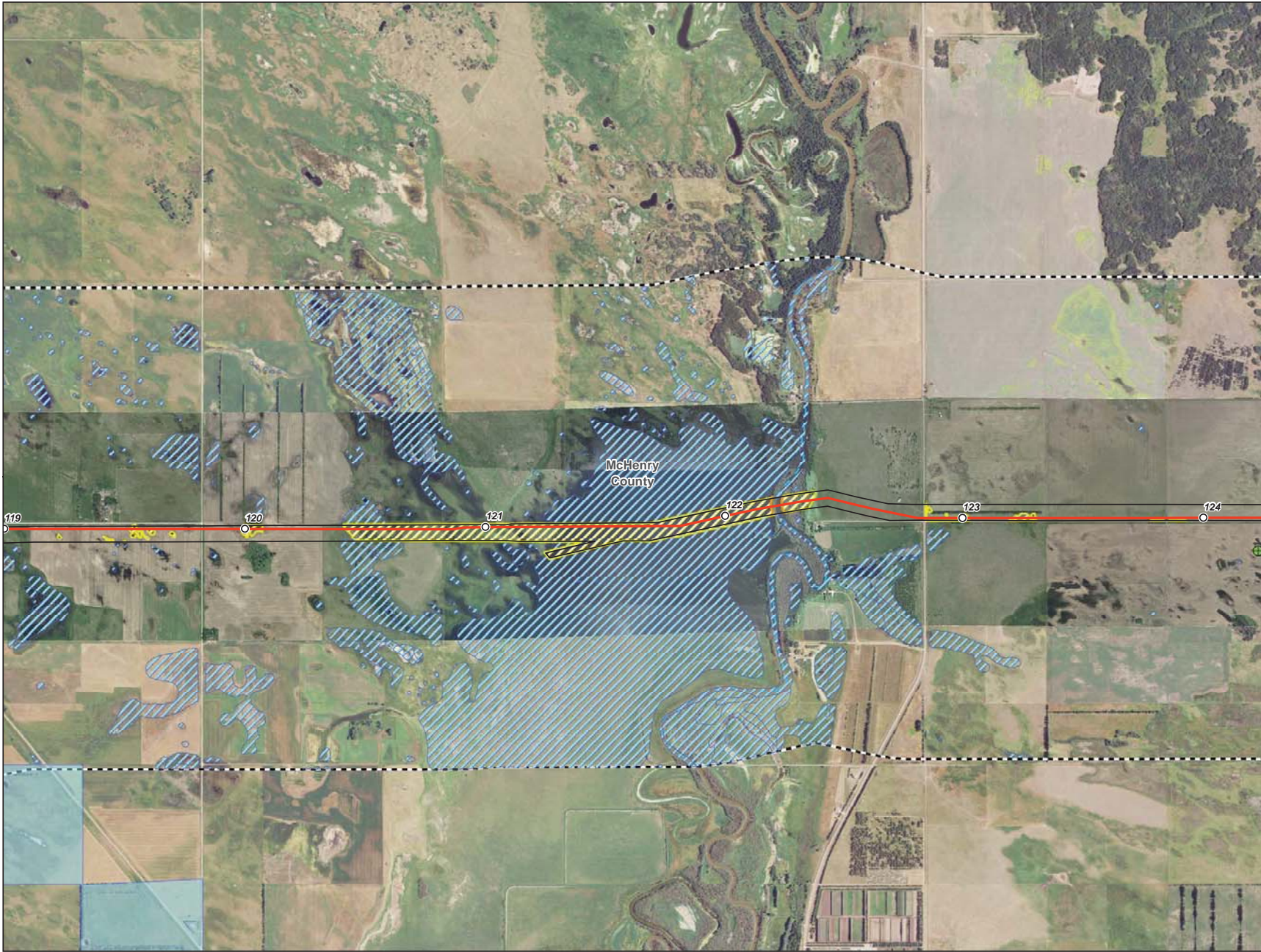
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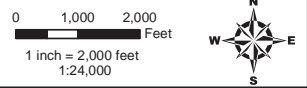
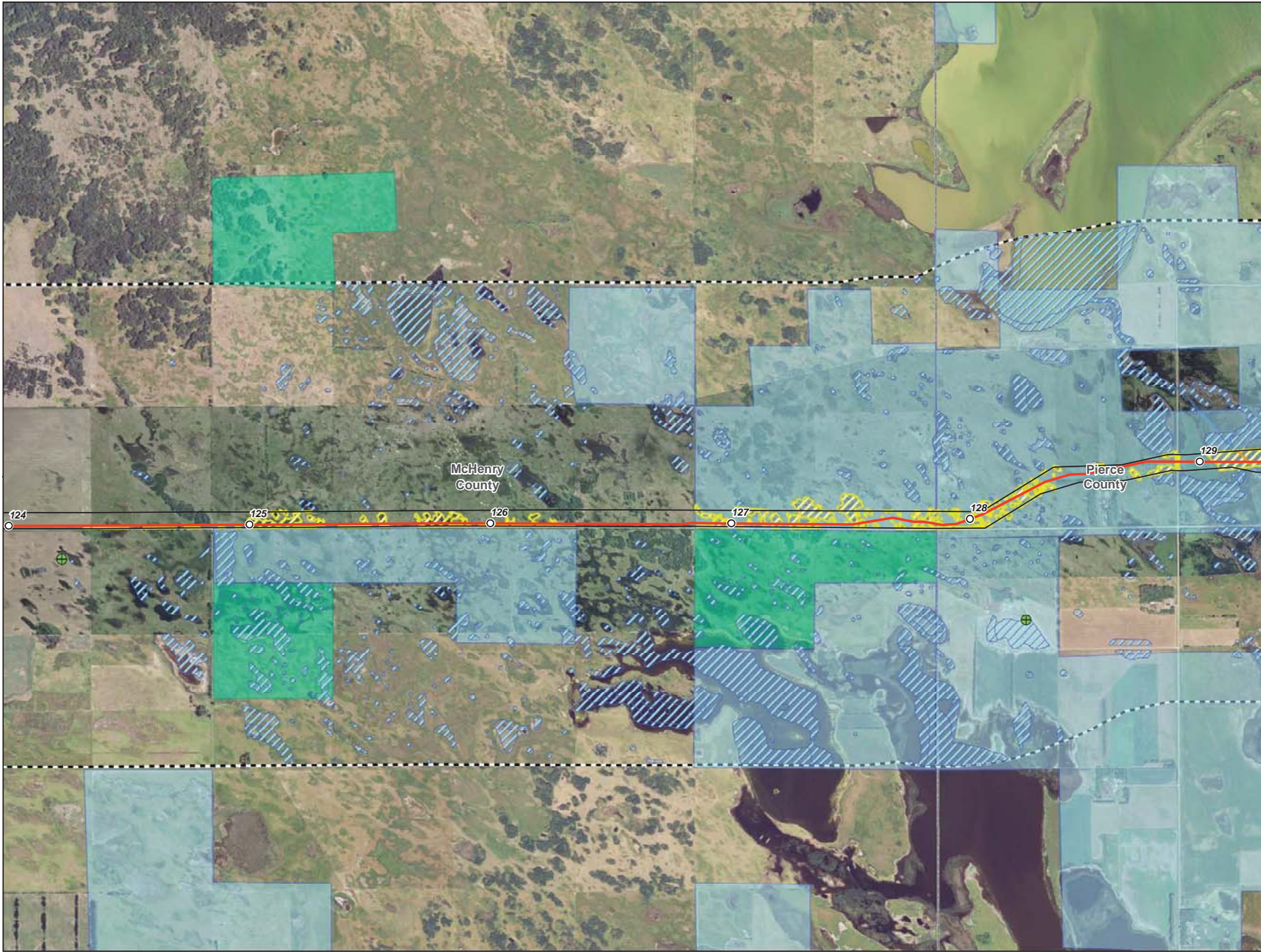
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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McHenry County





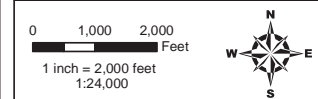
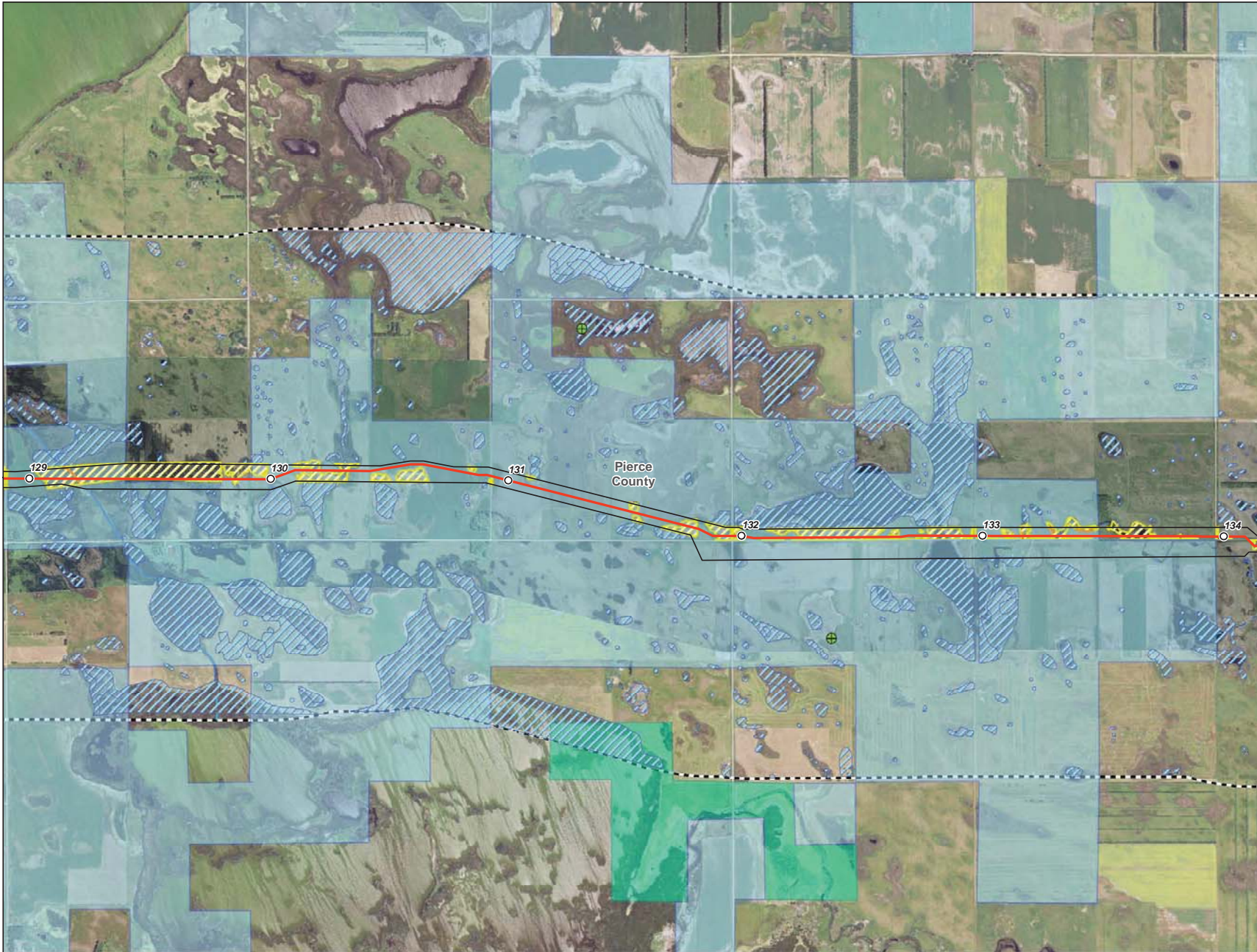
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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McHenry County





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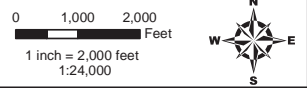
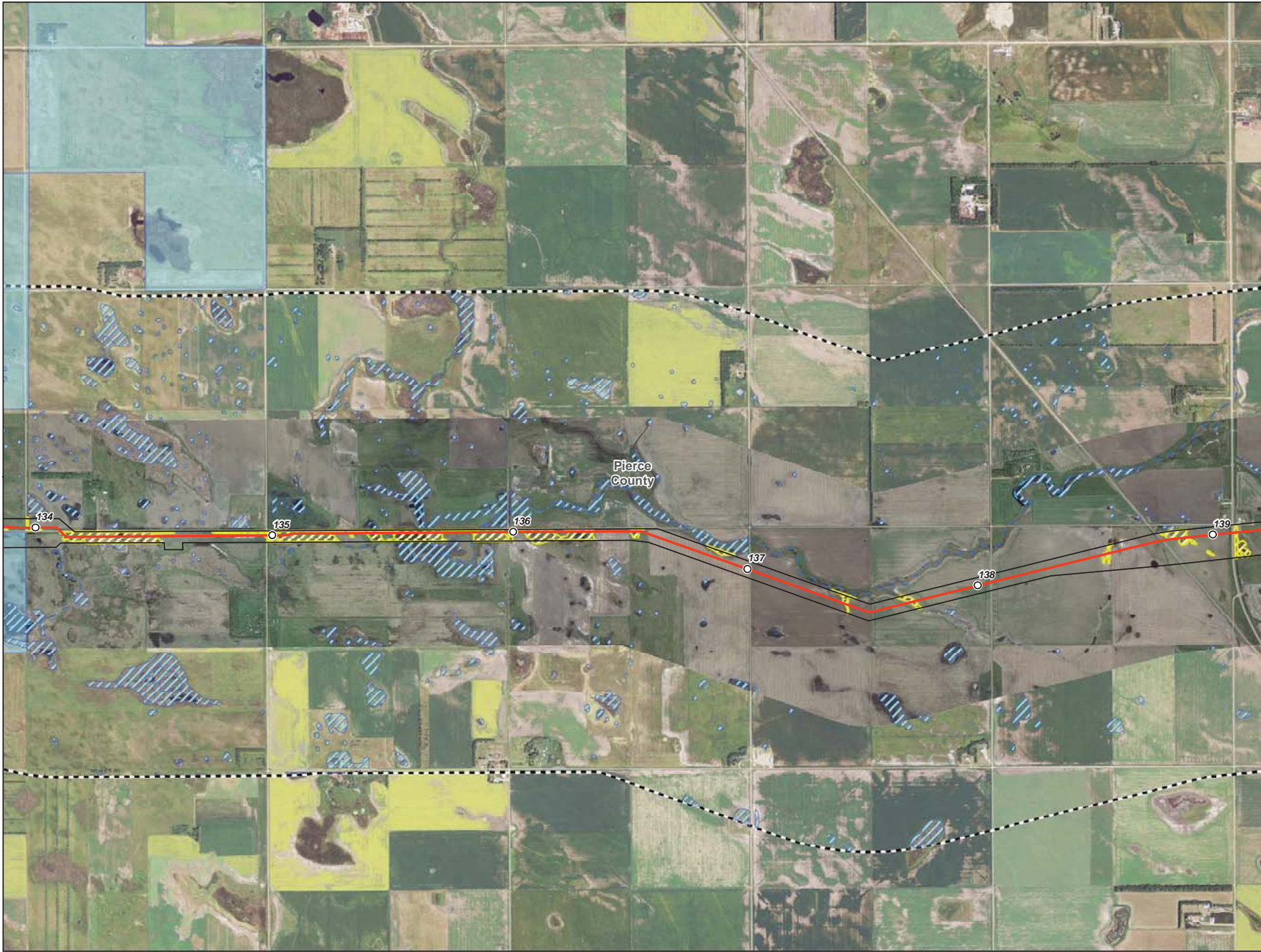
**Enbridge Pipelines  
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Sandpiper Pipeline Project**

