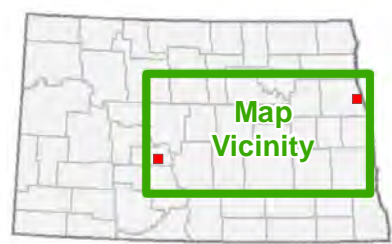
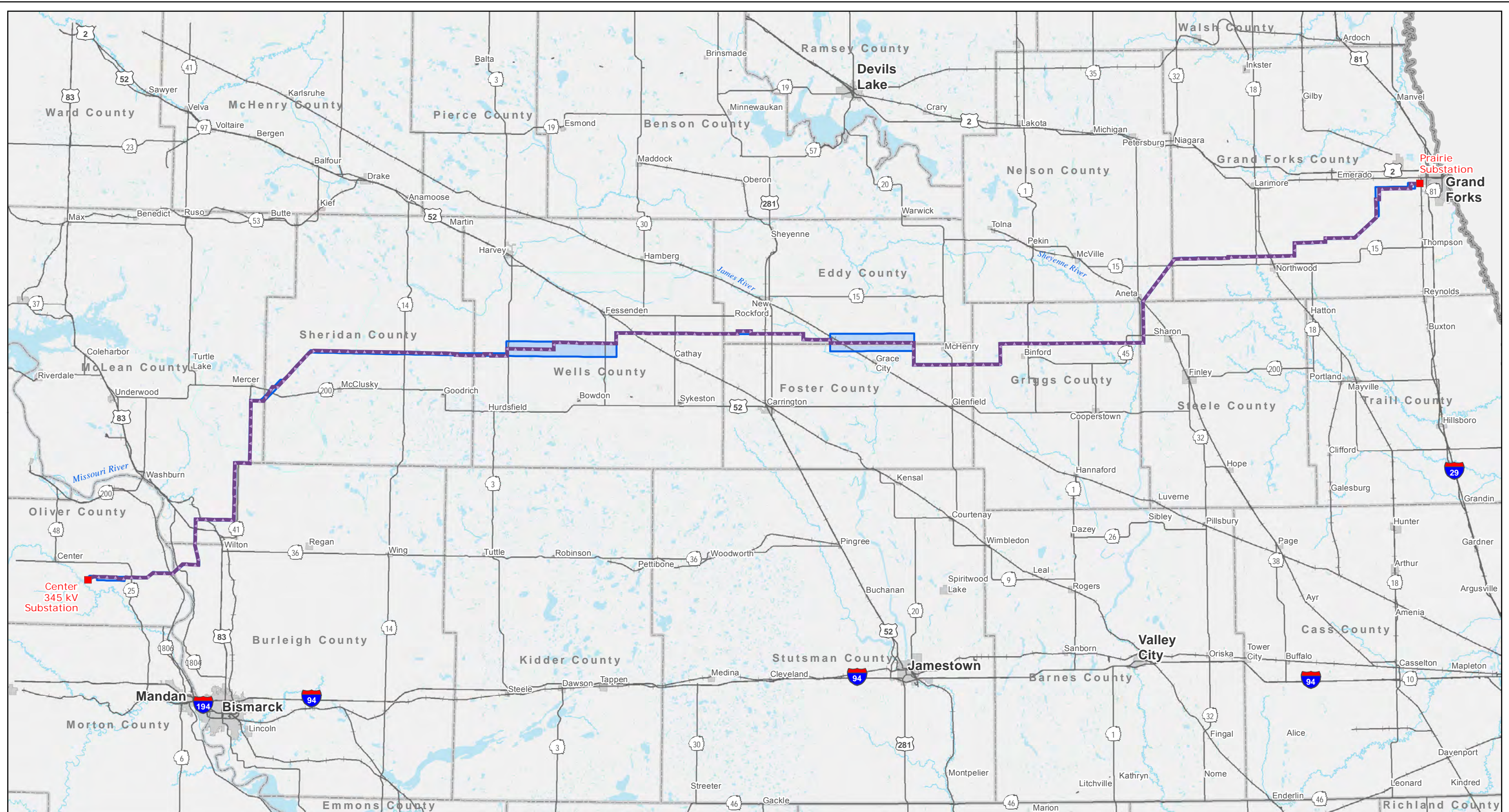


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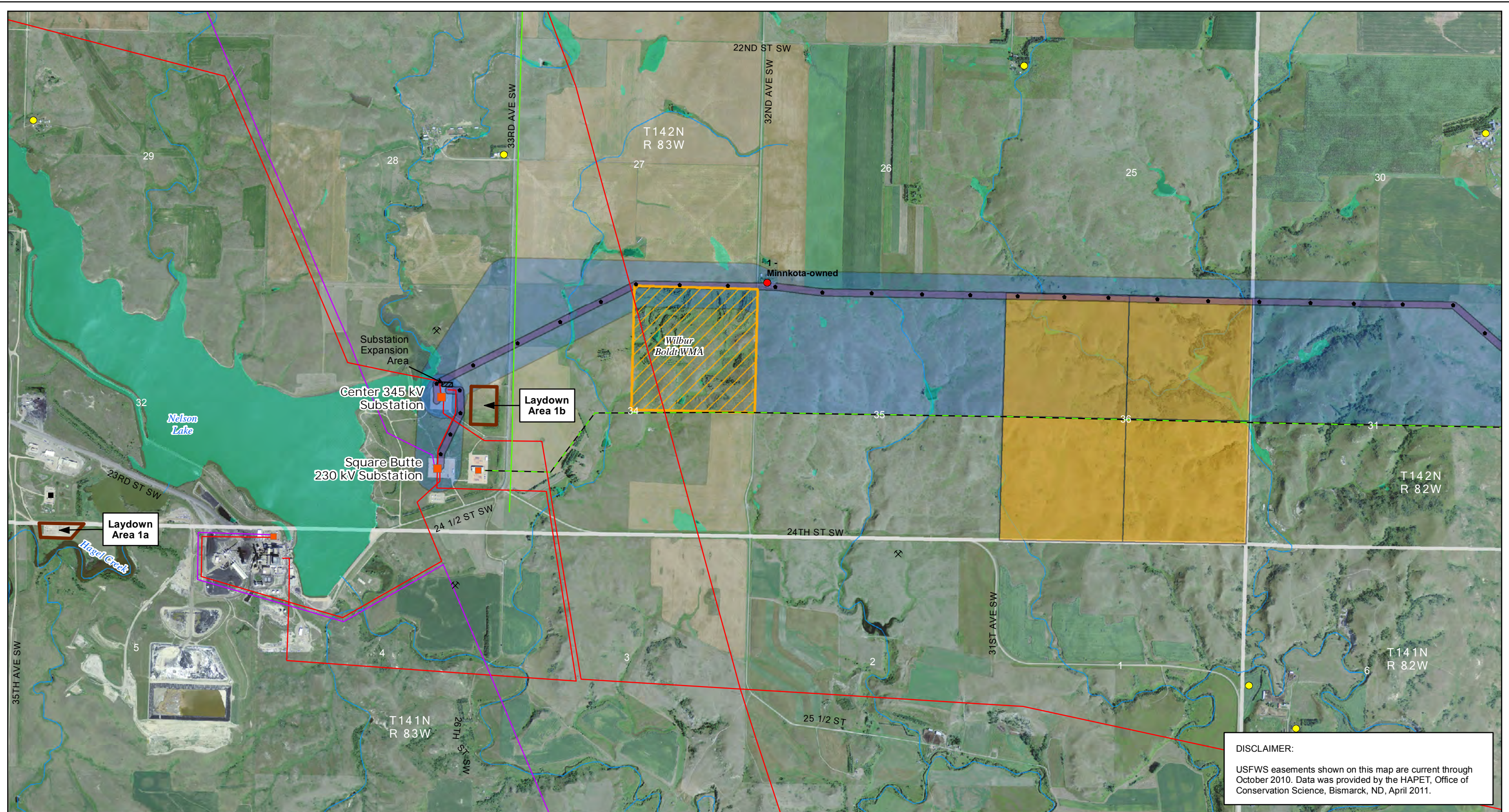


- Project Route
- Proposed Modified Corridor - November 18, 2011
- Project Substation

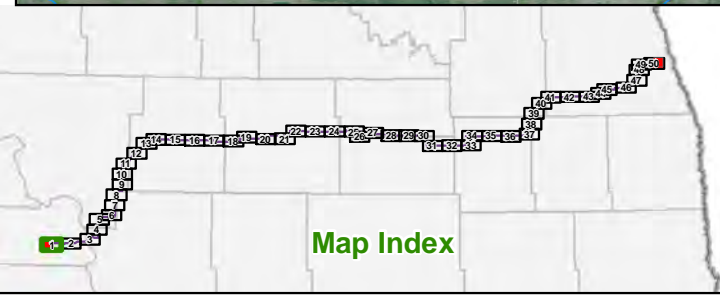
Figure 1
Project Vicinity
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

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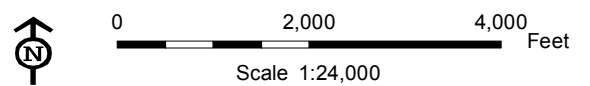


DISCLAIMER:
 USFWS easements shown on this map are current through October 2010. Data was provided by the HAPET, Office of Conservation Science, Bismarck, ND, April 2011.



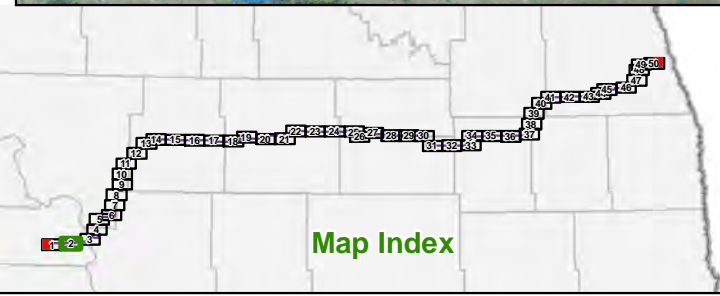
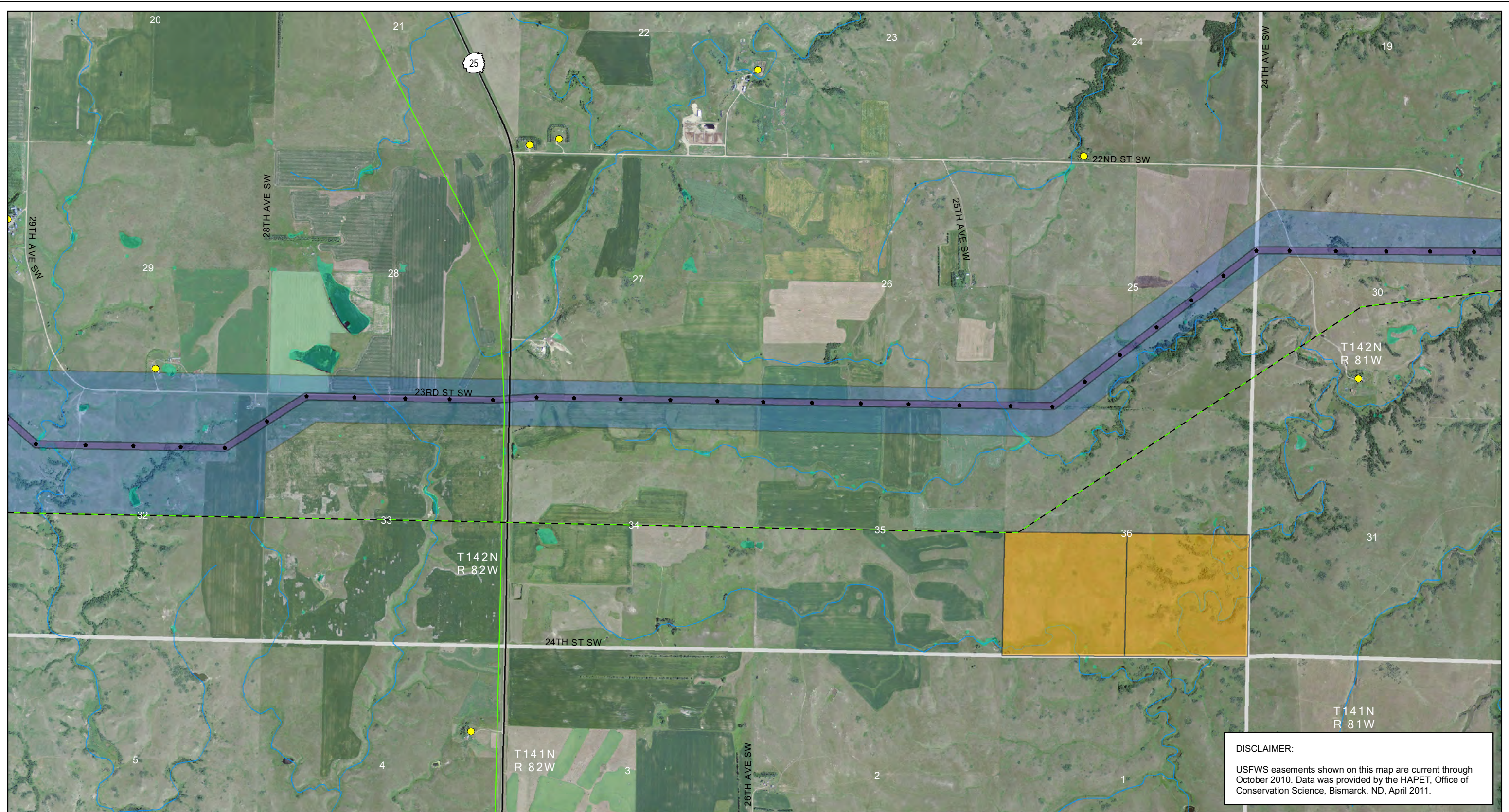
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Figure 2: Page 1 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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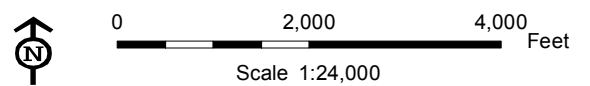
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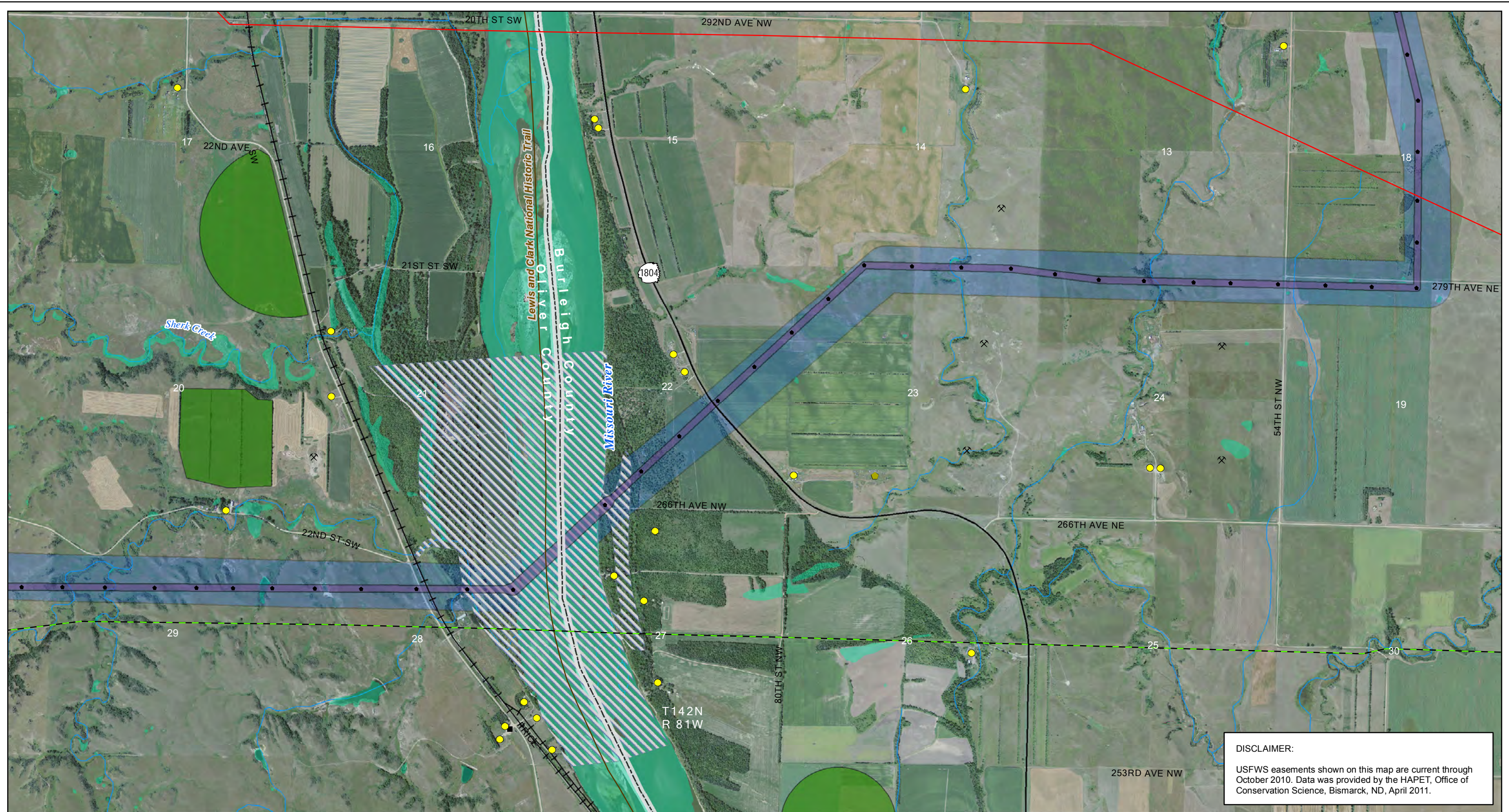
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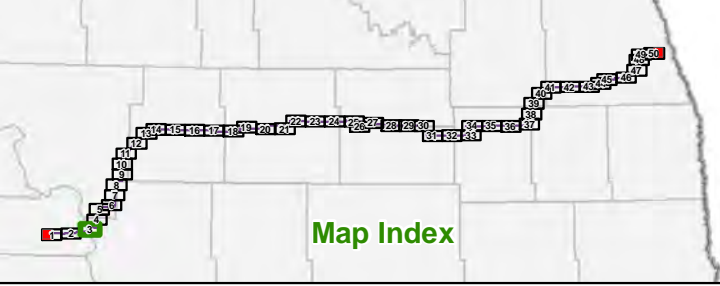
Figure 2: Page 2 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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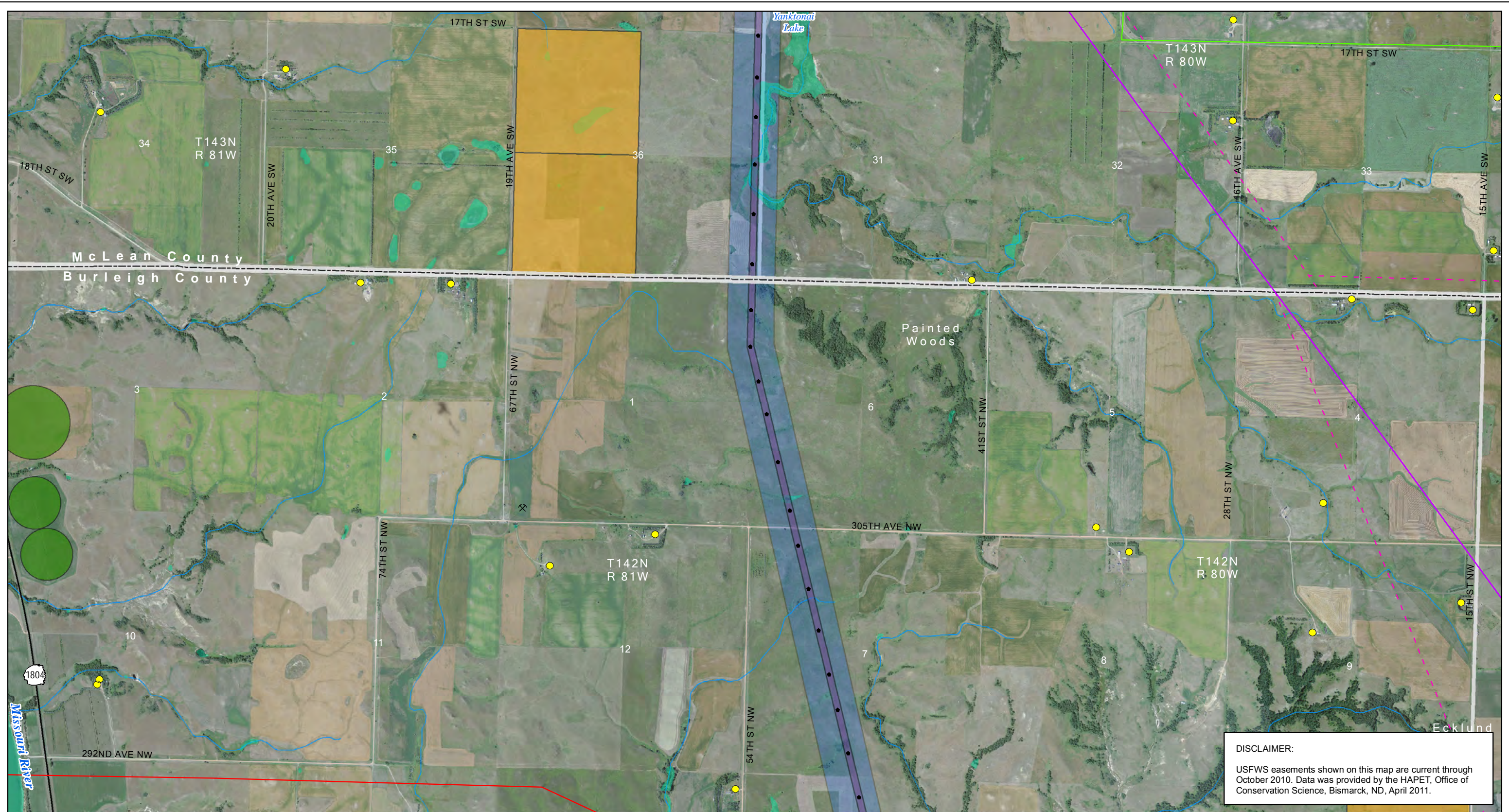
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Figure 2: Page 3 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

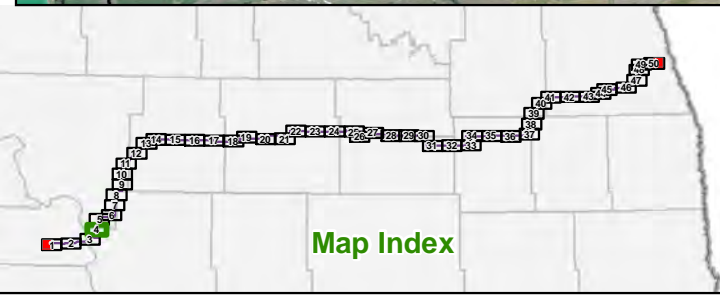
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Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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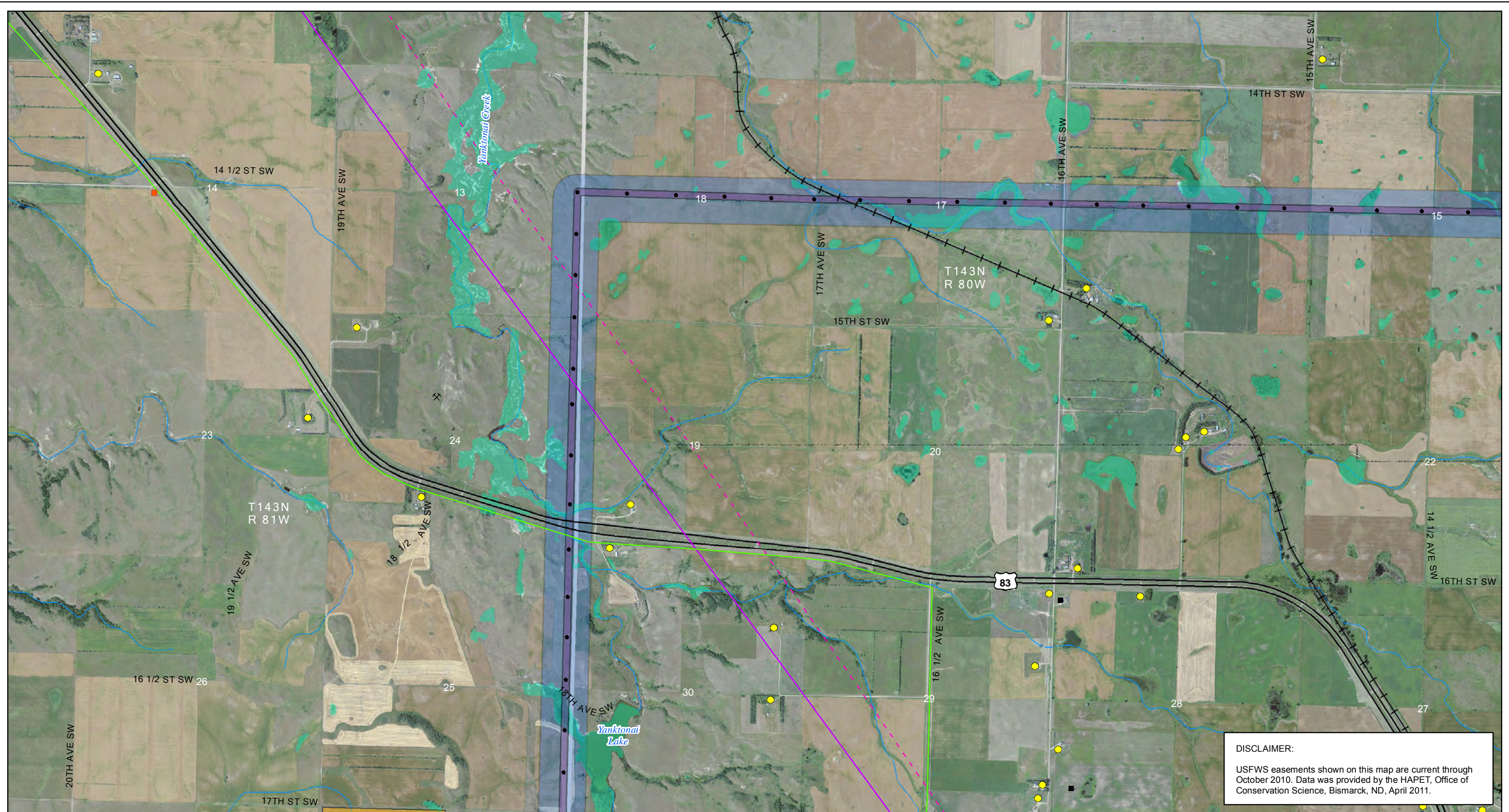


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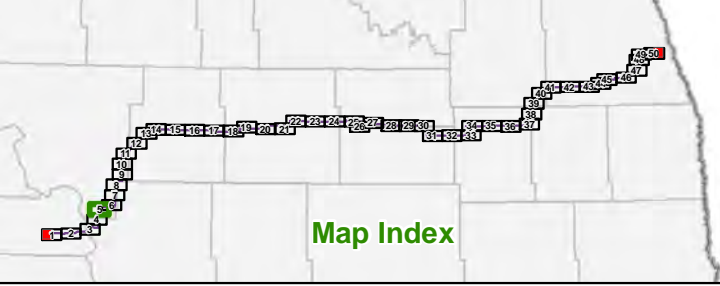
Figure 2: Page 4 of 50
Route Siting Criteria
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

Scale 1:24,000

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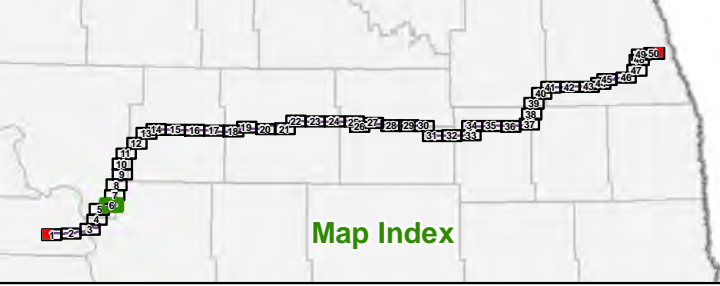
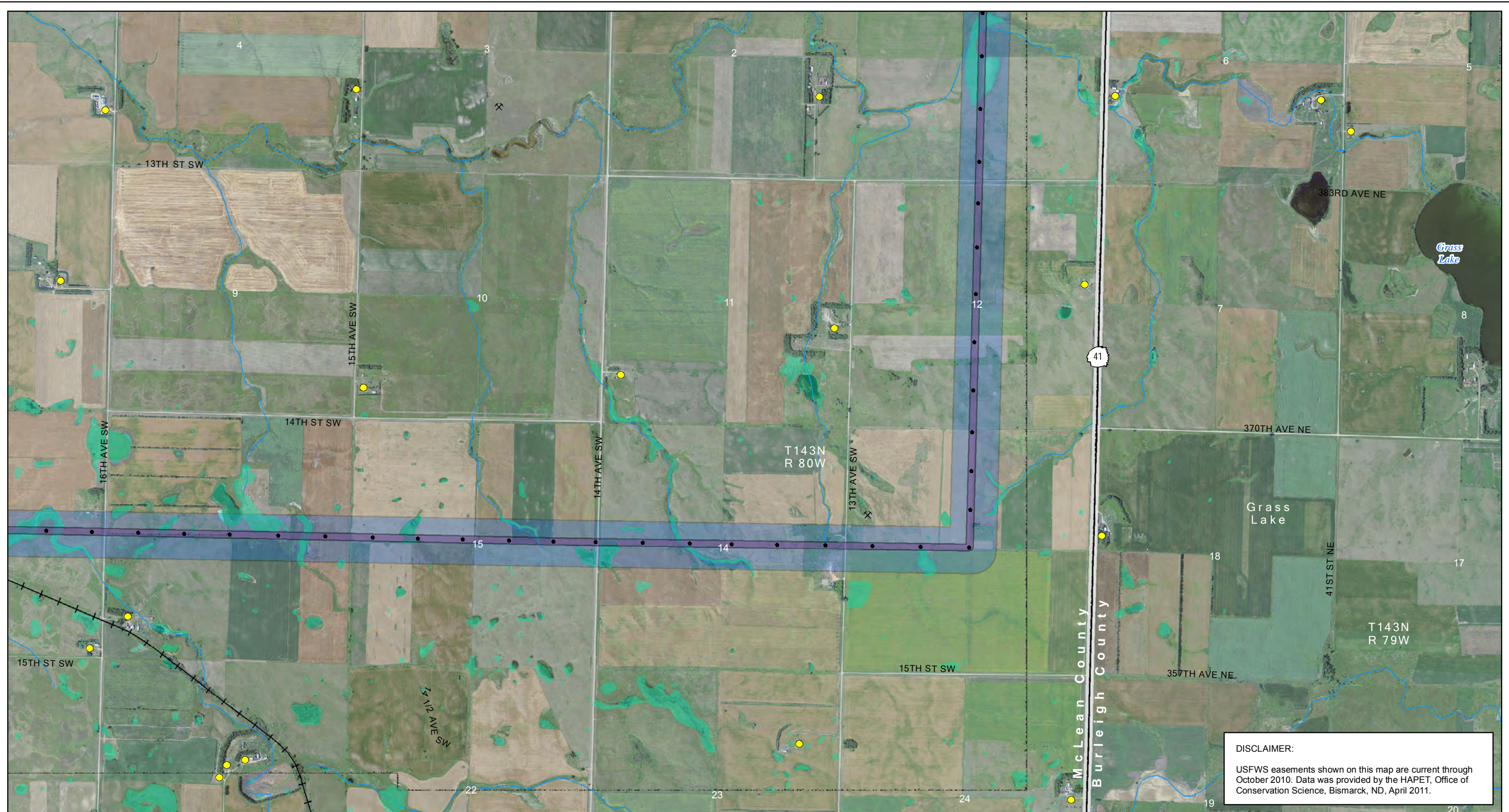
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Figure 2: Page 5 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

Scale 1:24,000

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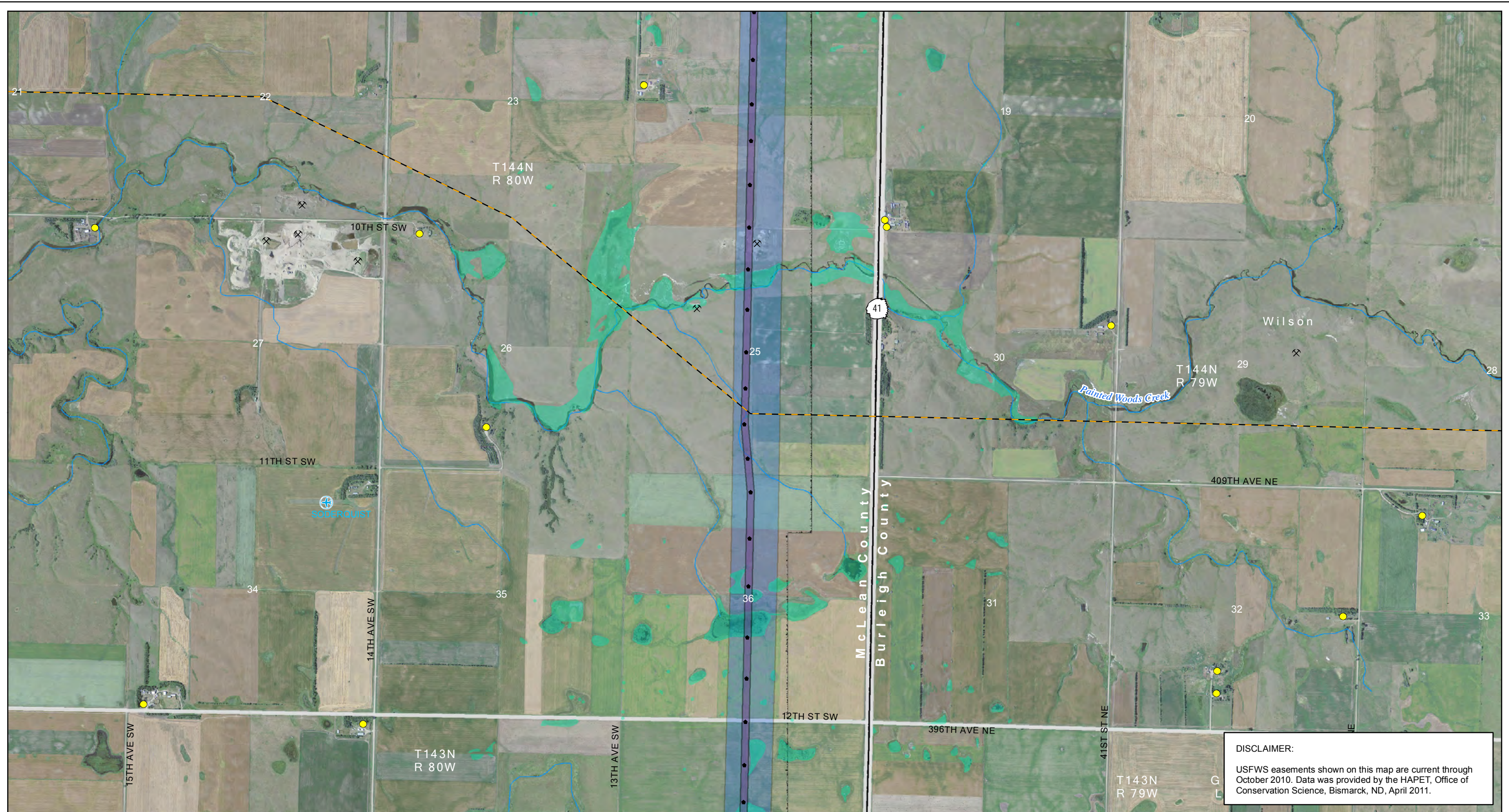
DISCLAIMER:
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Figure 2: Page 6 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

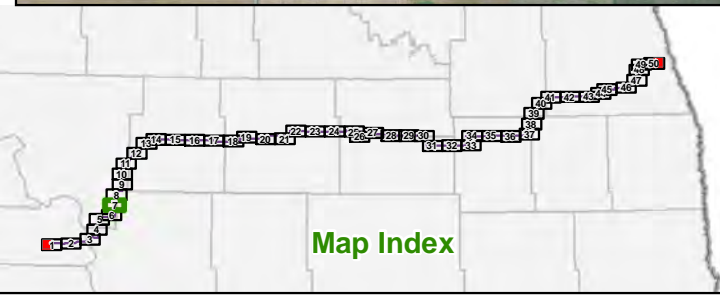
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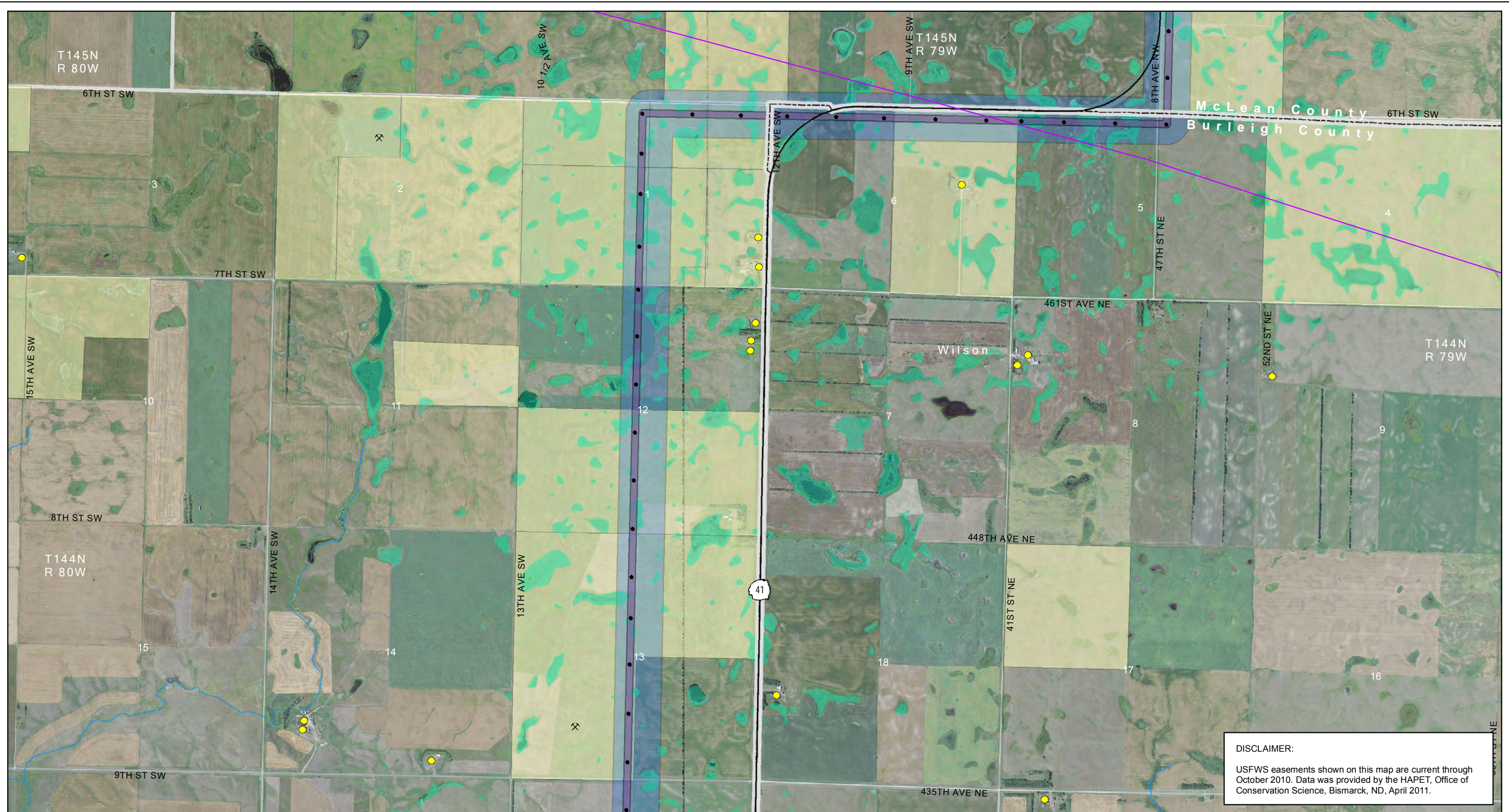
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Figure 2: Page 7 of 50
Route Siting Criteria
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