**Other Criteria Considered**

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Pierce County



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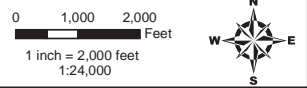
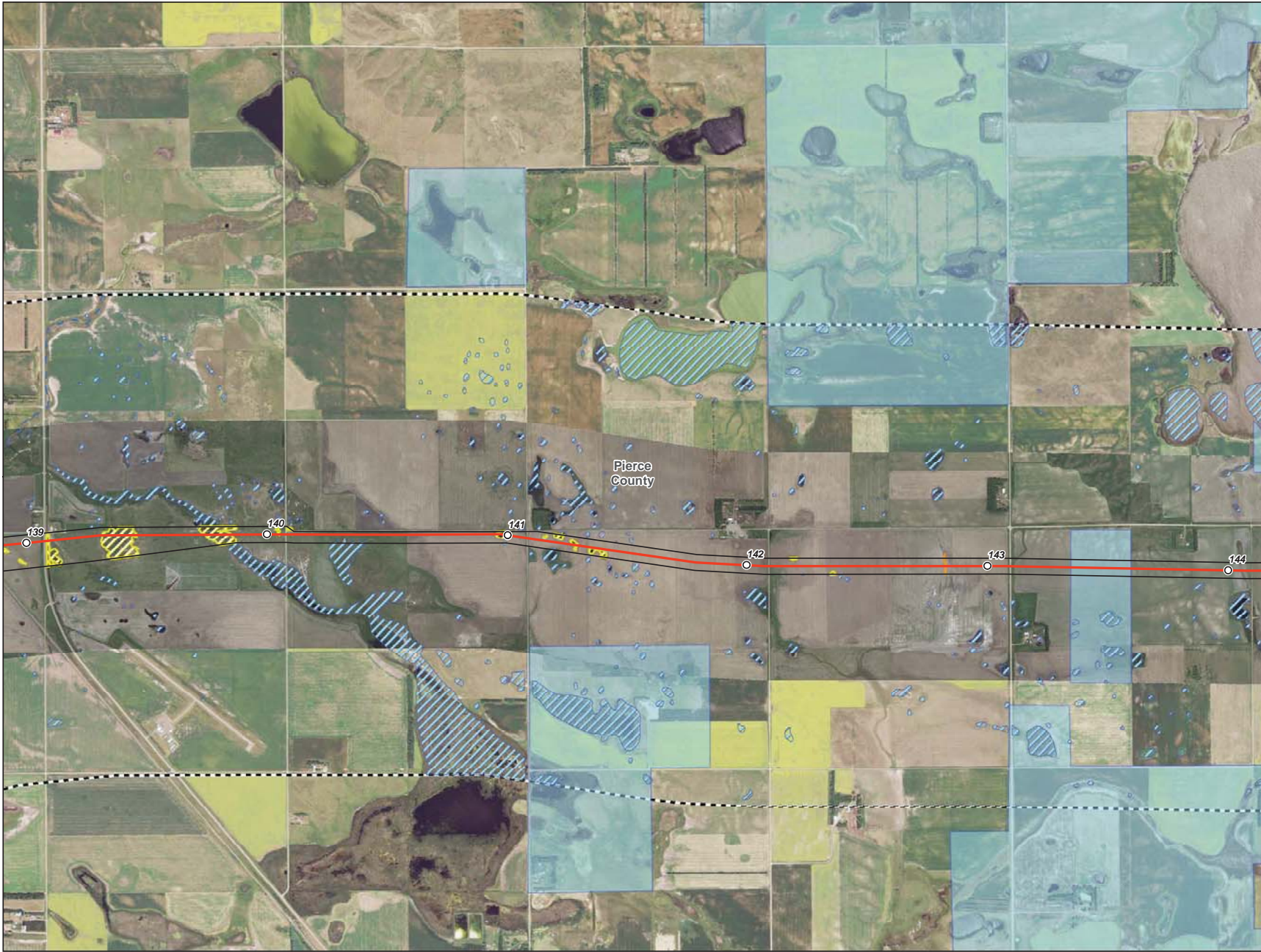
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**Enbridge Pipelines  
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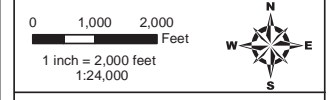
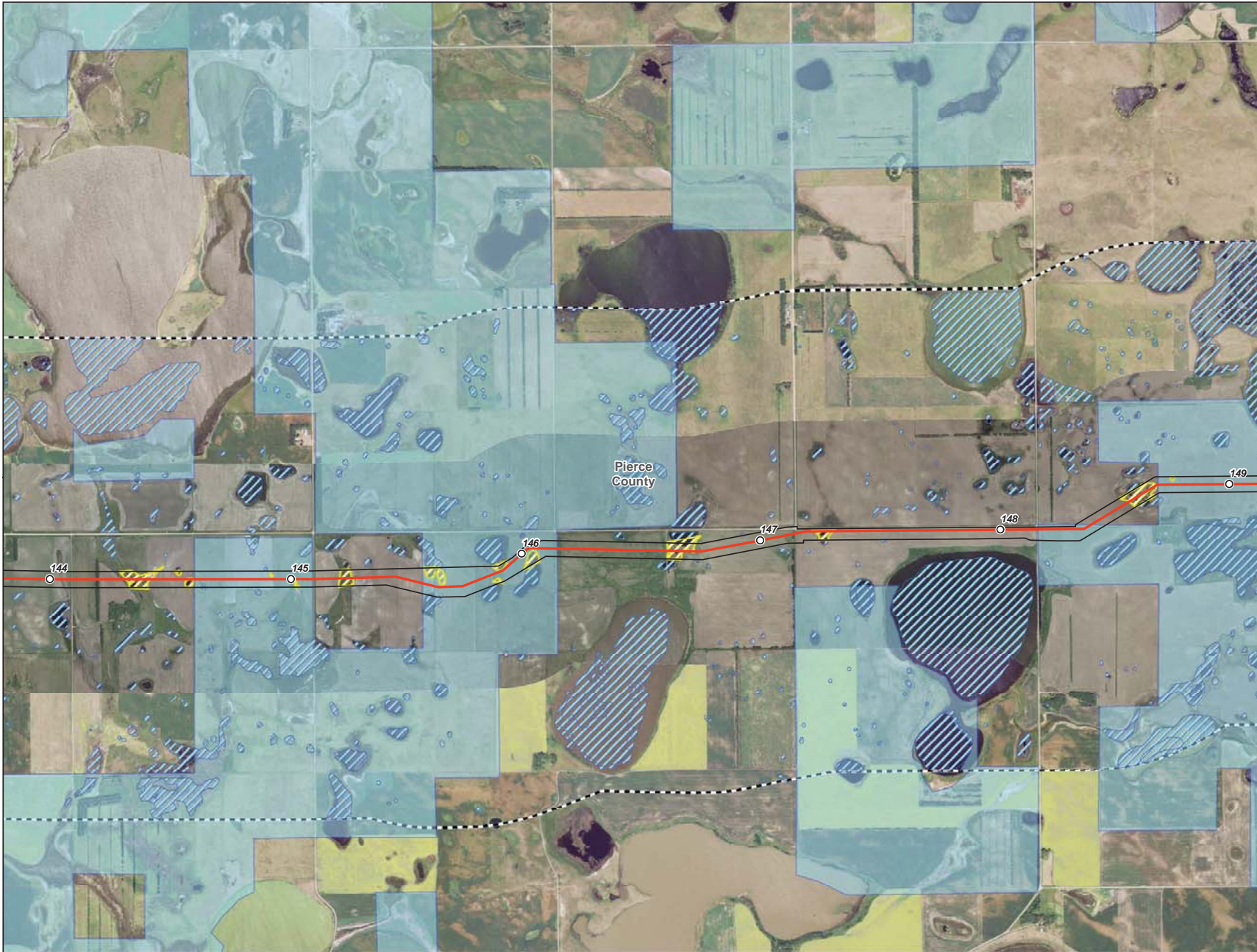
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**Enbridge Pipelines  
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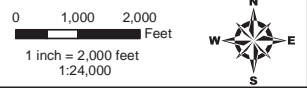
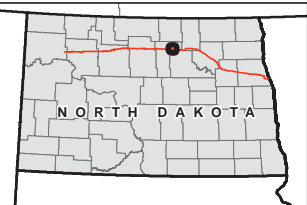
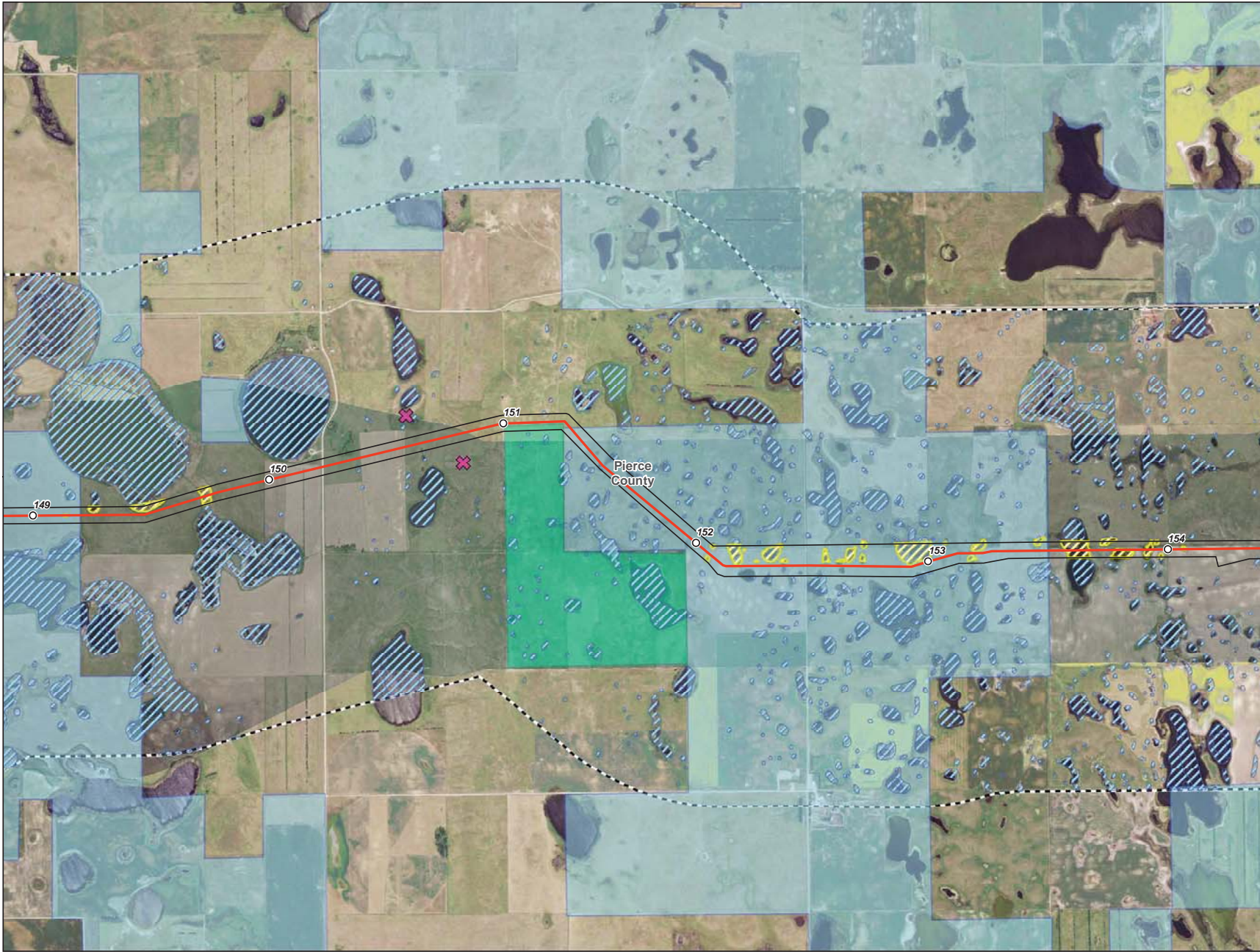
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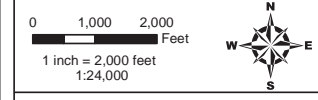
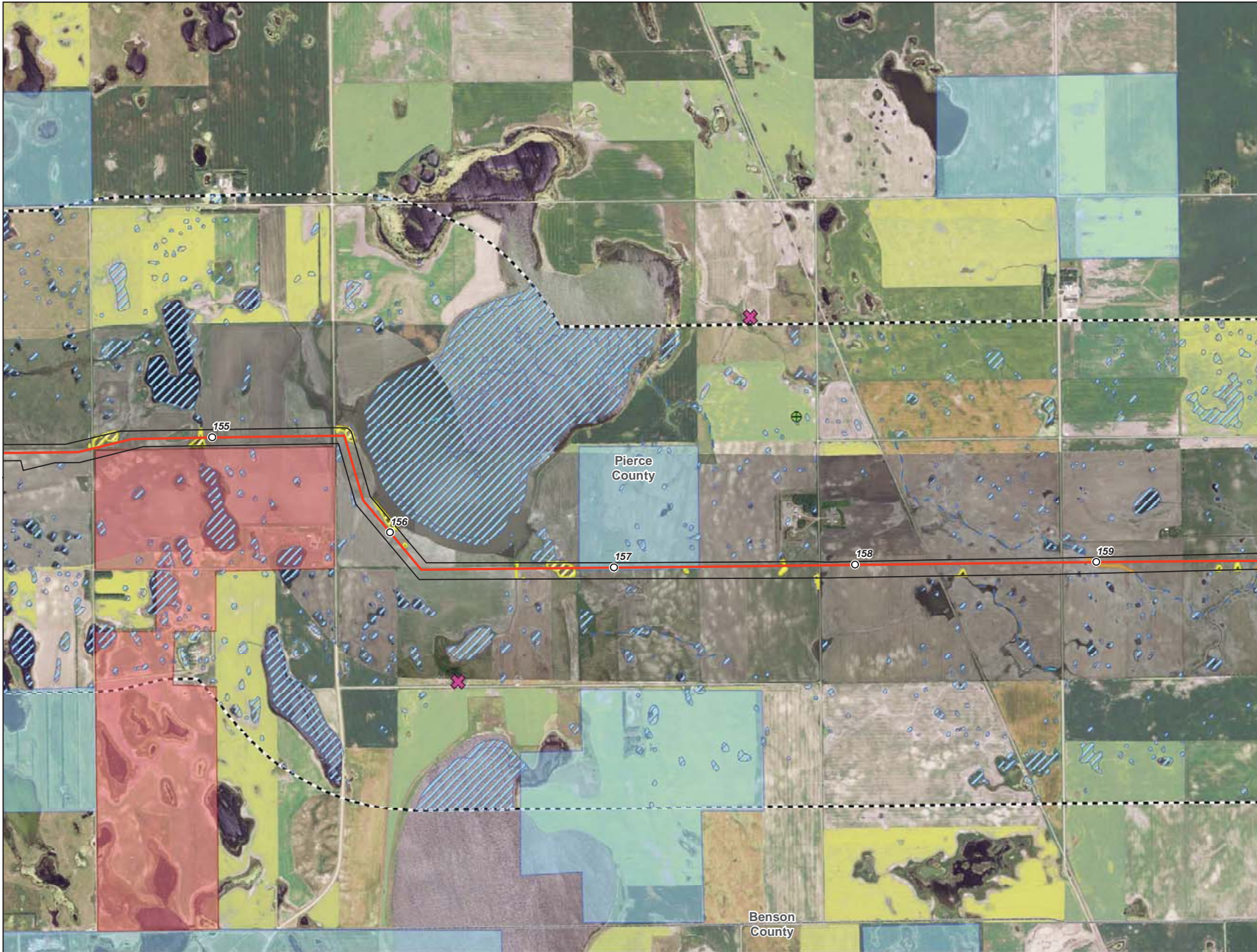
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- Centerline
- ▭ Survey Corridor
- ▭ 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- Oil and Gas Well
- ✕ Sand and Gravel Resource
- Delineated Waterbody
- ▨ Delineated Wetland
- ▨ NWI Wetland
- ▨ NCRS WRP Easement
- ▨ NDNHI Wet-mesic Tallgrass Prairie
- USGS Streams**
- Intermittent Stream
- Perennial Stream
- Ephemeral Stream
- Canal Ditch
- USFWS Easement**
- ▨ Grassland
- ▨ Wetland
- ▨ Conservation

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Pierce County





- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
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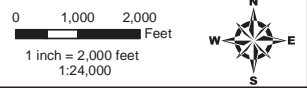
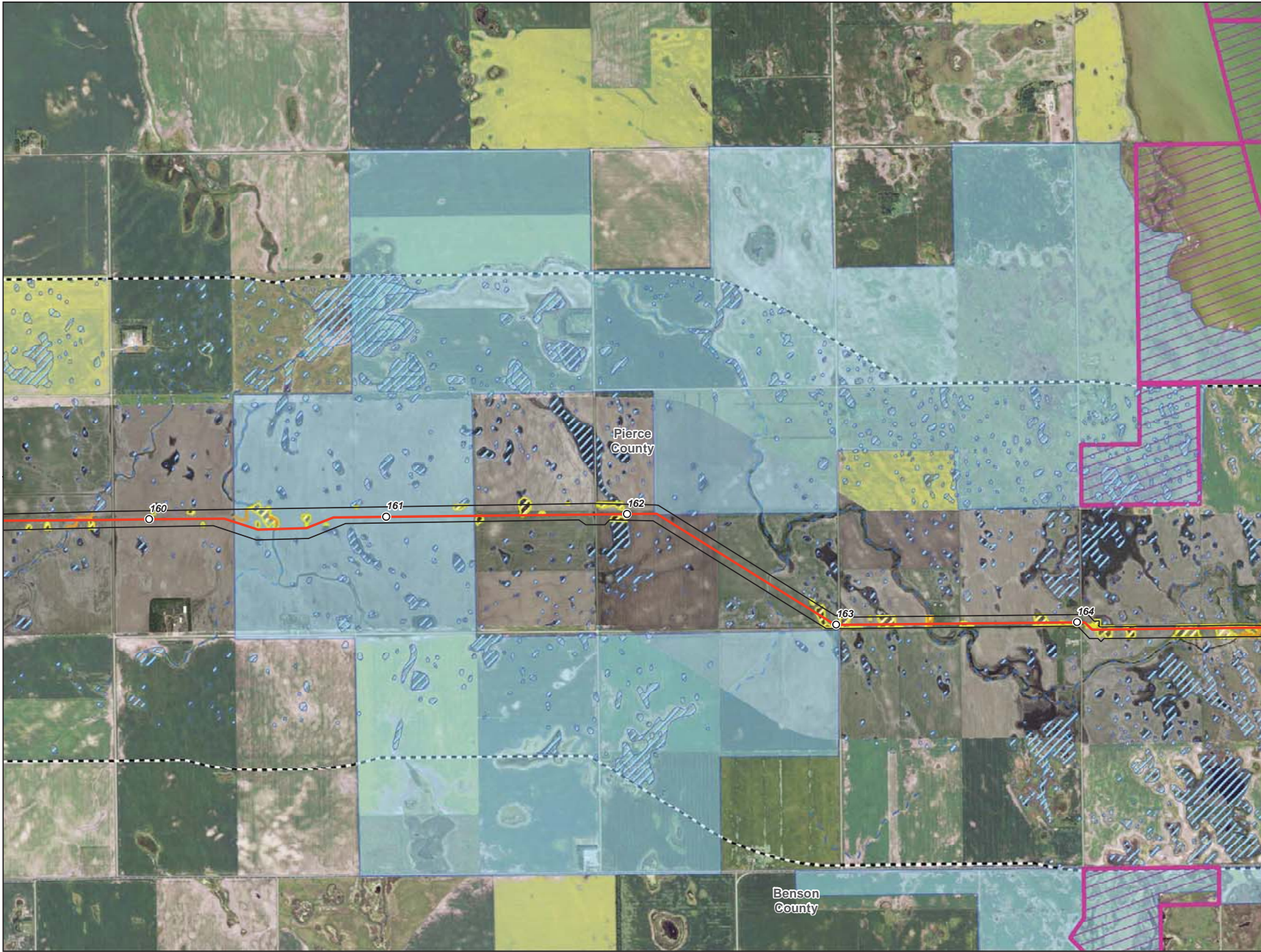
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Pierce County



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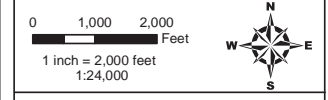
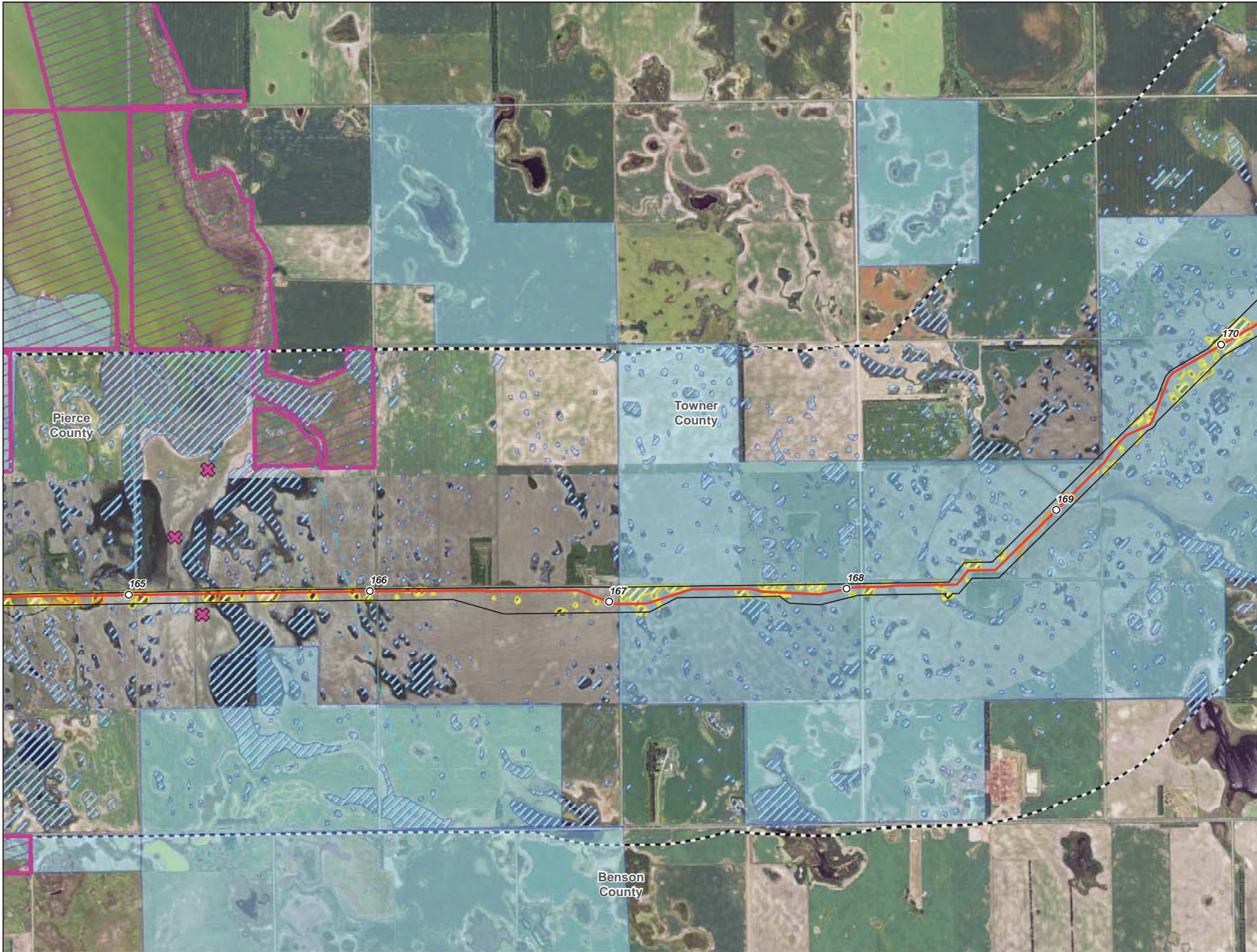
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Pierce County





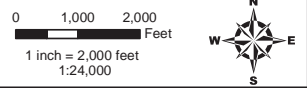
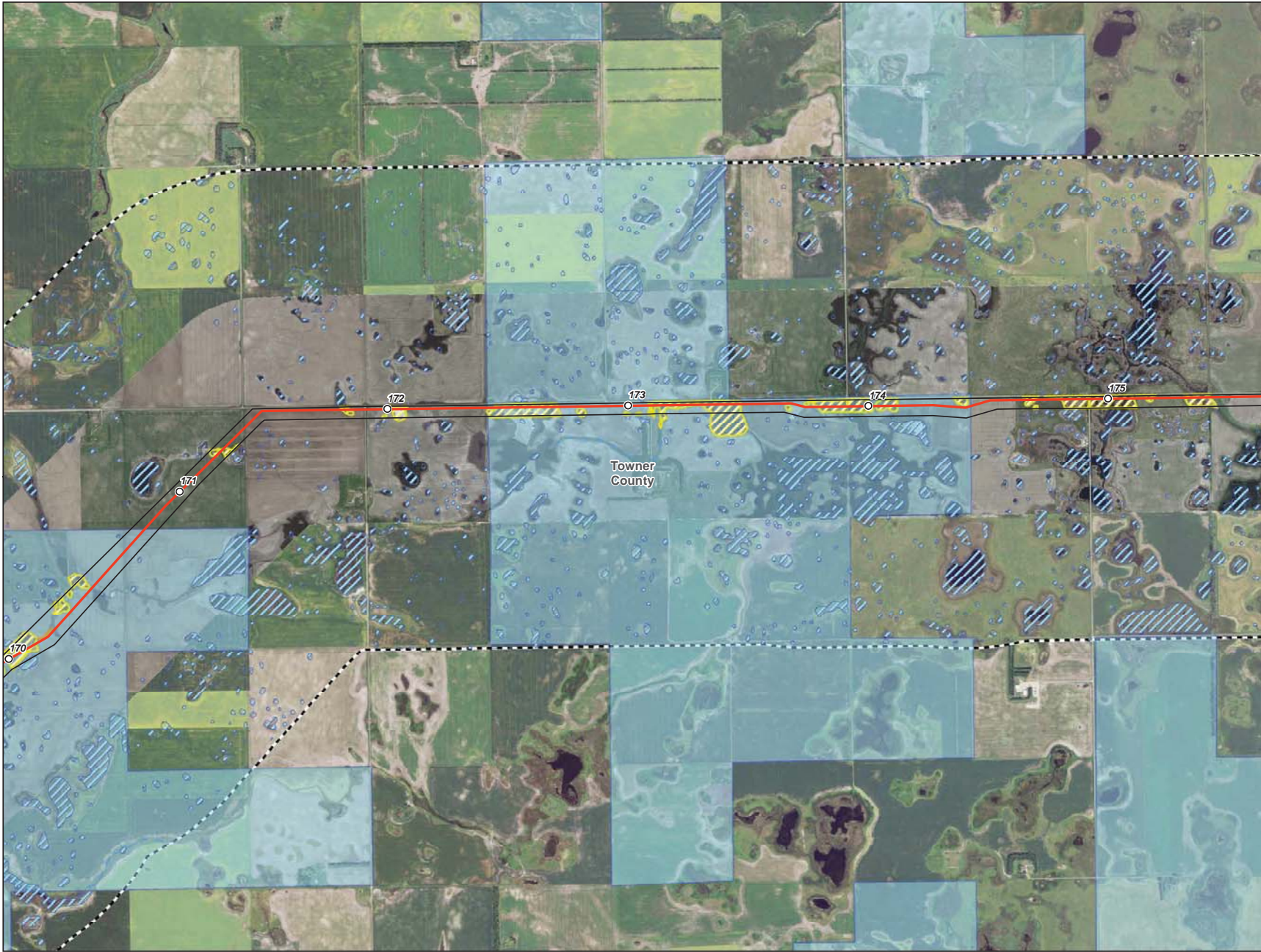
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**



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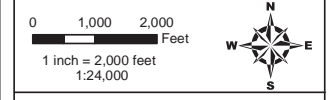
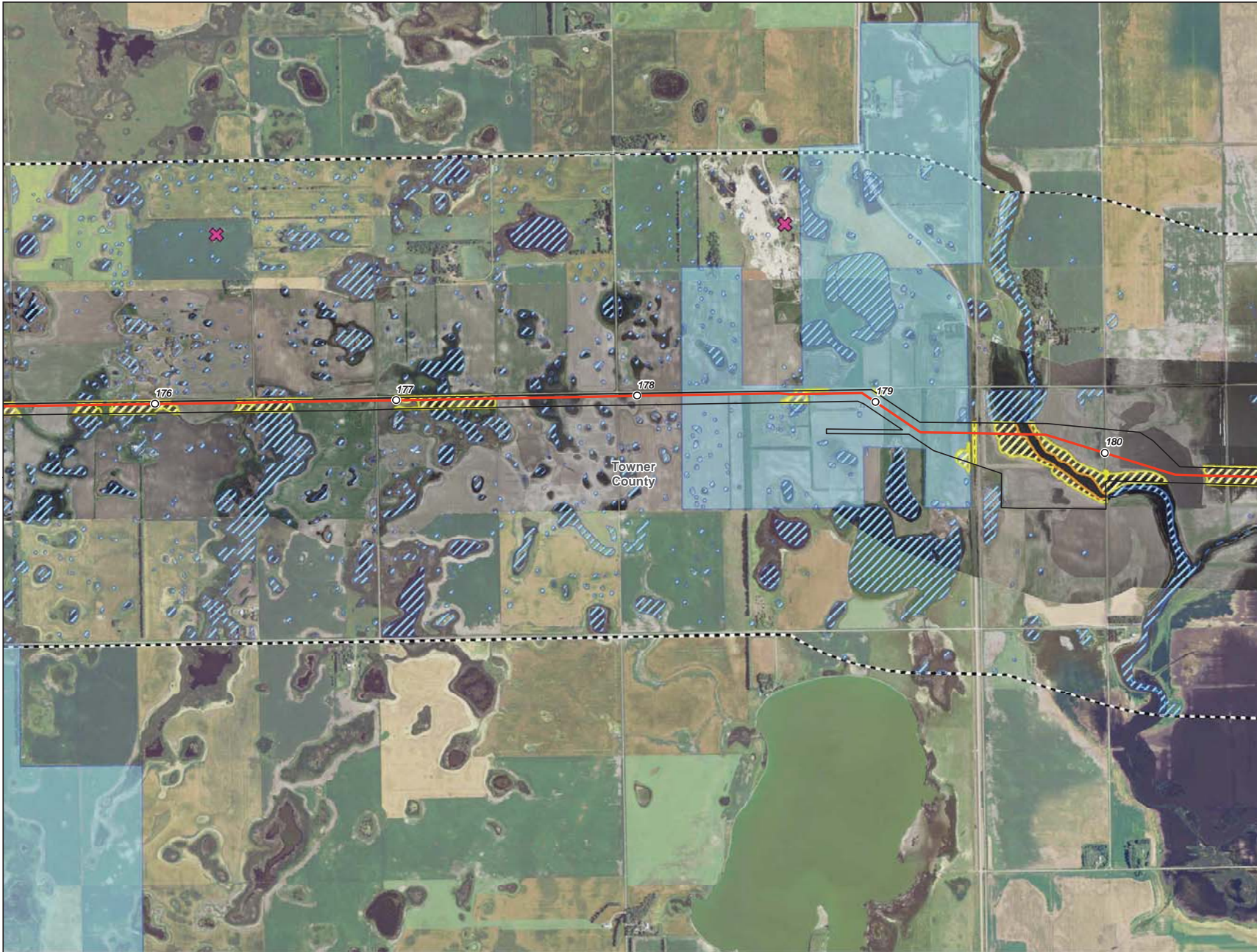


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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**