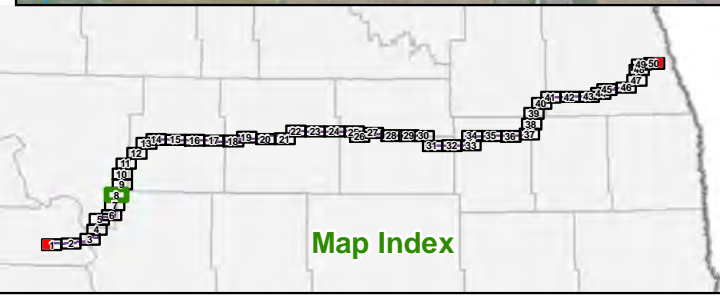
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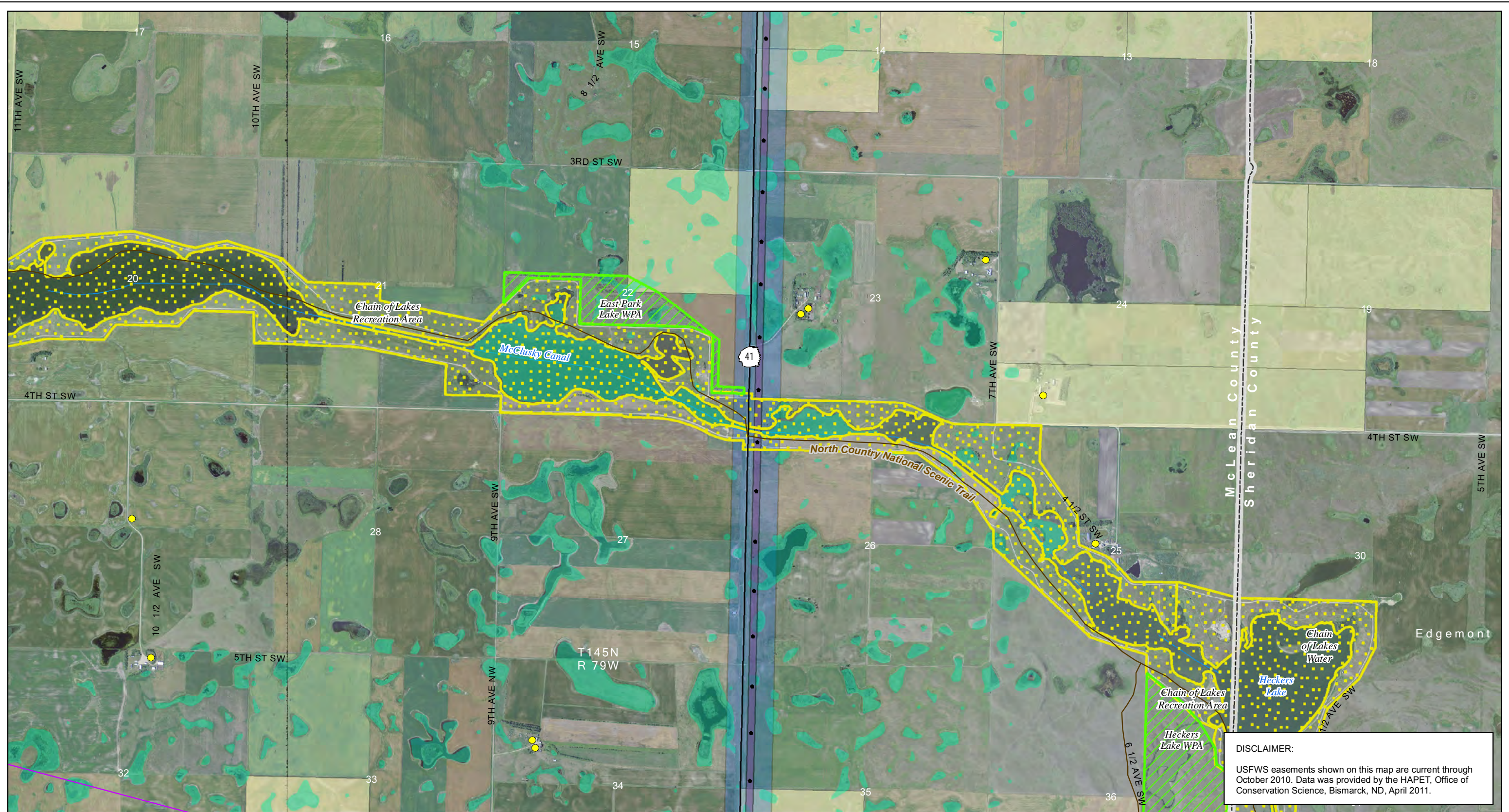
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Figure 2: Page 8 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

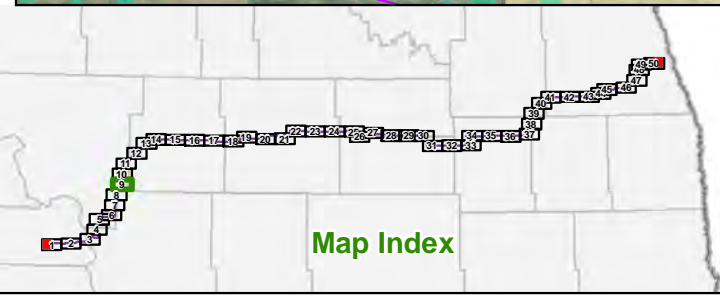
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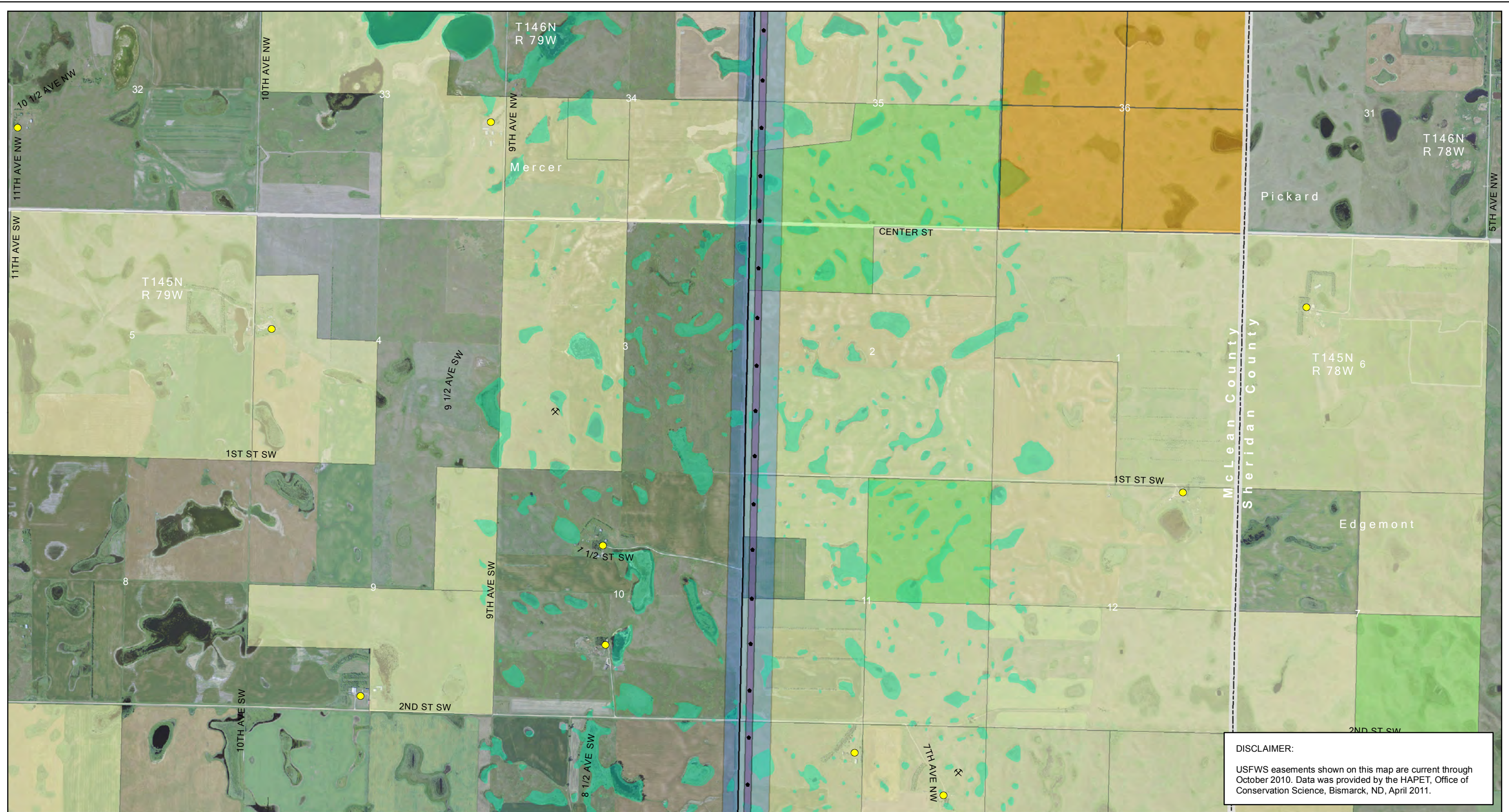


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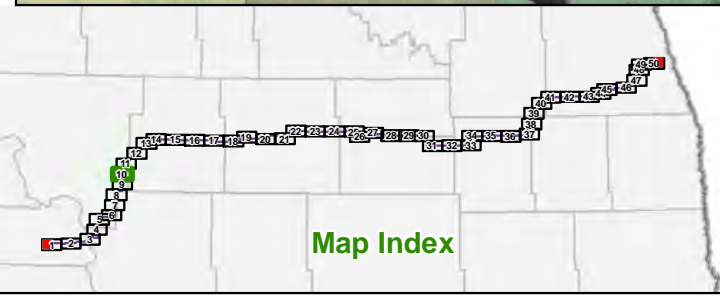
Figure 2: Page 9 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

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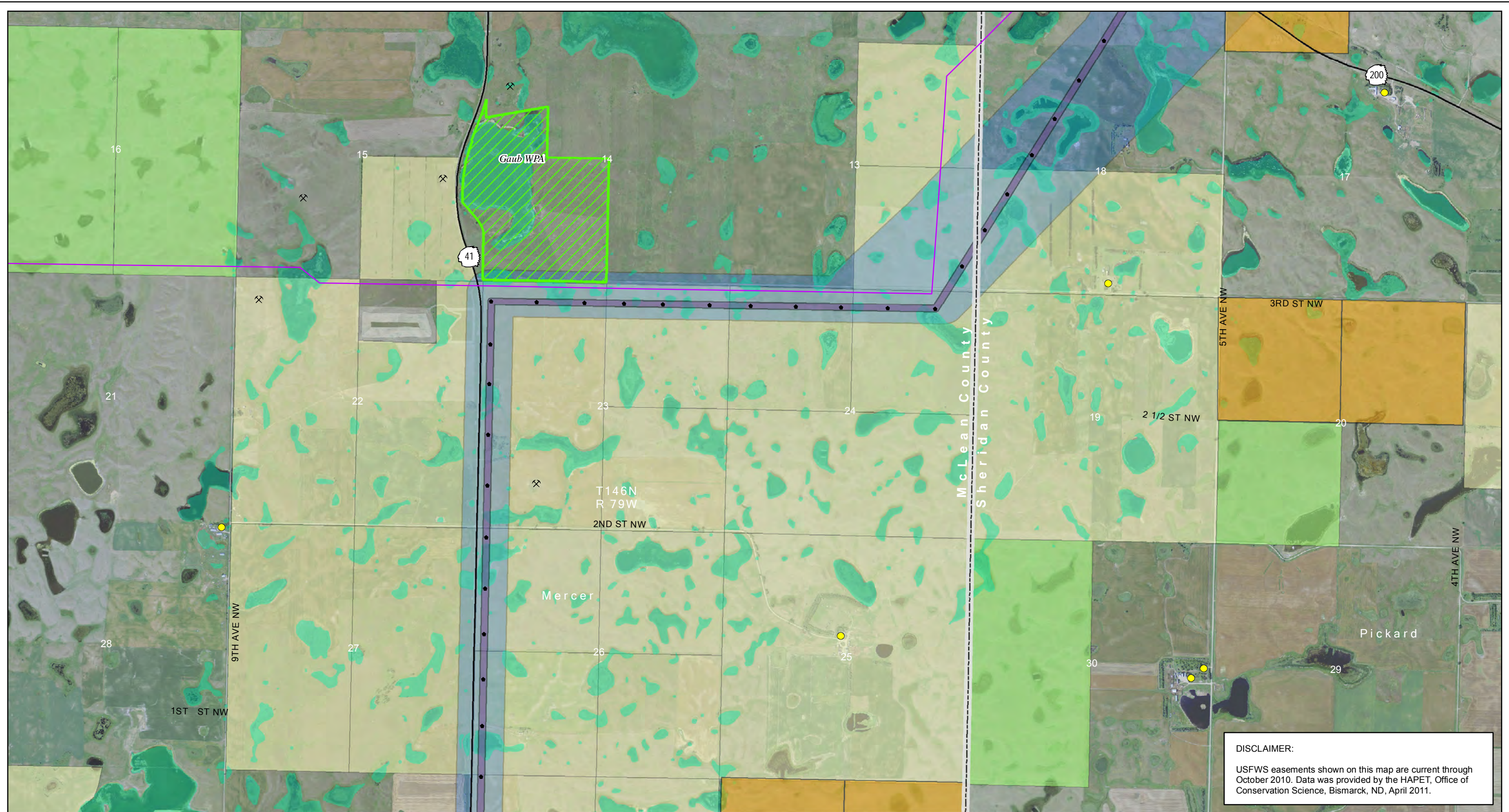


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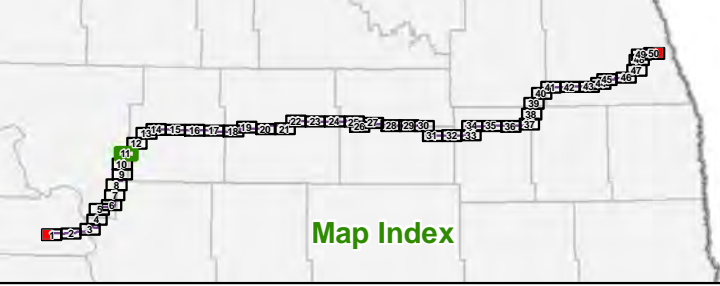
Figure 2: Page 10 of 50
Route Siting Criteria
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

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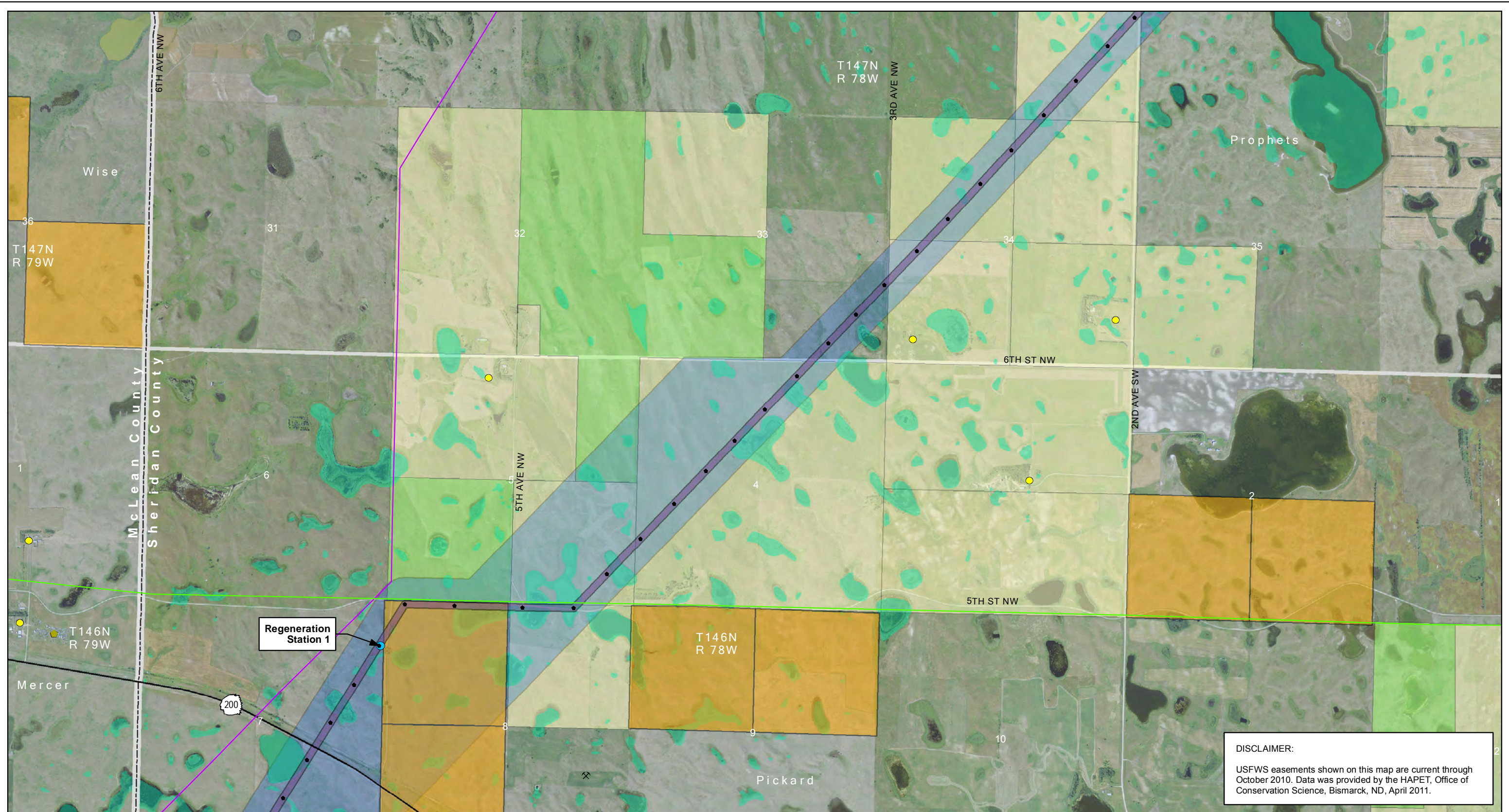
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Figure 2: Page 11 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

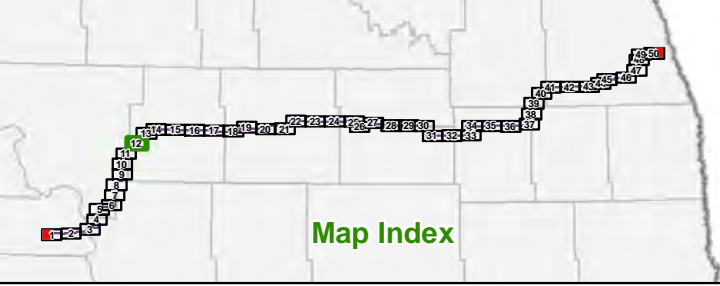
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Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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Figure 2: Page 12 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

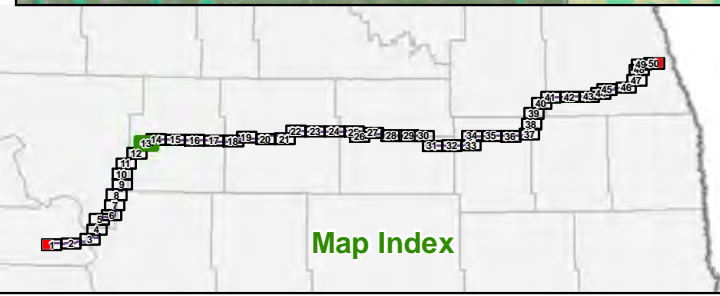
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Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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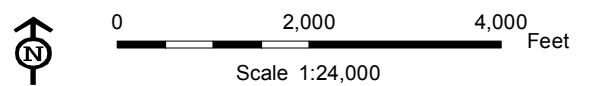


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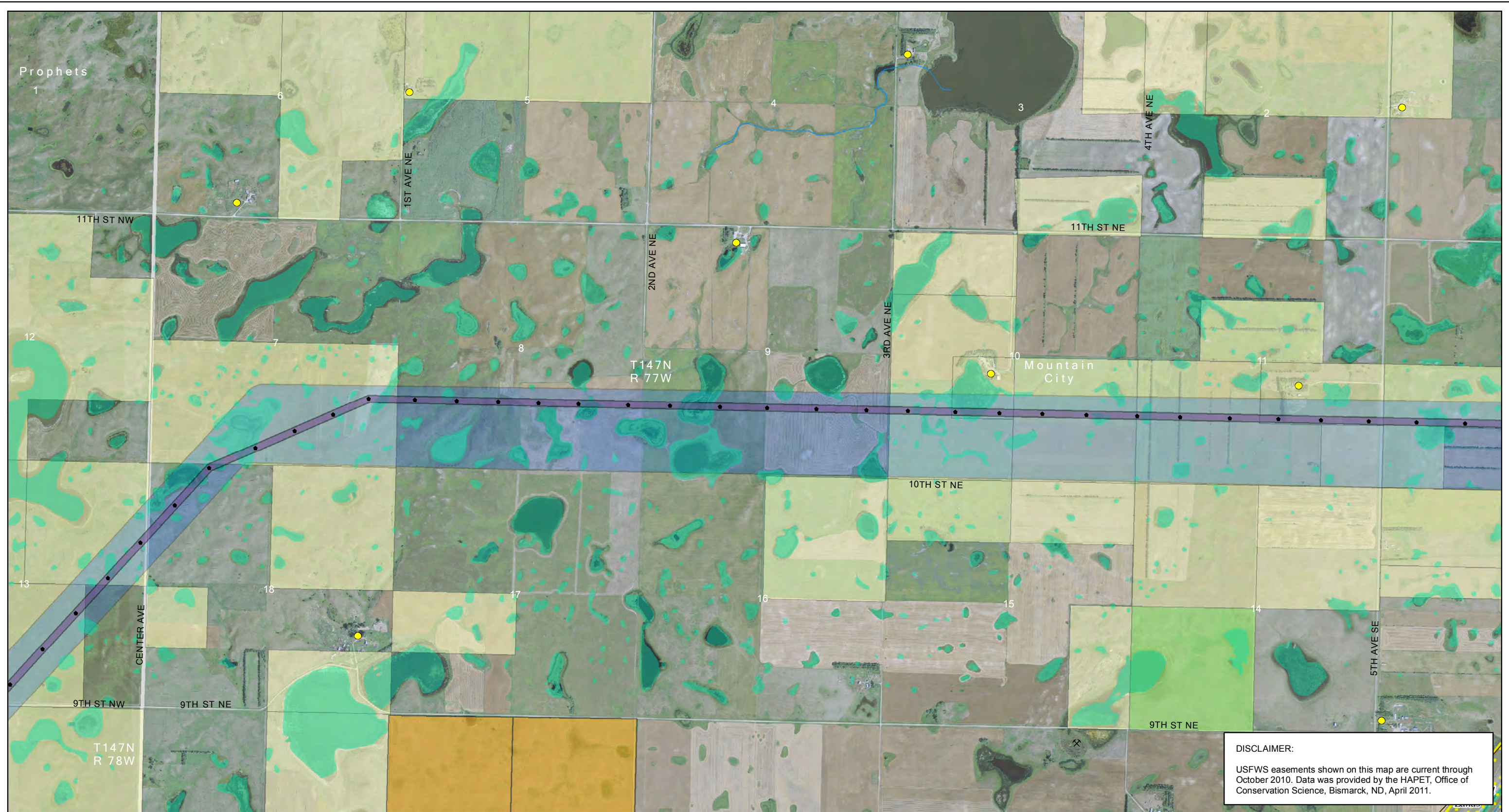
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Figure 2: Page 13 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

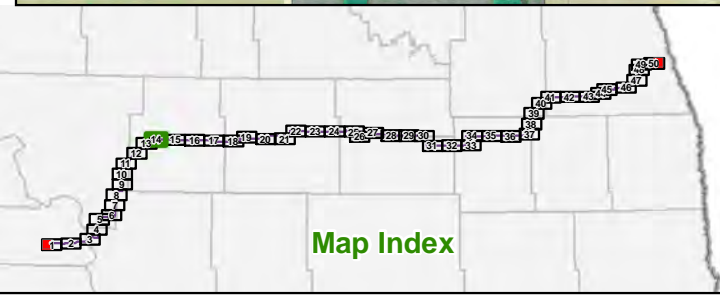


Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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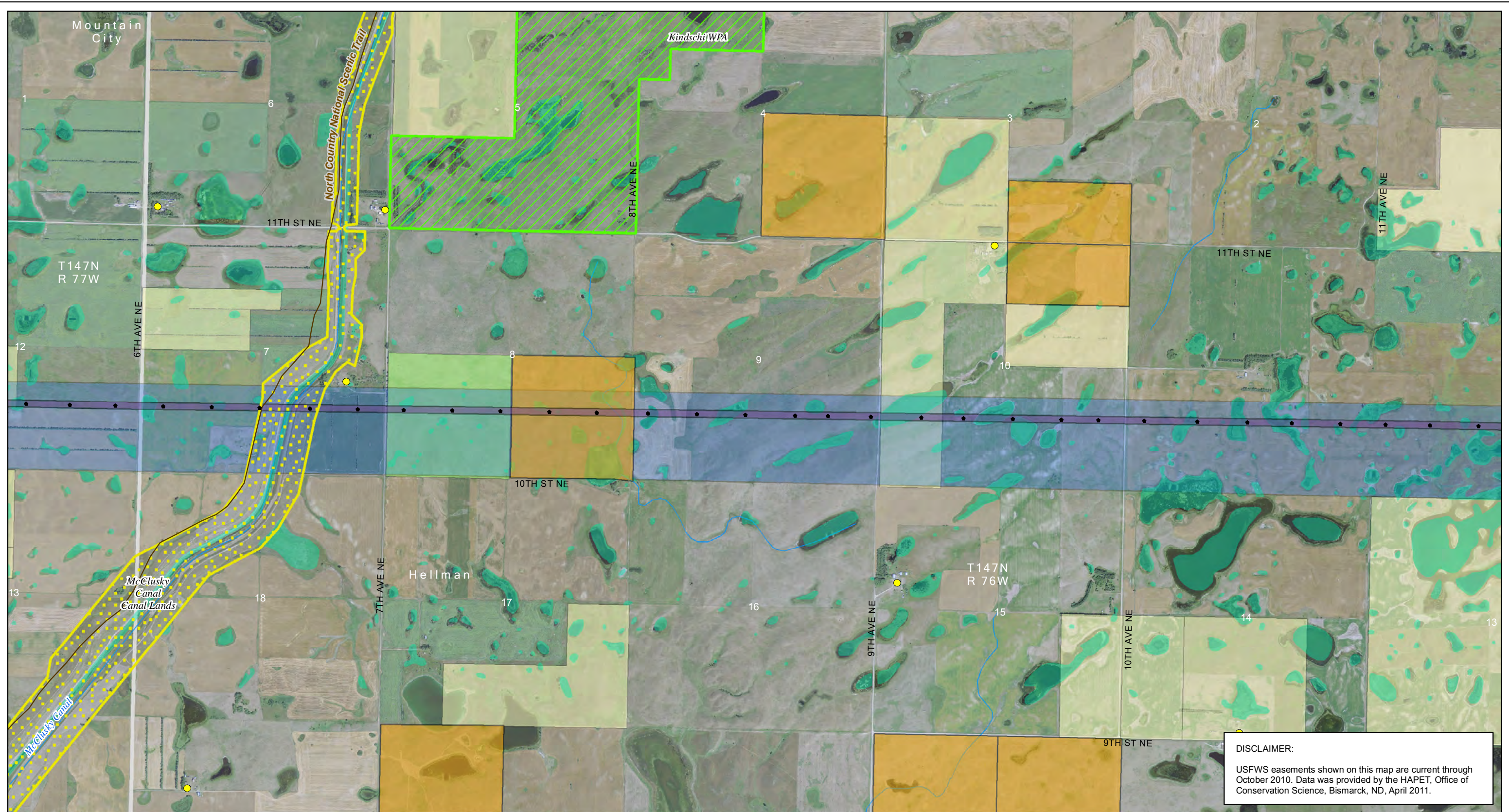
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Figure 2: Page 14 of 50
Route Siting Criteria
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

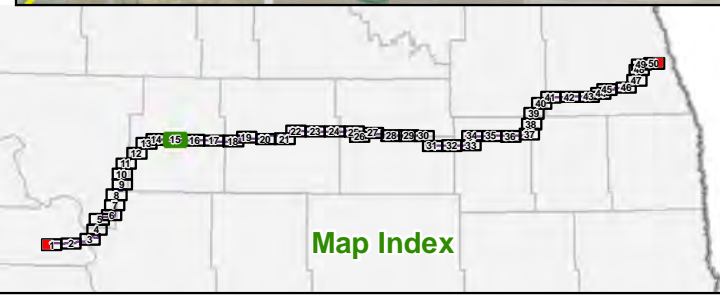
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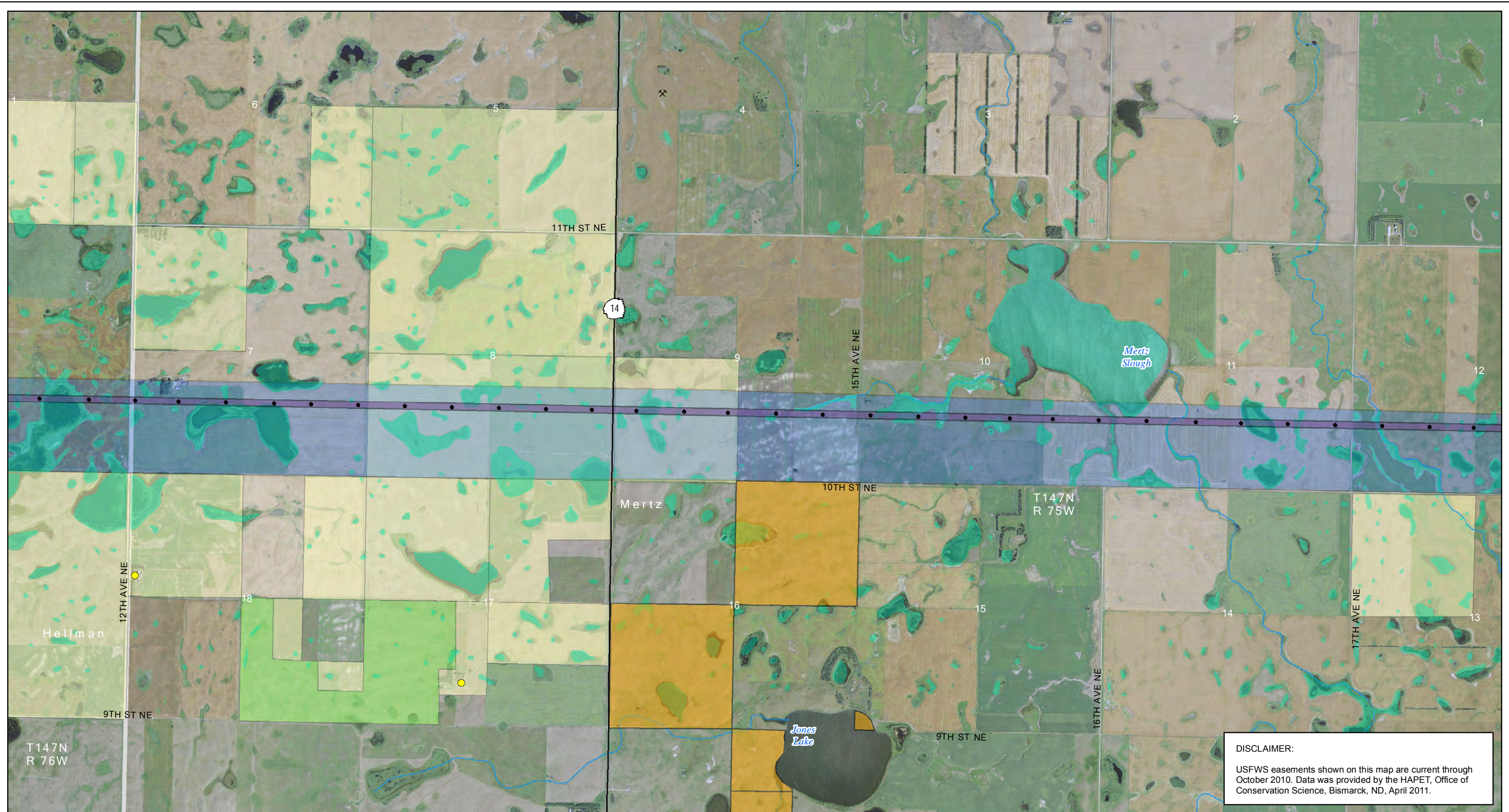
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Figure 2: Page 15 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

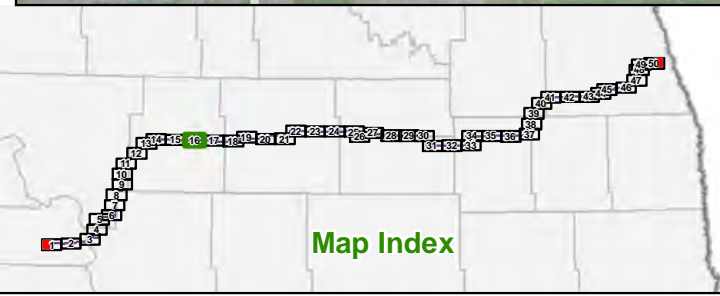
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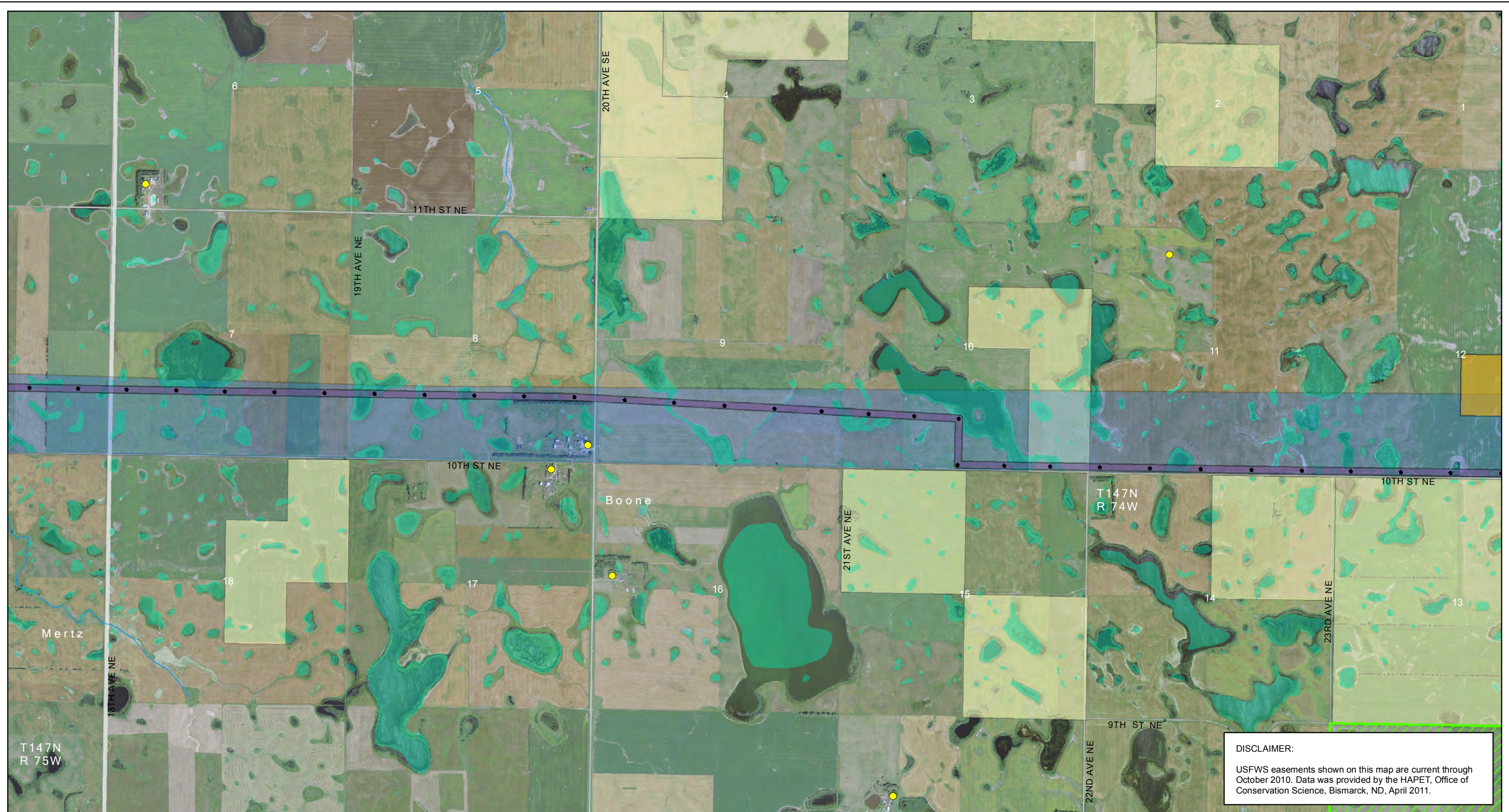
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Figure 2: Page 16 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.