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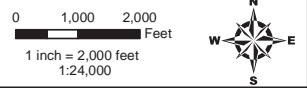
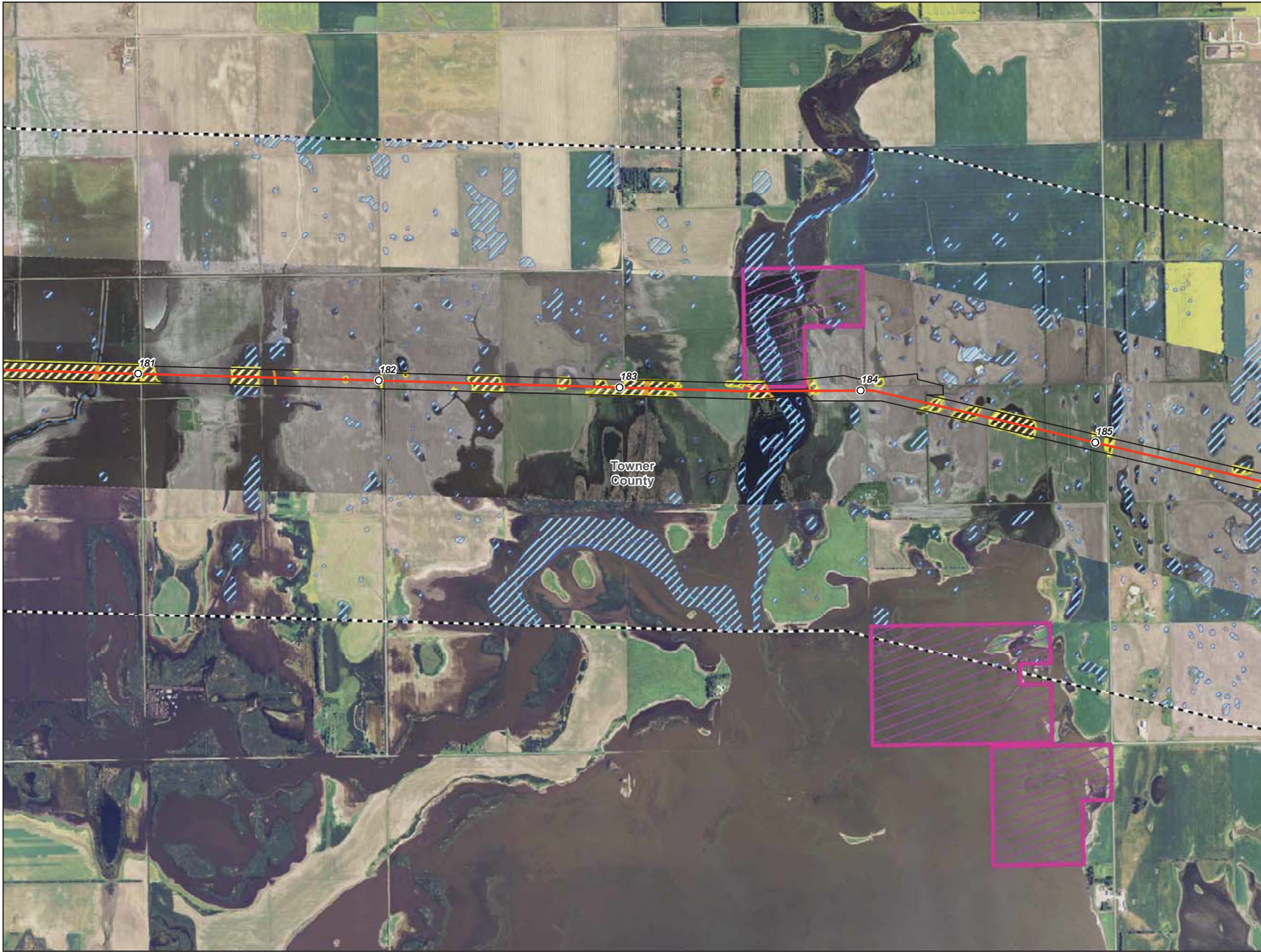
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Tower County



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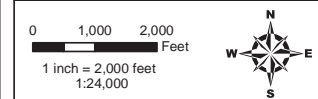
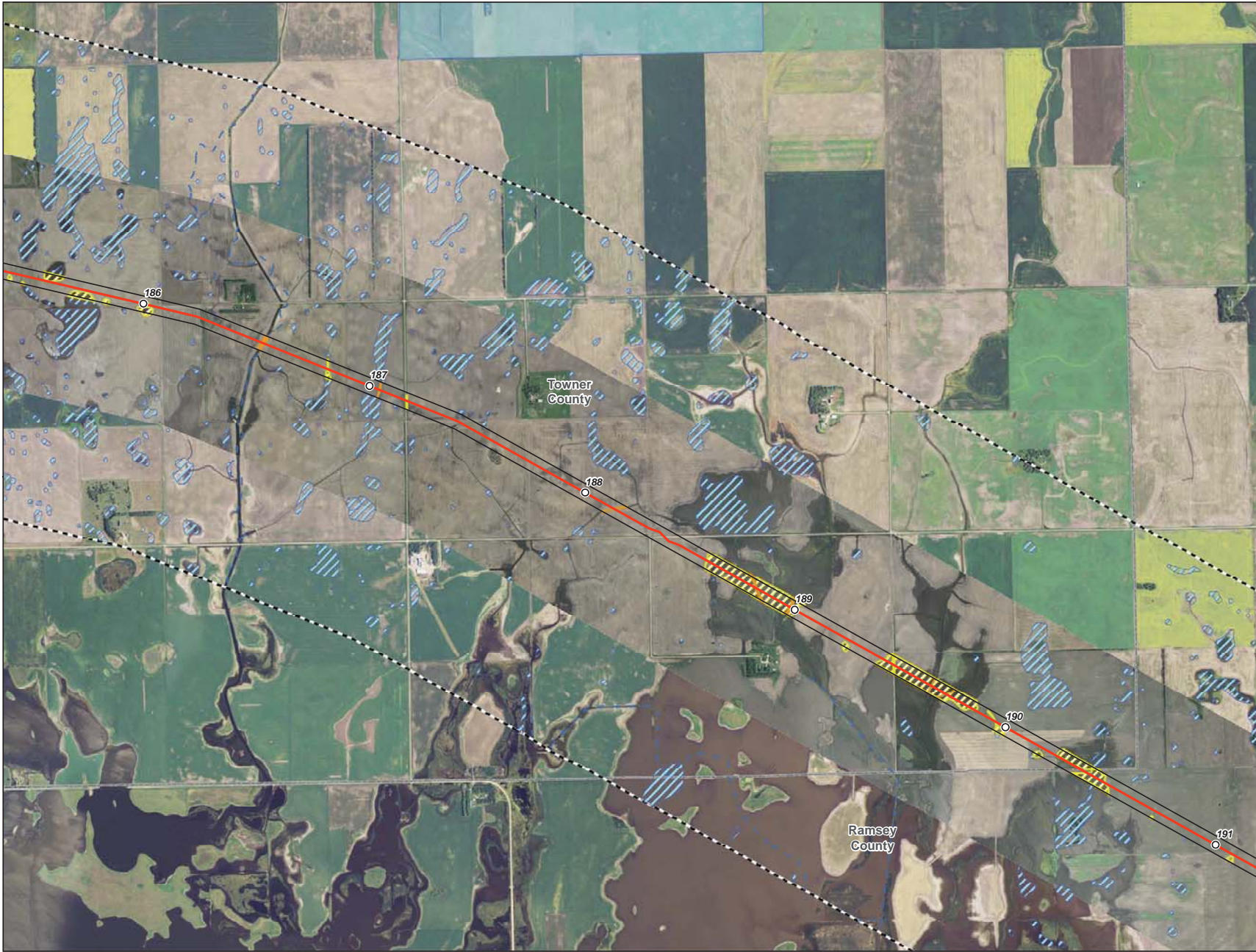
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- Centerline
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- ▭ Facility
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### Enbridge Pipelines (North Dakota) LLC Sandpiper Pipeline Project

#### Other Criteria Considered

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Towner County





- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- Oil and Gas Well
- ✕ Sand and Gravel Resource
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- - - Intermittent Stream
- Perennial Stream
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- - - Canal Ditch
- USFWS Easement**
- ▭ Grassland
- ▭ Wetland
- ▭ Conservation

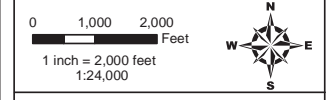
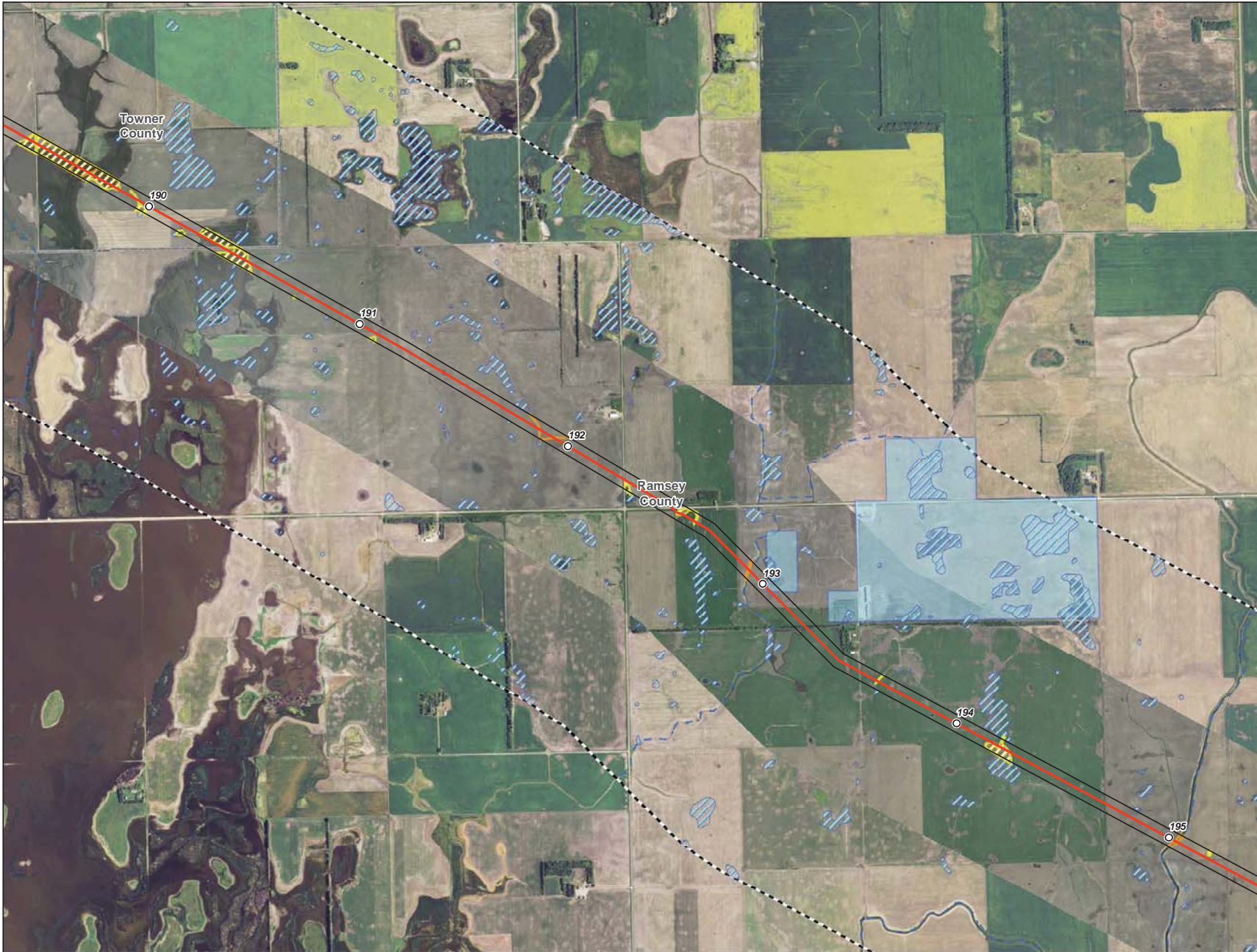
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Tower County



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- Milepost
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- ▭ 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- Oil and Gas Well
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- ▭ Grassland
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

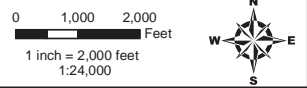
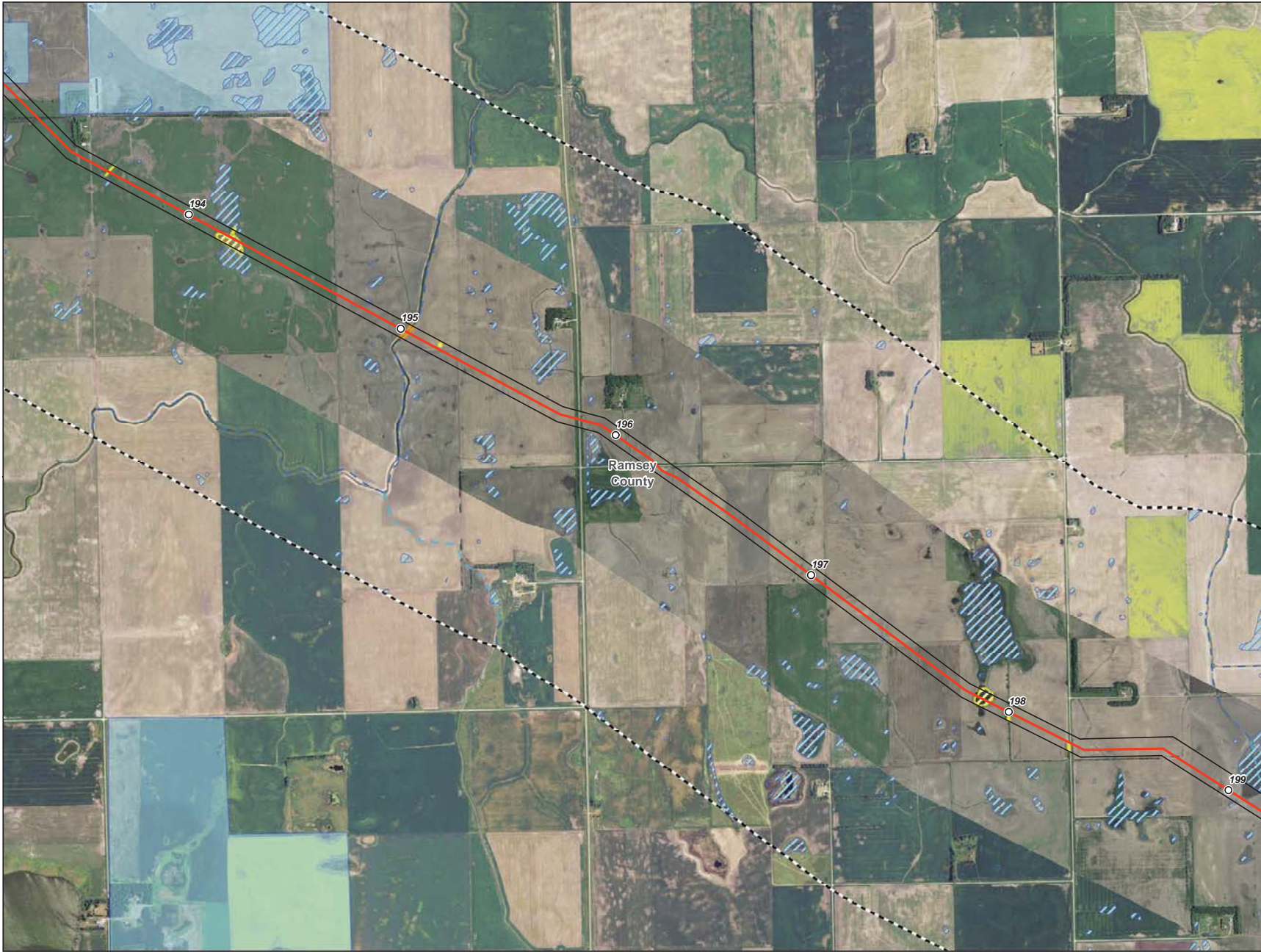
**Other Criteria Considered**

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Ramsey County



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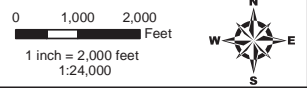
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- ▨ Grassland
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ramsey County