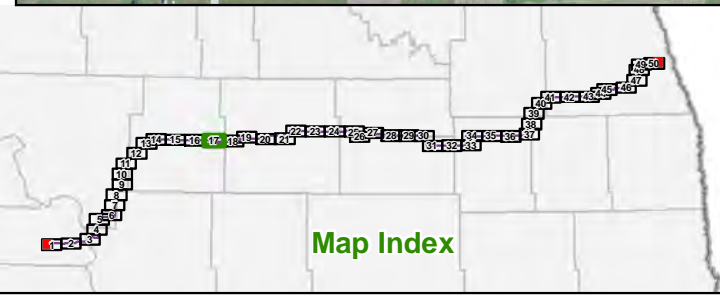
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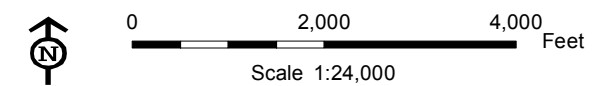


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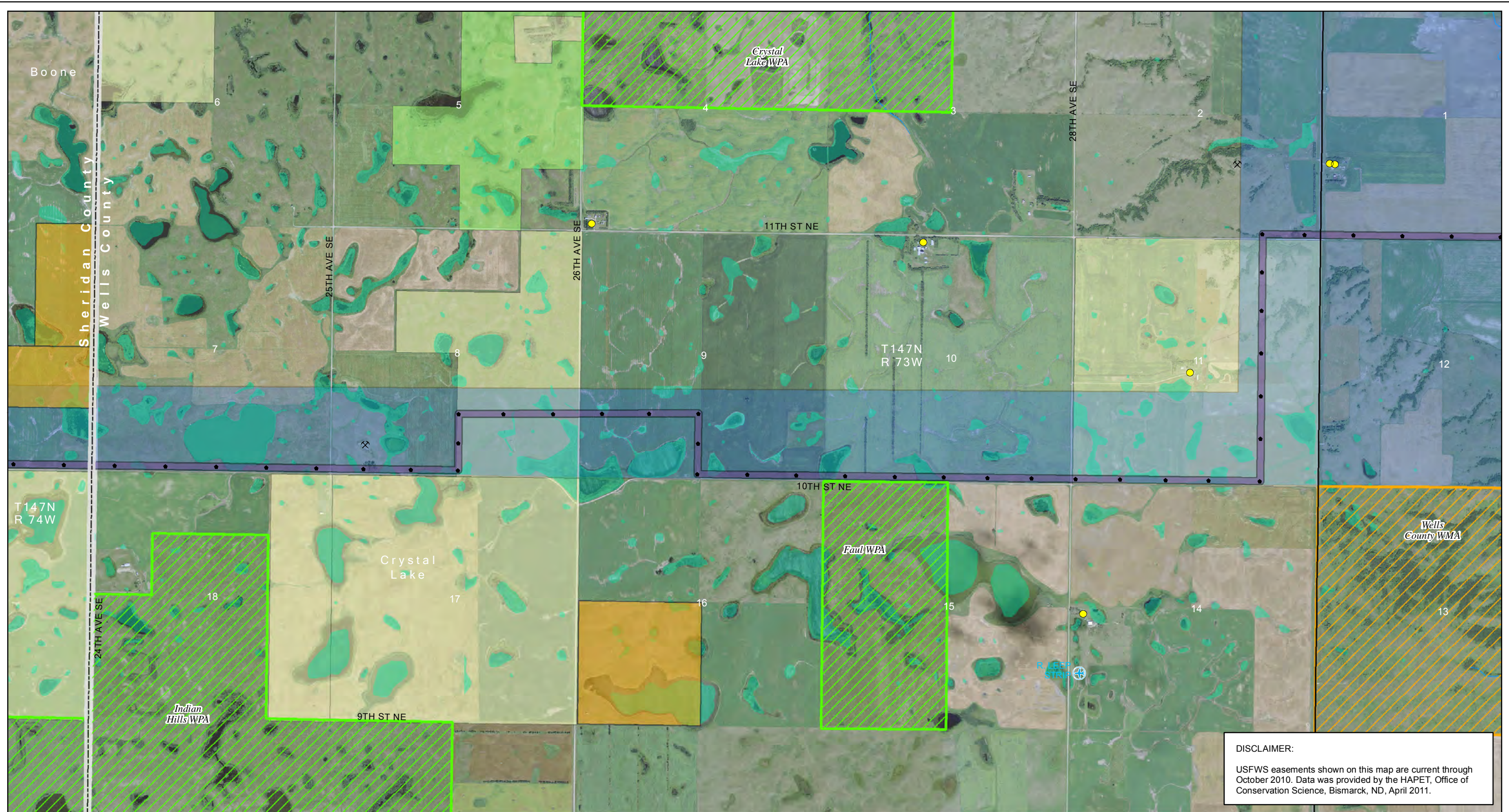
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Figure 2: Page 17 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.

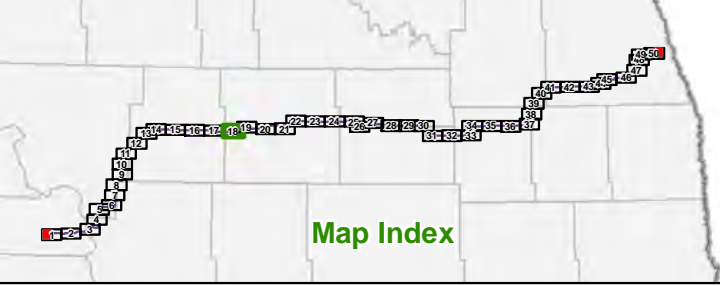


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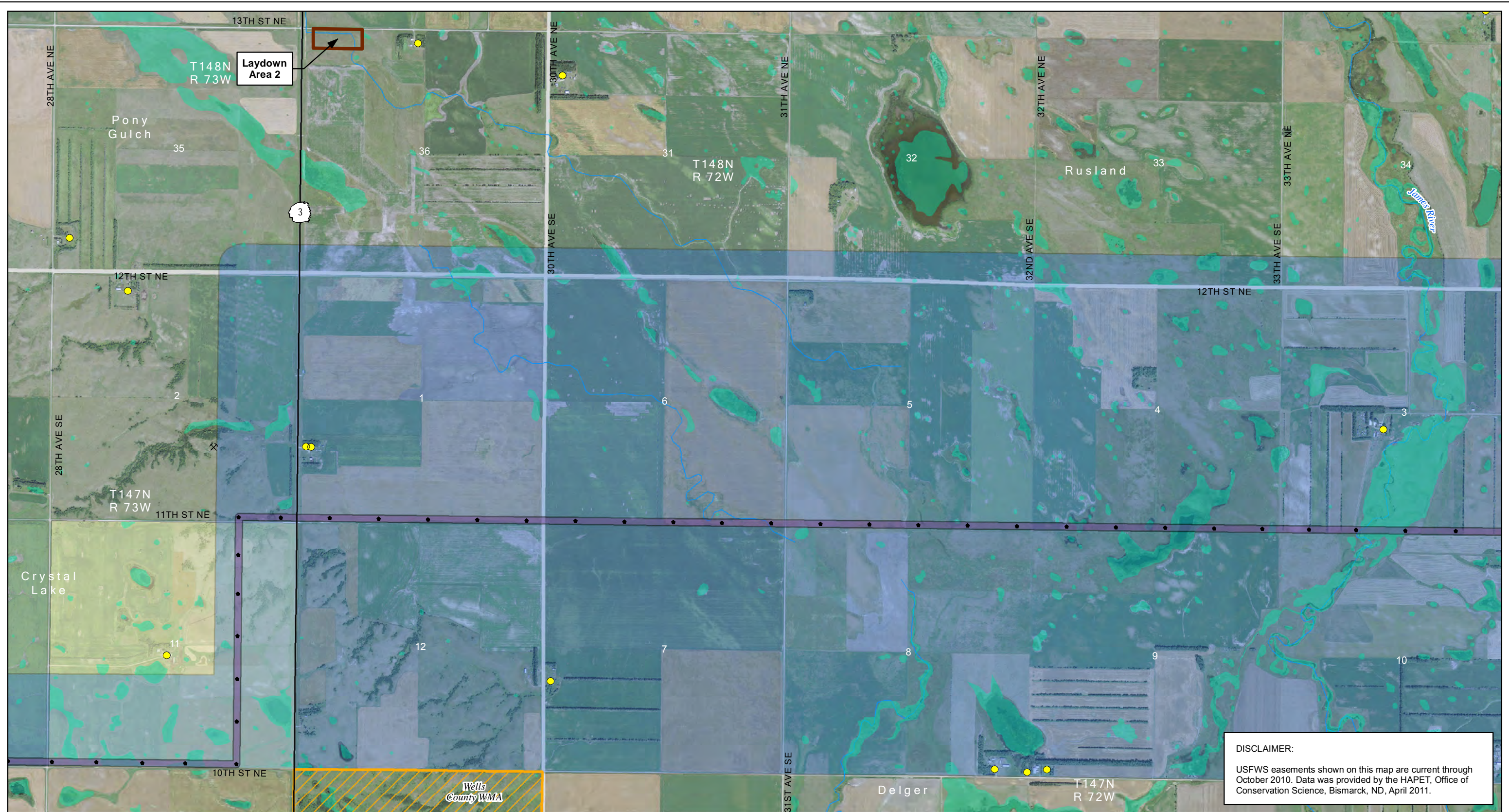
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Figure 2: Page 18 of 50
Route Siting Criteria
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

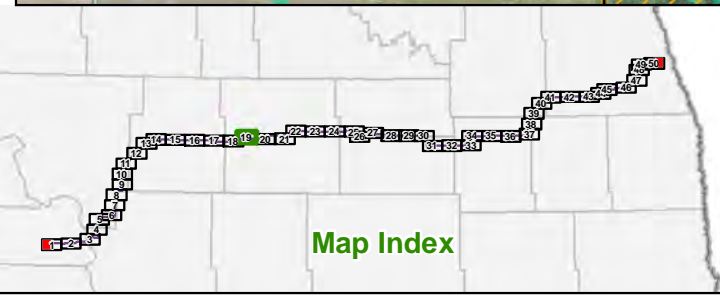
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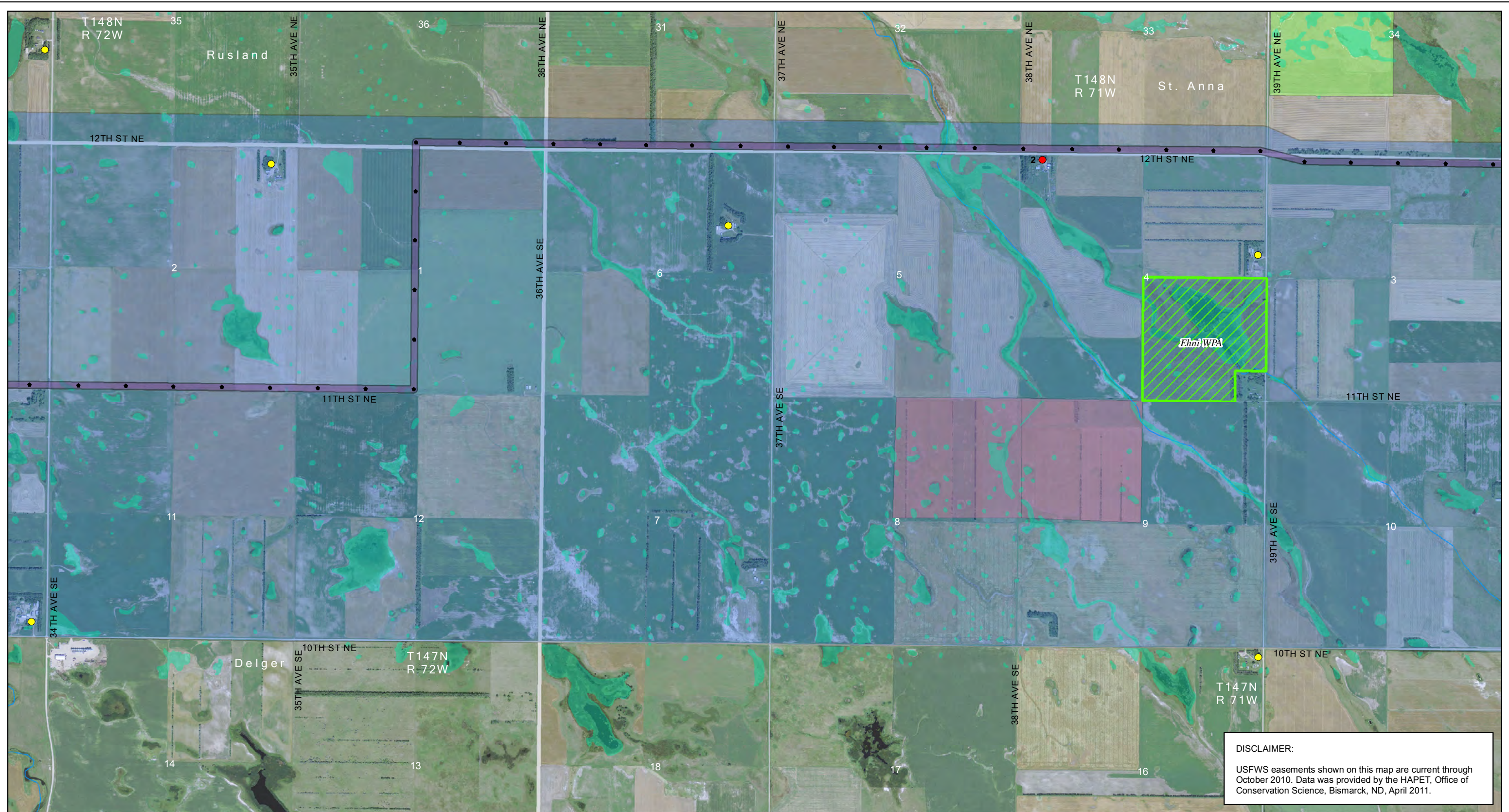
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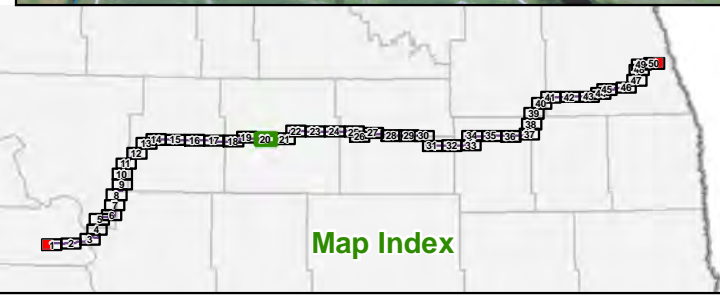
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Figure 2: Page 19 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

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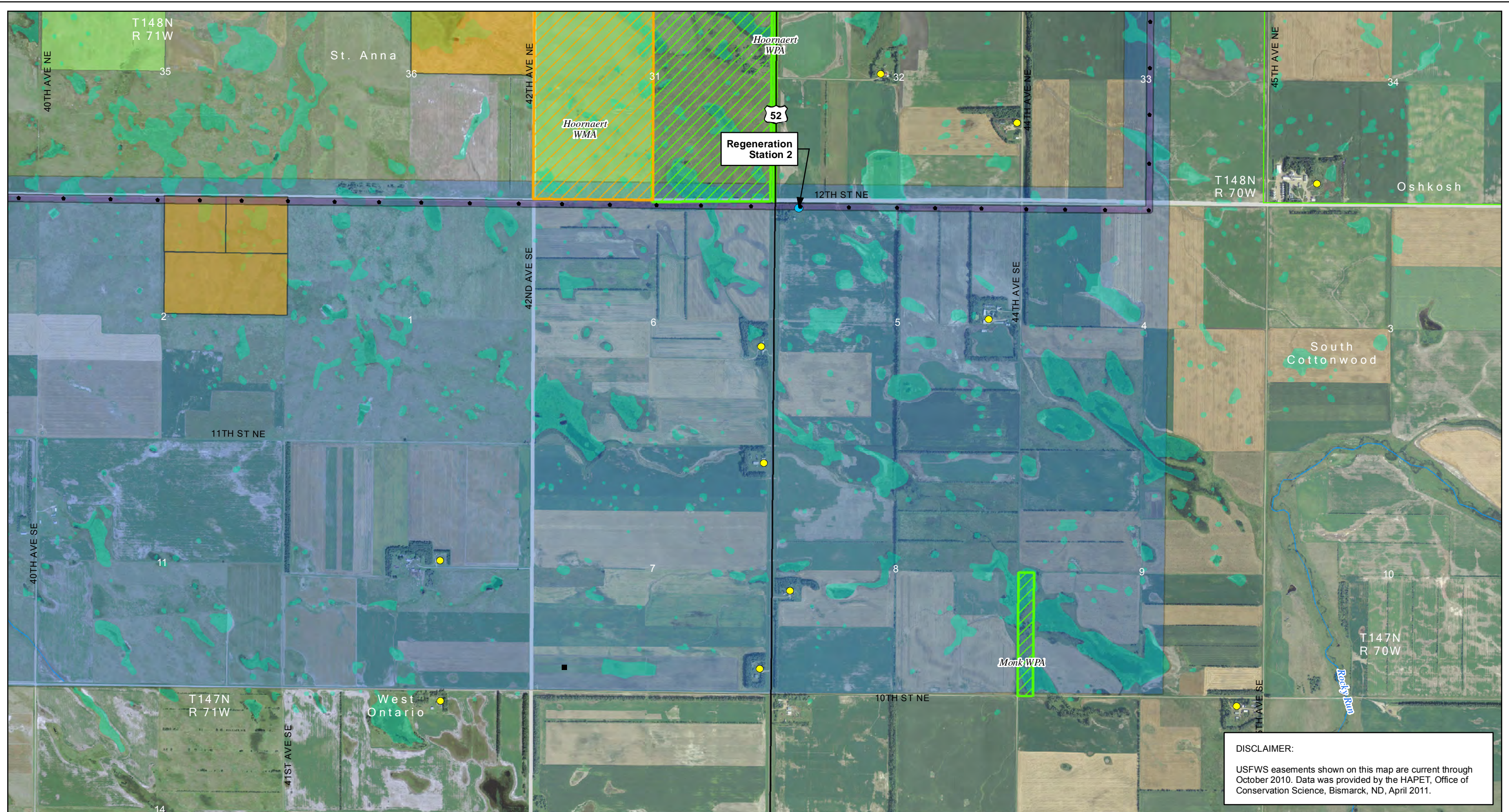


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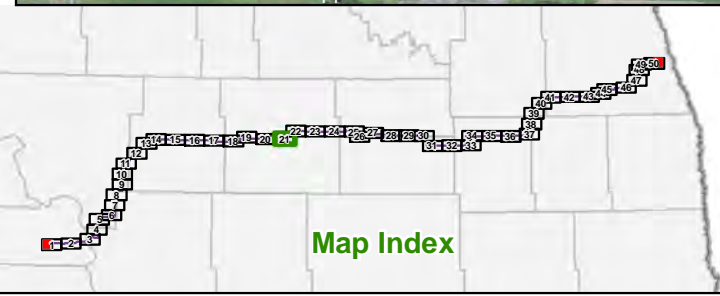
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 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

Scale 1:24,000

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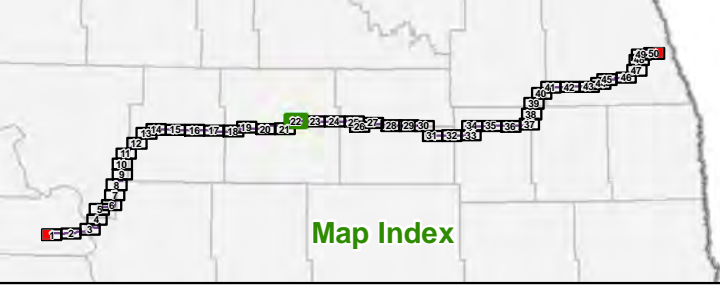
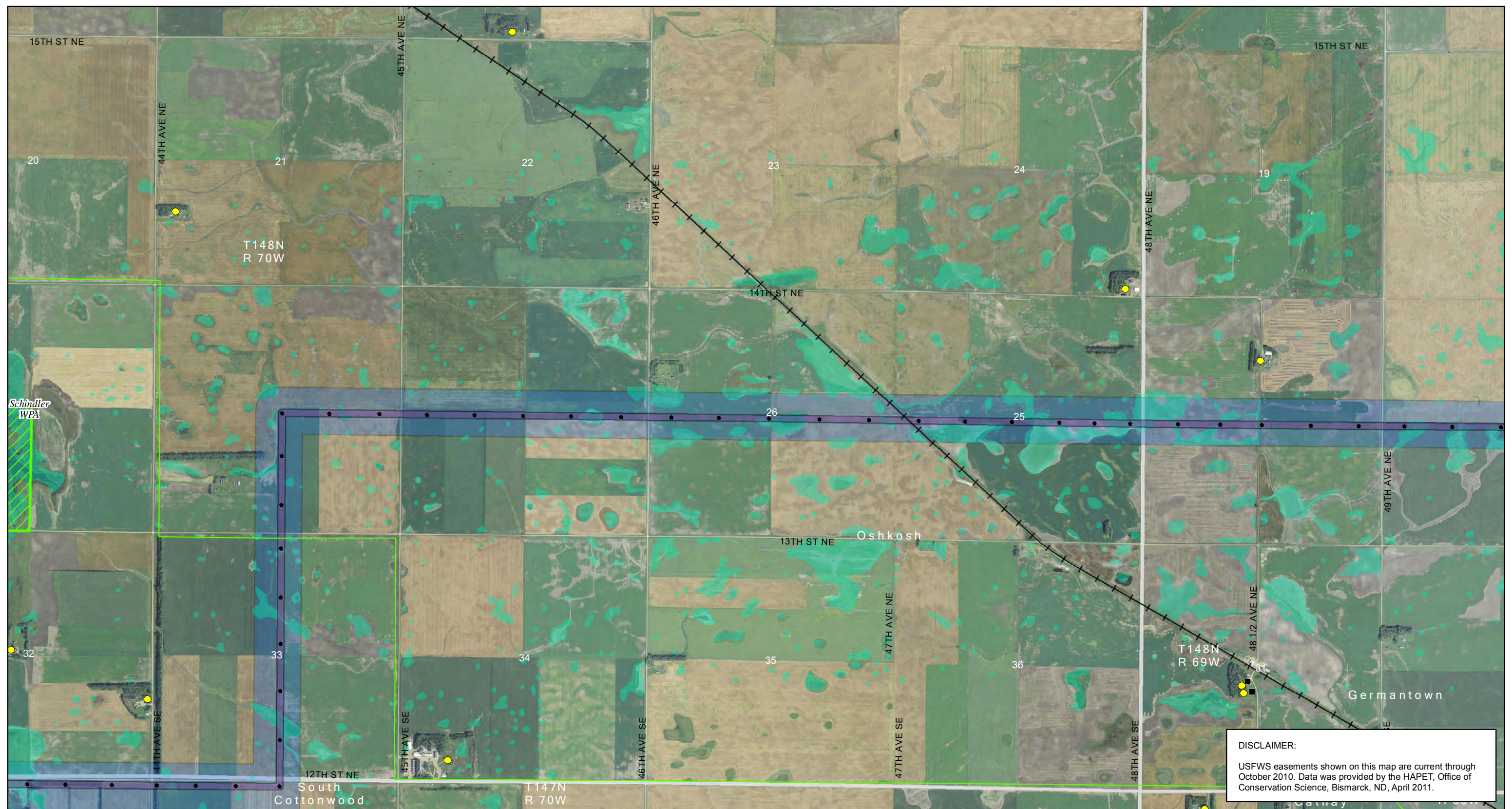
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Figure 2: Page 21 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

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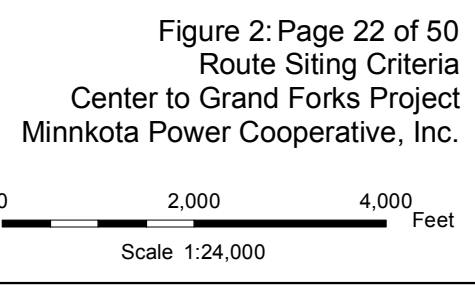
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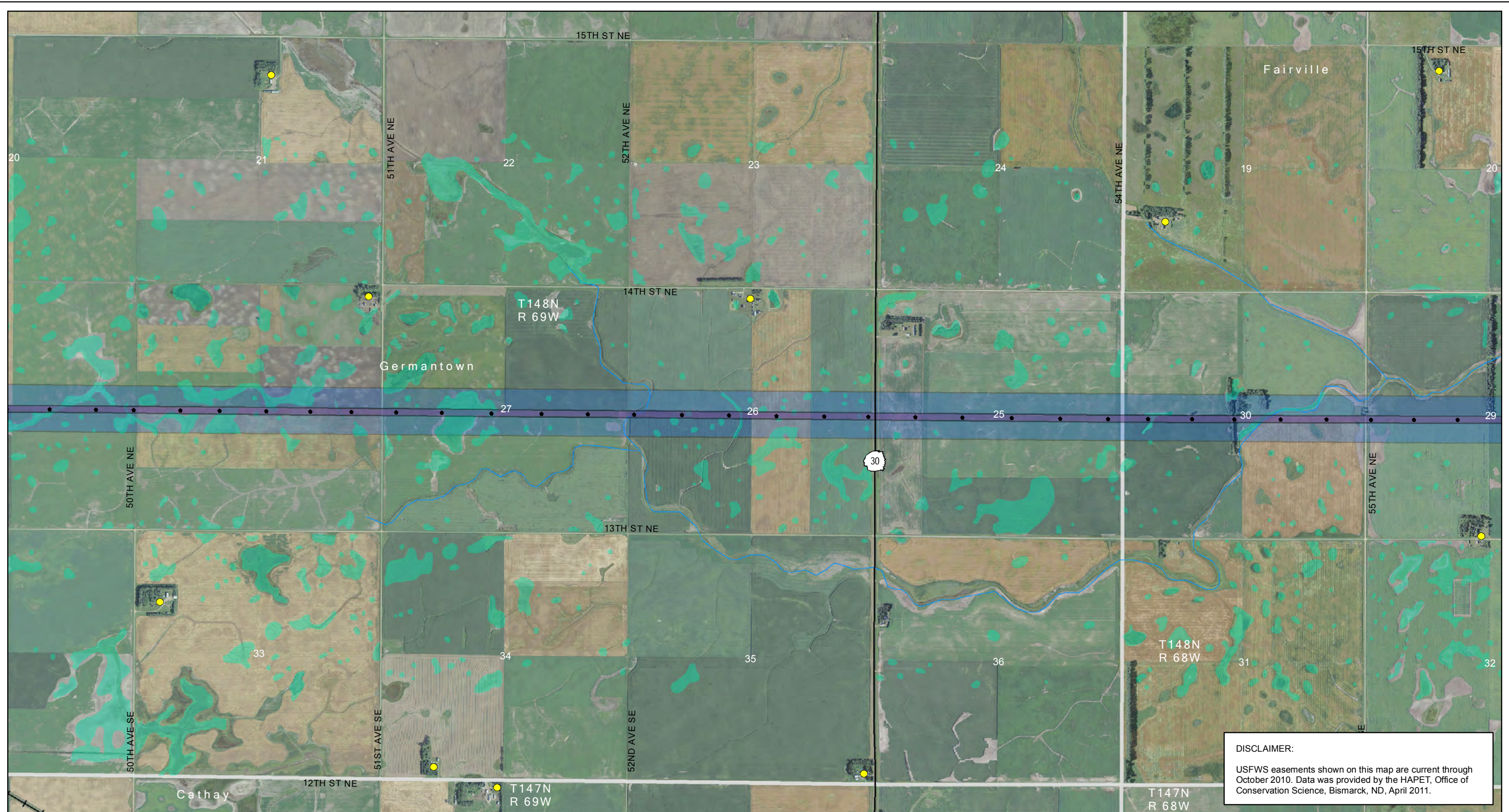


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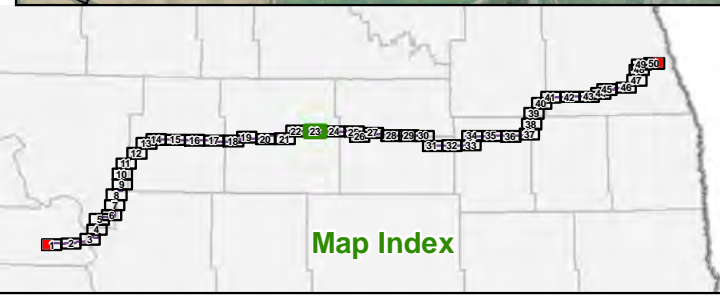
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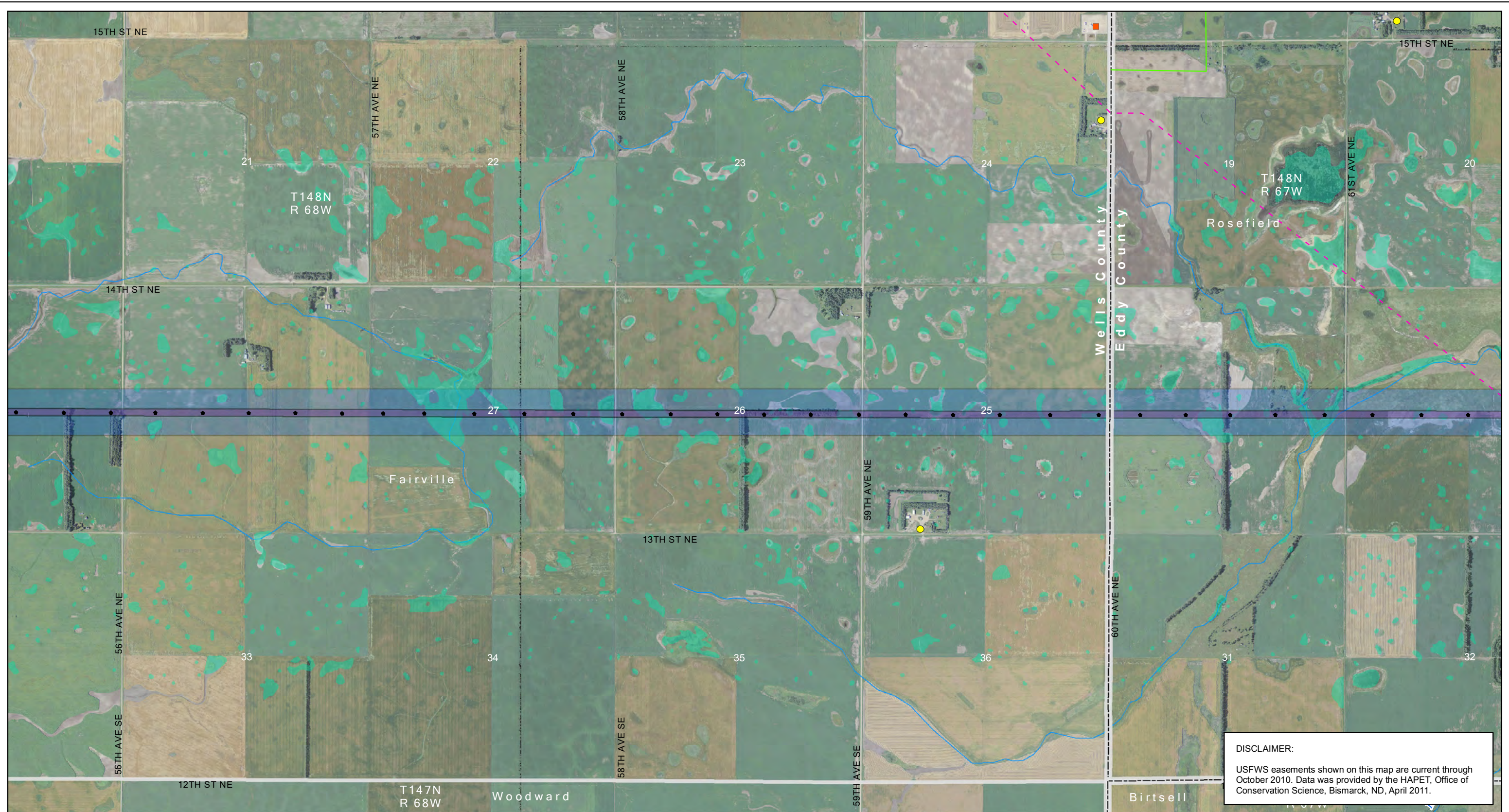
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Figure 2: Page 23 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.

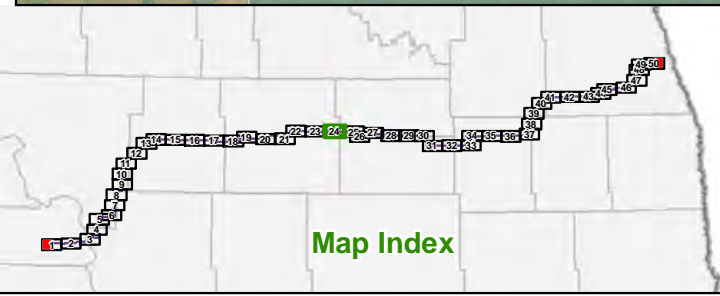
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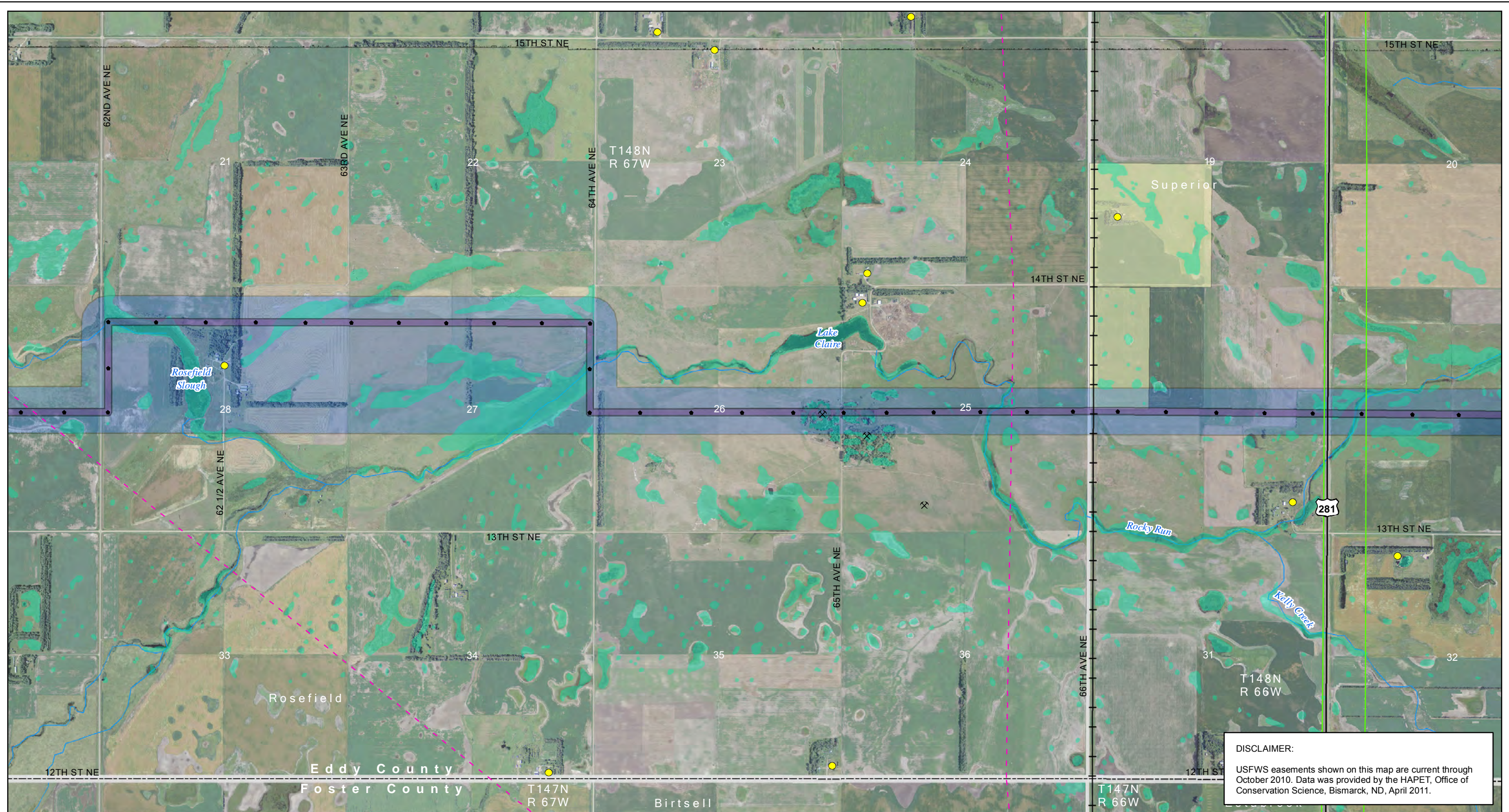
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Figure 2: Page 24 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