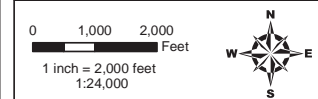
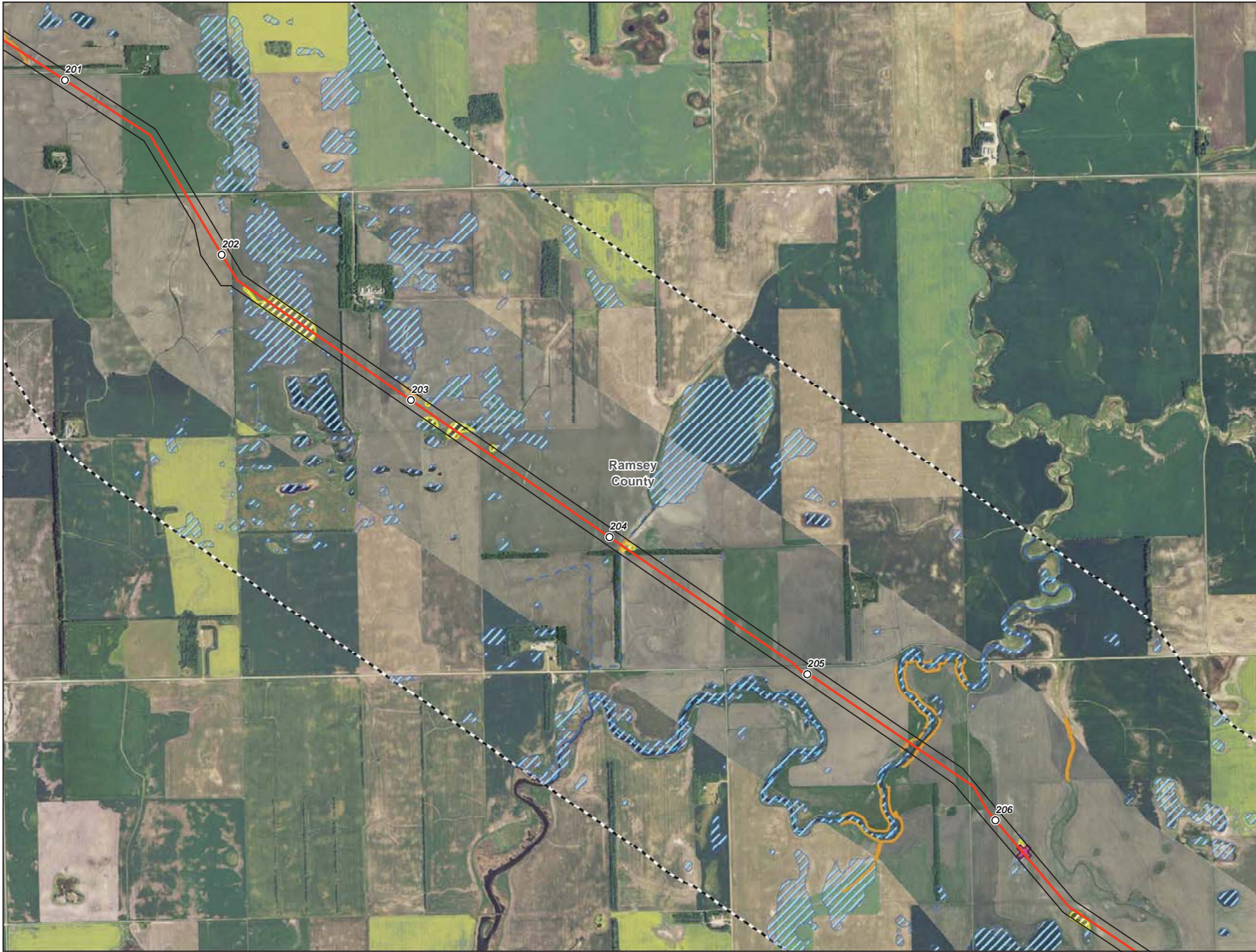
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ramsey County





- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
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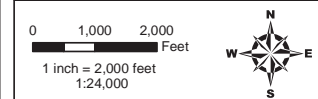
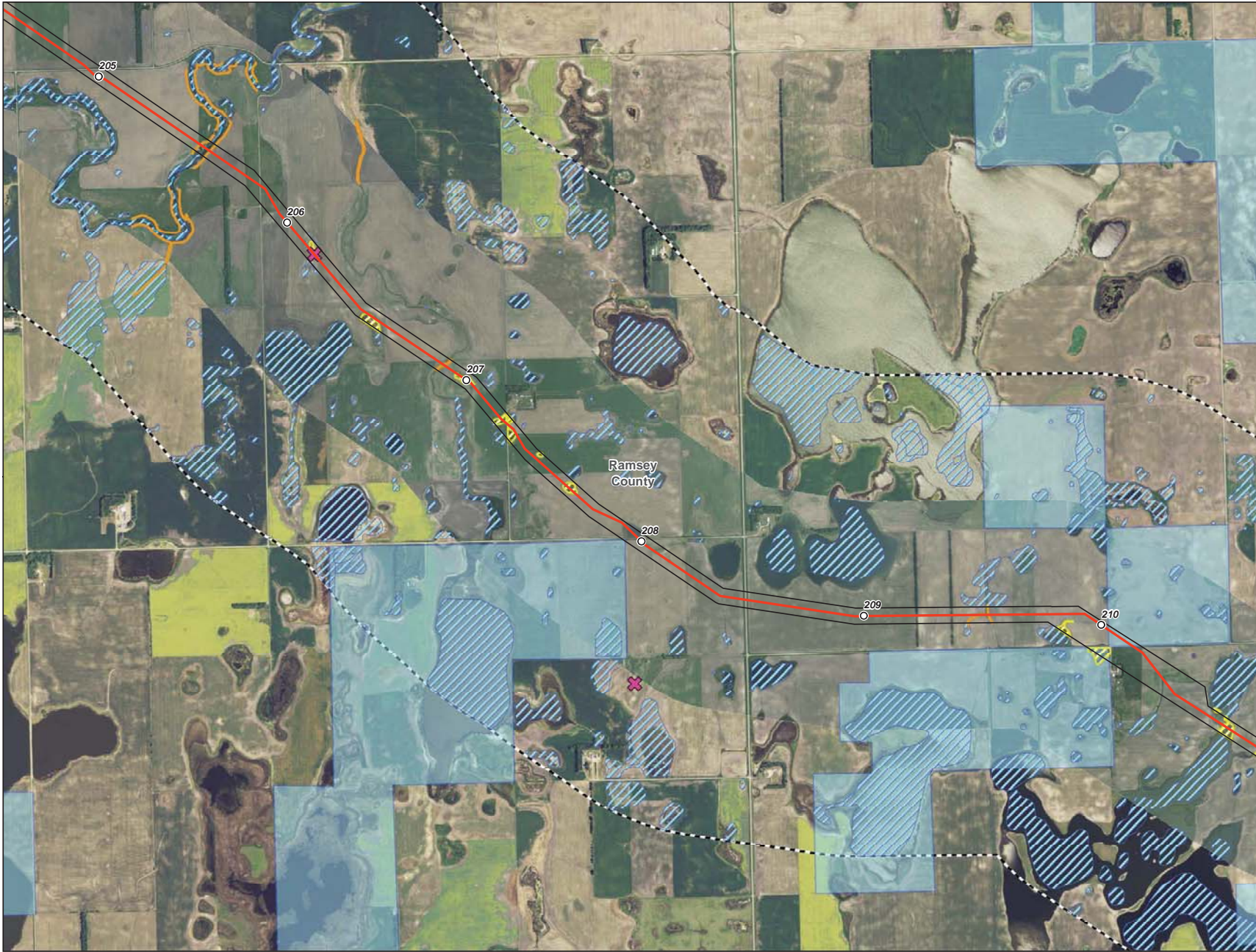
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ramsey County



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- Milepost
- Centerline
- ▭ Survey Corridor
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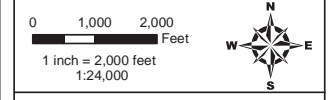
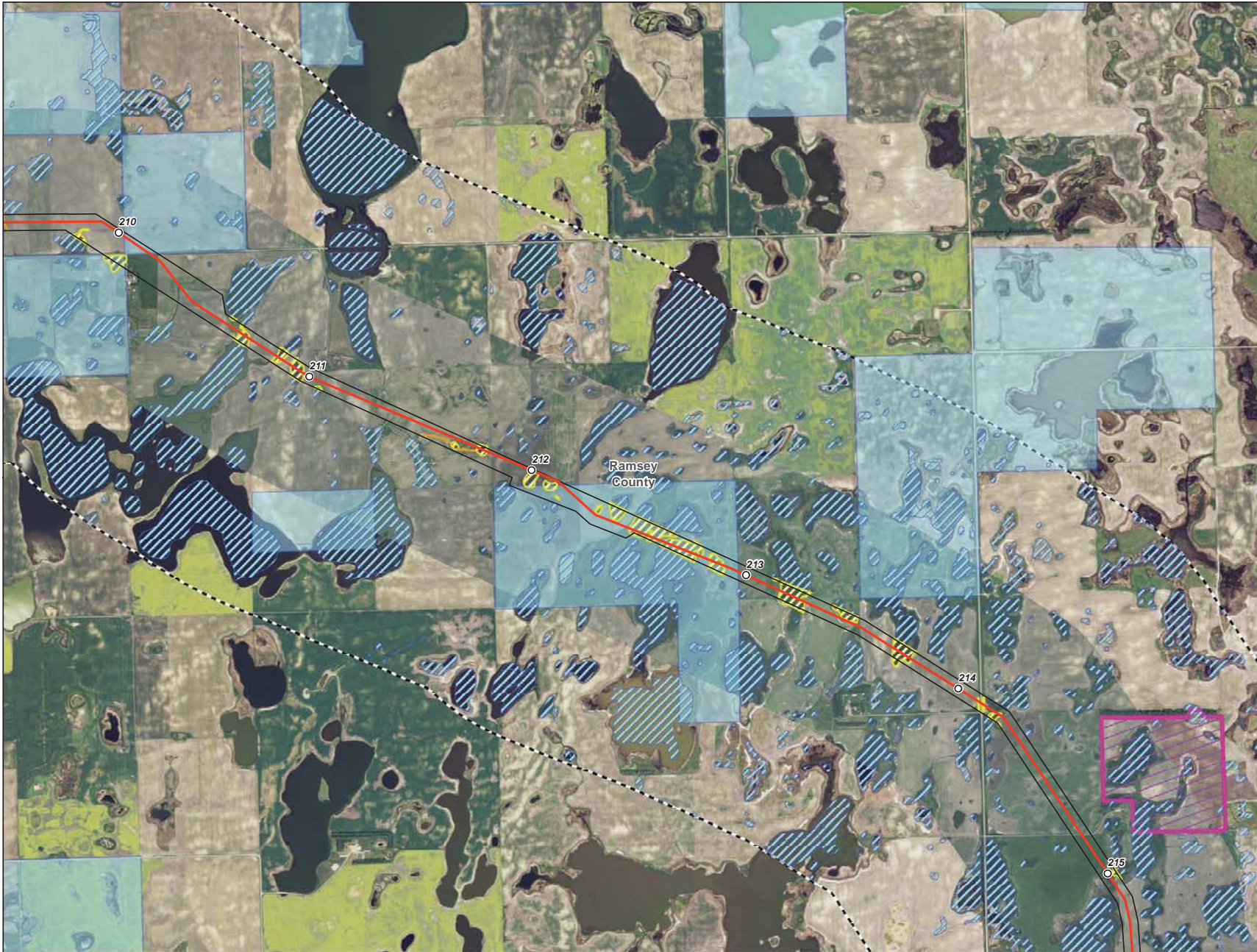
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ramsey County



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- Milepost
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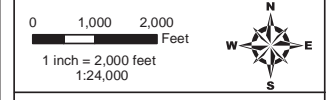
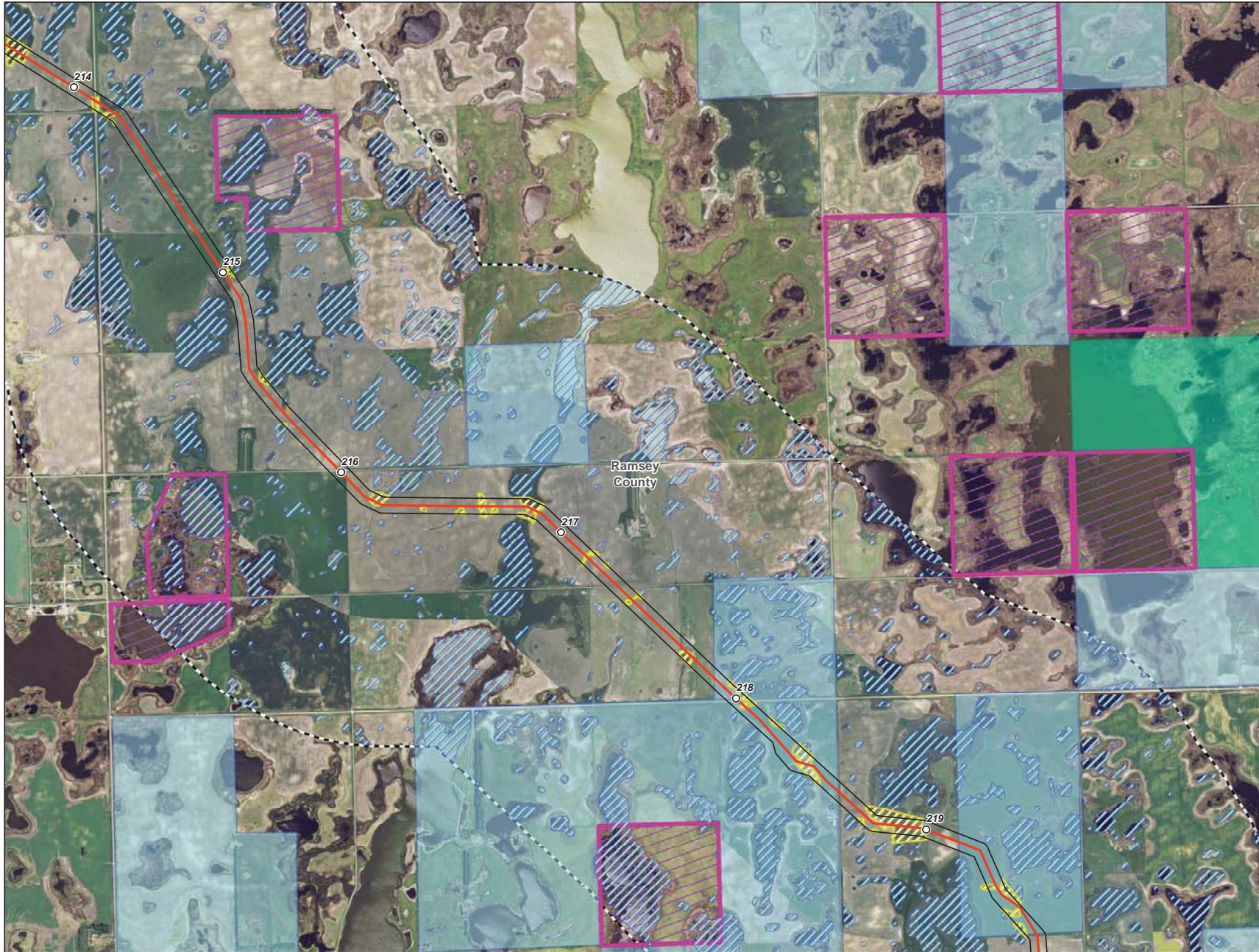
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ramsey County



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- Milepost
- Centerline
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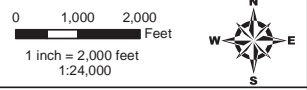
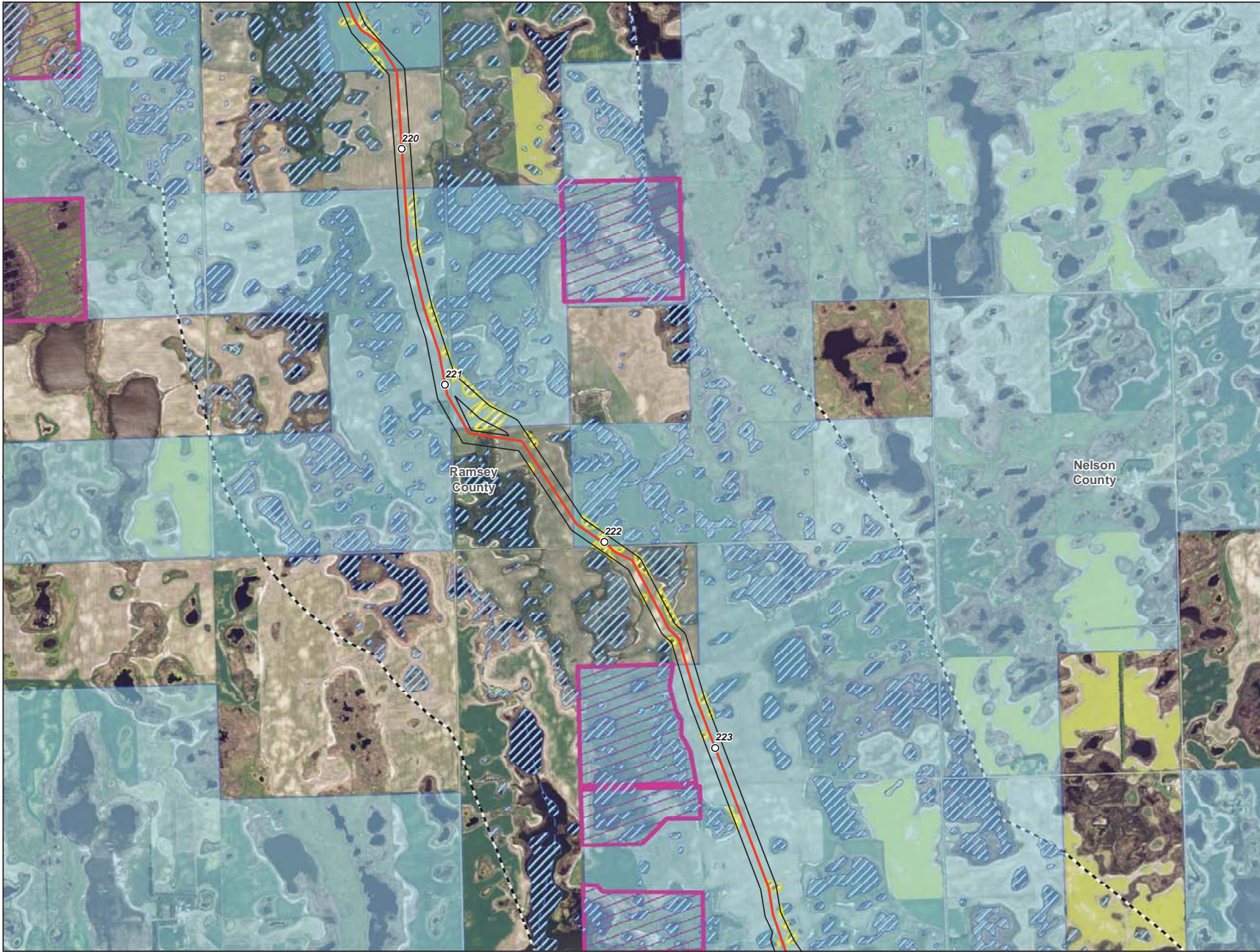
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ramsey County



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- Milepost
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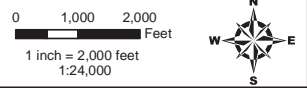
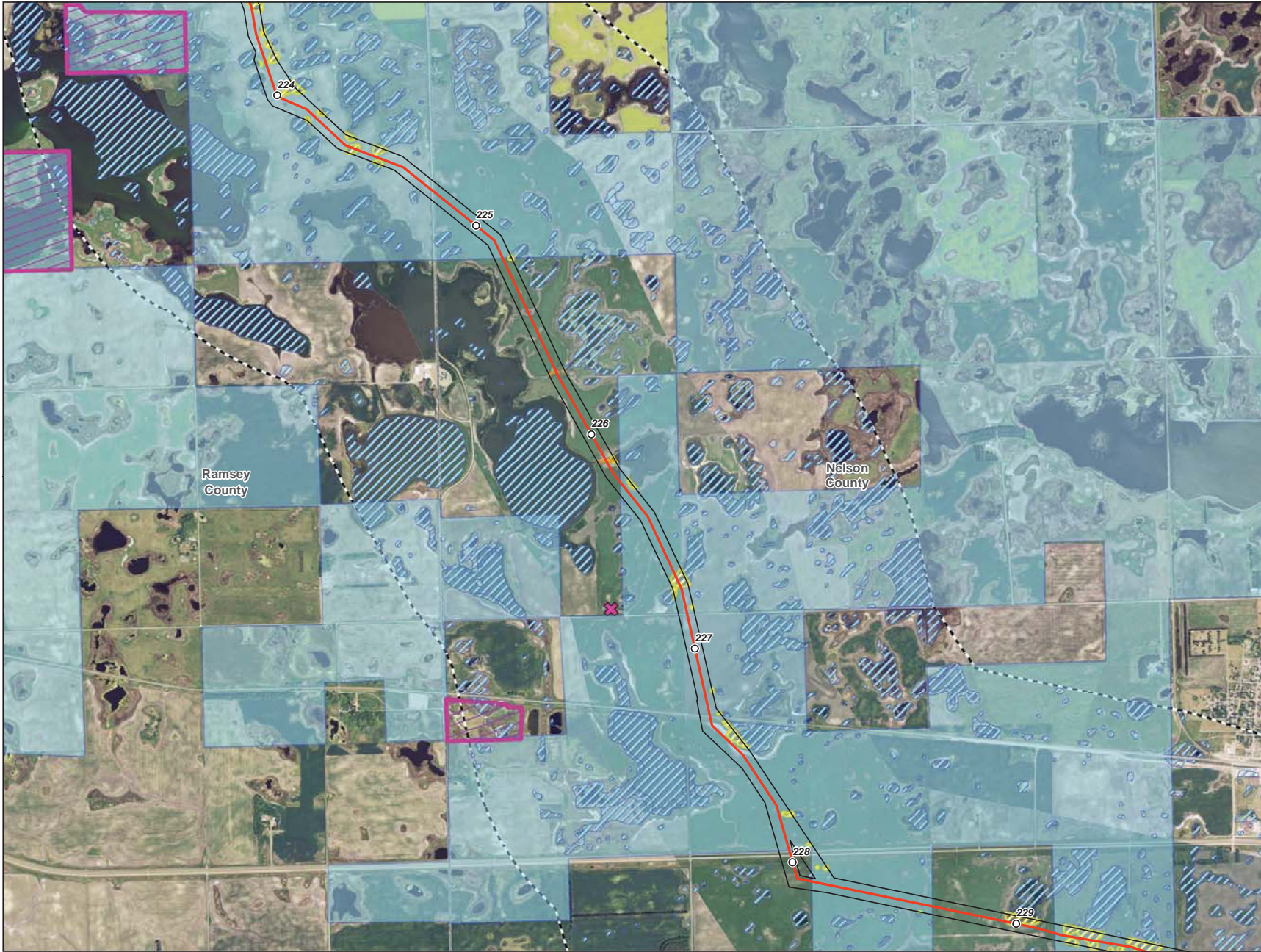
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ramsey County



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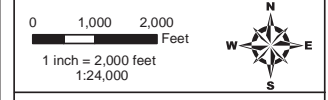
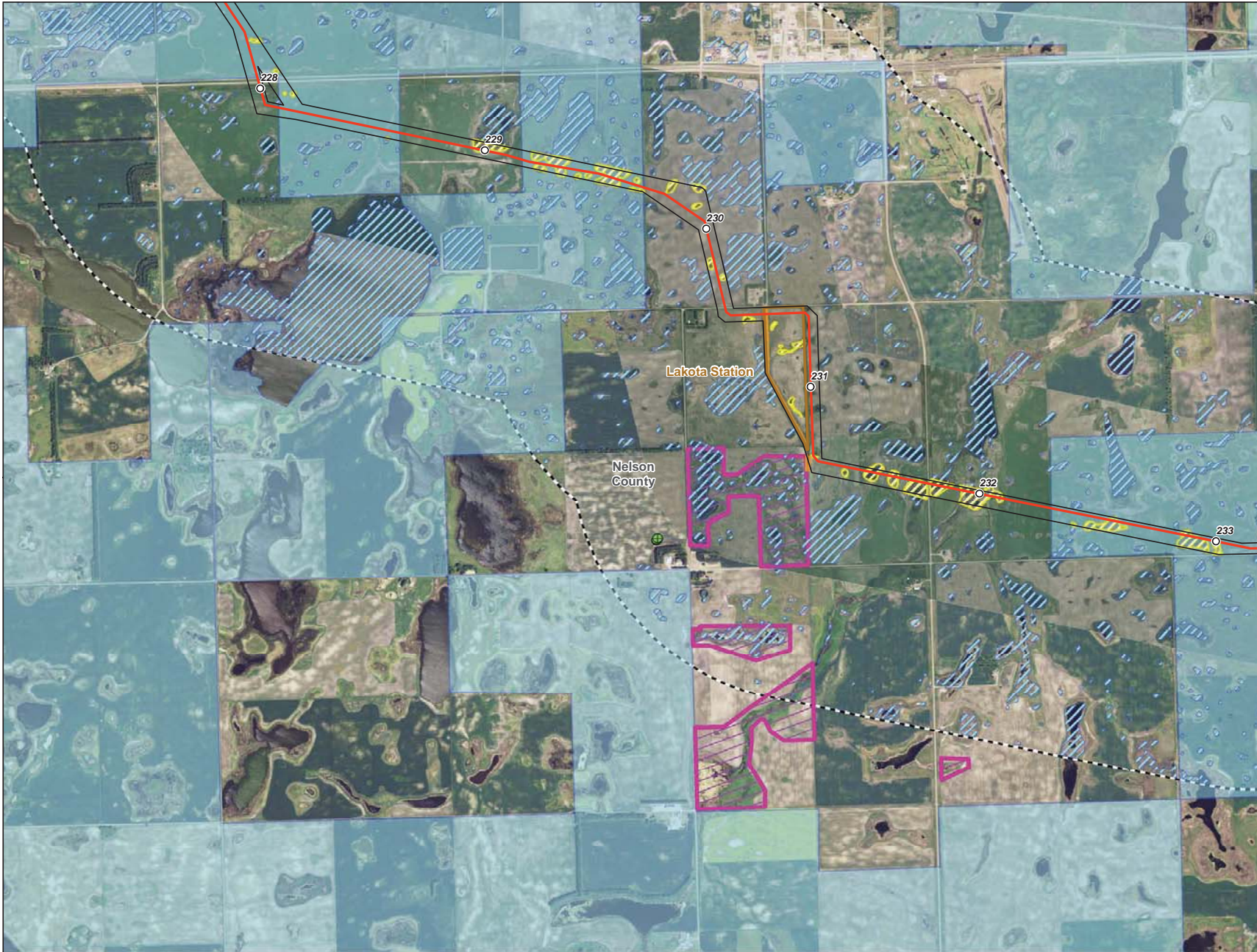
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Ramsey County





- Milepost
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- ▭ Survey Corridor
- ▭ 2-mile Study Area
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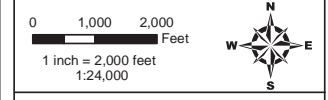
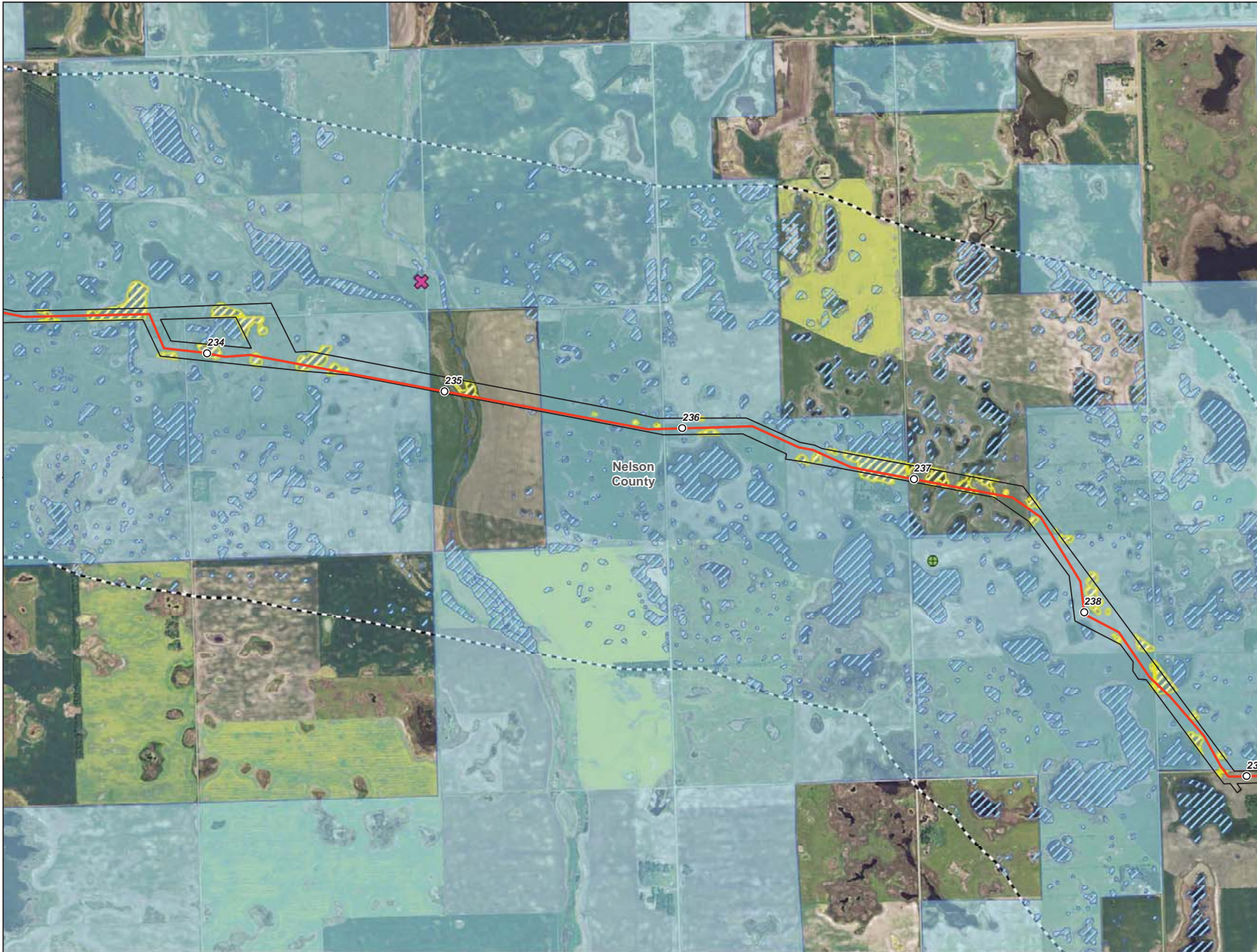
## Enbridge Pipelines (North Dakota) LLC Sandpiper Pipeline Project

### Other Criteria Considered

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Nelson County



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Date: 1/20/2014



- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
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- ▭ Wetland
- ▭ Conservation