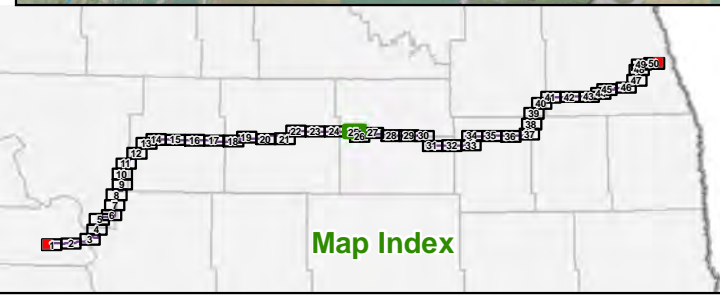
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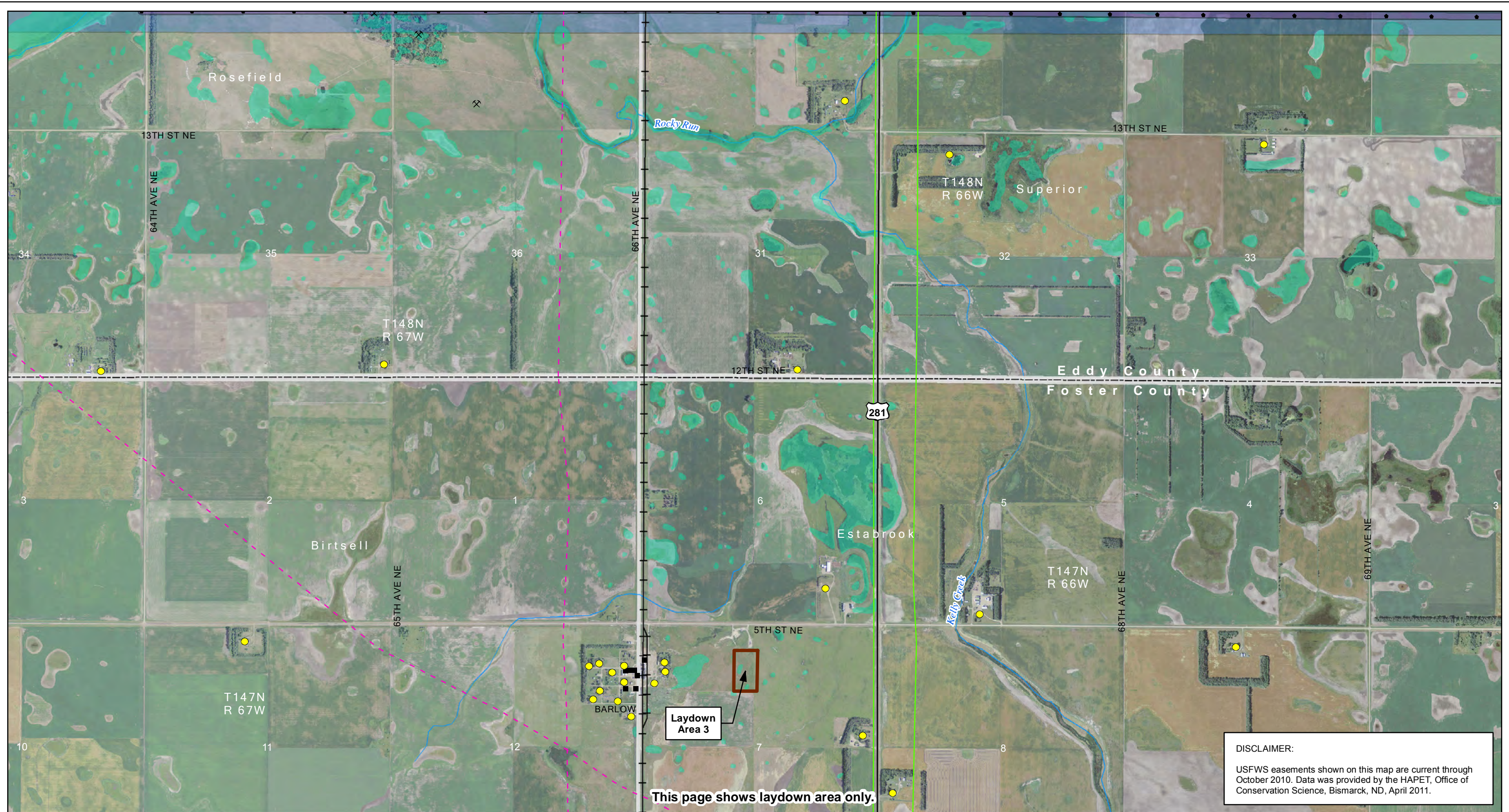
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| <ul style="list-style-type: none"> Project ROW Project Structure Proposed Modified Corridor - November 18, 2011 Substation Laydown Area Fiber Optic Regeneration Station | <ul style="list-style-type: none"> Existing Transmission Lines 400-KV DC 345-KV AC 250-KV DC 230-KV AC 115-kV or less AC Gas or Oil Pipeline | <ul style="list-style-type: none"> Occupiable Home within 500 ft of Transmission Facility Not Occupiable Home within 500 ft of Transmission Facility Occupiable Home beyond 500 ft of Transmission Facility School Business | <ul style="list-style-type: none"> Gravel Pit or Mine Dump or Landfill Irrigated Land Public Airport Private Airport Incorporated Area In-Use Railroad | <ul style="list-style-type: none"> State Park, Recreation Area or WMA USFWS WPA or WDA USFWS NWR USBOR Land TNC Preserve State Trust Land 100-year Floodplain | <ul style="list-style-type: none"> Wetland USGS Mapped Waterway USFWS Grassland Easement USFWS Wetland Easement USFWS Conservation Easement |
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Figure 2: Page 25 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

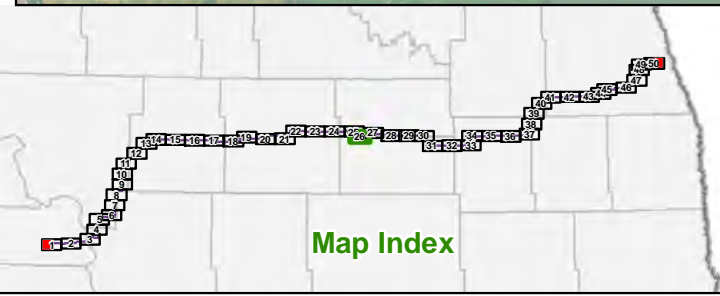
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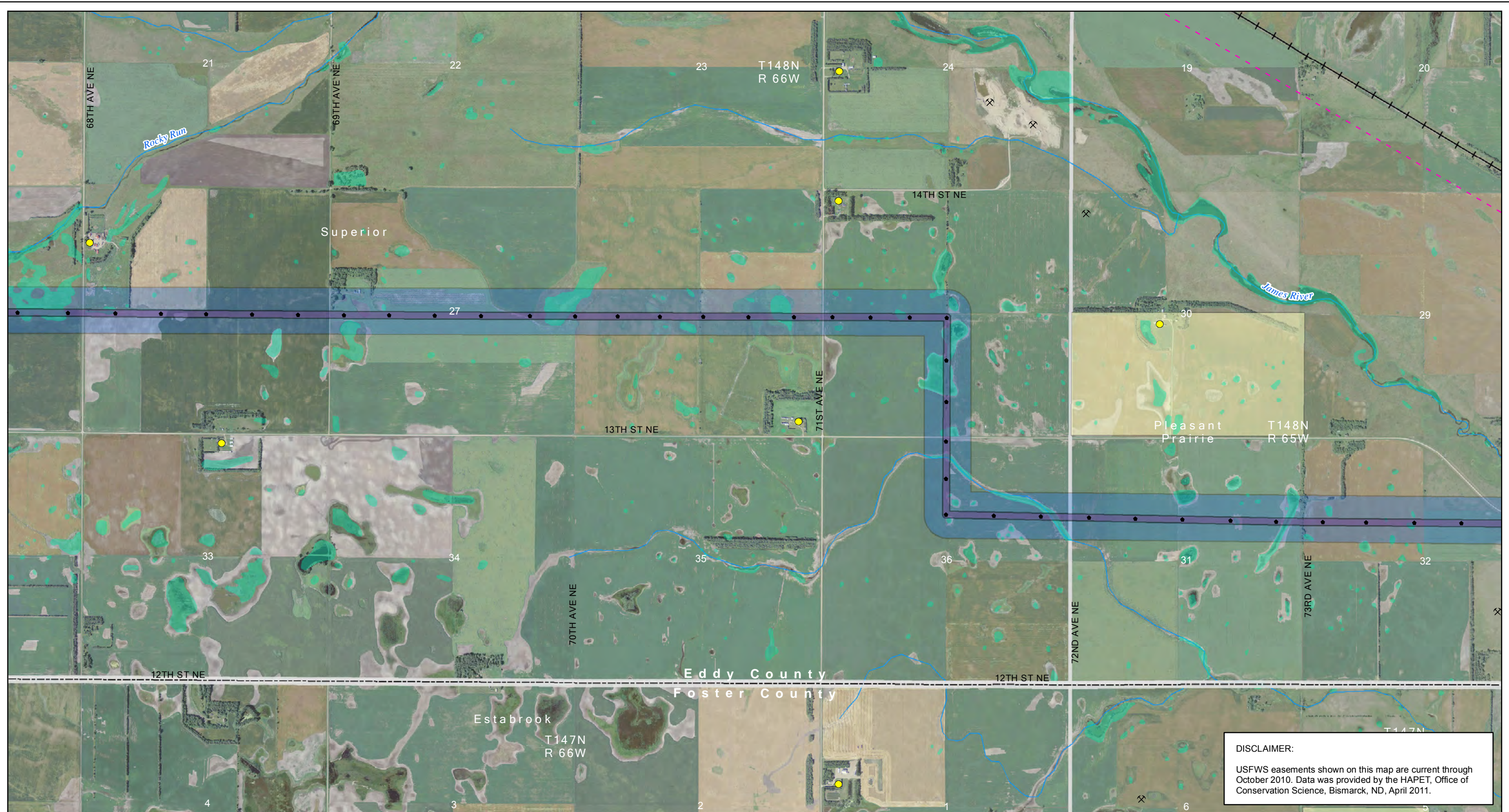
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Figure 2: Page 26 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

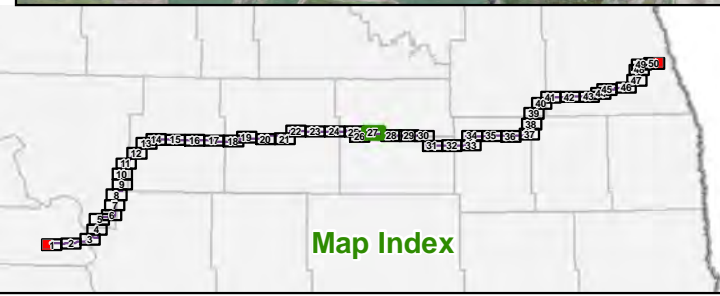
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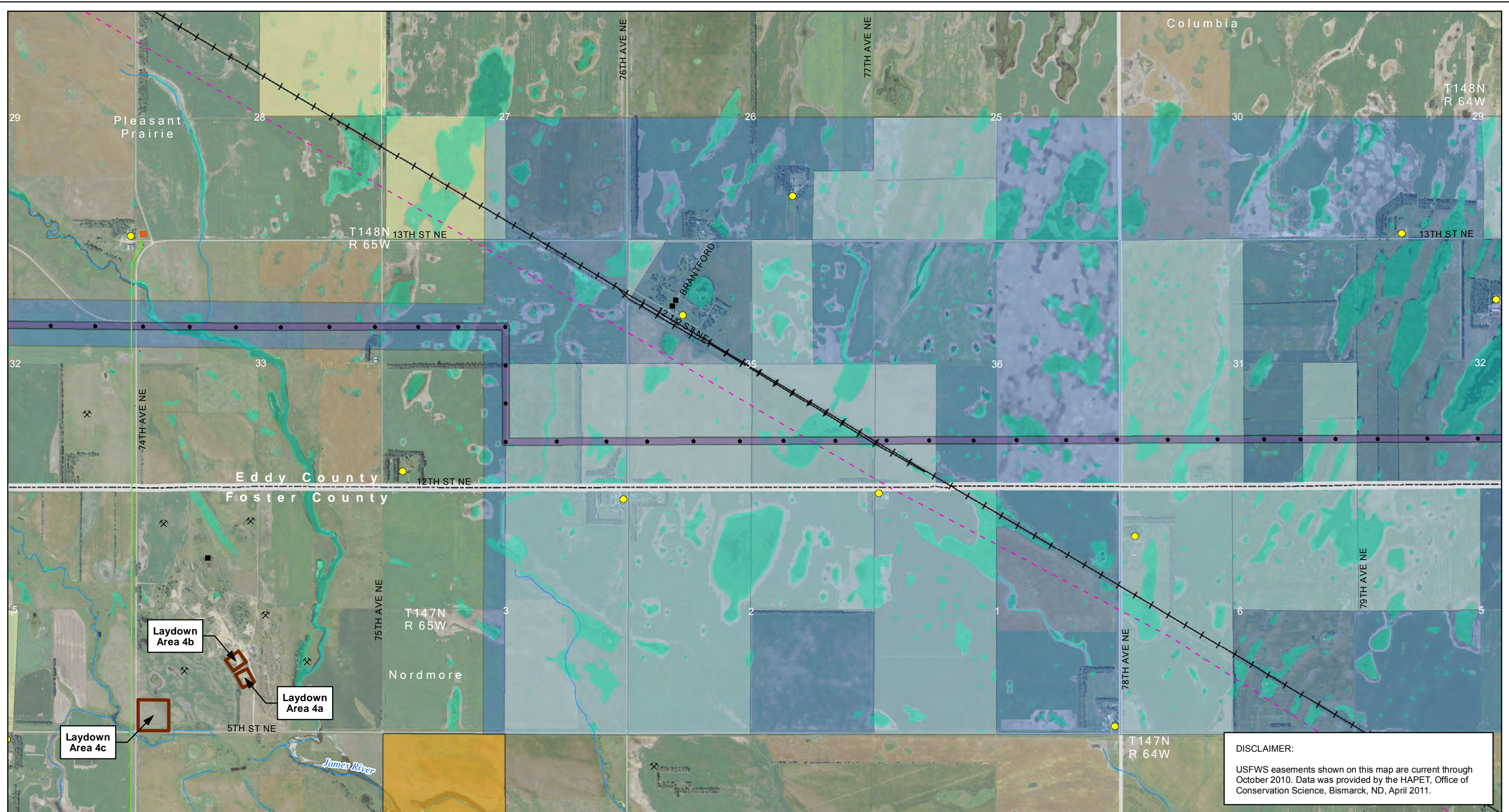
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Figure 2: Page 27 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

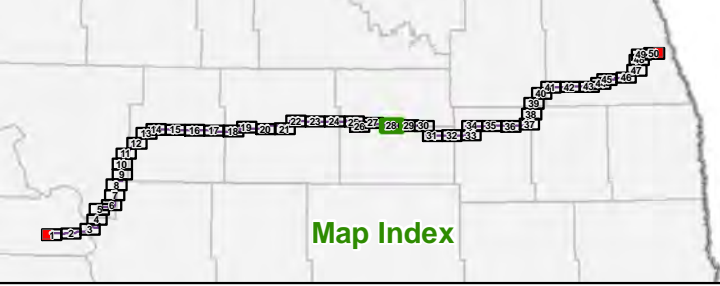
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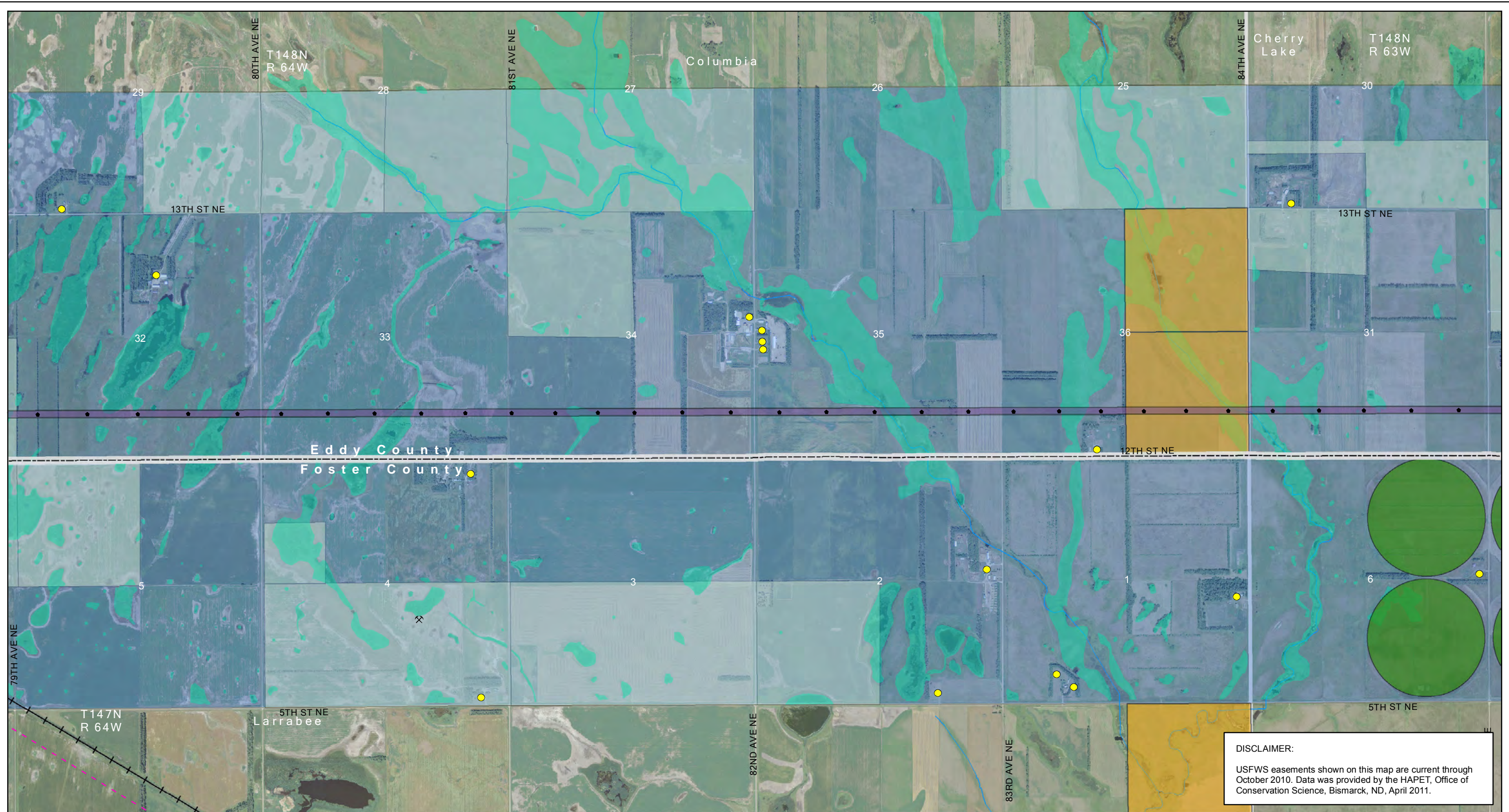
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Figure 2: Page 28 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

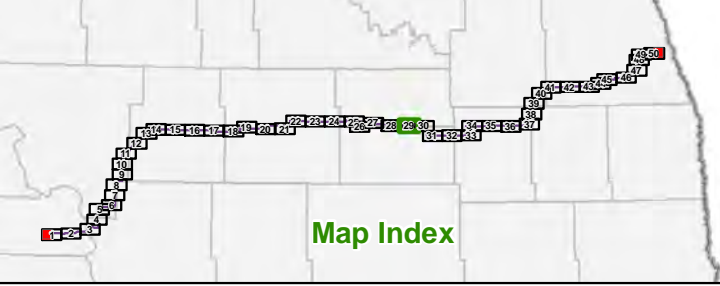
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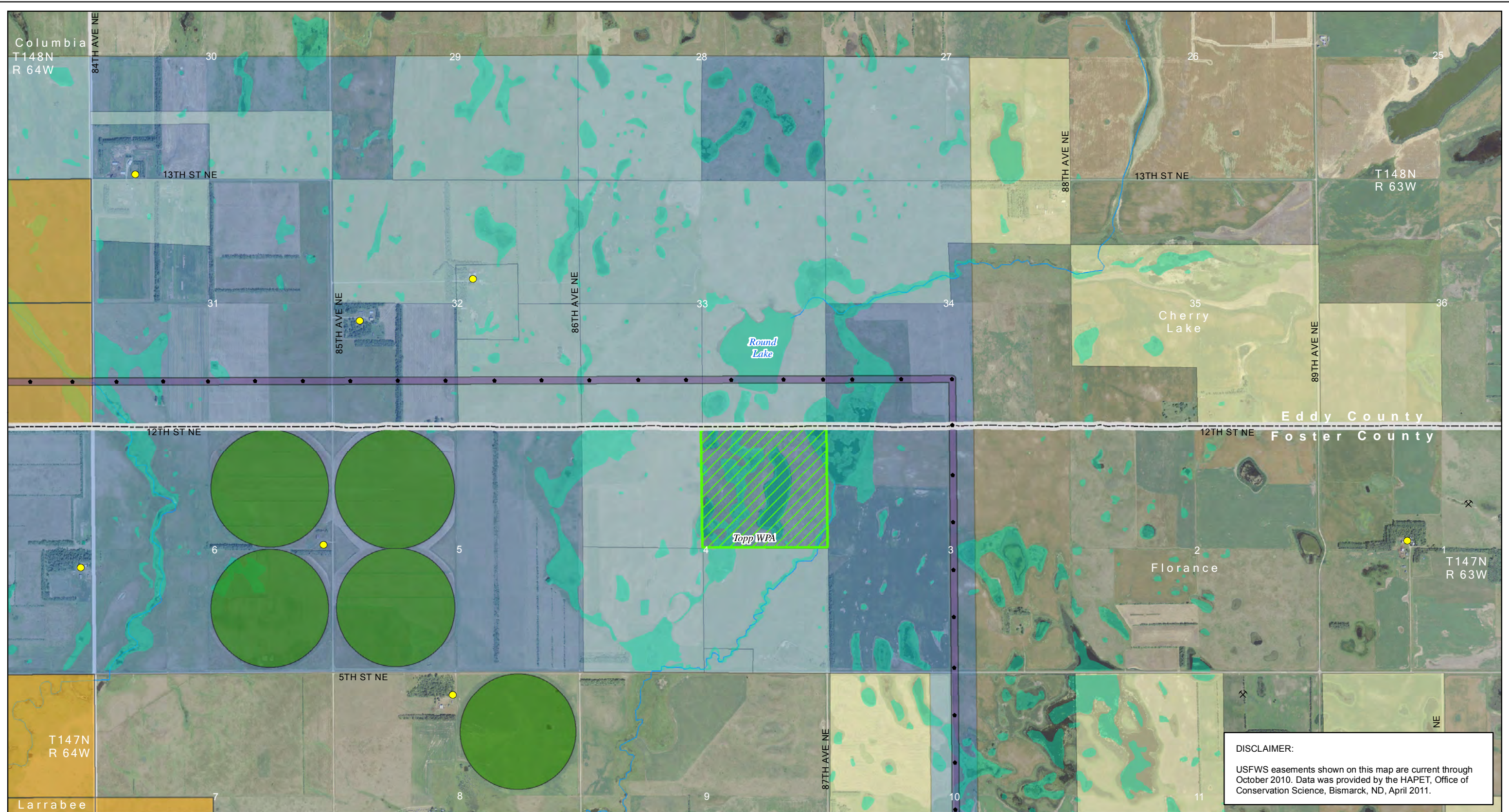
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Figure 2: Page 29 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

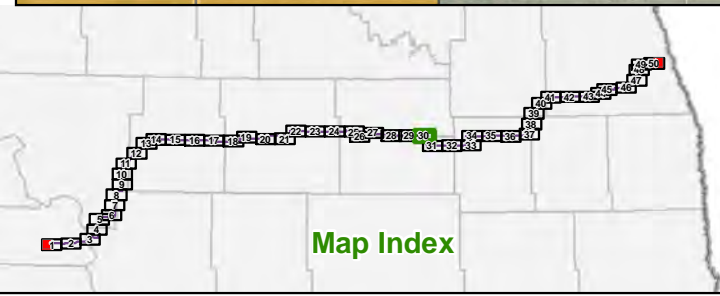
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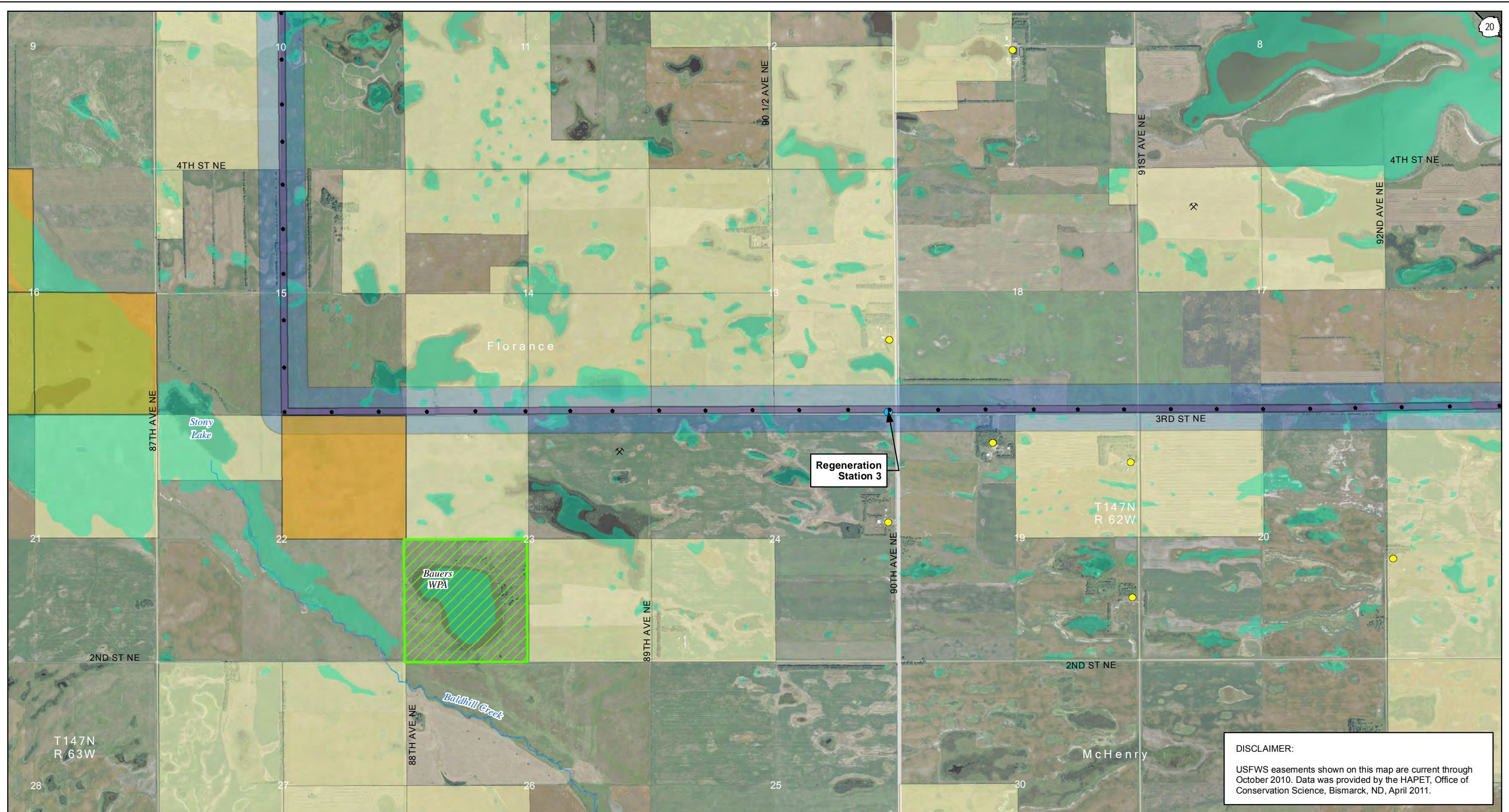
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Figure 2: Page 30 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

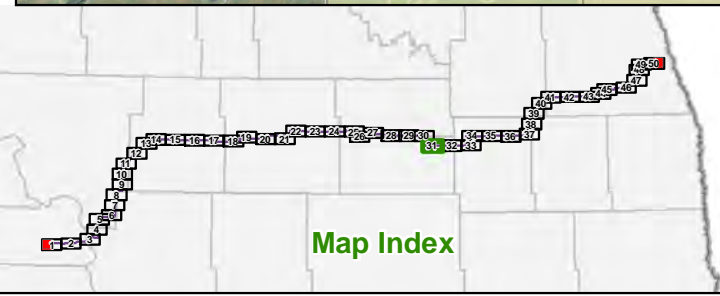
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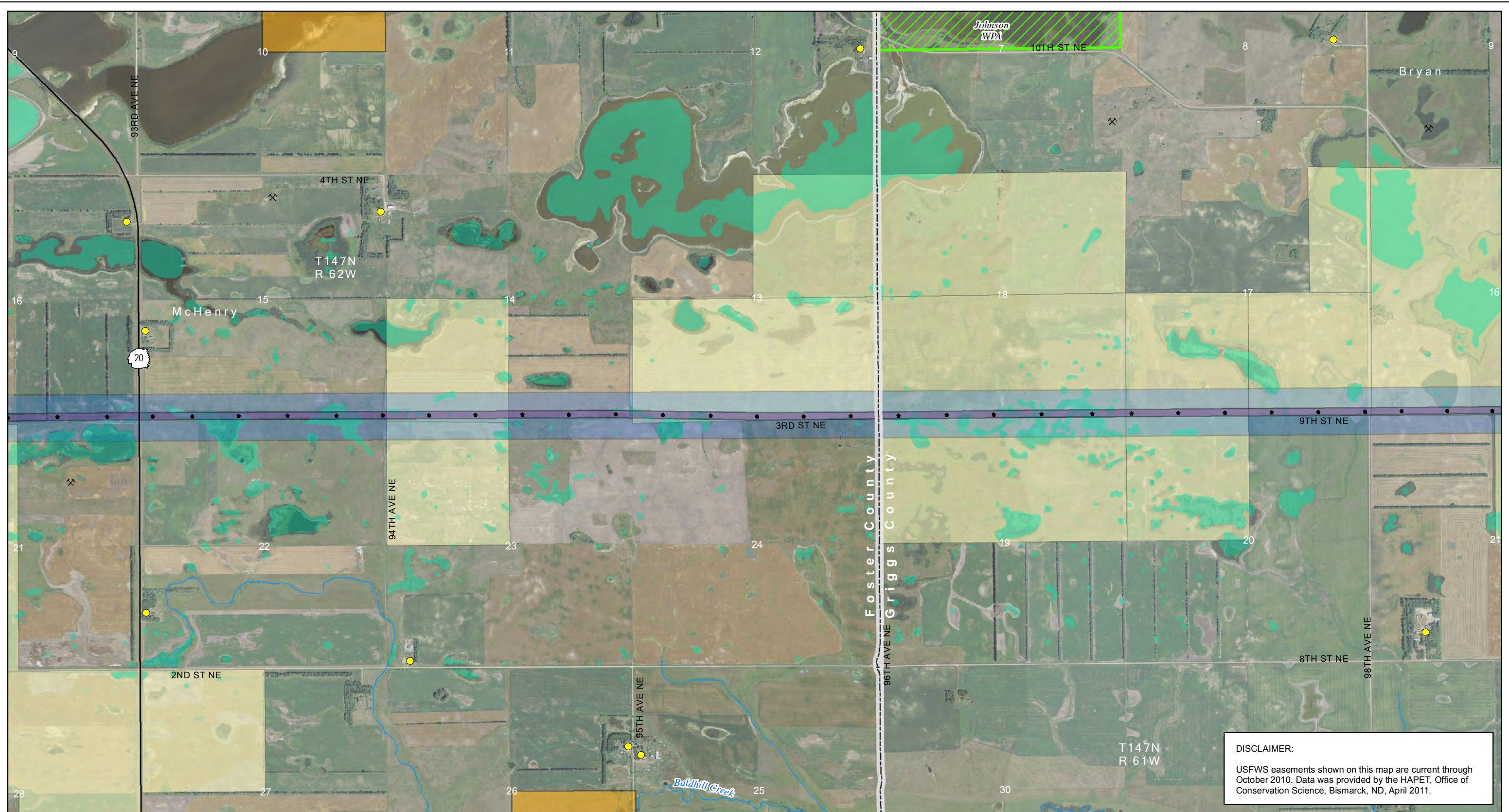
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Figure 2: Page 31 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

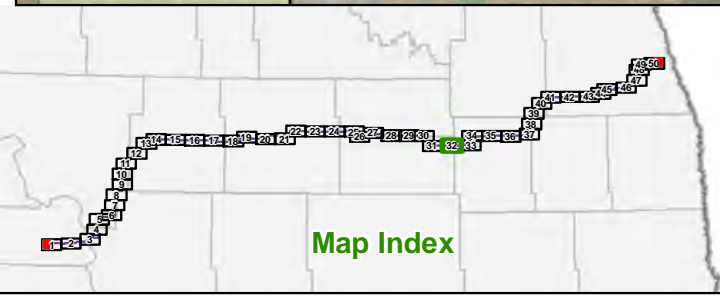
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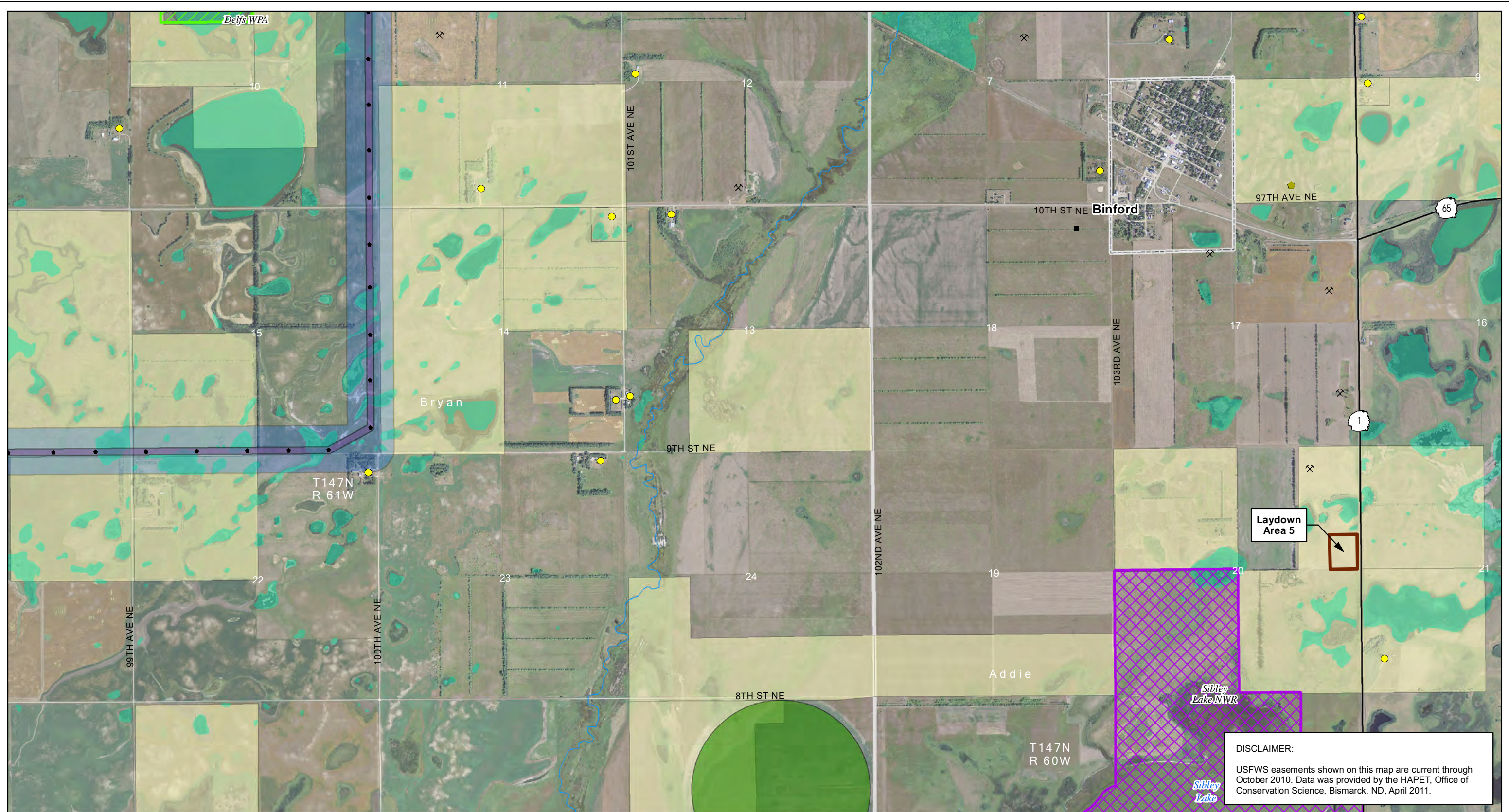
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Figure 2: Page 32 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

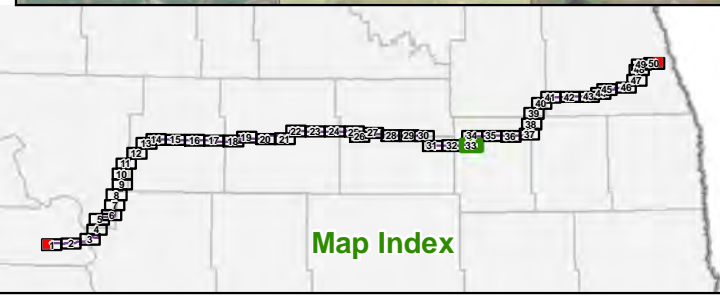
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Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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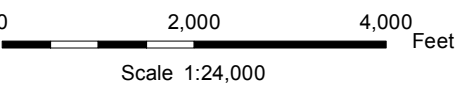
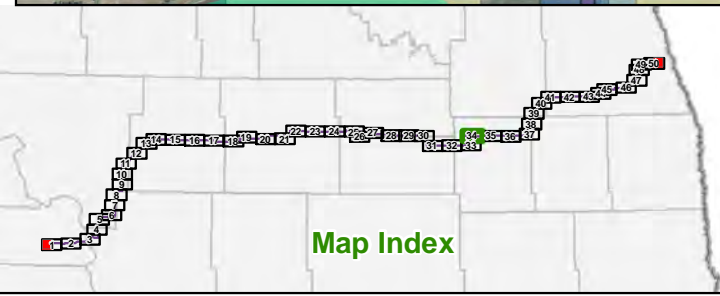
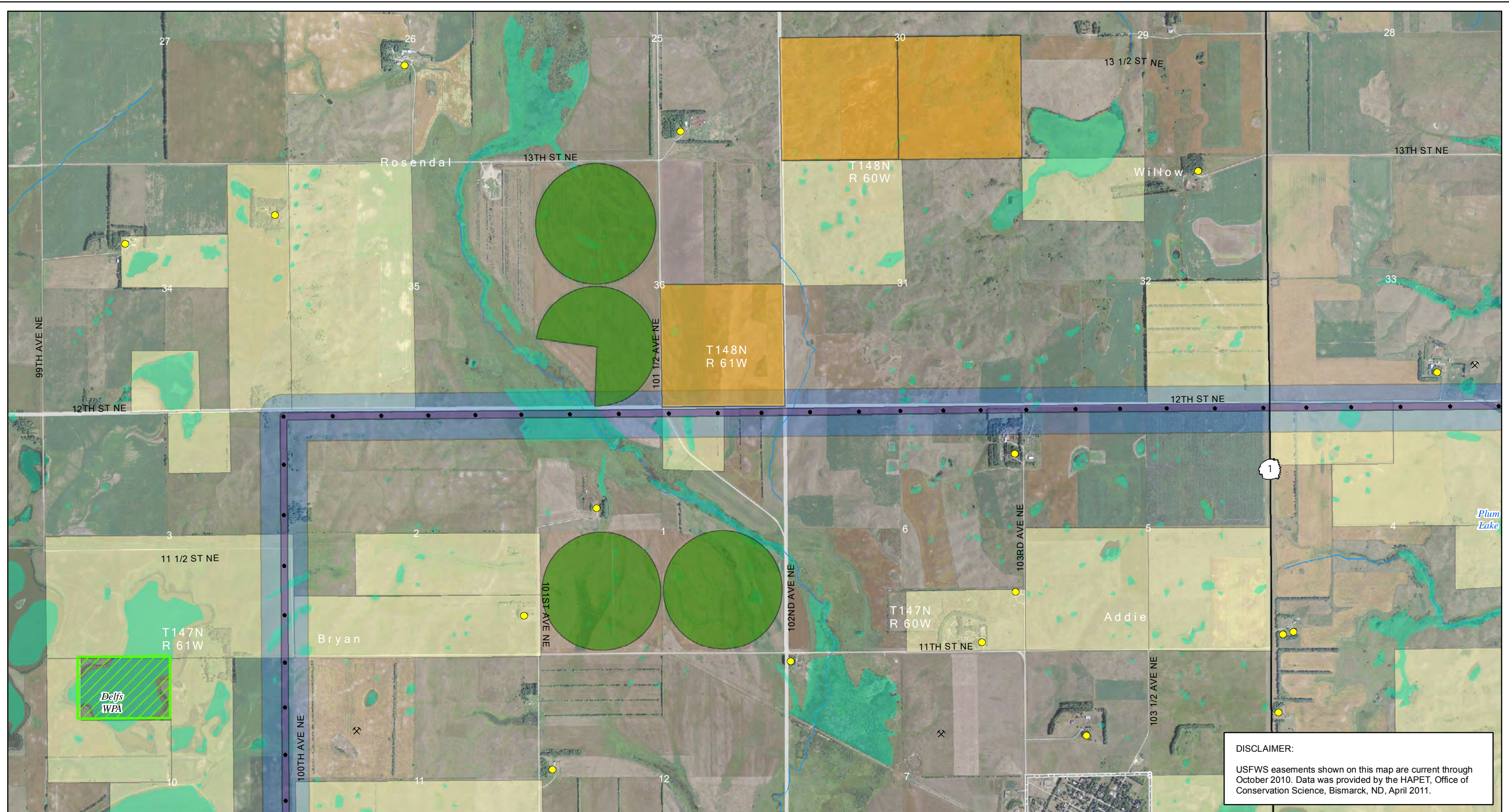


Figure 2: Page 33 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

Date: 11/28/2011
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Project ROW	Existing Transmission Lines	Occupiable Home within 500 ft of Transmission Facility	Gravel Pit or Mine	State Park, Recreation Area or WMA	Wetland
Project Structure	400-KV DC	Not Occupiable Home within 500 ft of Transmission Facility	Dump or Landfill	USFWS WPA or WDA	USGS Mapped Waterway
Proposed Modified Corridor - November 18, 2011	345-KV AC	Occupiable Home beyond 500 ft of Transmission Facility	Irrigated Land	USFWS NWR	USFWS Grassland Easement
Substation	250-KV DC	School	Public Airport	USBOR Land	USFWS Wetland Easement
Laydown Area	230-KV AC	Business	Private Airport	TNC Preserve	USFWS Conservation Easement
Fiber Optic Regeneration Station	115-KV or less AC		Incorporated Area	100-year Floodplain	
	Gas or Oil Pipeline		In-Use Railroad		

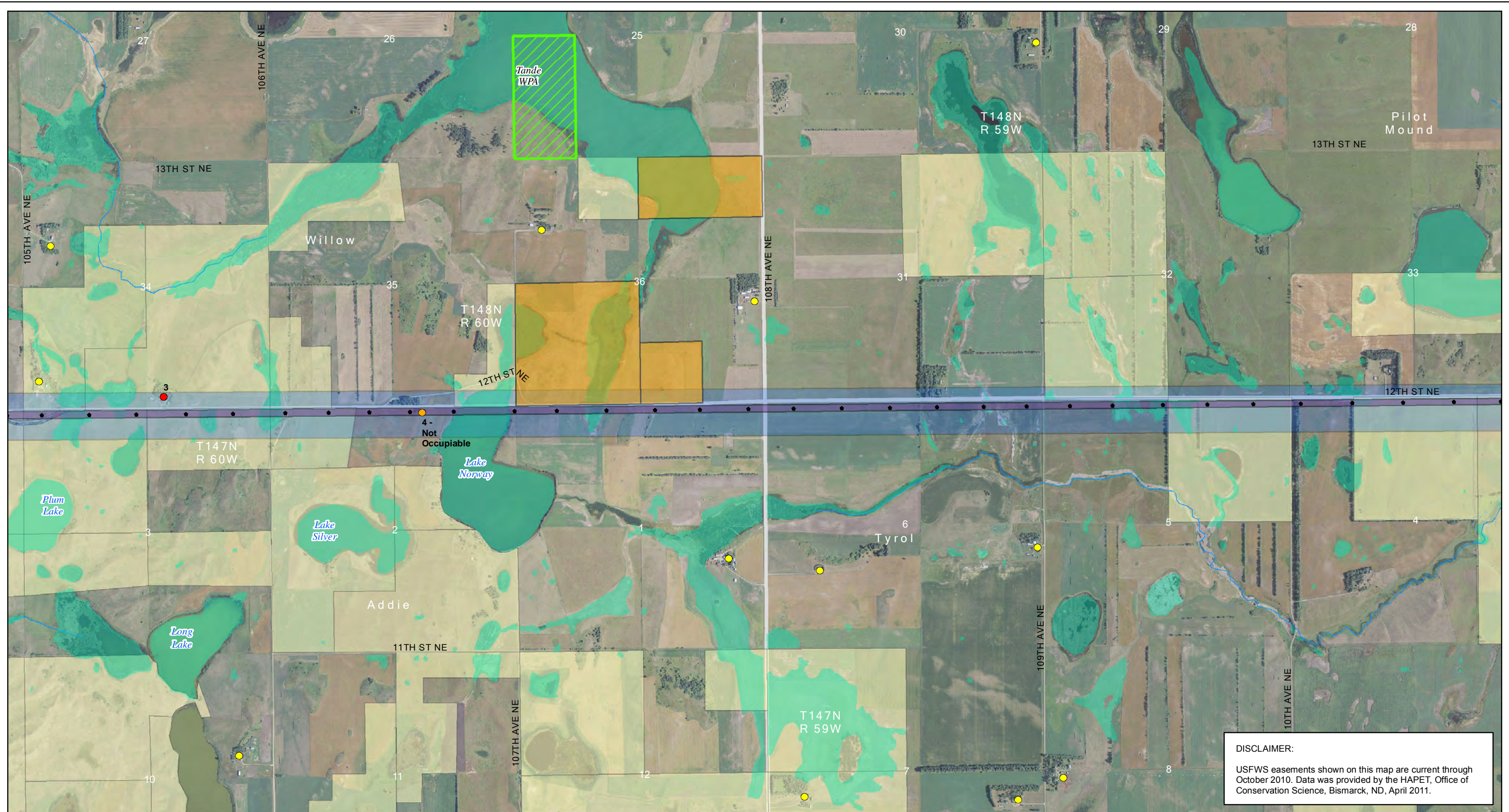
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Figure 2: Page 34 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

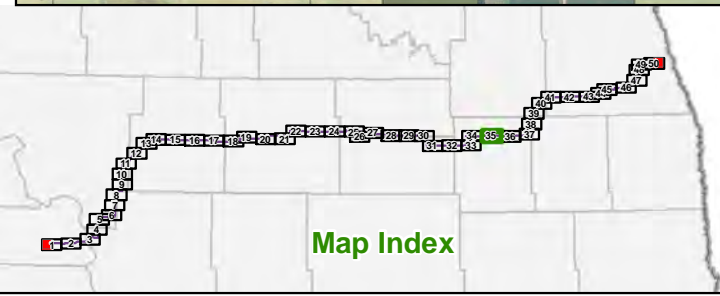
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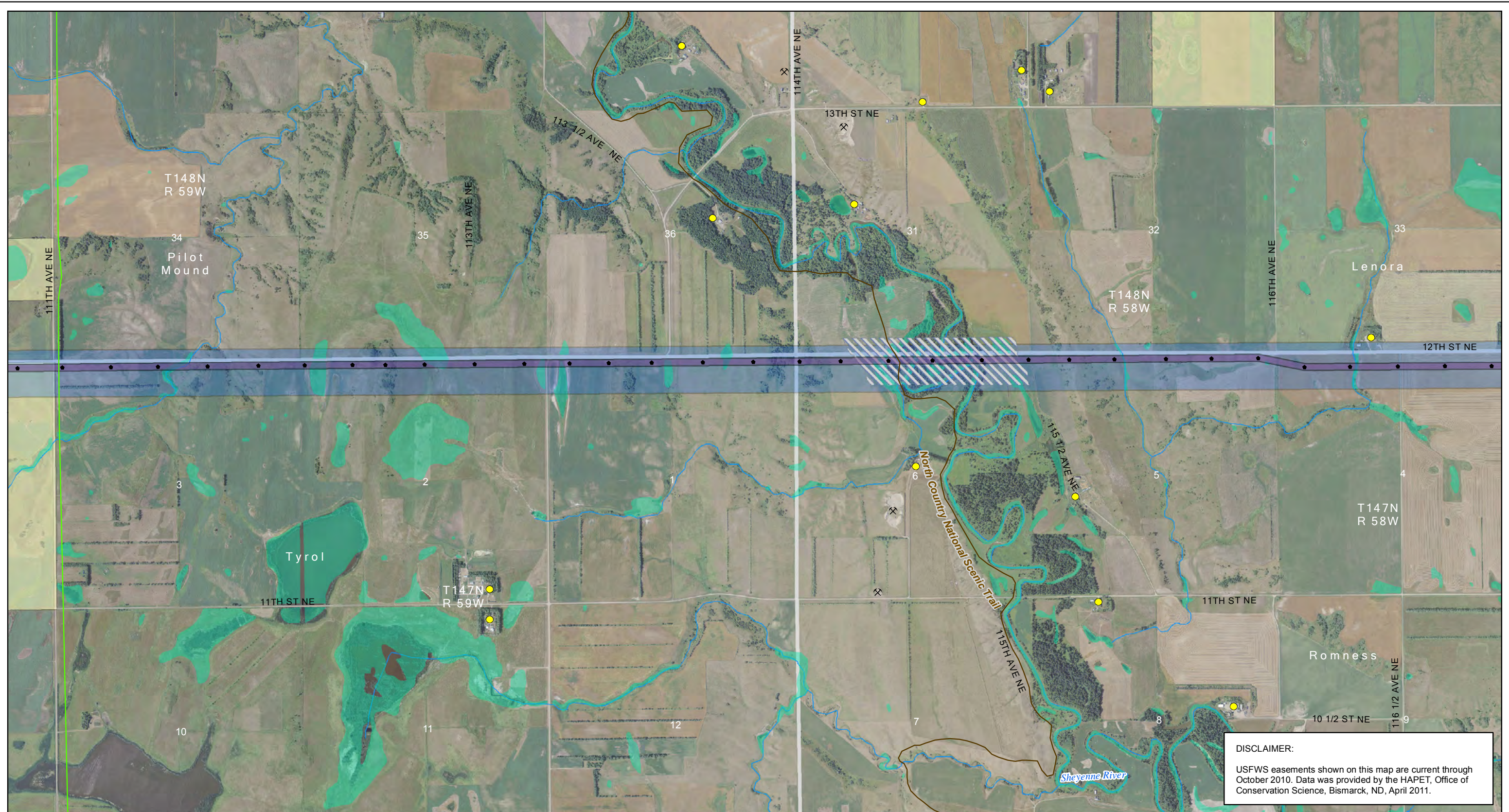
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Figure 2: Page 35 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

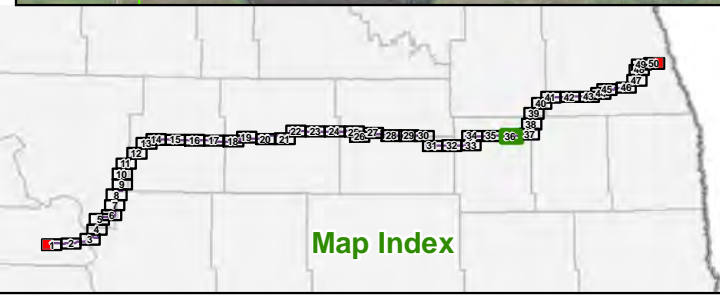
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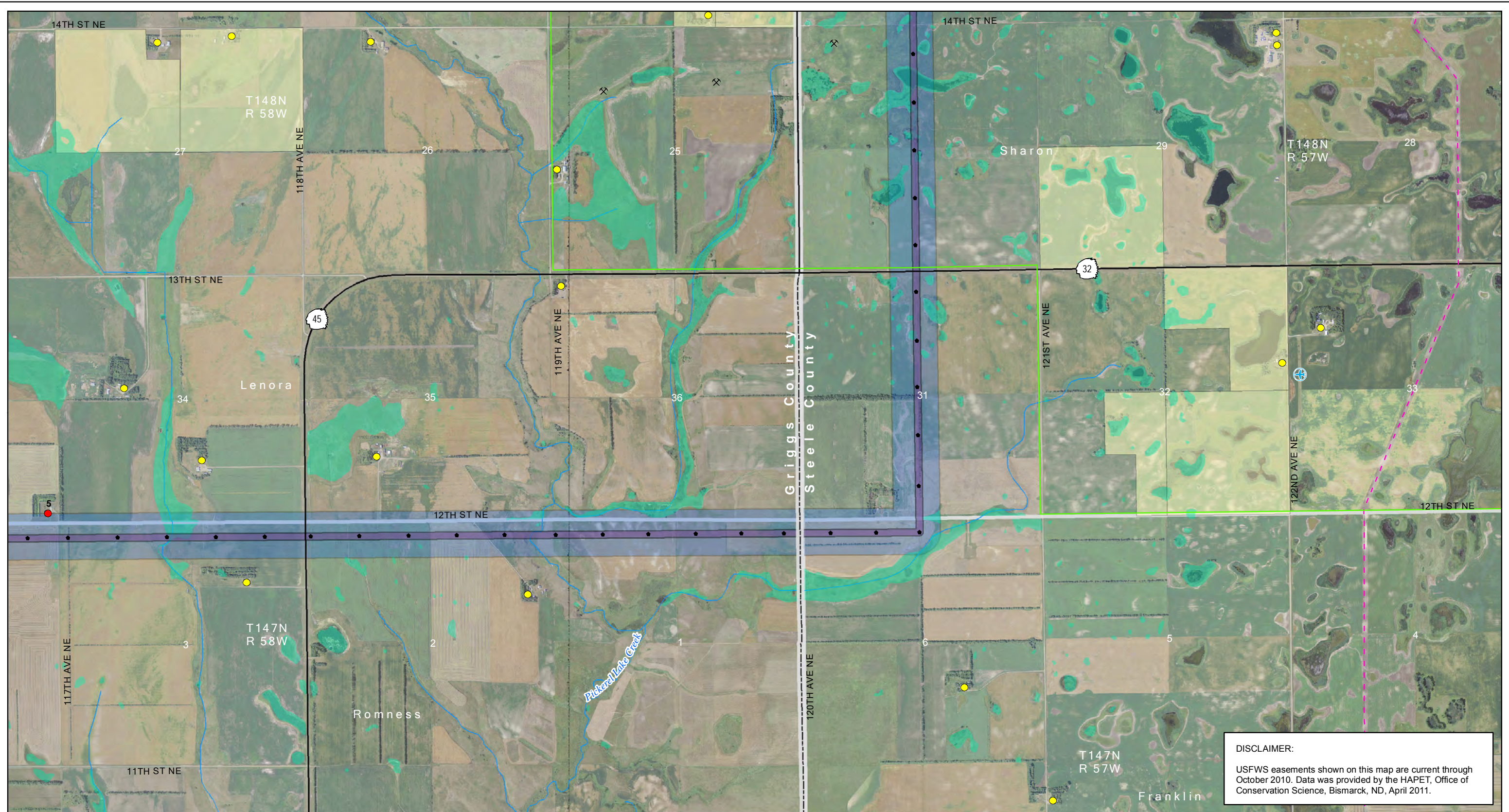
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Figure 2: Page 36 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

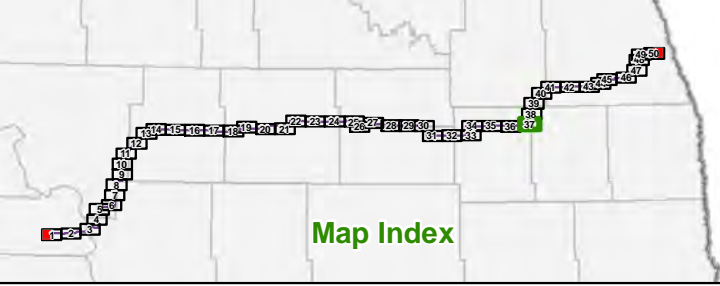
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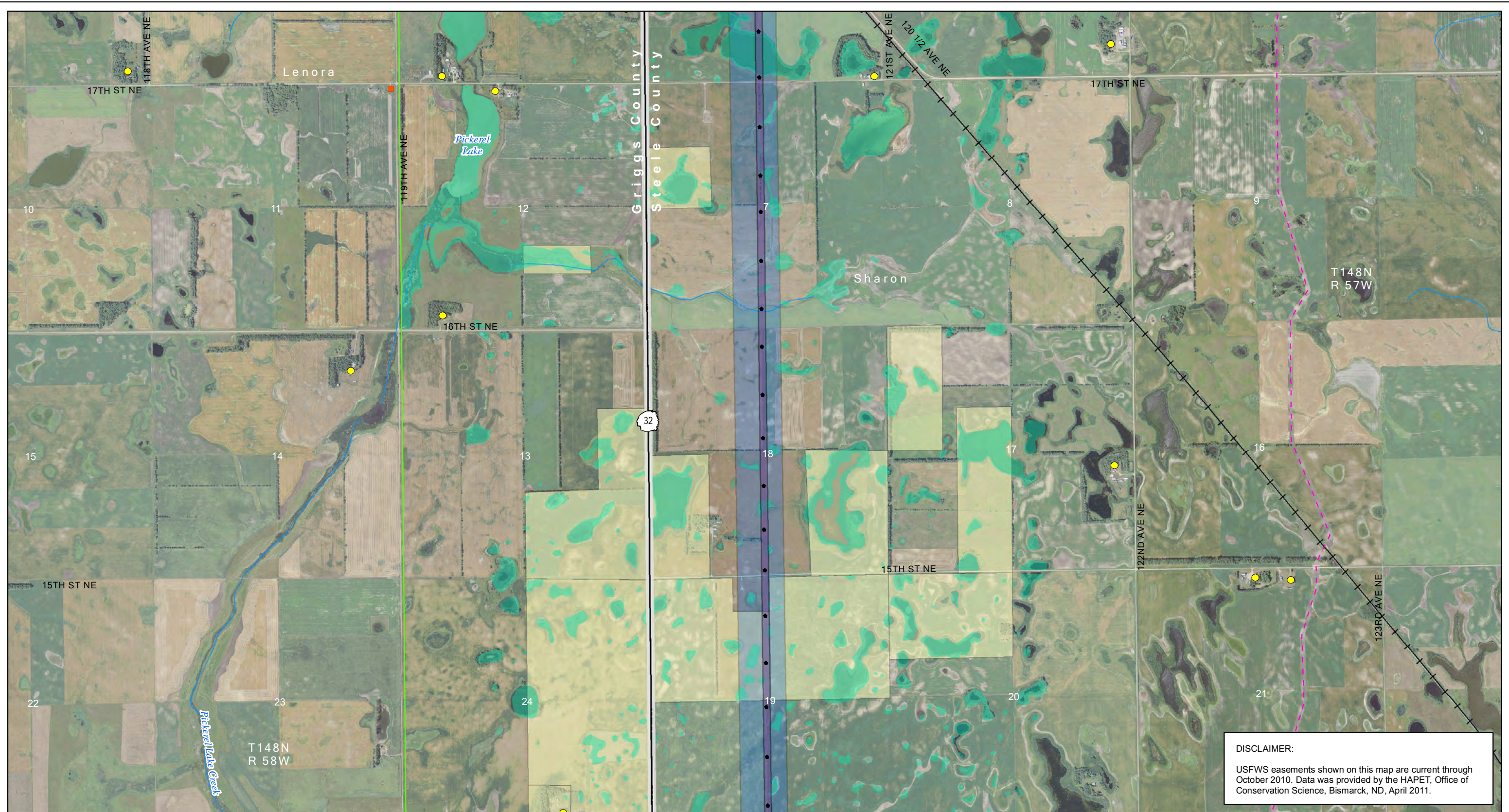
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Figure 2: Page 37 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

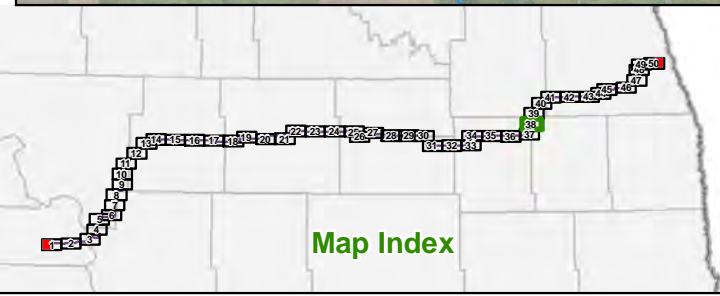
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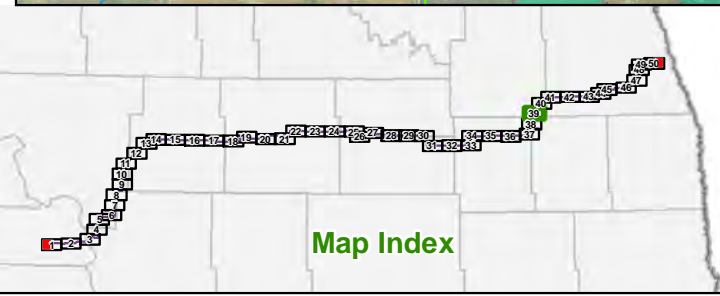
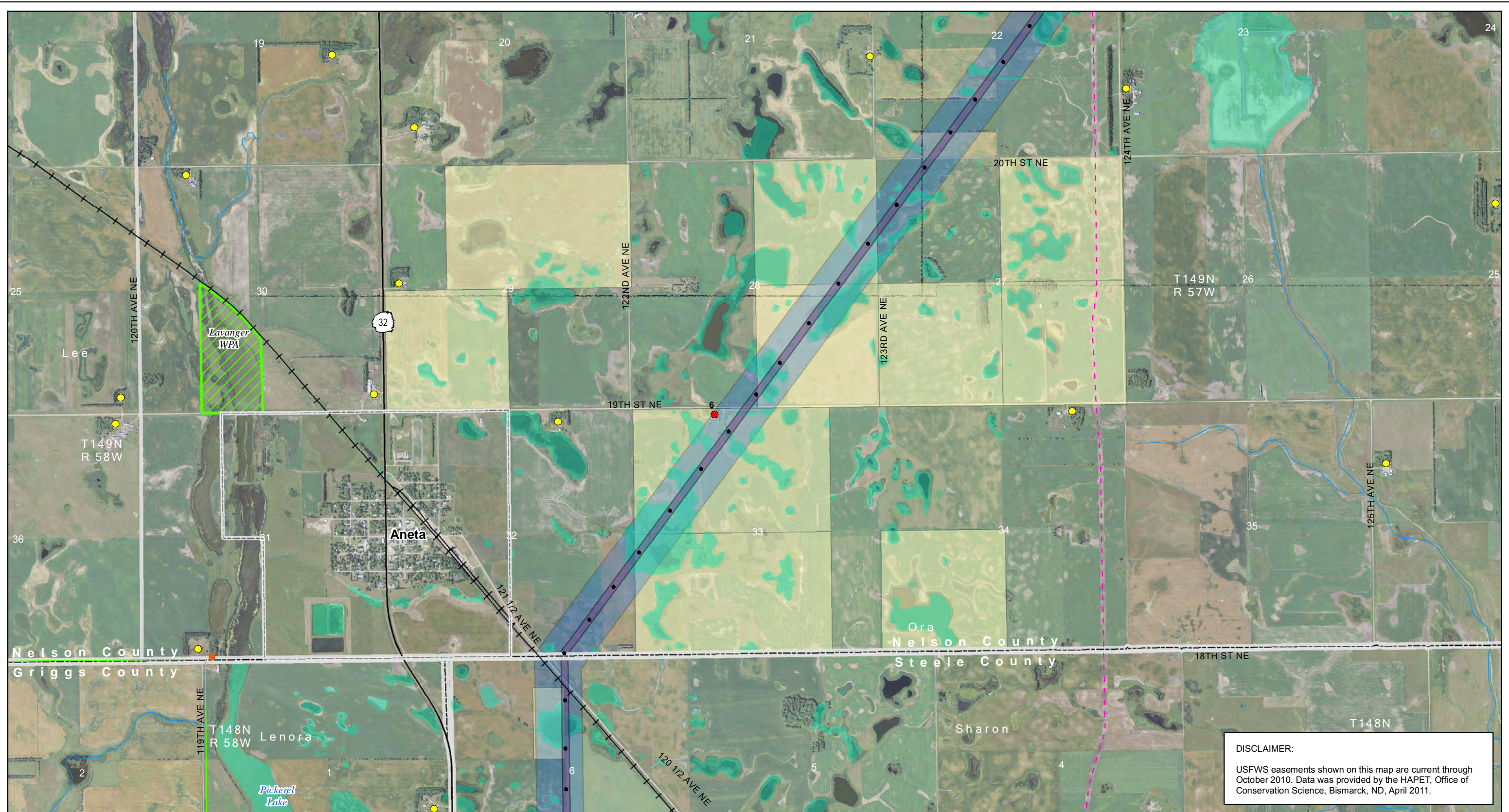
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| <ul style="list-style-type: none"> Project ROW Project Structure Proposed Modified Corridor – November 18, 2011 Substation Laydown Area Fiber Optic Regeneration Station | <p>Existing Transmission Lines</p> <ul style="list-style-type: none"> 400-kV DC 345-kV AC 250-kV DC 230-kV AC 115-kV or less AC Gas or Oil Pipeline | <ul style="list-style-type: none"> Occupiable Home within 500 ft of Transmission Facility Not Occupiable Home within 500 ft of Transmission Facility Occupiable Home beyond 500 ft of Transmission Facility School Business | <ul style="list-style-type: none"> Gravel Pit or Mine Dump or Landfill Irrigated Land Public Airport Private Airport Incorporated Area In-Use Railroad | <ul style="list-style-type: none"> State Park, Recreation Area or WMA USFWS WPA or WDA USFWS NWR USBOR Land TNC Preserve State Trust Land 100-year Floodplain | <ul style="list-style-type: none"> Wetland USGS Mapped Waterway USFWS Grassland Easement USFWS Wetland Easement USFWS Conservation Easement |
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Figure 2: Page 38 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
 Path: \\mspe-sis-fie\GIS\Projects\Minnkota\110900\map_docs\PS\CG\route\map\CGFRPA_02_1x17L_50p_RouteSitingCriteria.mxd



Project ROW	Project Structure	Proposed Modified Corridor - November 18, 2011	Substation	Laydown Area	Fiber Optic Regeneration Station
Existing Transmission Lines	400-KV DC	345-KV AC	250-KV DC	230-KV AC	115-KV or less AC
Occupiable Home within 500 ft of Transmission Facility	Not Occupiable Home within 500 ft of Transmission Facility	Occupiable Home beyond 500 ft of Transmission Facility	School	Business	Gravel Pit or Mine
Irrigated Land	Public Airport	Private Airport	Incorporated Area	In-Use Railroad	State Park, Recreation Area or WMA
Dump or Landfill	USFWS WPA or WDA	USFWS NWR	USBOR Land	TNC Preserve	State Trust Land
Wetland	USGS Mapped Waterway	USFWS Grassland Easement	USFWS Wetland Easement	USFWS Conservation Easement	100-year Floodplain

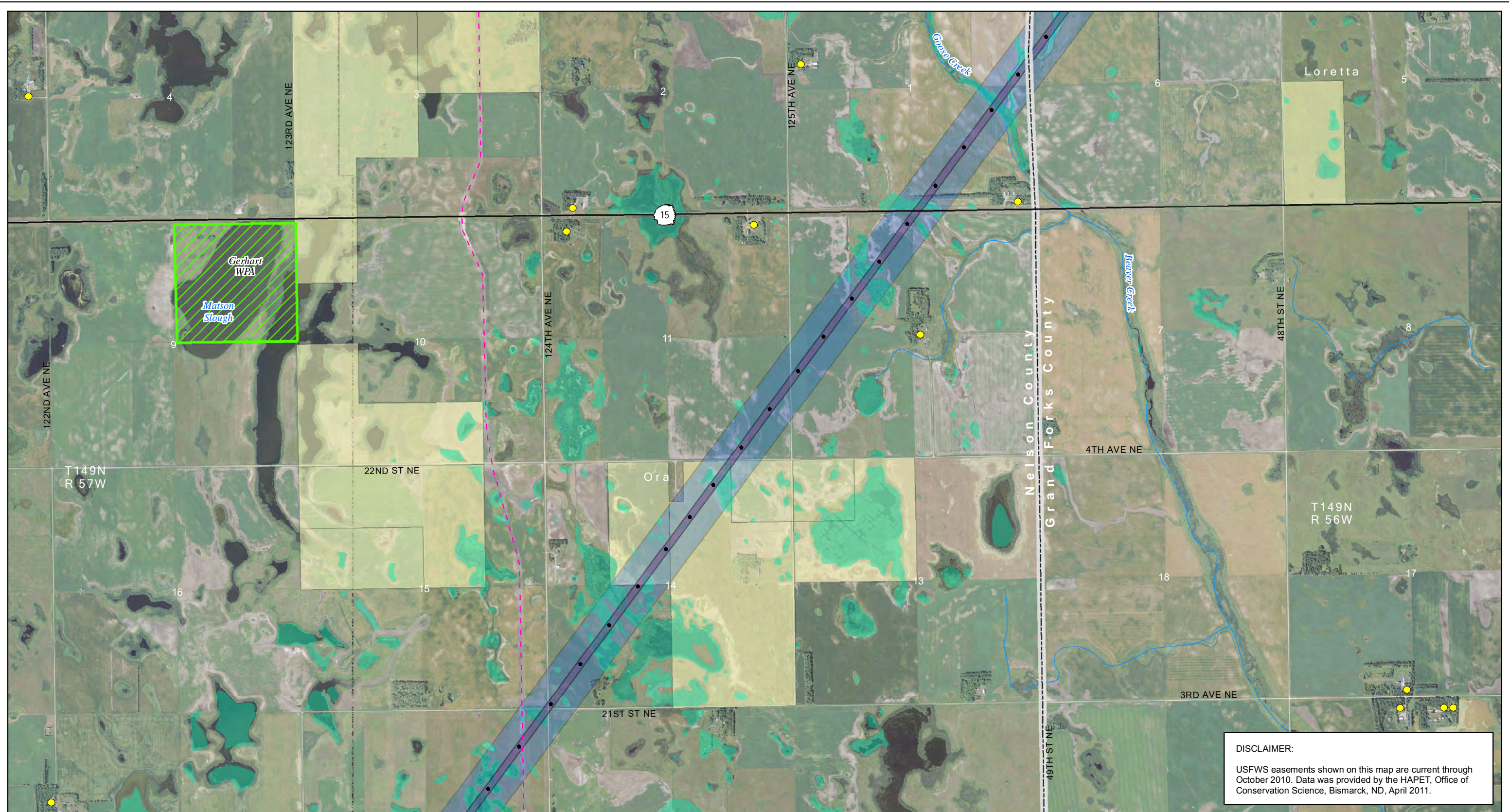
DISCLAIMER:
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Figure 2: Page 39 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
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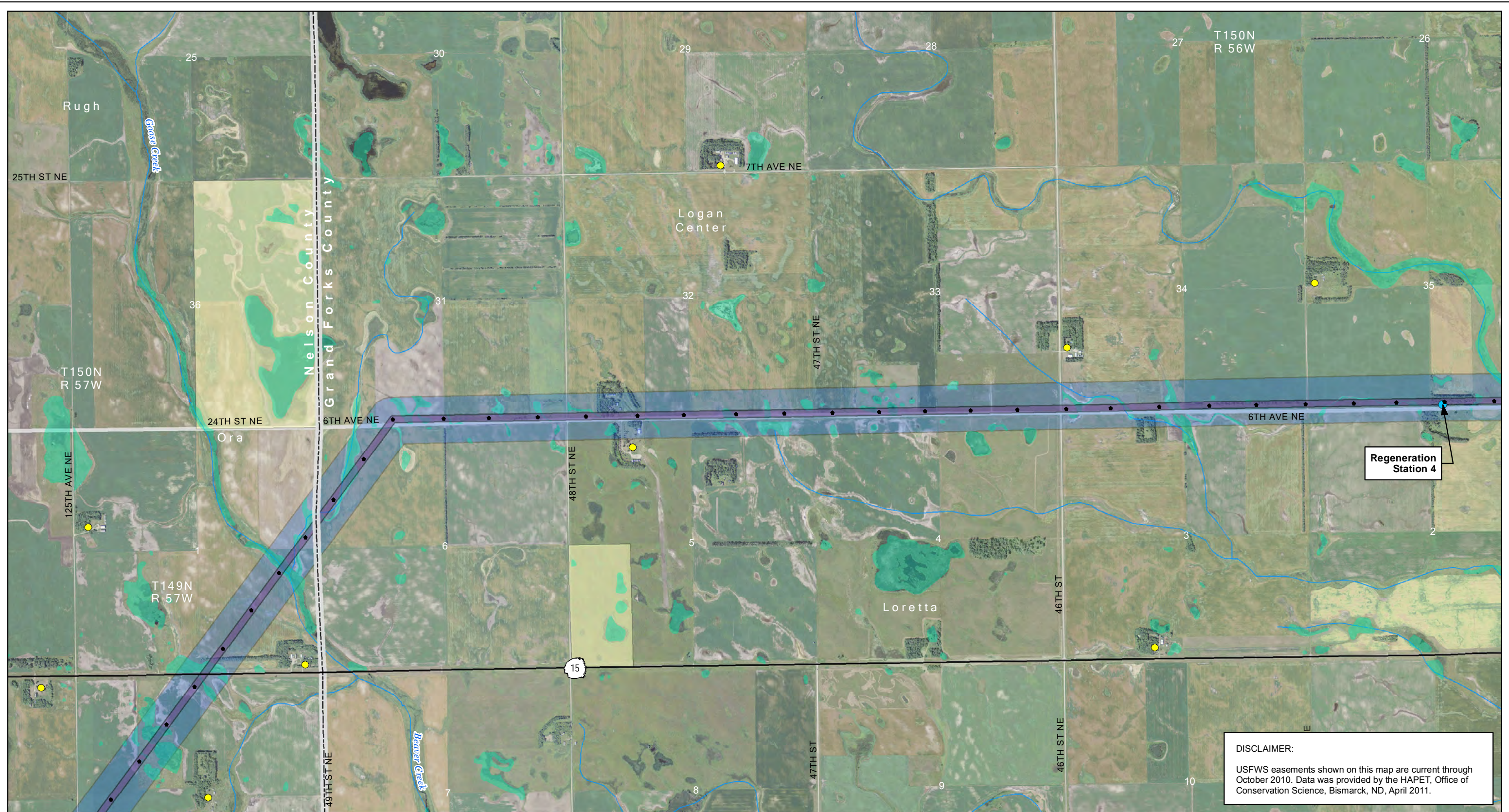


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| <ul style="list-style-type: none"> Project ROW Project Structure Proposed Modified Corridor - November 18, 2011 Substation Laydown Area Fiber Optic Regeneration Station | <ul style="list-style-type: none"> Existing Transmission Lines 400-kV DC 345-kV AC 250-kV DC 230-kV AC 115-kV or less AC Gas or Oil Pipeline | <ul style="list-style-type: none"> Occupiable Home within 500 ft of Transmission Facility Not Occupiable Home within 500 ft of Transmission Facility Occupiable Home beyond 500 ft of Transmission Facility School Business | <ul style="list-style-type: none"> Gravel Pit or Mine Dump or Landfill Irrigated Land Public Airport Private Airport Incorporated Area In-Use Railroad | <ul style="list-style-type: none"> State Park, Recreation Area or WMA USFWS WPA or WDA USFWS NWR USBOR Land TNC Preserve State Trust Land 100-year Floodplain | <ul style="list-style-type: none"> Wetland USGS Mapped Waterway USFWS Grassland Easement USFWS Wetland Easement USFWS Conservation Easement |
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Figure 2: Page 40 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

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 Scale 1:24,000

Date: 11/28/2011
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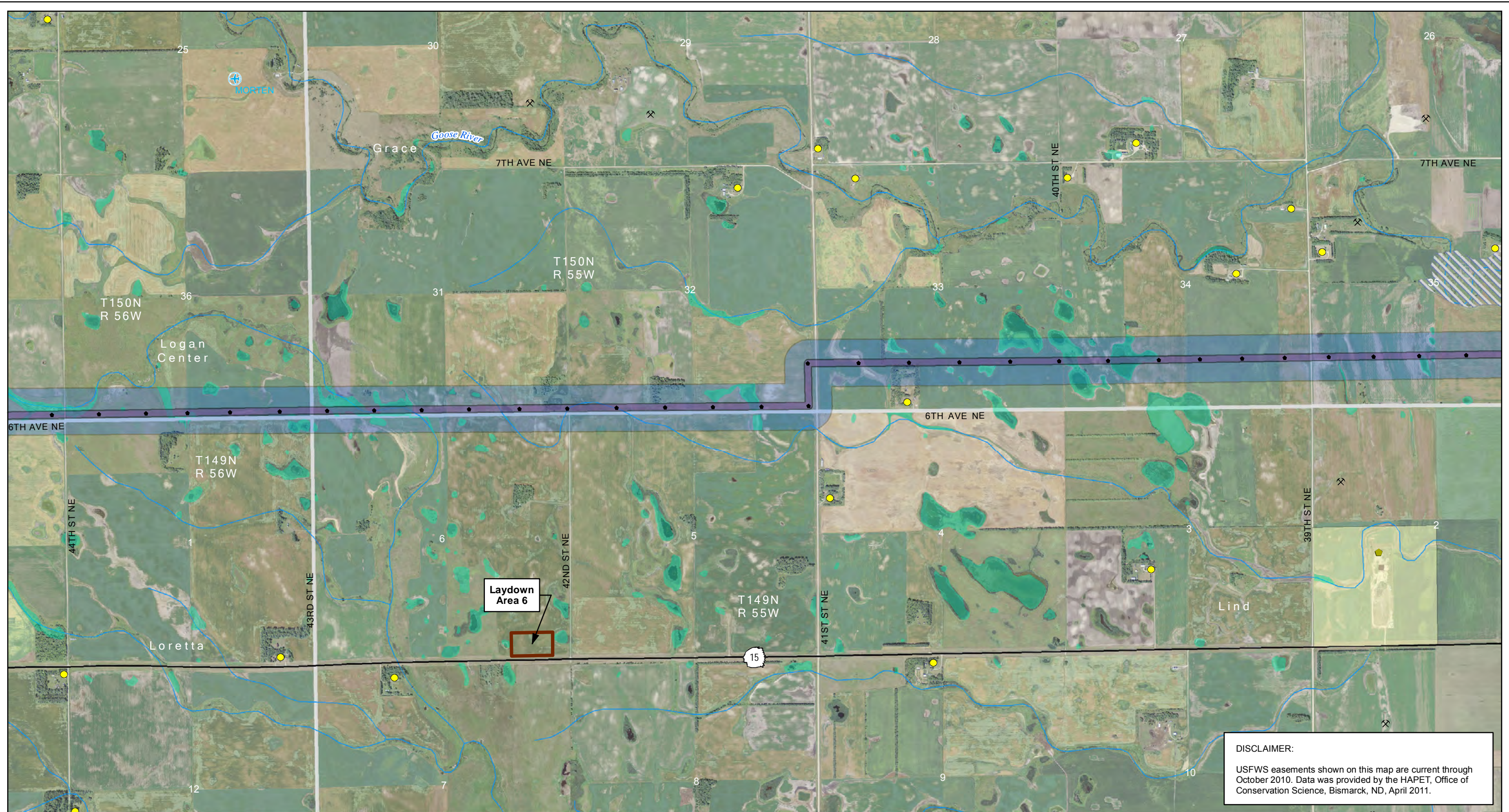
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Figure 2: Page 41 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.