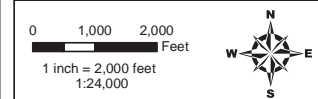
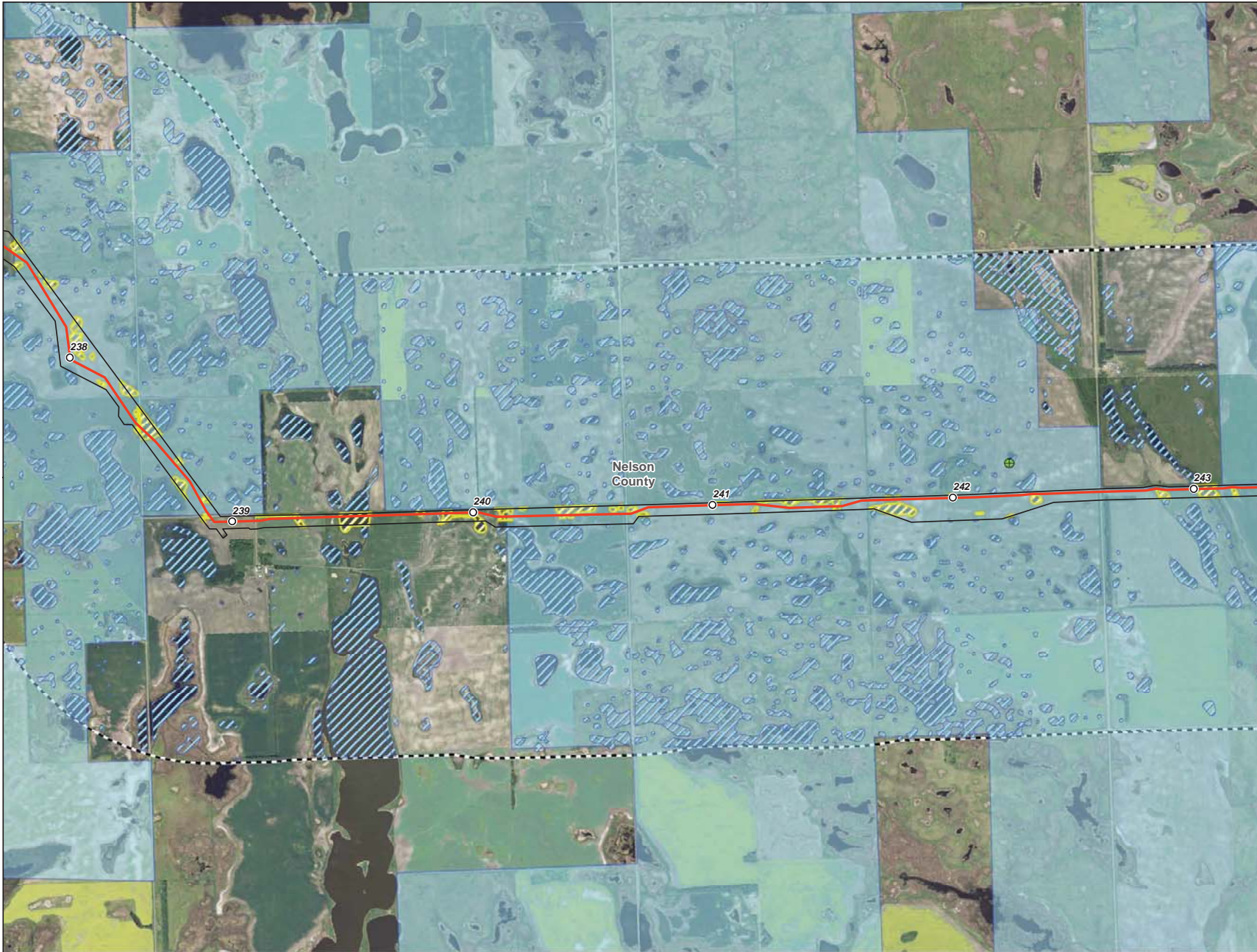
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Nelson County



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- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- ⊕ Oil and Gas Well
- ⊗ Sand and Gravel Resource
- Delineated Waterbody
- ▨ Delineated Wetland
- ▨ NWI Wetland
- ▨ NCRS WRP Easement
- ▨ NDNHI Wet-mesic Tallgrass Prairie
- USGS Streams**
- - - Intermittent Stream
- Perennial Stream
- Ephemeral Stream
- - - Canal Ditch
- USFWS Easement**
- ▨ Grassland
- ▨ Wetland
- ▨ Conservation

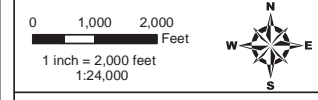
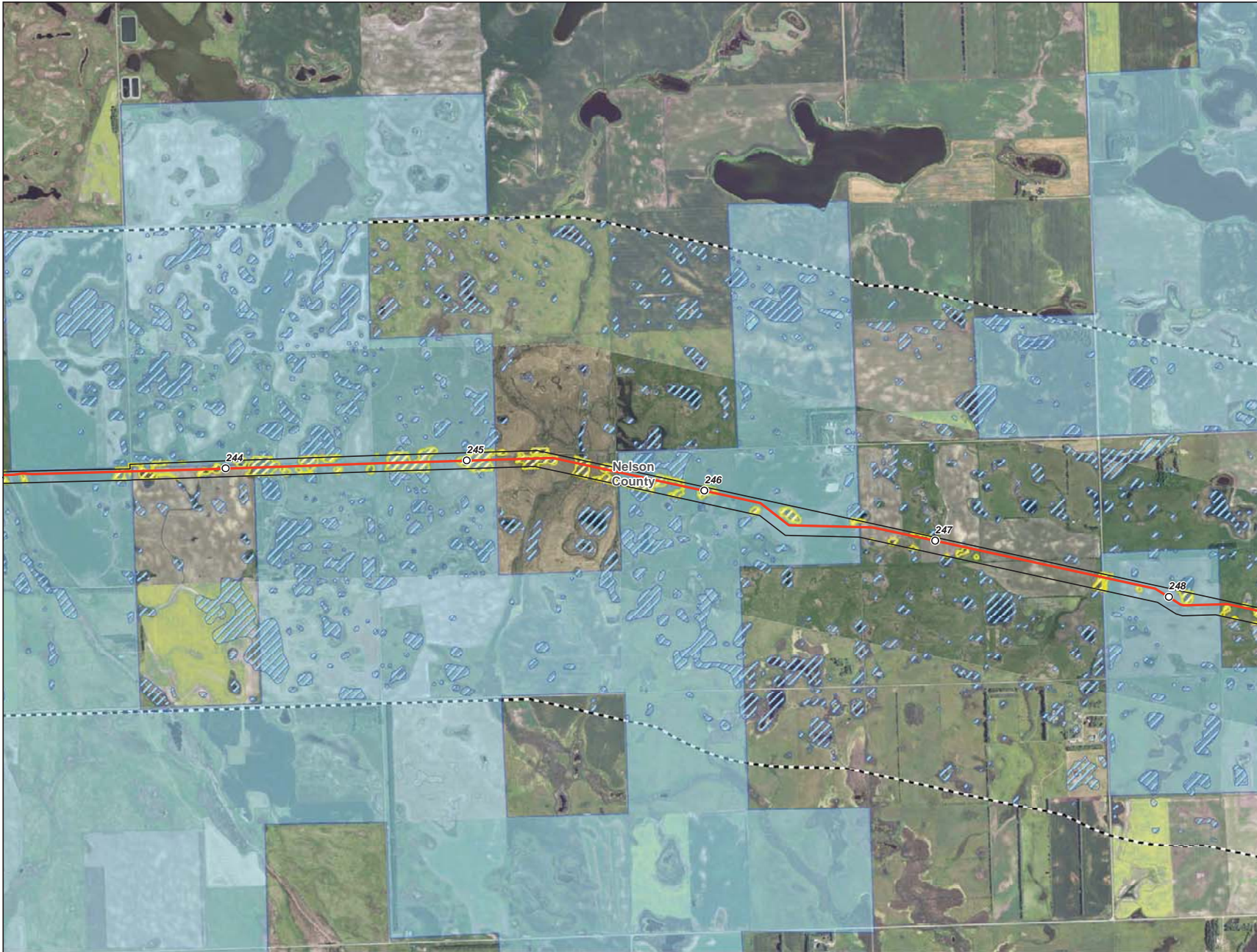
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Nelson County



Source: z:\Client\EL\_Enbridge\Sandpiper\GIS\13102\ND\_PSC\ArcDoc\Excision\_Other\Sandpiper\_RevD\_10.mxd



- Milepost
- Centerline
- ▭ Survey Corridor
- ▭ 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- Oil and Gas Well
- ✕ Sand and Gravel Resource
- Delineated Waterbody
- ▨ Delineated Wetland
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- USGS Streams**
- Intermittent Stream
- Perennial Stream
- Ephemeral Stream
- Canal Ditch
- USFWS Easement**
- ▨ Grassland
- ▨ Wetland
- ▨ Conservation

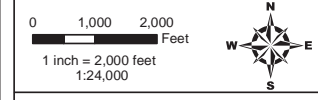
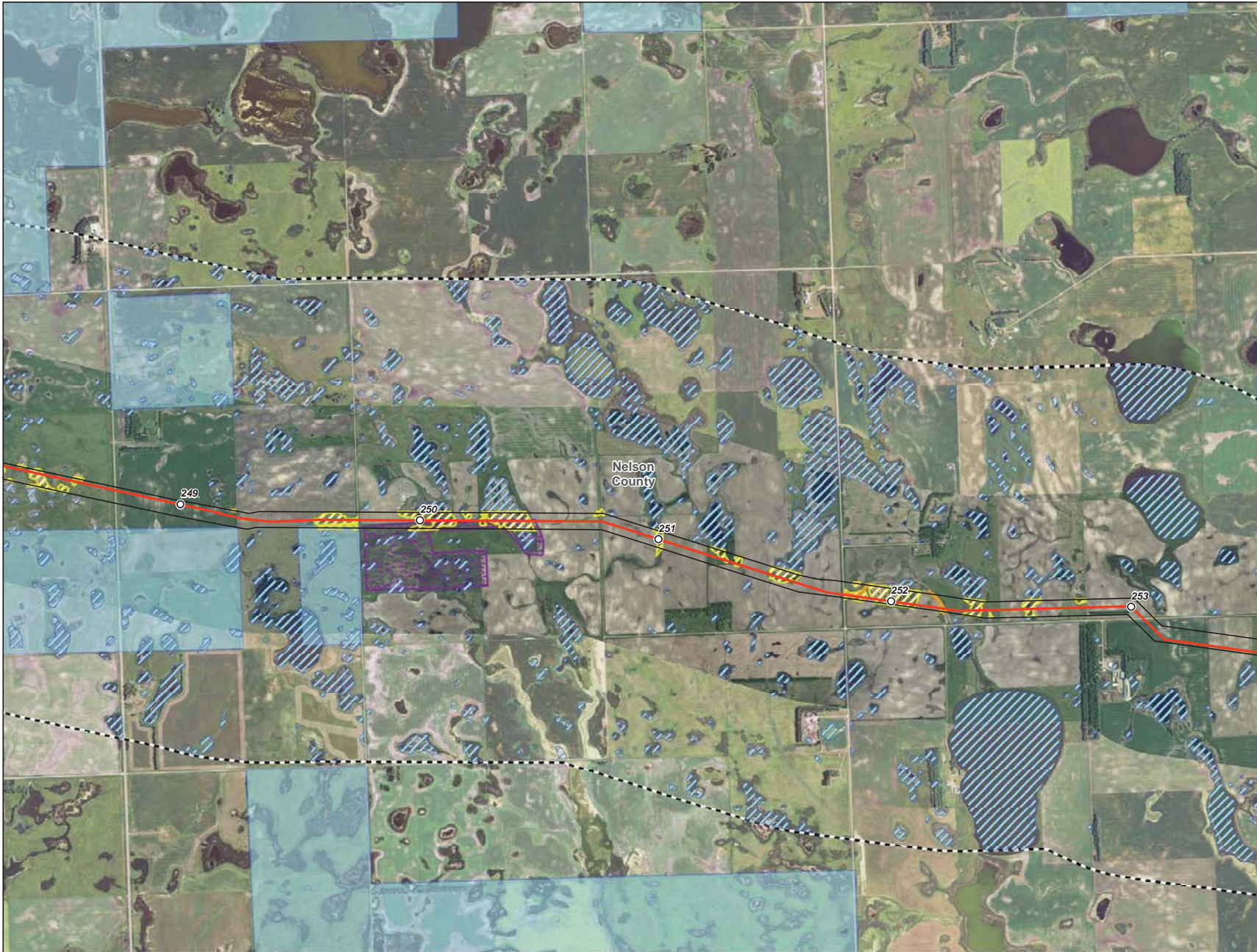
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Nelson County



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- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- Oil and Gas Well
- ✕ Sand and Gravel Resource
- Delineated Waterbody
- ▨ Delineated Wetland
- ▨ NWI Wetland
- ▨ NCRS WRP Easement
- ▨ NDNHI Wet-mesic Tallgrass Prairie
- USGS Streams**
- - Intermittent Stream
- Perennial Stream
- Ephemeral Stream
- - Canal Ditch
- USFWS Easement**
- ▨ Grassland
- ▨ Wetland
- ▨ Conservation

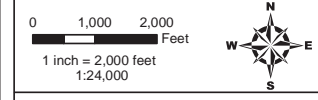
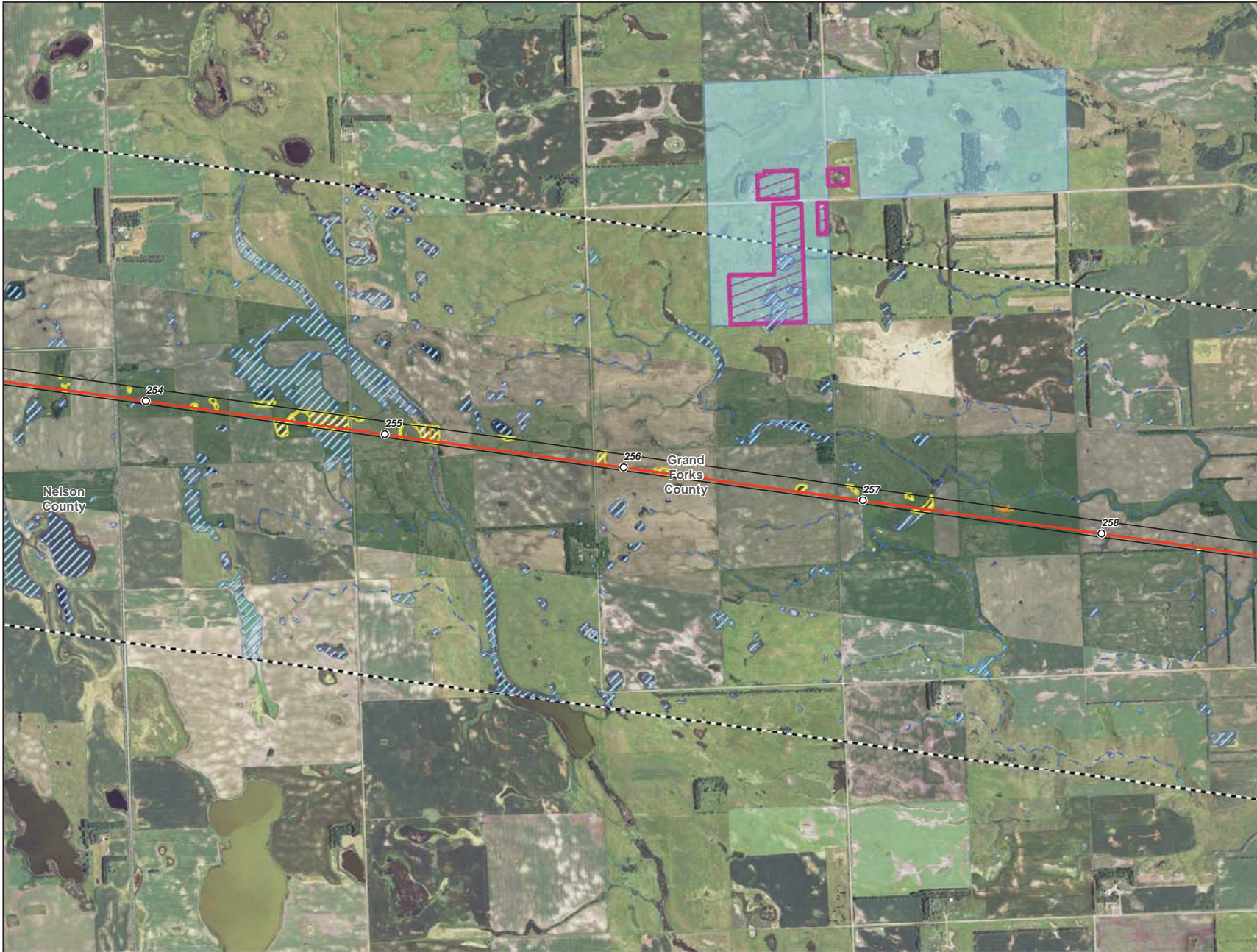
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