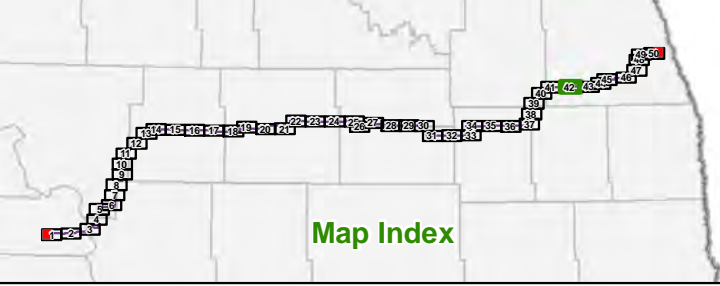
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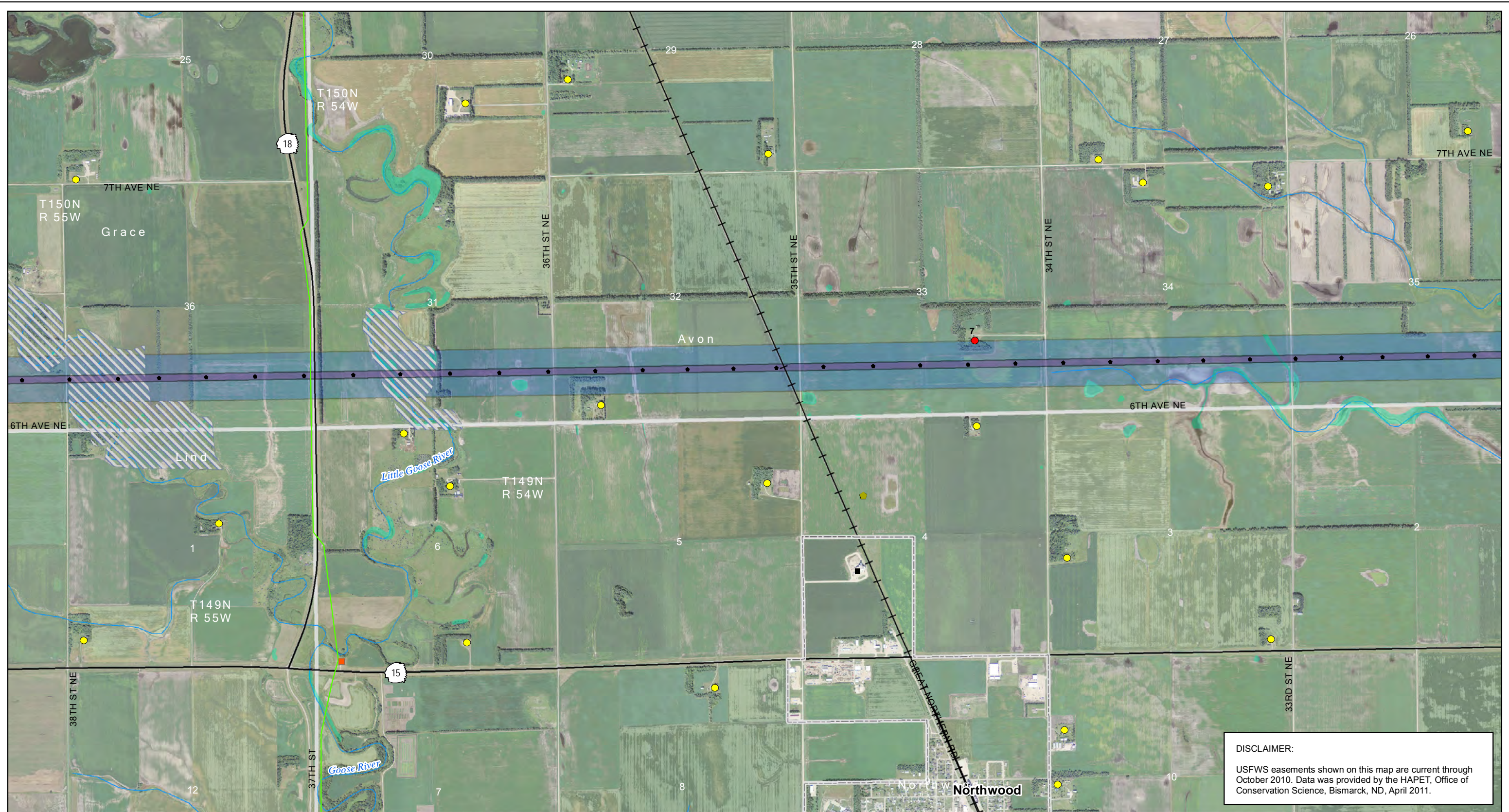
Figure 2: Page 42 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

Scale 1:24,000

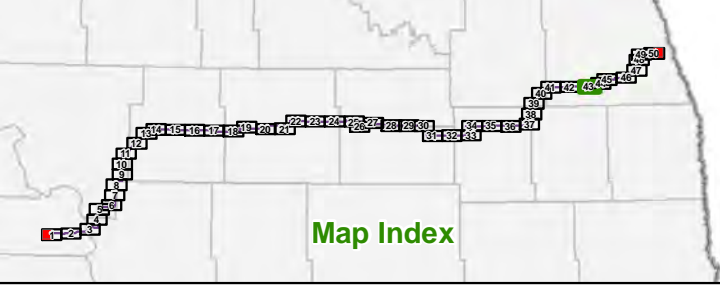
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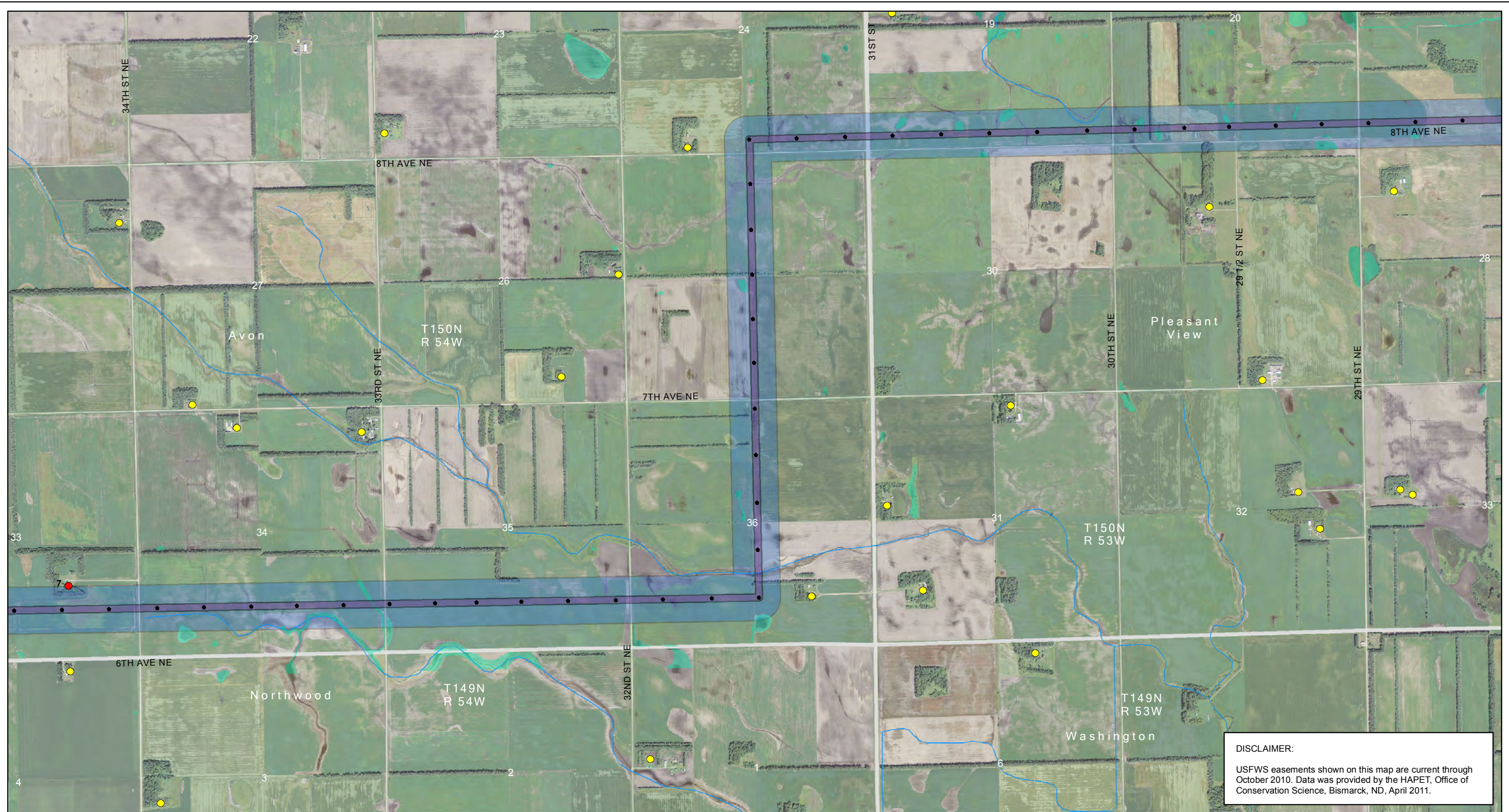
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Figure 2: Page 43 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.

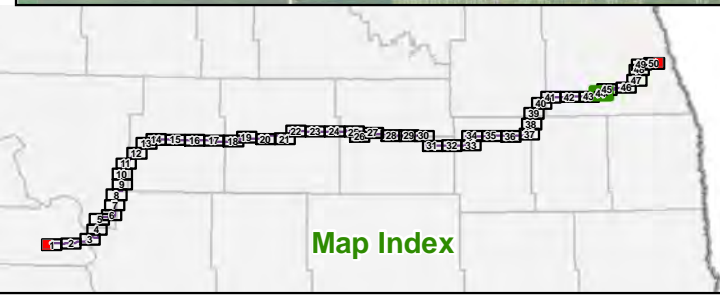
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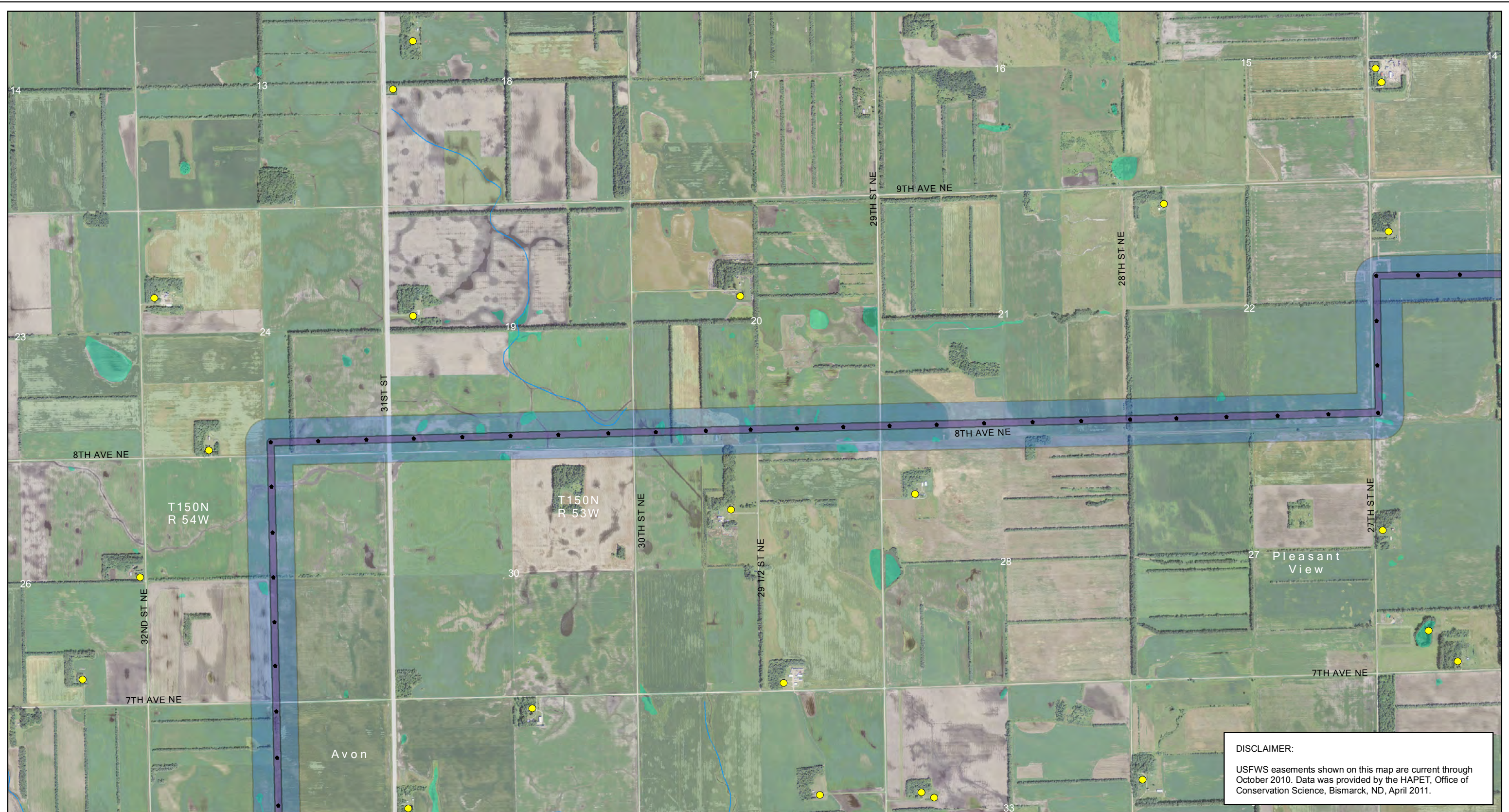
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Figure 2: Page 44 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

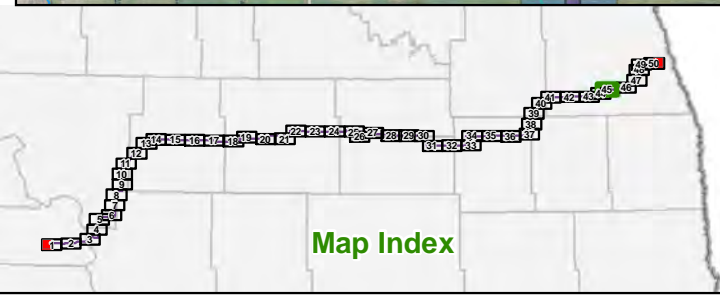
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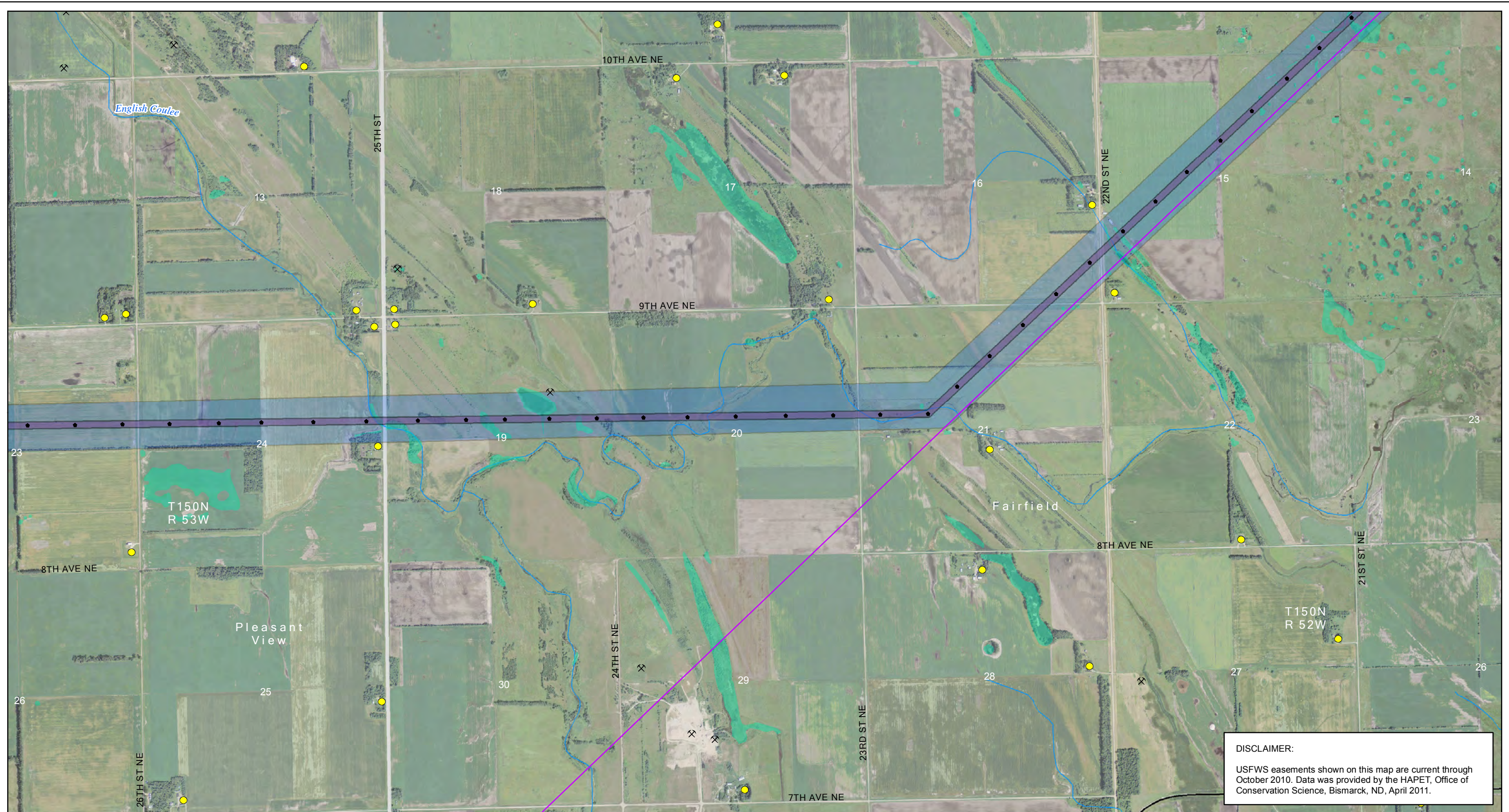
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Figure 2: Page 45 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

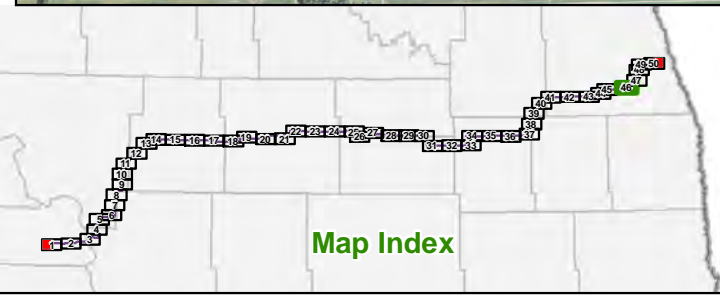
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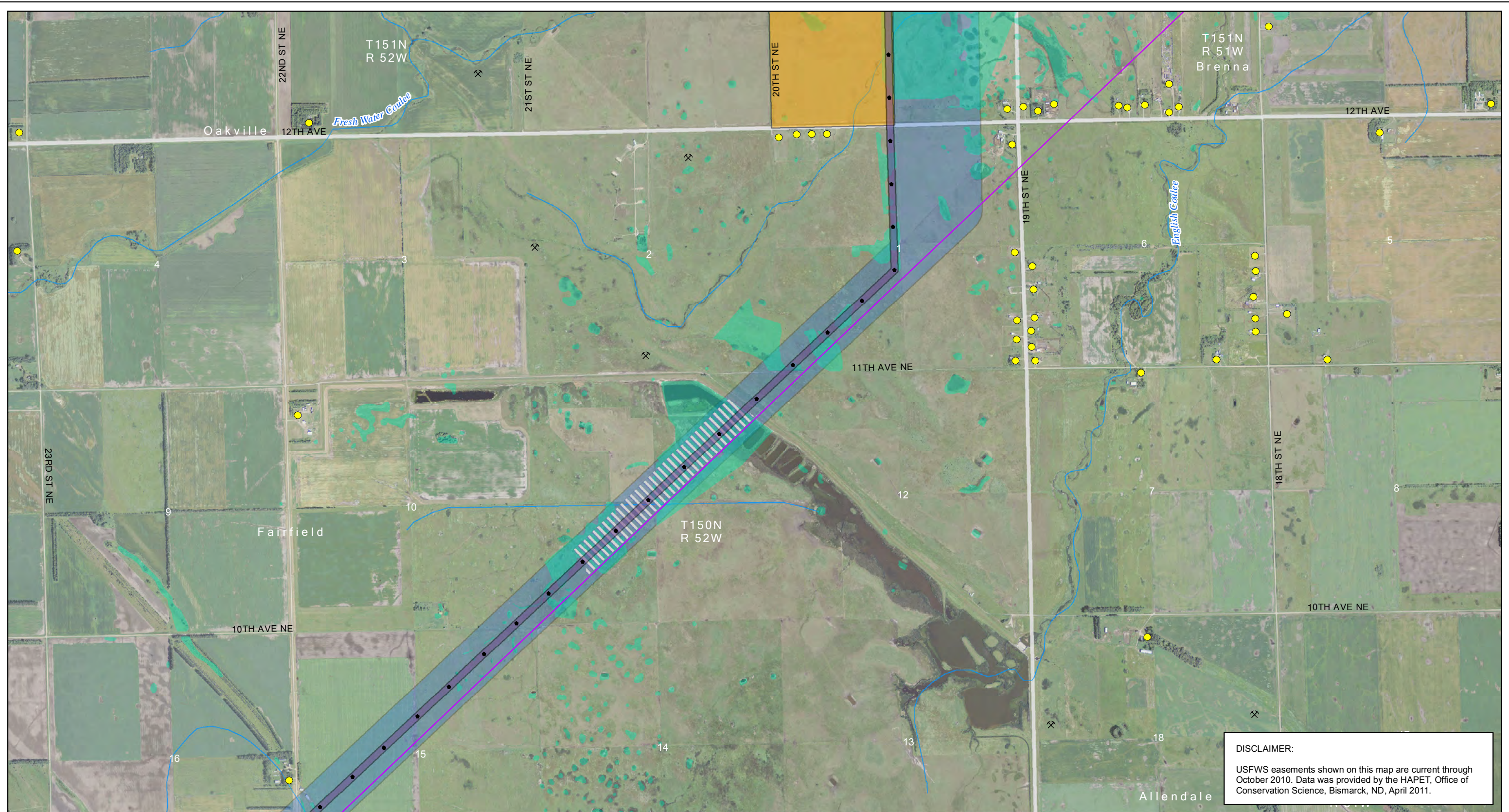
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| <ul style="list-style-type: none"> Project ROW Project Structure Proposed Modified Corridor - November 18, 2011 Substation Laydown Area Fiber Optic Regeneration Station | <ul style="list-style-type: none"> Existing Transmission Lines 400-kV DC 345-kV AC 250-kV DC 230-kV AC 115-kV or less AC Gas or Oil Pipeline | <ul style="list-style-type: none"> Occupiable Home within 500 ft of Transmission Facility Not Occupiable Home within 500 ft of Transmission Facility Occupiable Home beyond 500 ft of Transmission Facility School Business Gravel Pit or Mine Dump or Landfill Irrigated Land Public Airport Private Airport Incorporated Area In-Use Railroad | <ul style="list-style-type: none"> State Park, Recreation Area or WMA USFWS WPA or WDA USFWS NWR USBOR Land TNC Preserve State Trust Land 100-year Floodplain Wetland USGS Mapped Waterway USFWS Grassland Easement USFWS Wetland Easement USFWS Conservation Easement |
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Figure 2: Page 46 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

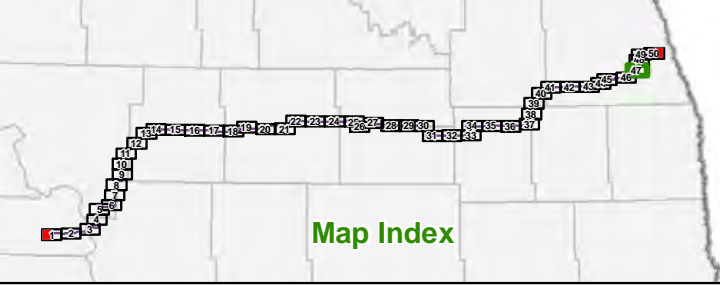
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Date: 11/28/2011
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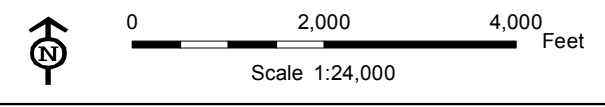


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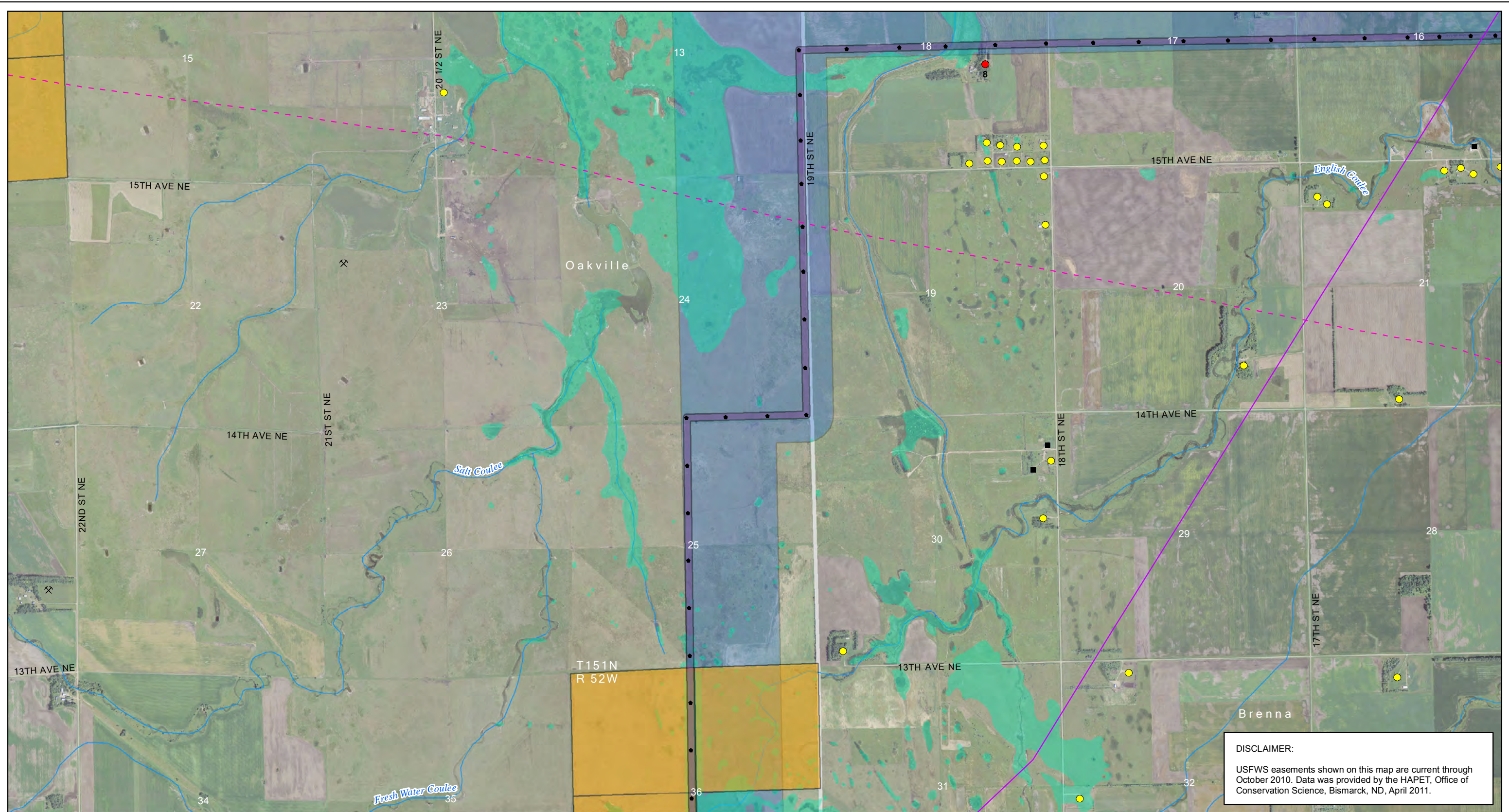


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| <ul style="list-style-type: none"> Project ROW Project Structure Proposed Modified Corridor - November 18, 2011 Substation Laydown Area Fiber Optic Regeneration Station | <ul style="list-style-type: none"> Existing Transmission Lines 400-kV DC 345-kV AC 250-kV DC 230-kV AC 115-kV or less AC Gas or Oil Pipeline | <ul style="list-style-type: none"> Occupiable Home within 500 ft of Transmission Facility Not Occupiable Home within 500 ft of Transmission Facility Occupiable Home beyond 500 ft of Transmission Facility School Business Gravel Pit or Mine Dump or Landfill Irrigated Land Public Airport Private Airport Incorporated Area In-Use Railroad State Park, Recreation Area or WMA USFWS WPA or WDA USFWS NWR USBOR Land TNC Preserve State Trust Land 100-year Floodplain Wetland USGS Mapped Waterway USFWS Grassland Easement USFWS Wetland Easement USFWS Conservation Easement |
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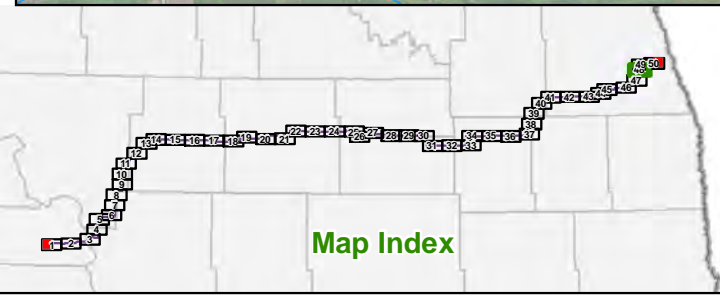
Figure 2: Page 47 of 50
 Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/28/2011
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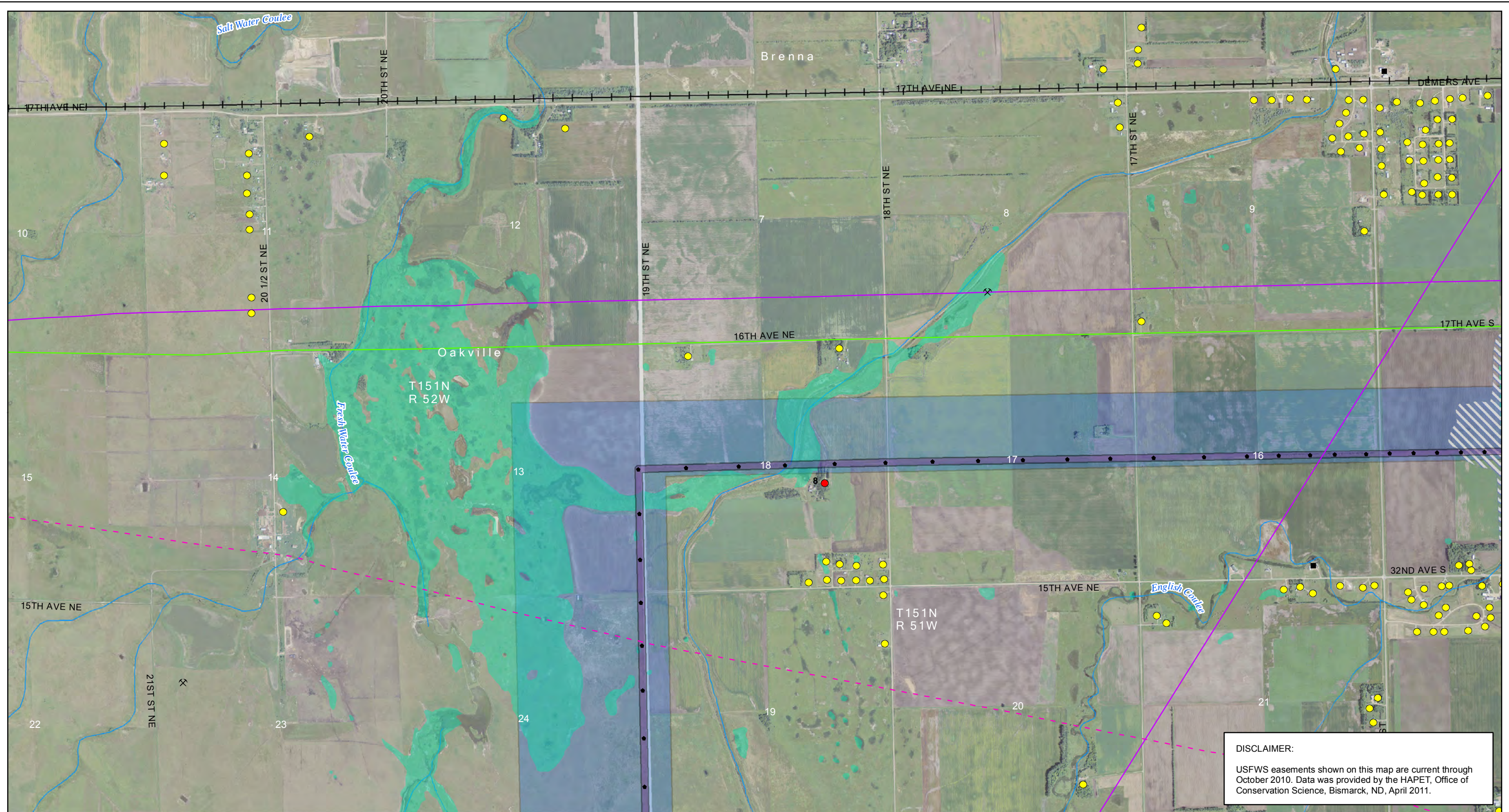
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Figure 2: Page 48 of 50
Route Siting Criteria
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

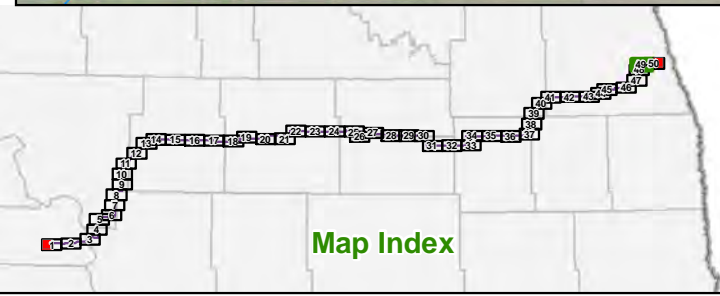
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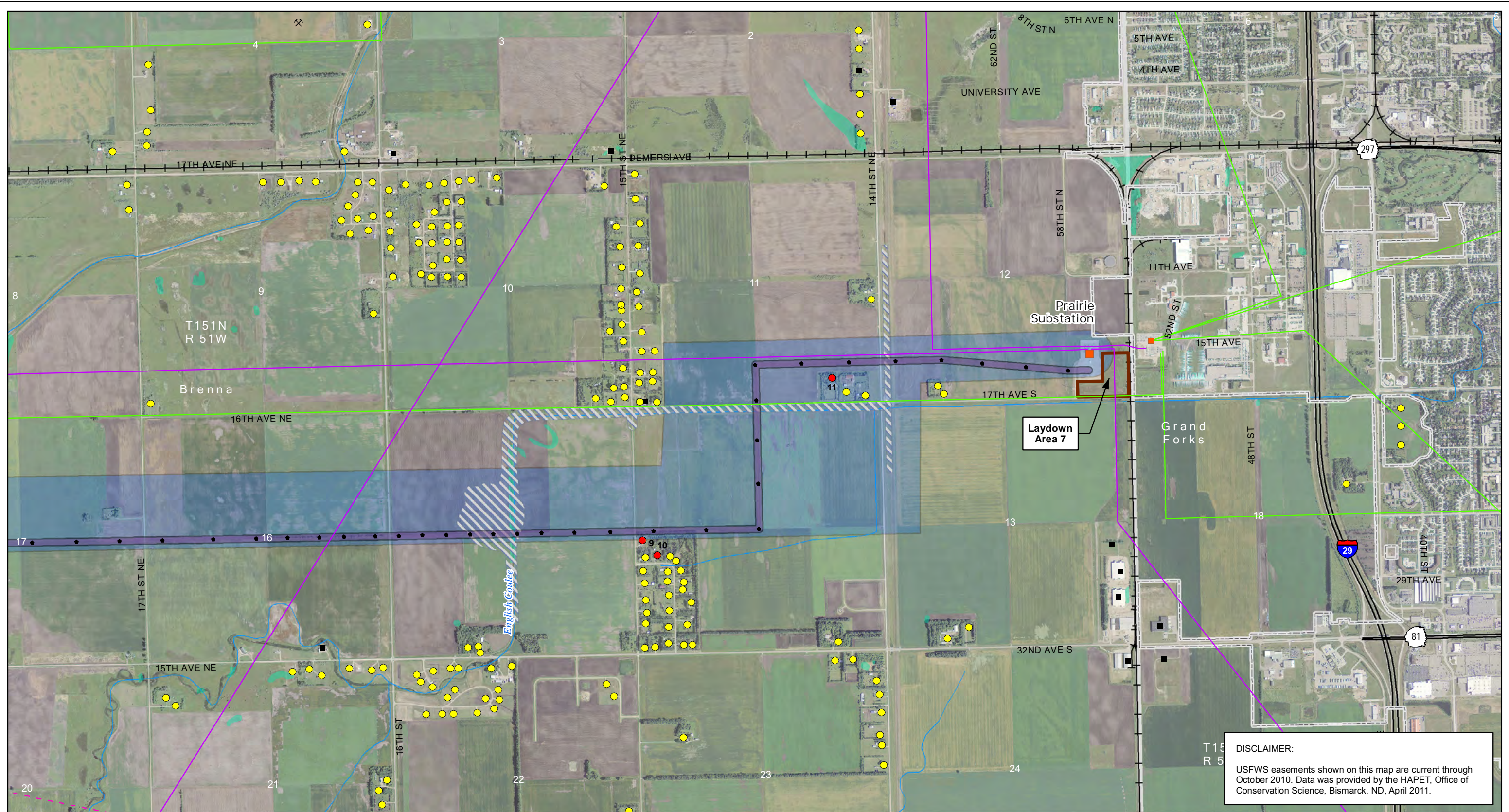


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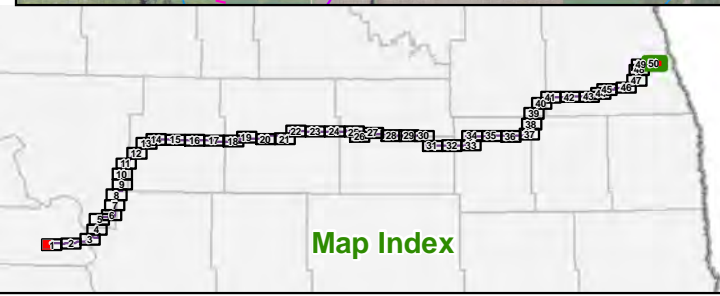
Figure 2: Page 49 of 50
Route Siting Criteria
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

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 Scale 1:24,000

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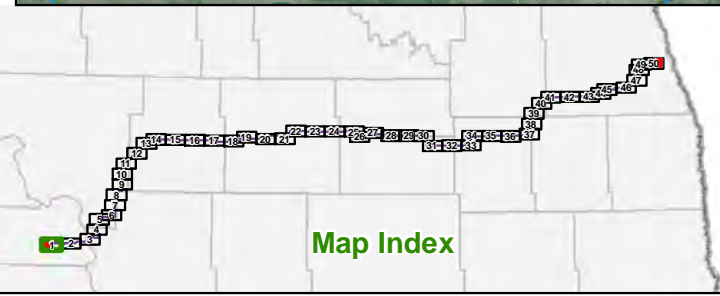
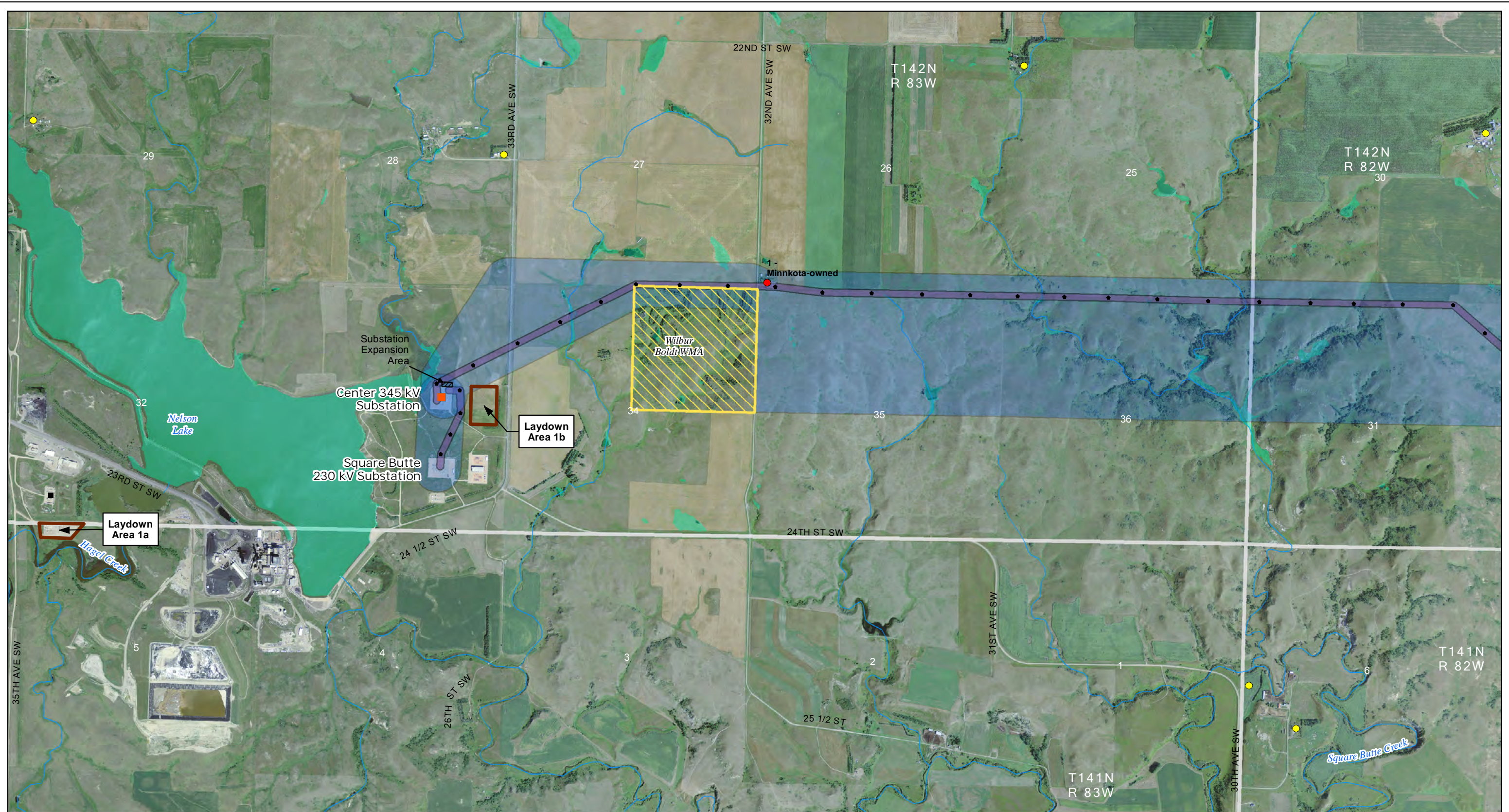
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| <ul style="list-style-type: none"> Project ROW Project Structure Proposed Modified Corridor – November 18, 2011 Substation Laydown Area Fiber Optic Regeneration Station | <p>Existing Transmission Lines</p> <ul style="list-style-type: none"> 400-kV DC 345-kV AC 250-kV DC 230-kV AC 115-kV or less AC Gas or Oil Pipeline | <ul style="list-style-type: none"> Occupiable Home within 500 ft of Transmission Facility Not Occupiable Home within 500 ft of Transmission Facility Occupiable Home beyond 500 ft of Transmission Facility School Business | <ul style="list-style-type: none"> Gravel Pit or Mine Dump or Landfill Irrigated Land Public Airport Private Airport Incorporated Area In-Use Railroad | <ul style="list-style-type: none"> State Park, Recreation Area or WMA USFWS WPA or WDA USFWS NWR USBOR Land TNC Preserve State Trust Land 100-year Floodplain | <ul style="list-style-type: none"> Wetland USGS Mapped Waterway USFWS Grassland Easement USFWS Wetland Easement USFWS Conservation Easement |
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Figure 2: Page 50 of 50
Route Siting Criteria
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

Scale 1:24,000

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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

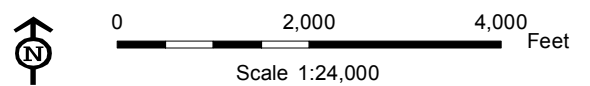
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

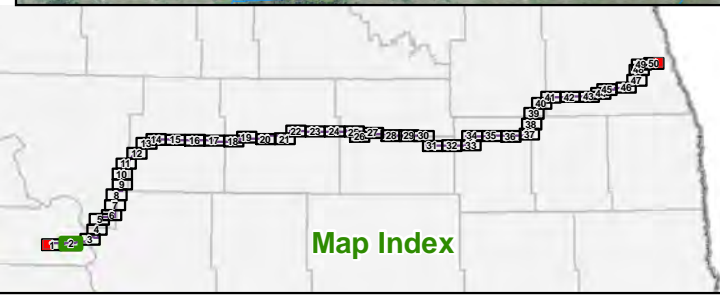
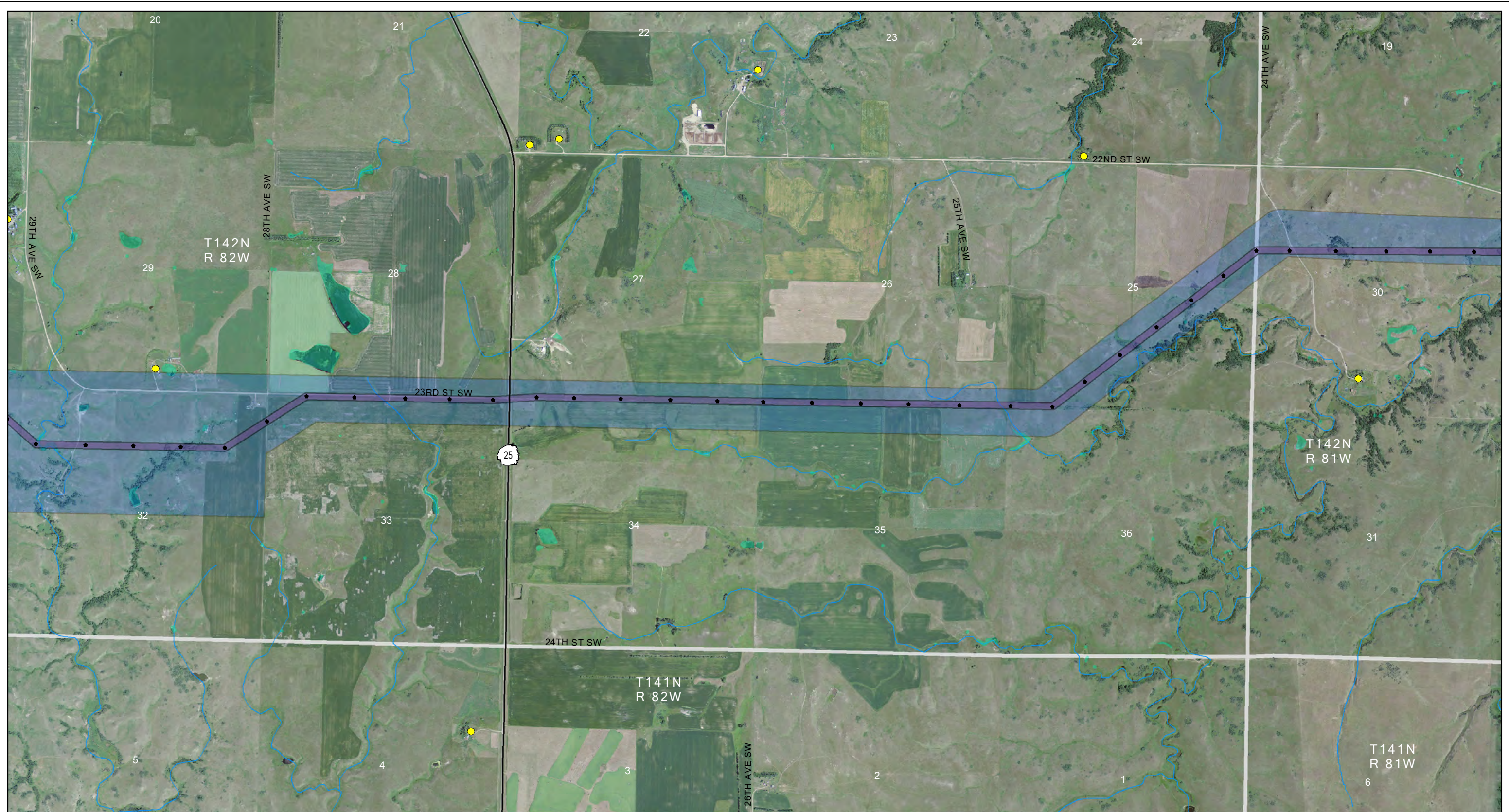
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 1 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

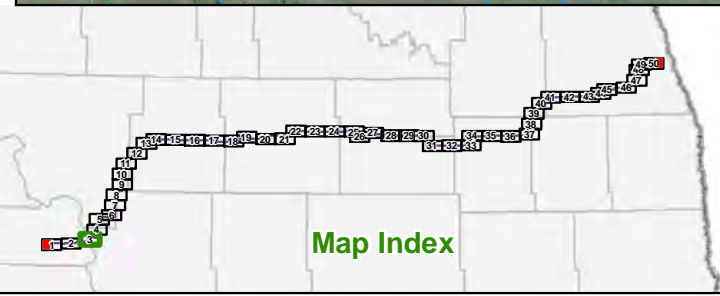
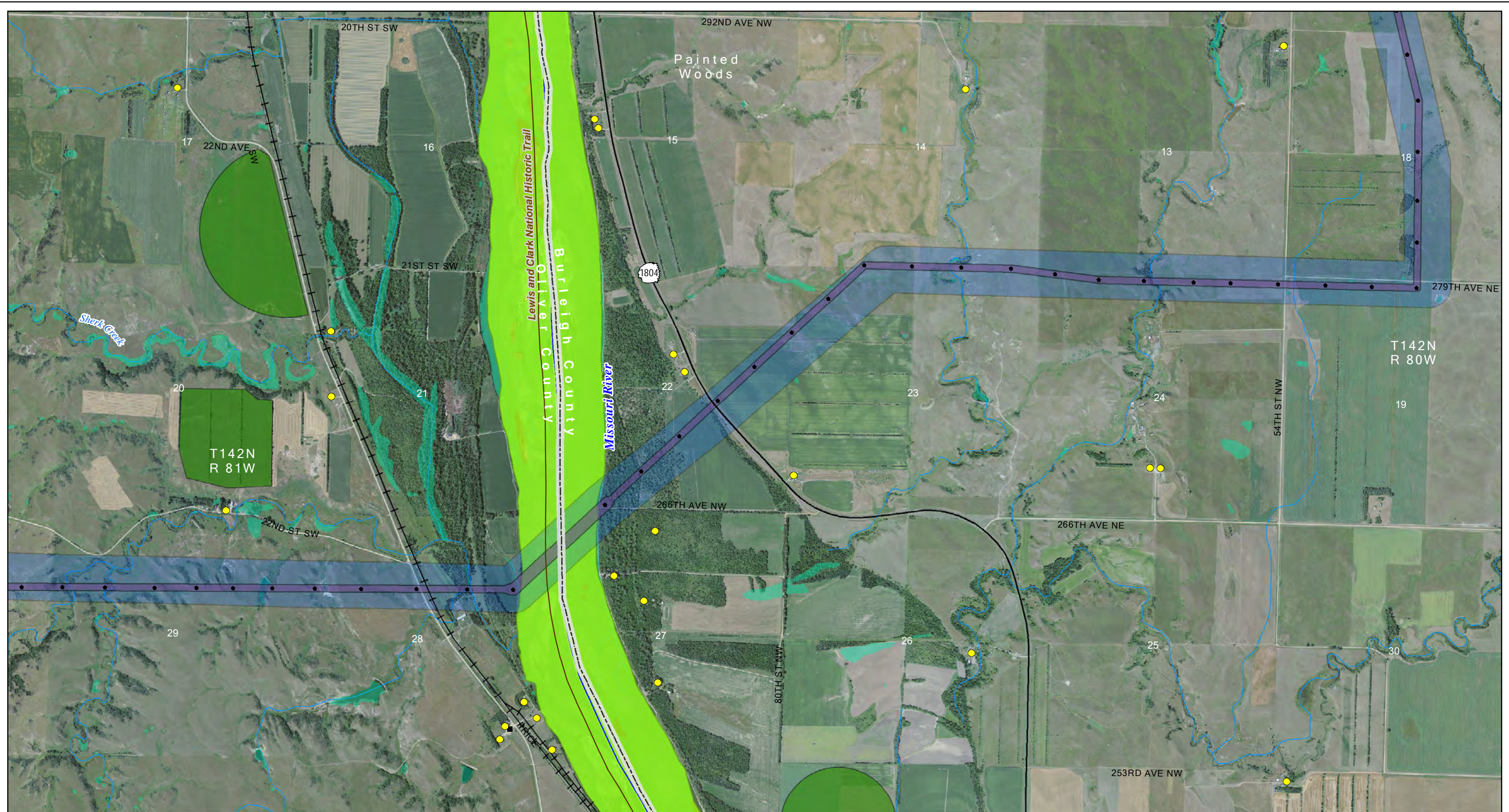
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 2 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minncota Power Cooperative, Inc.

0 2,000 4,000 Feet
Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

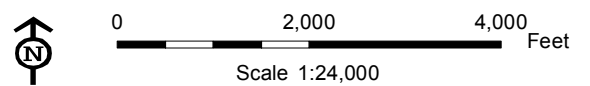
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

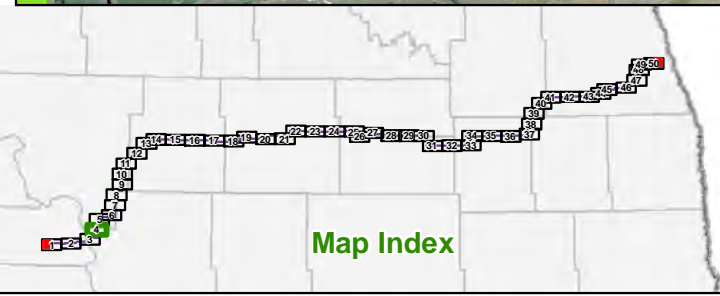
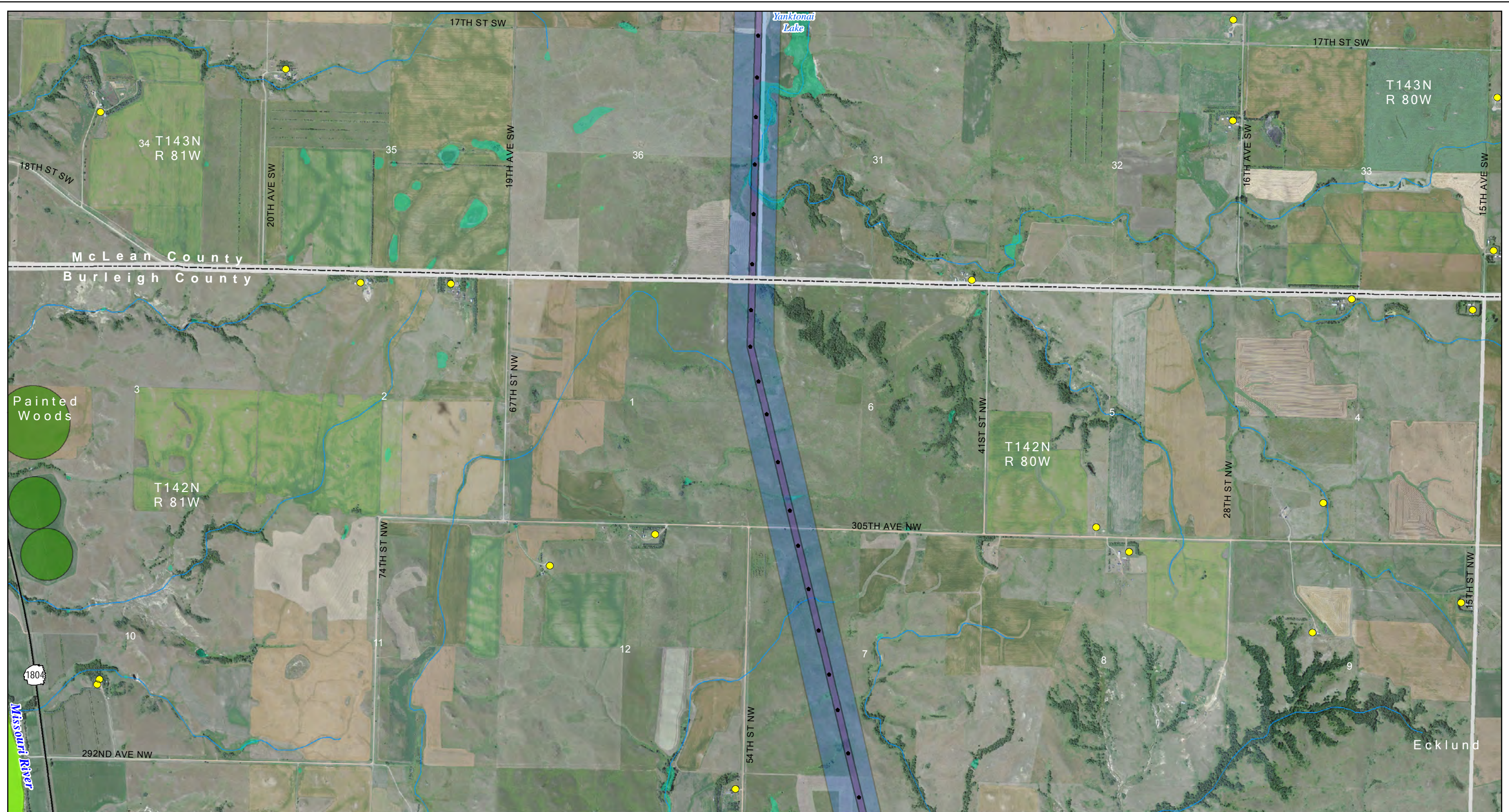
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 3 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

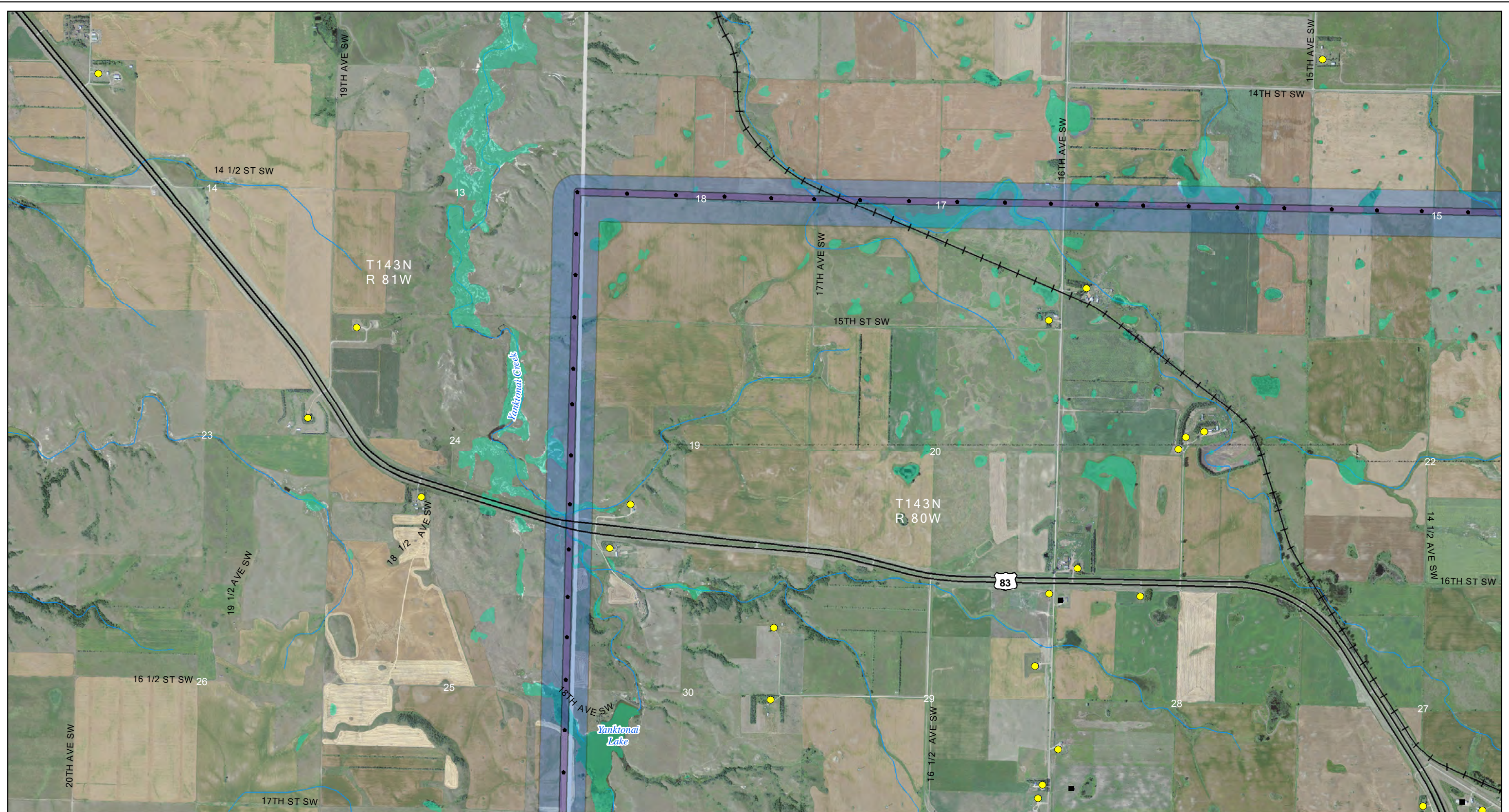
- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 4 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

Scale 1:24,000



Sensitive location information has been redacted from this Figure.

Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Exclusion Areas

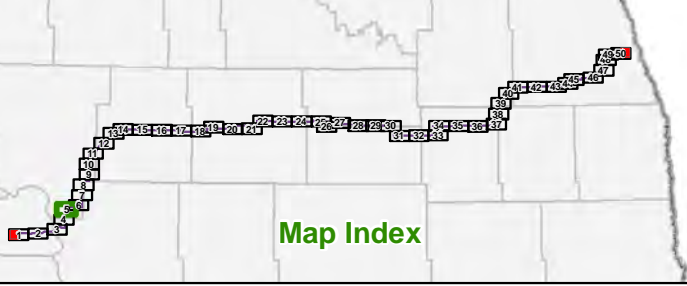
- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

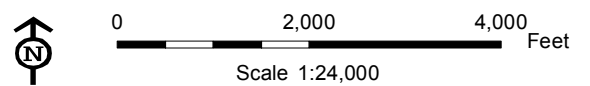
- School
- Business
- Irrigated Land
- USFWS NWR

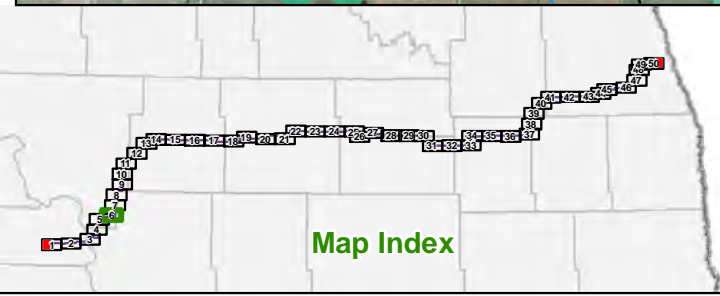
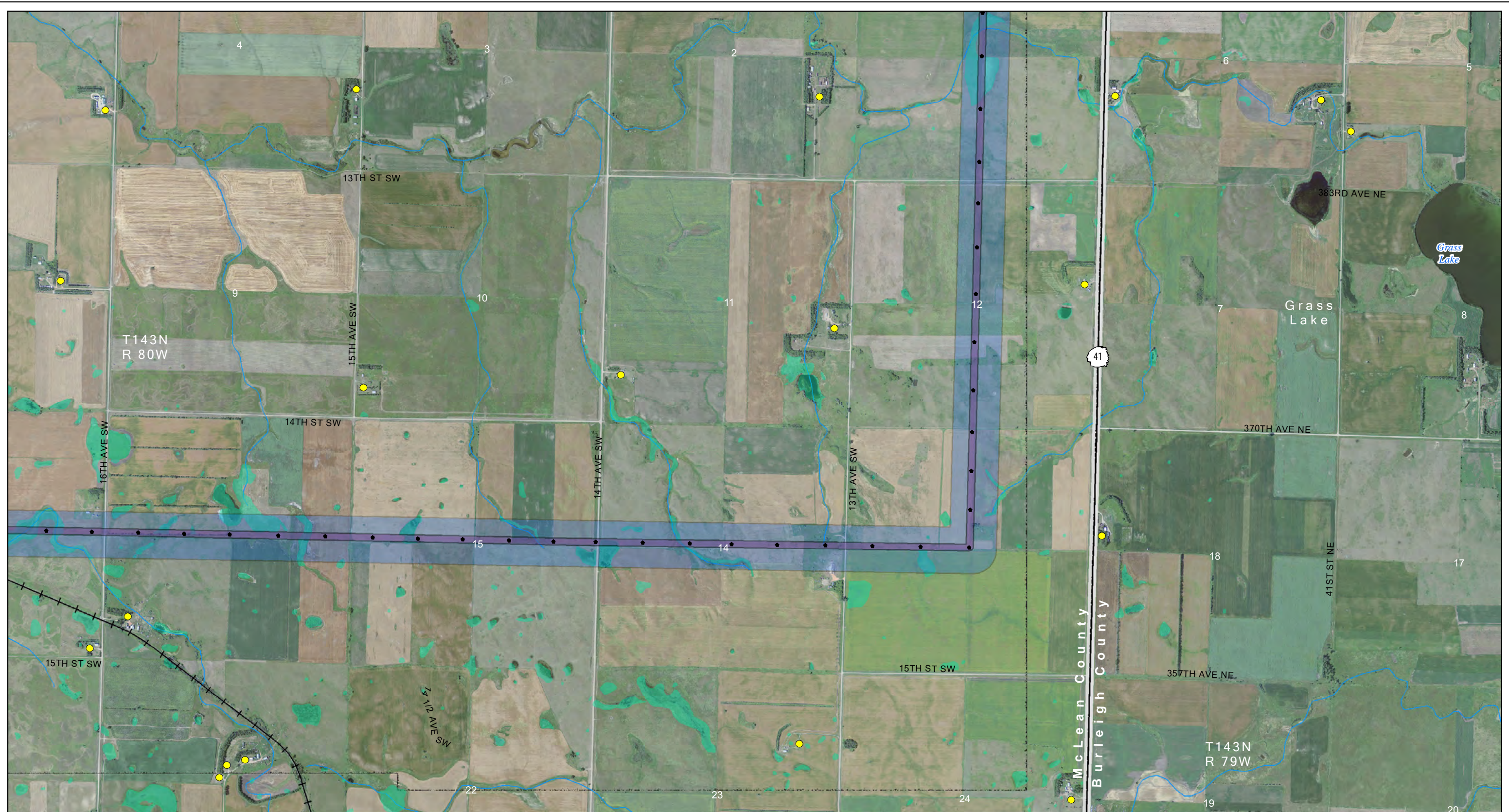
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail



Map Index

Figure 3: Page 5 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.





Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

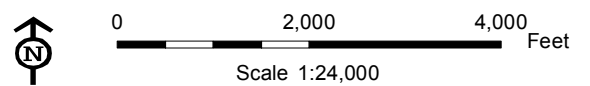
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

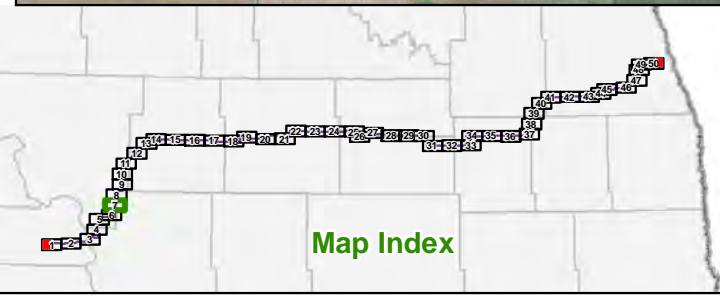
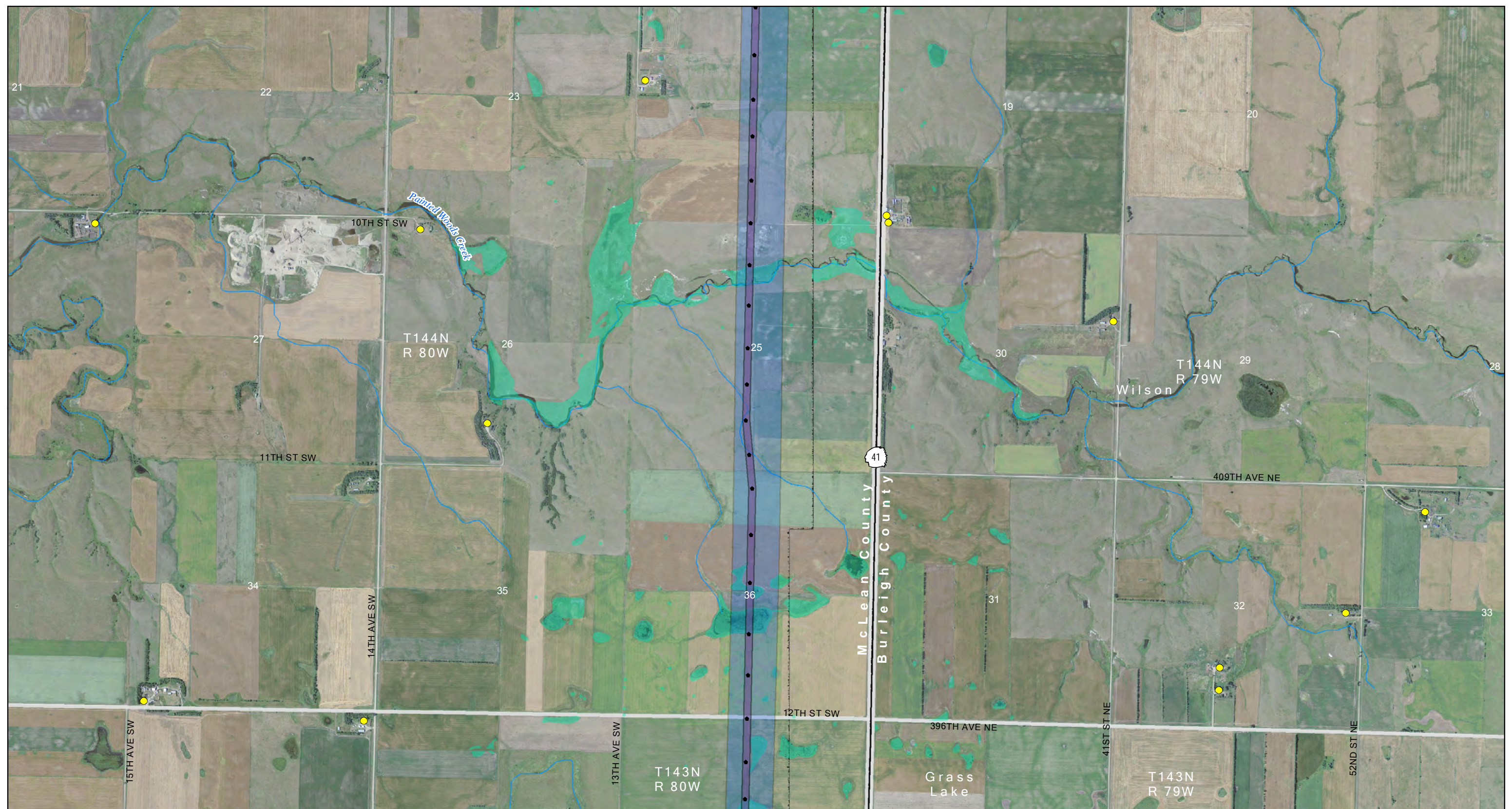
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 6 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

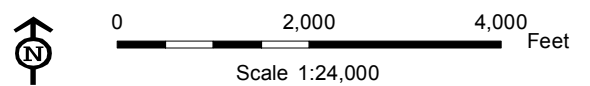
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

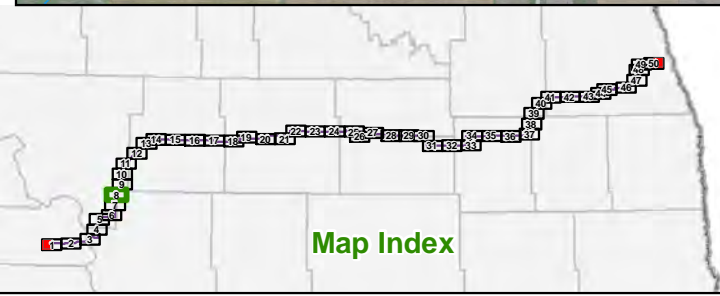
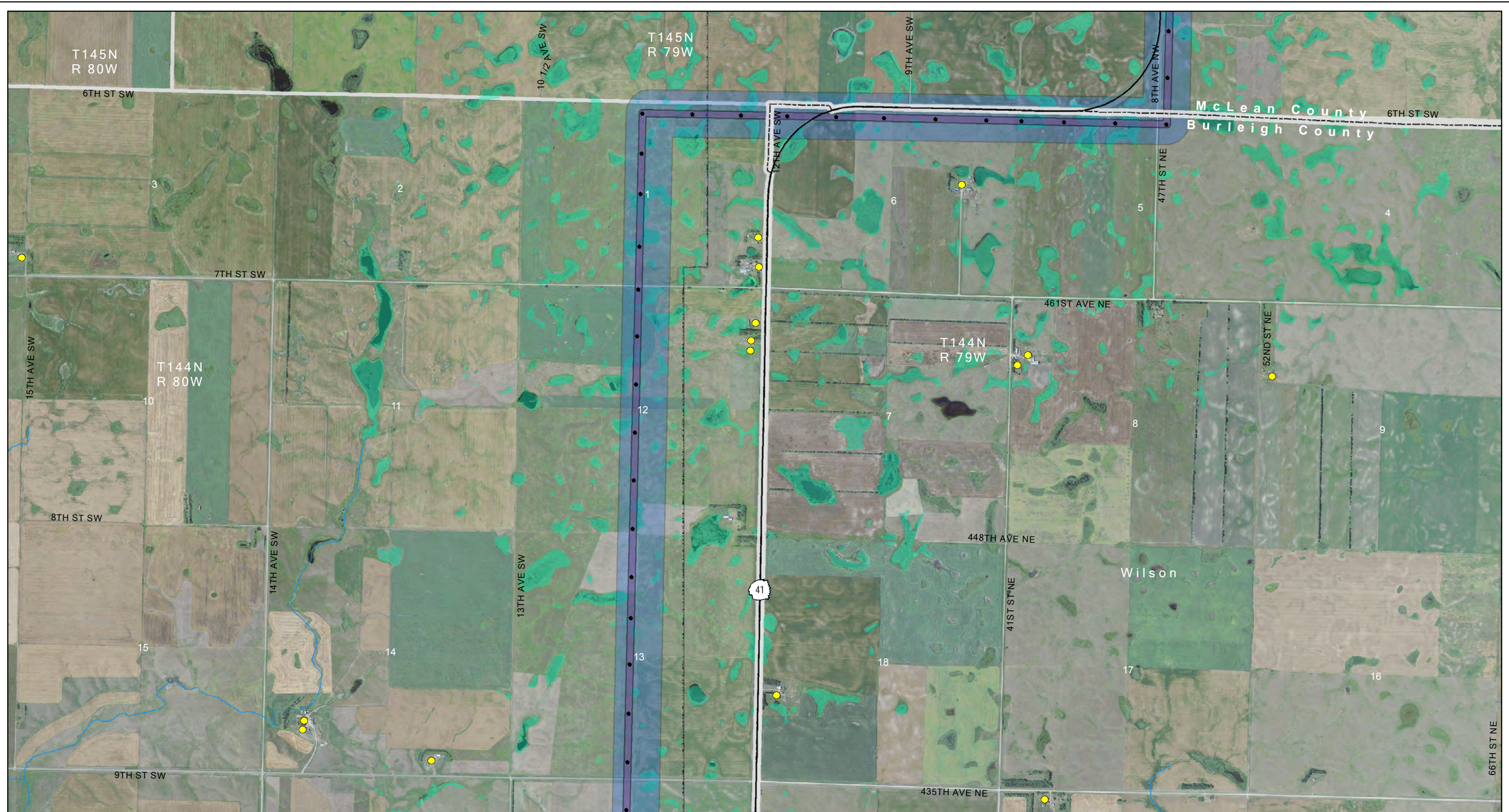
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 7 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