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Nelson County



Source: z:\Client\ENR\Enbridge\Sandpiper\ACGIS\13102\ND\_PSC\avoidance\_exclosure\_other\Sandpiper\_Rev0\_ND.mxd



- Milepost
- Centerline
- ▭ Survey Corridor
- ▭ 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- Oil and Gas Well
- ✕ Sand and Gravel Resource
- Delineated Waterbody
- ▨ Delineated Wetland
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- USGS Streams**
- Intermittent Stream
- Perennial Stream
- Ephemeral Stream
- Canal Ditch
- USFWS Easement**
- ▨ Grassland
- ▨ Wetland
- ▨ Conservation

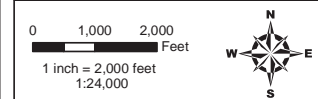
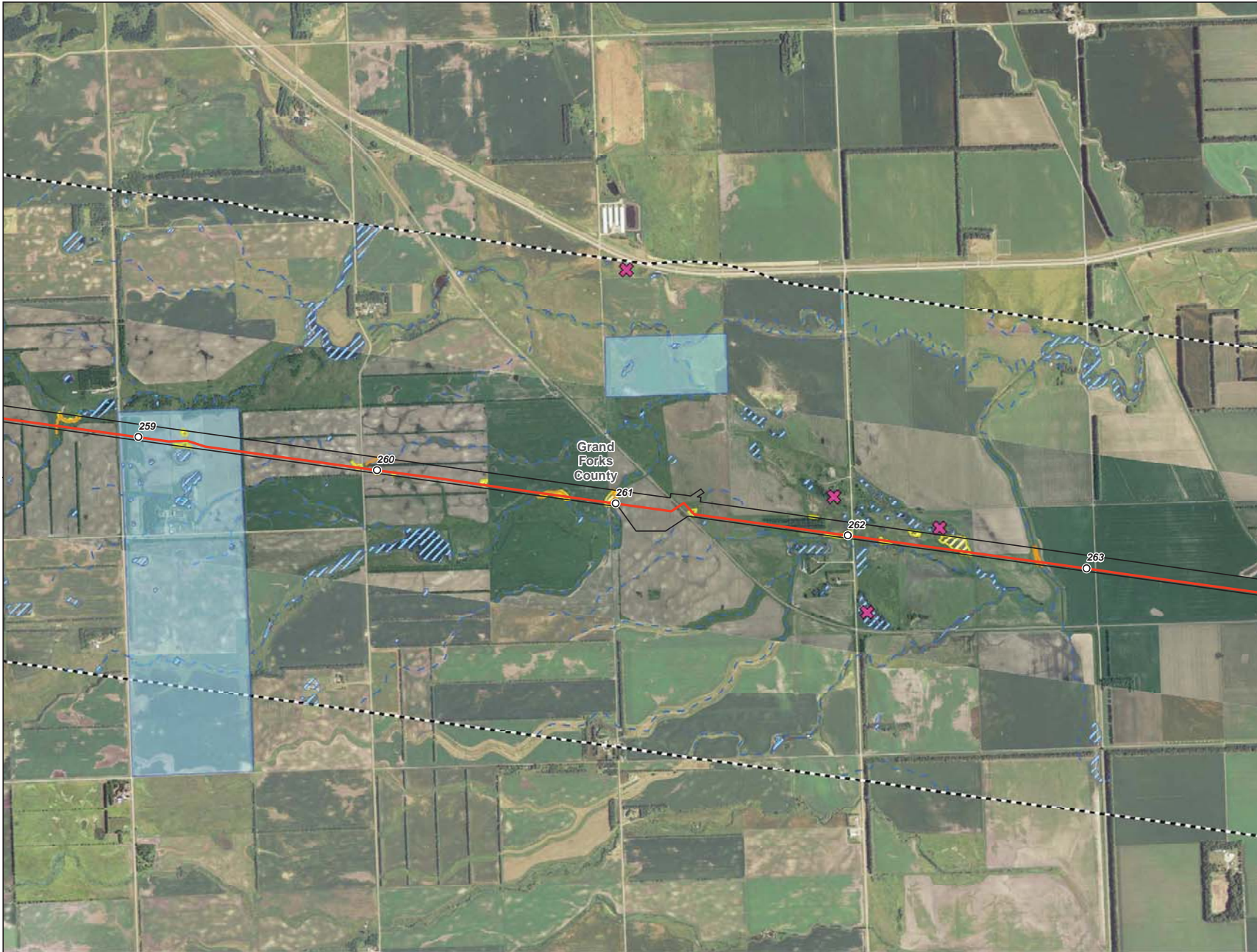
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Grand Forks County



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- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
- Oil and Gas Well
- ✕ Sand and Gravel Resource
- Delineated Waterbody
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- USFWS Easement**
- ▨ Grassland
- ▨ Wetland
- ▨ Conservation

**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

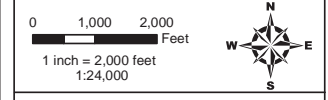
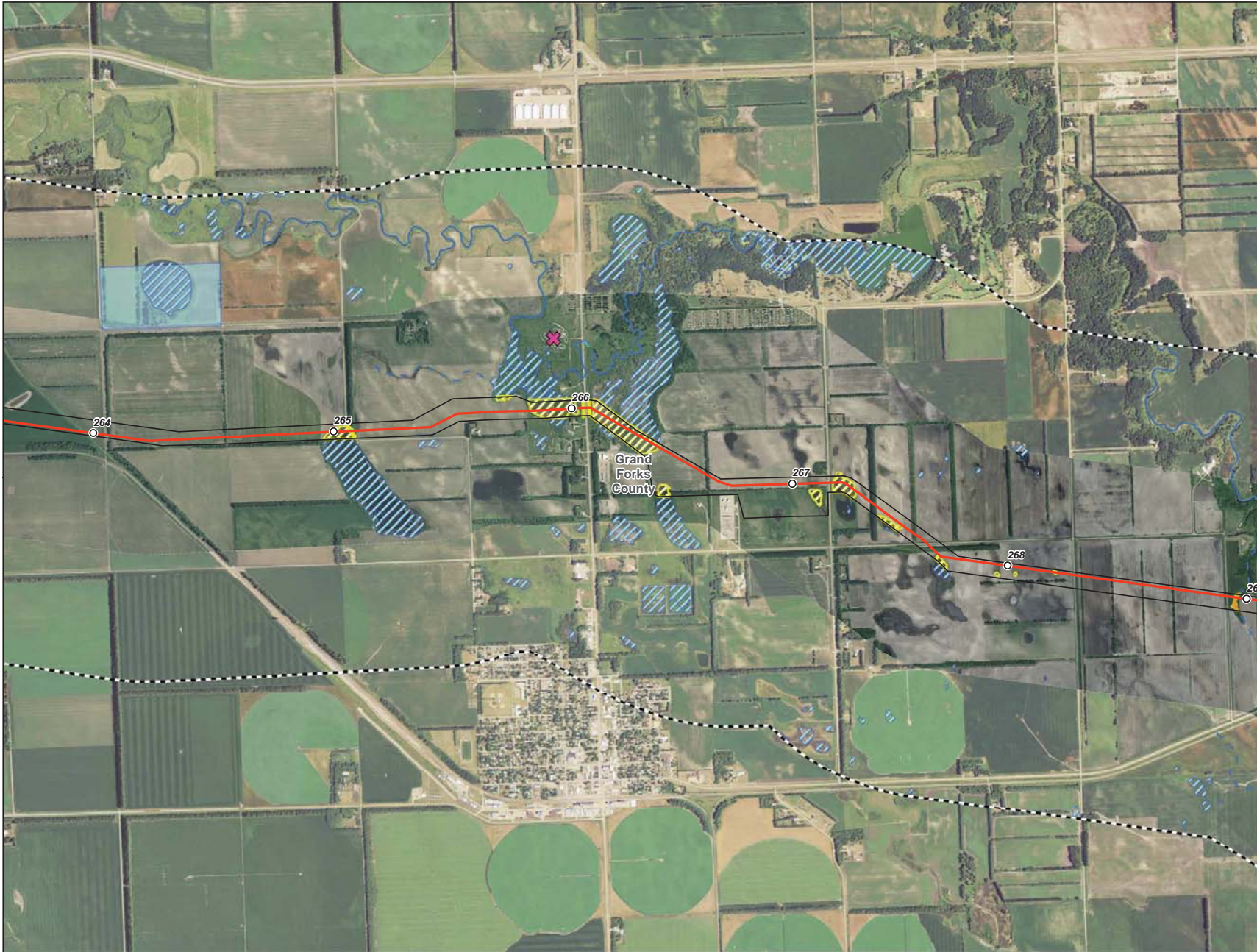
**Other Criteria Considered**

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Grand Forks County



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- Milepost
- Centerline
- Survey Corridor
- 2-mile Study Area
- Facility
- Previously Sited Facility
- County Boundary
- Oil and Gas Well
- ✕ Sand and Gravel Resource
- Delineated Waterbody
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- Canal Ditch
- USFWS Easement**
- Grassland
- Wetland
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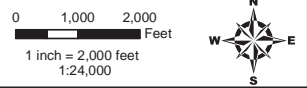
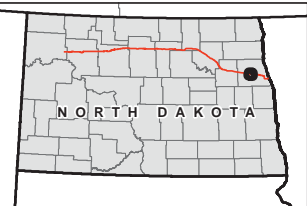
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

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Grand Forks County



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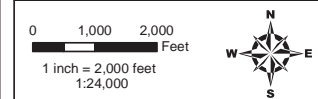
- Milepost
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- ▭ 2-mile Study Area
- ▭ Facility
- ▭ Previously Sited Facility
- ▭ County Boundary
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- ▭ Conservation

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Sandpiper Pipeline Project**

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Grand Forks County





- Milepost
- Centerline
- ▭ Survey Corridor
- - - 2-mile Study Area
- ▭ Facility
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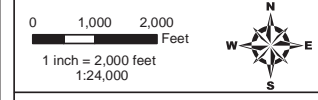
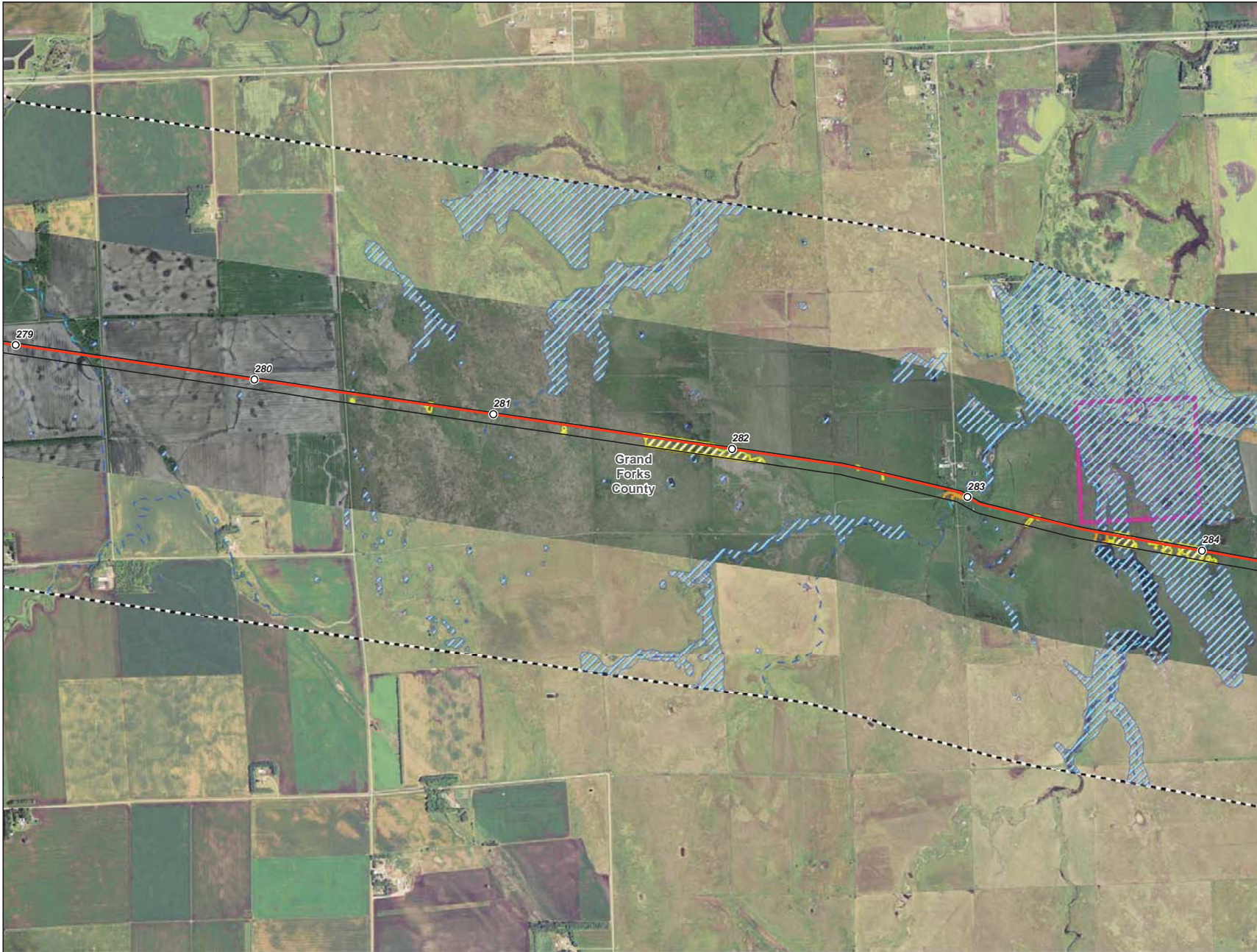
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Grand Forks County



Source: z:\Client\ENBRIDGE\Sandpiper\GIS\13102\ND\_PSC\avoidance\_escuson\_other\Sandpiper\_Rev0\_ND.mxd Date: 1/20/2014



- Milepost
- Centerline
- Survey Corridor
- 2-mile Study Area
- Facility
- Previously Sited Facility
- County Boundary
- Oil and Gas Well
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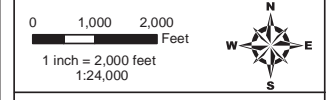
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Grand Forks County



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- Milepost
- Centerline
- ▭ Survey Corridor
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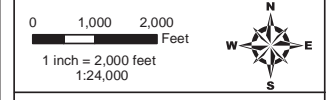
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Grand Forks County



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- Milepost
- Centerline
- ▭ Survey Corridor
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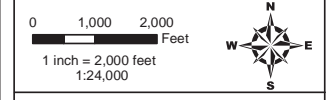
**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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Date: 1/20/2014 Source: Z:\Client\EL\Enbridge\Sandpiper\AccGIS\13102\ND\_PSC\avoidance\_Easement\_Other\Sandpiper\_RevD\_NO\_Other.mxd



- Milepost
- Centerline
- Survey Corridor
- 2-mile Study Area
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- Previously Sited Facility
- County Boundary
- Oil and Gas Well
- Sand and Gravel Resource
- Delineated Waterbody
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- Intermittent Stream
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- Ephemeral Stream
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- Wetland
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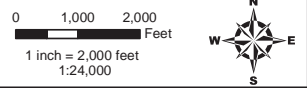
## Enbridge Pipelines (North Dakota) LLC Sandpiper Pipeline Project

### Other Criteria Considered

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Date: 1/20/2014 Source: Z:\Client\ENR\Enbridge\Sandpiper\AccGIS\102\ND\_PSC\avoidance\_Easement\_Other\Sandpiper\_Rev0\_ND\_Other.mxd



- Milepost
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- ▭ Survey Corridor
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**Enbridge Pipelines  
(North Dakota) LLC  
Sandpiper Pipeline Project**

**Other Criteria Considered**

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