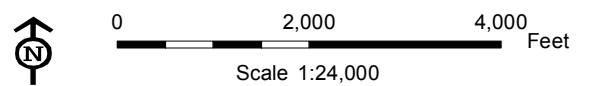
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

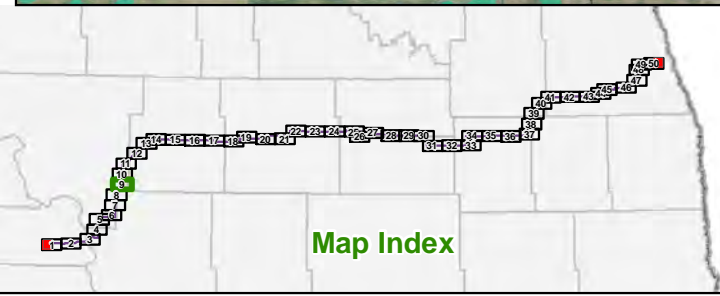
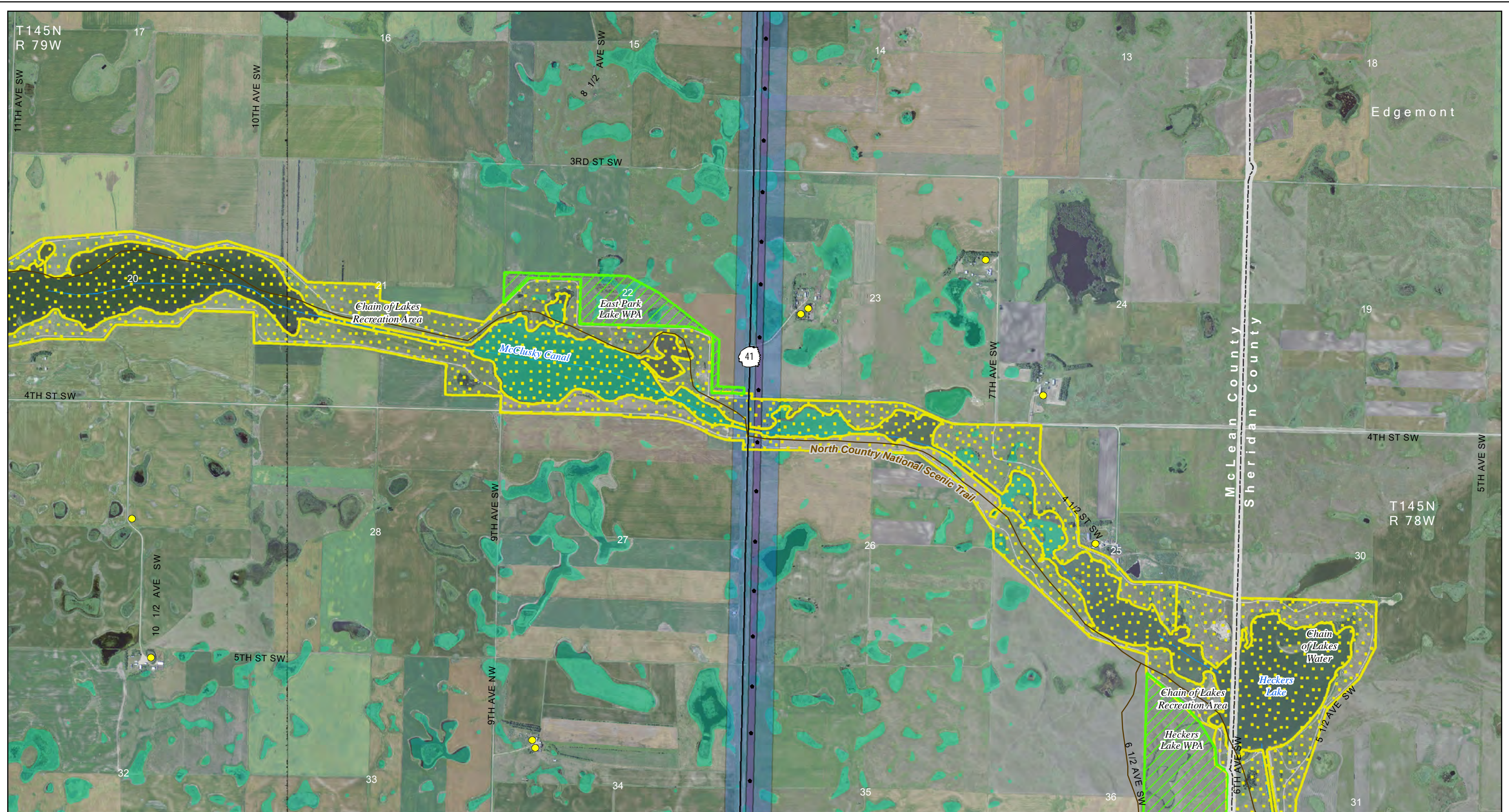
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 8 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

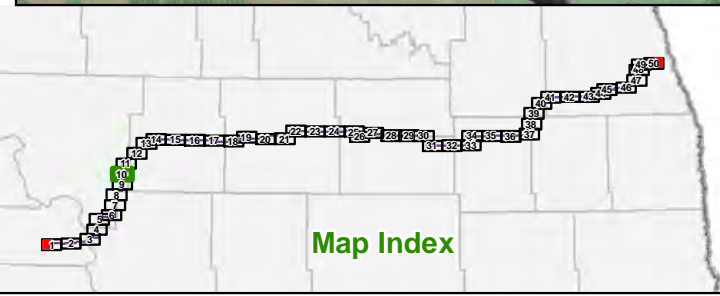
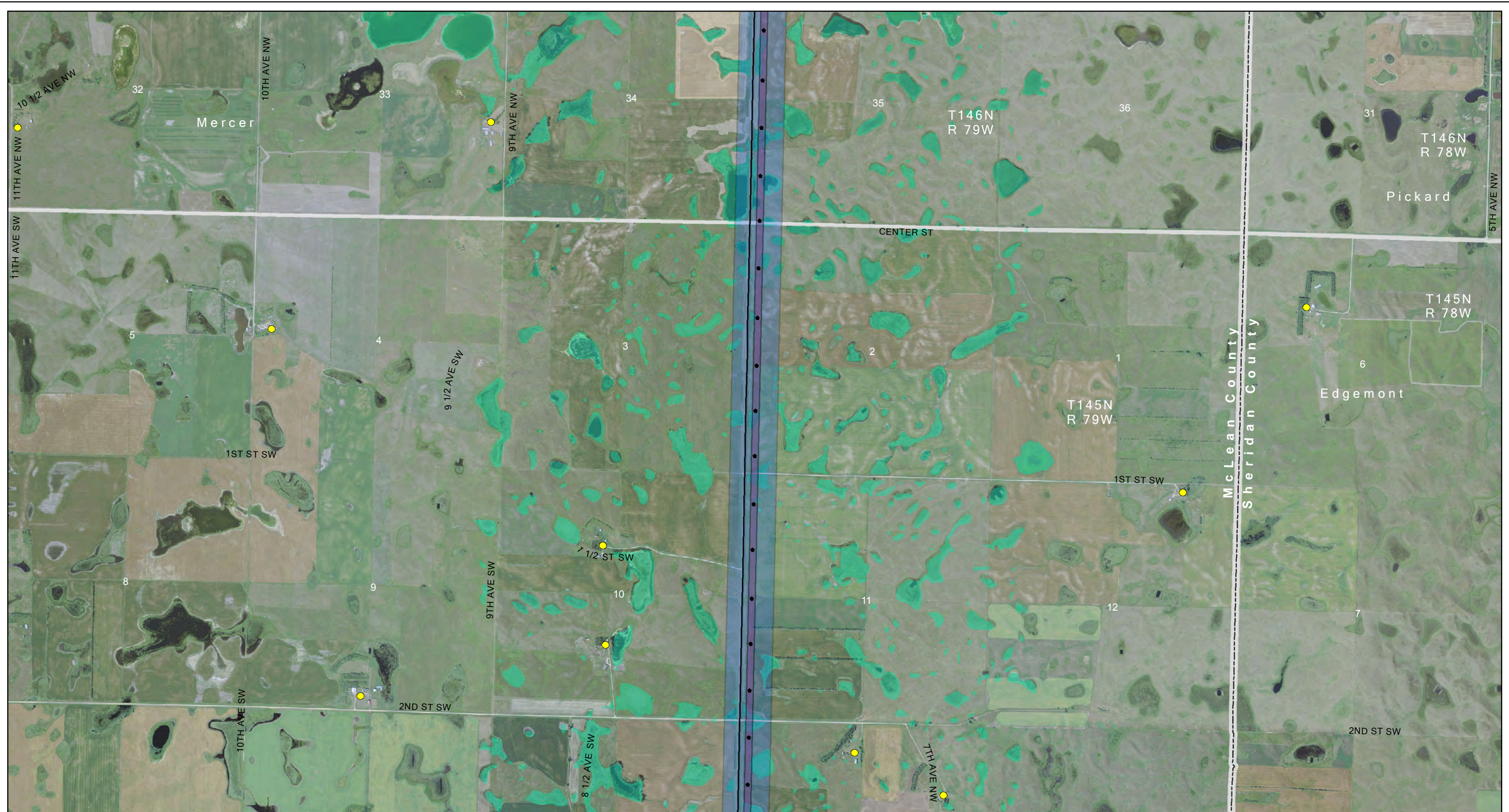
- USFWS WPA or WDA
- State WMA
- USBOR Land - McChusky Canal
- National Trail

Figure 3: Page 9 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

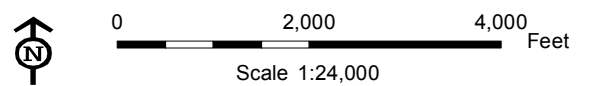
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

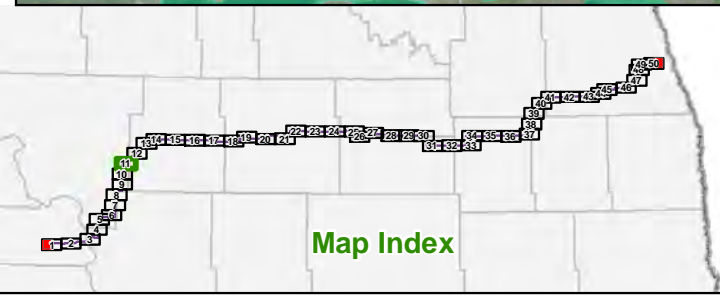
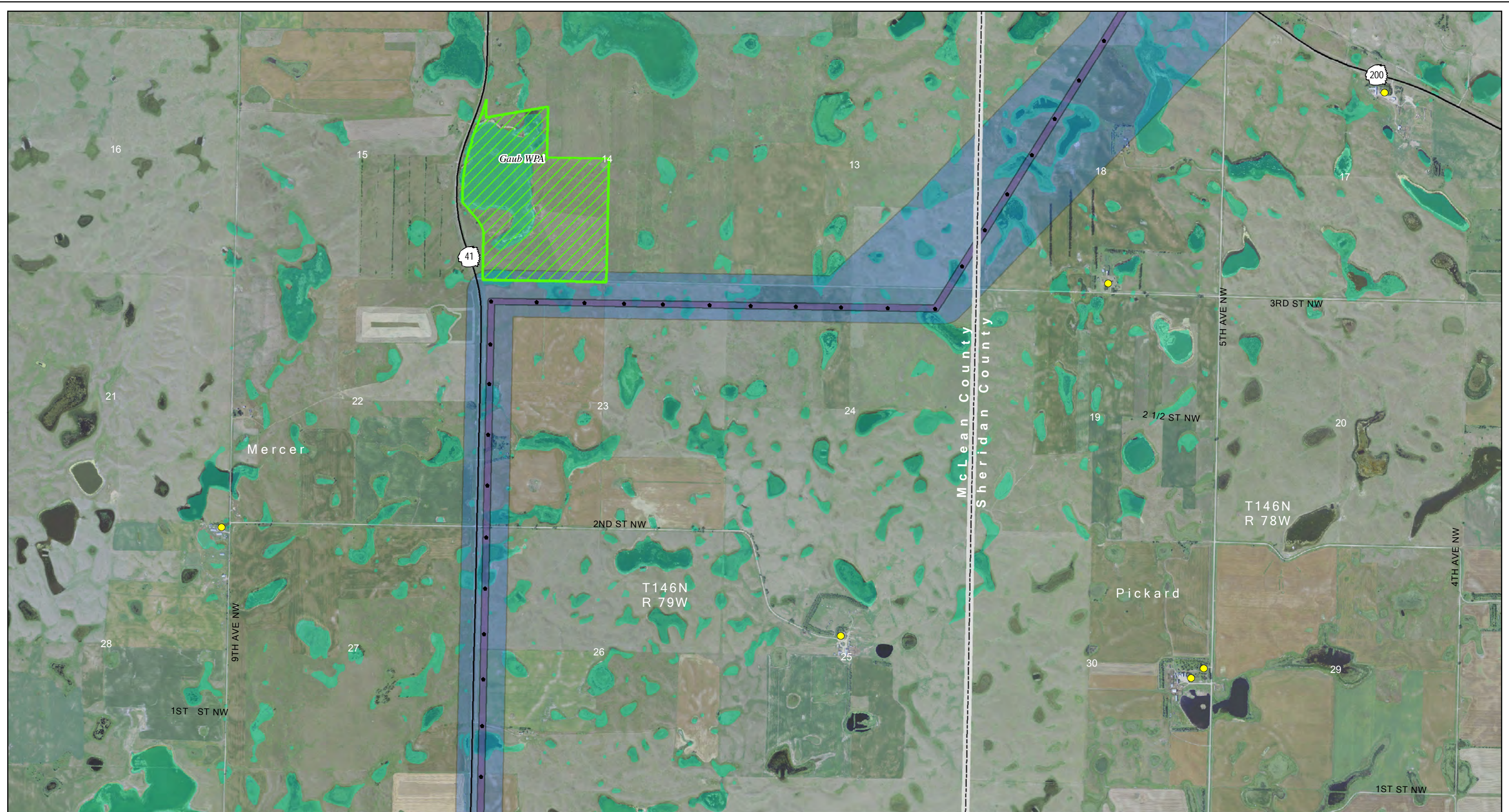
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 10 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

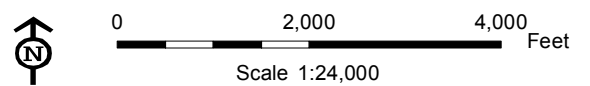
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

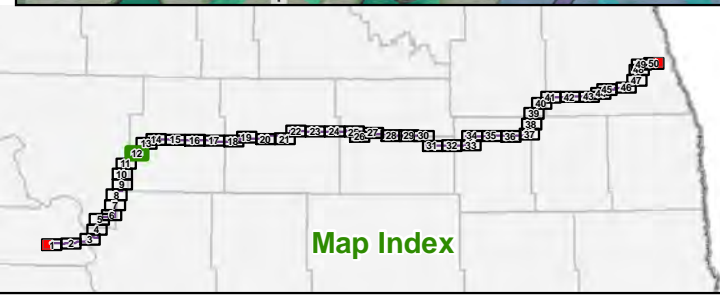
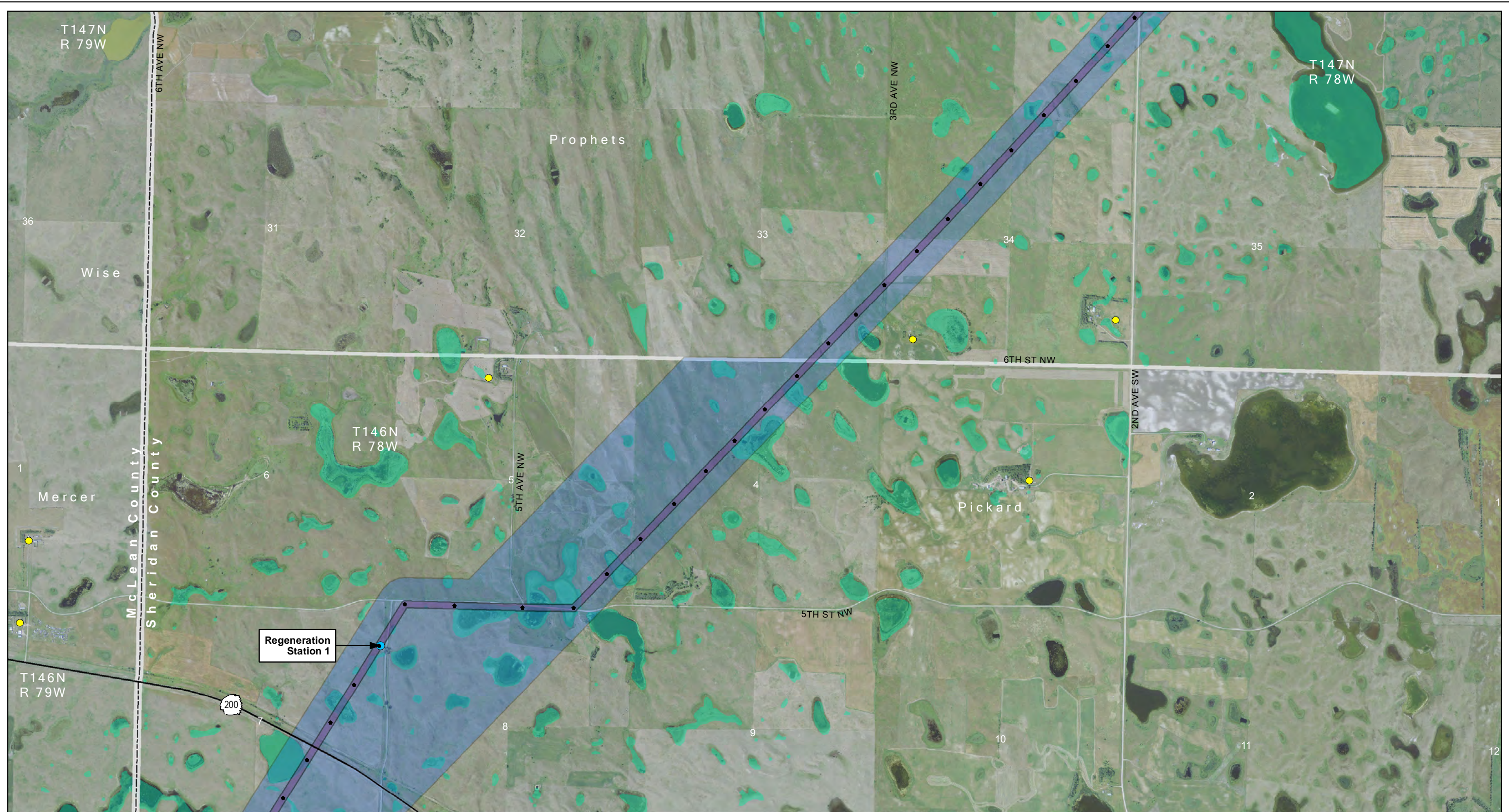
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 11 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

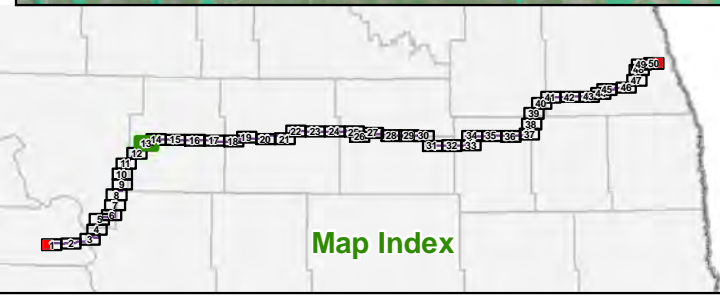
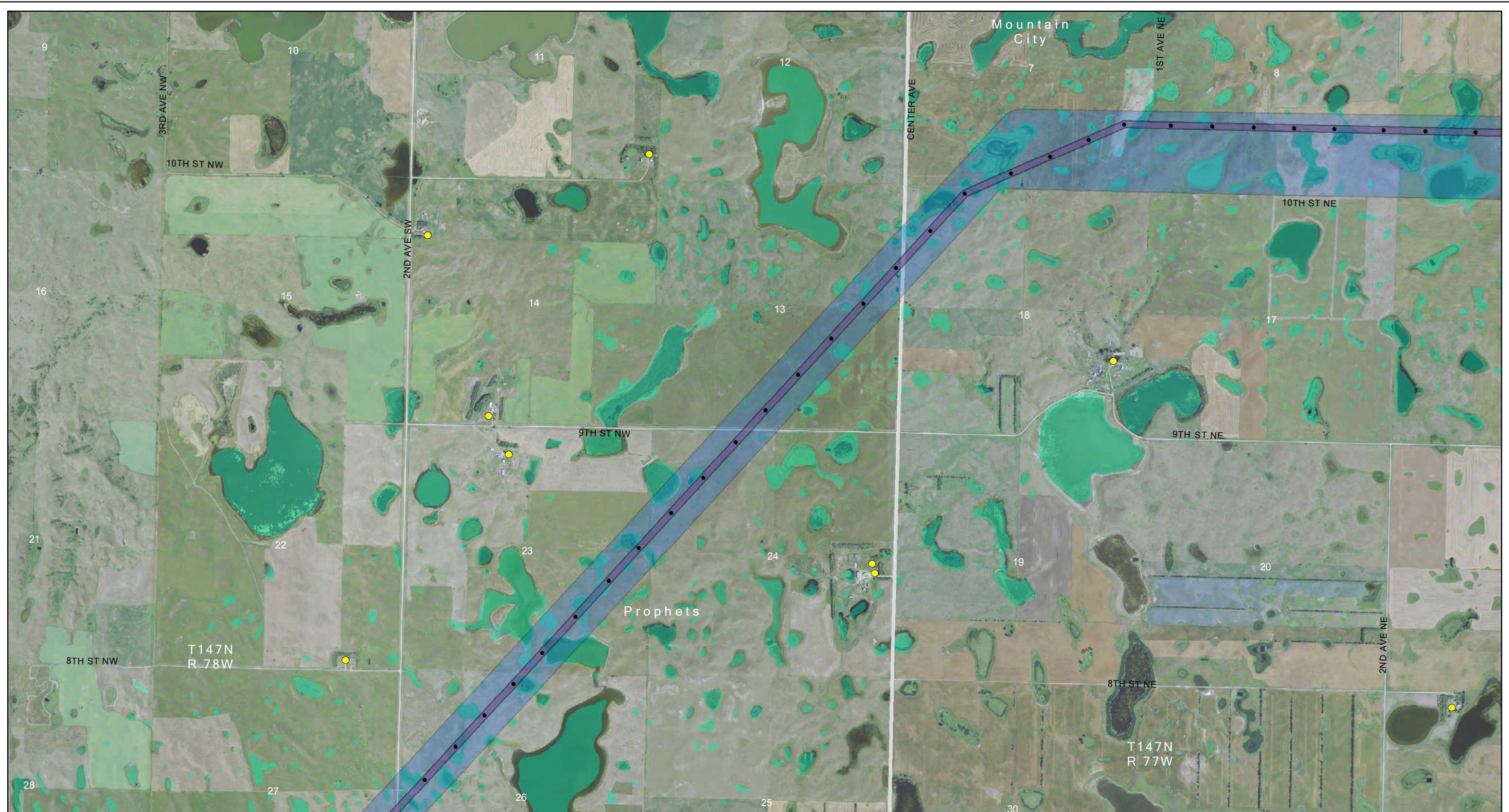
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 12 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

Scale 1:24,000

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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

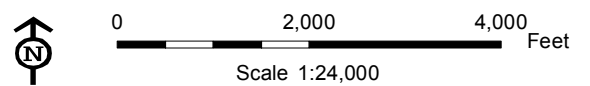
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

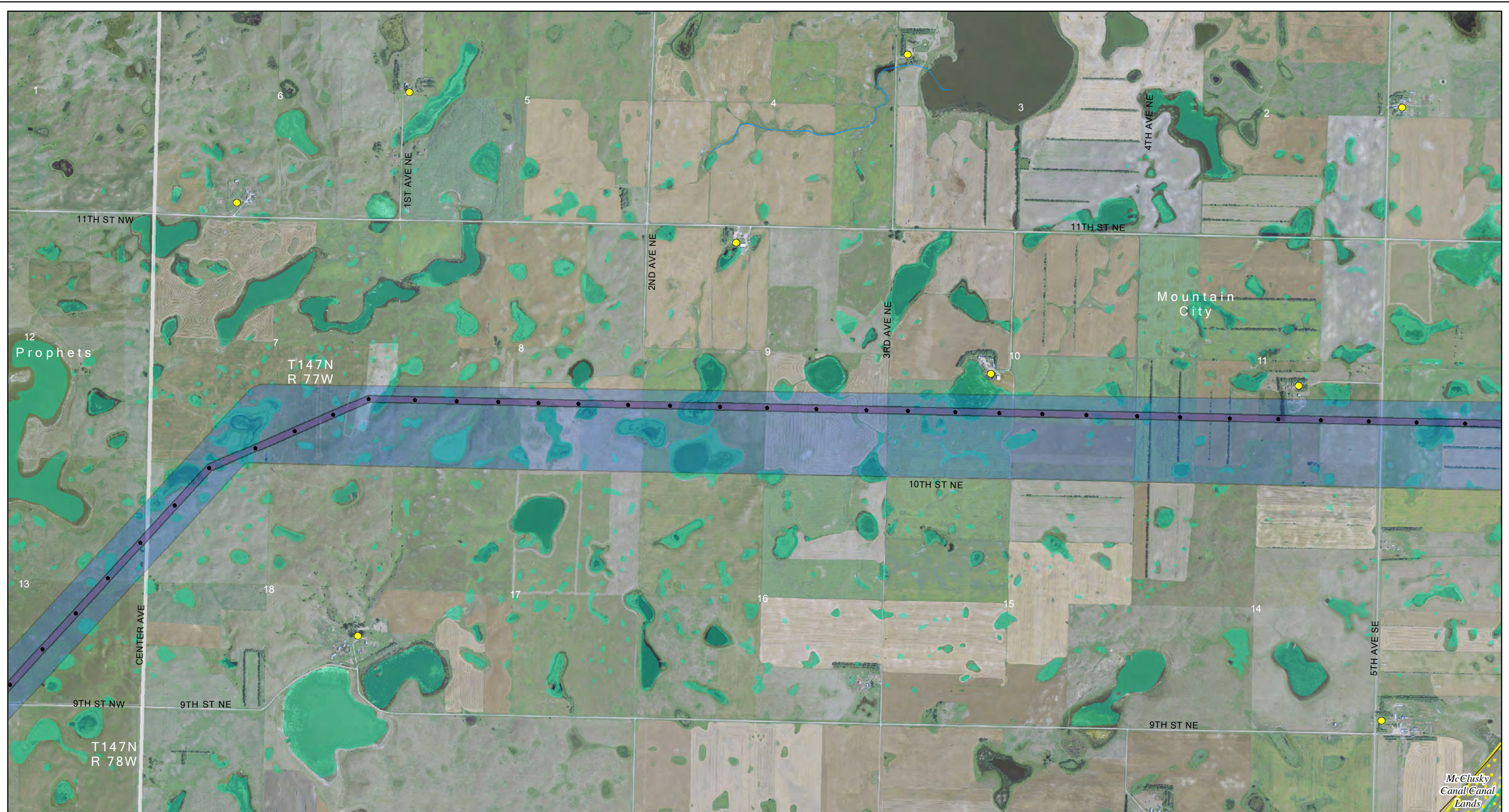
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

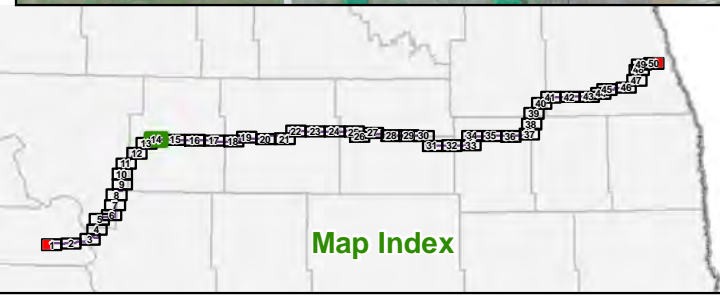
Figure 3: Page 13 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.



Date: 11/28/2011
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McClusky
Canal
Lands



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

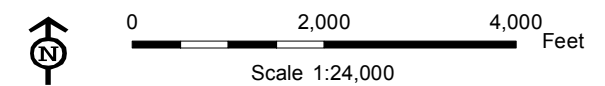
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

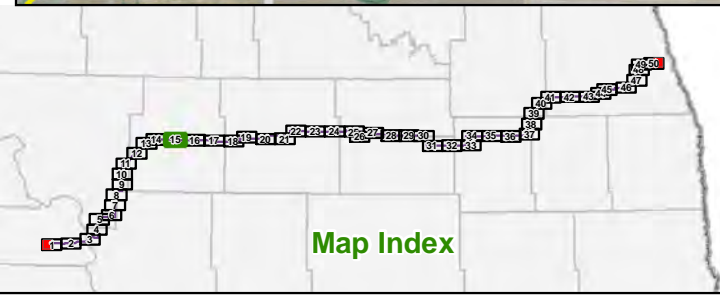
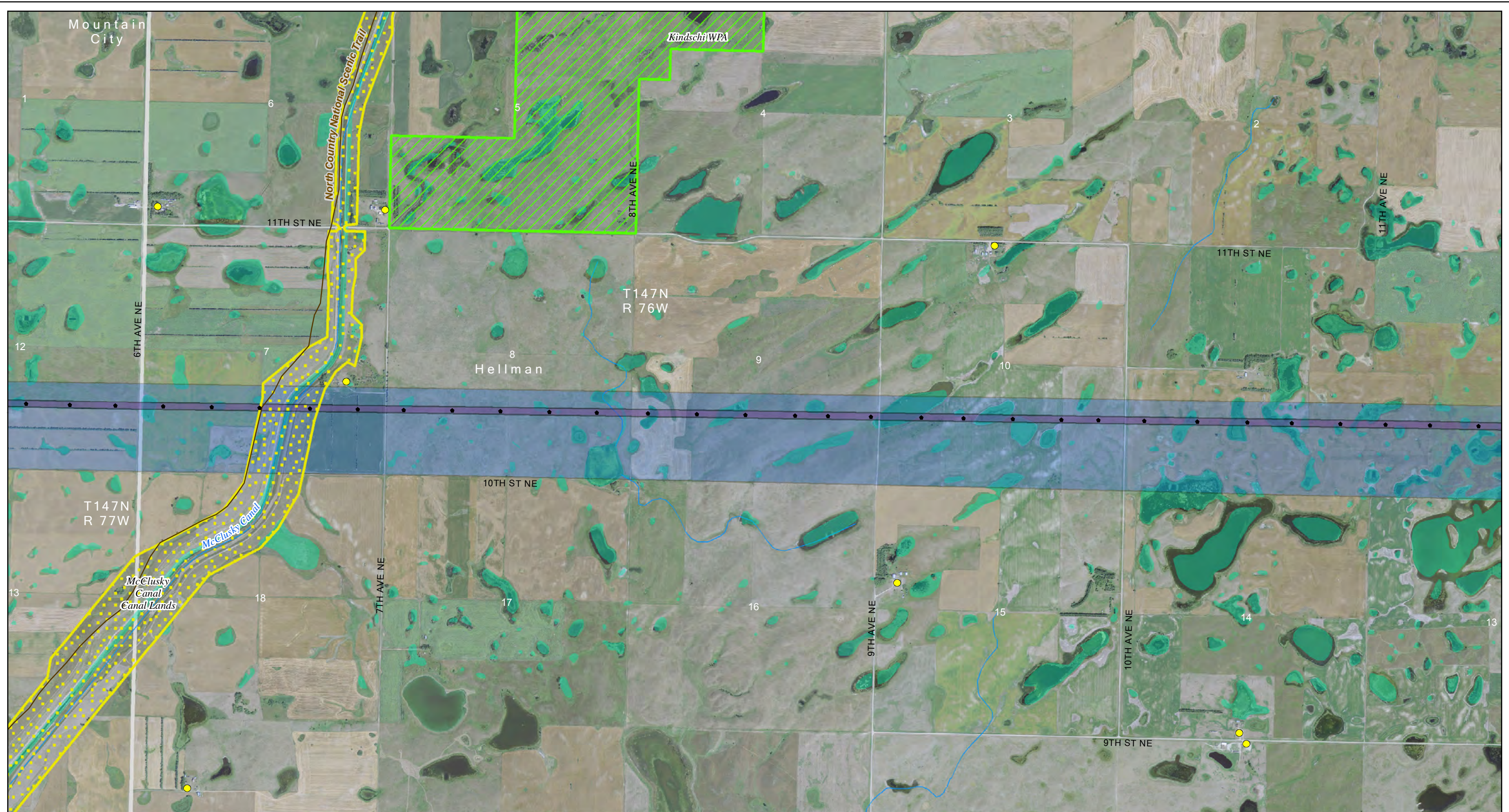
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 14 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

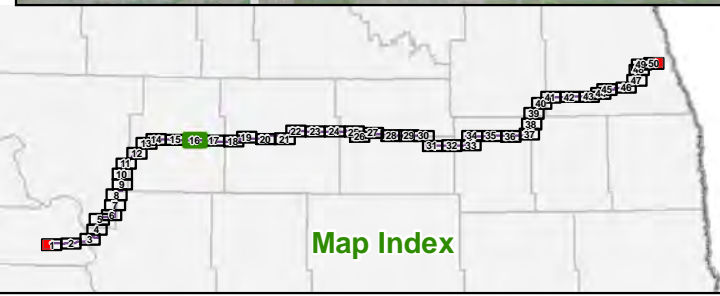
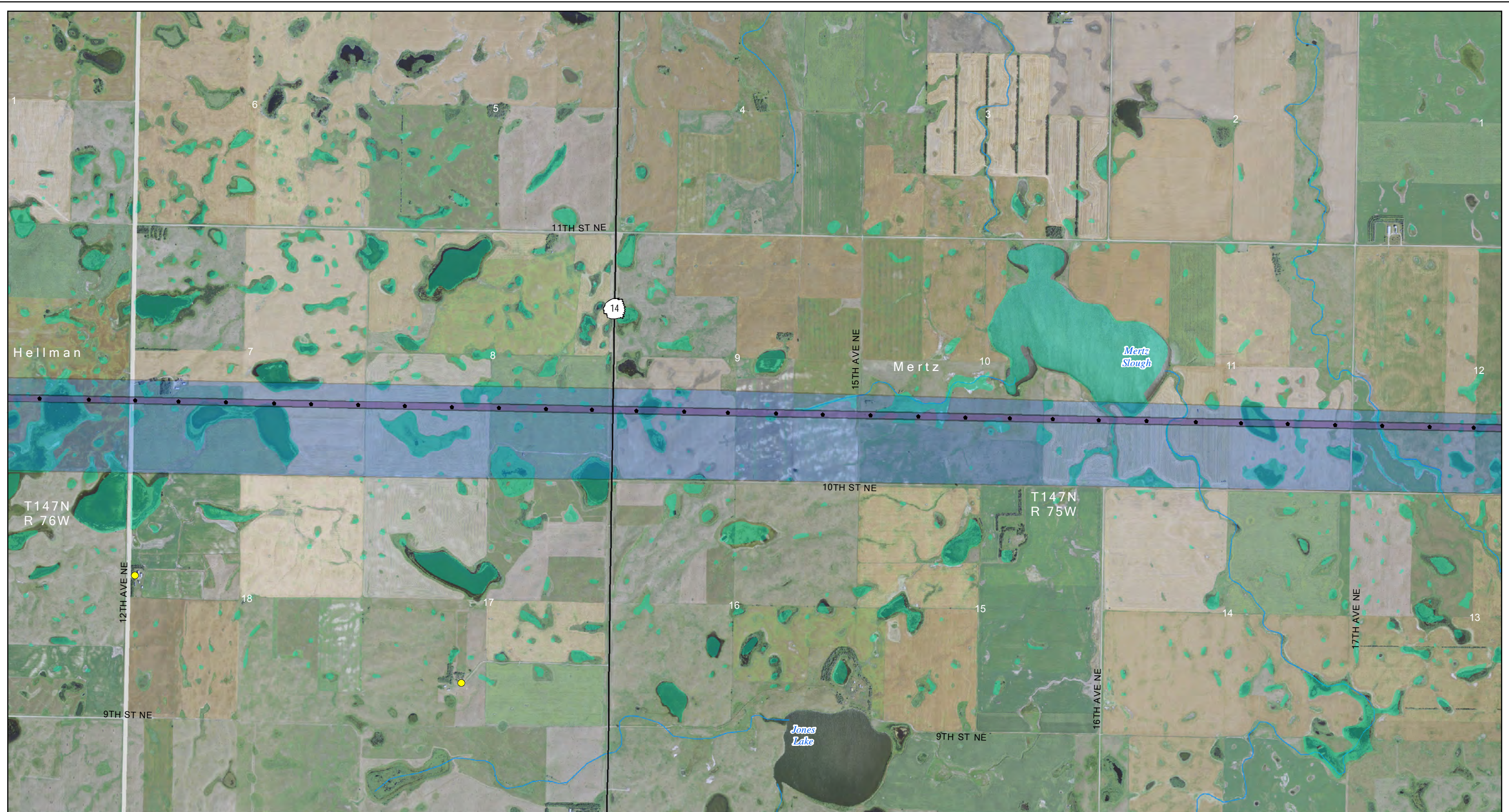
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 15 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

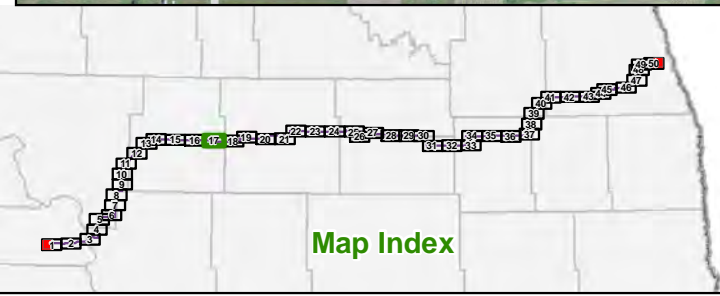
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 16 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnetonka Power Cooperative, Inc.

0 2,000 4,000 Feet
Scale 1:24,000

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

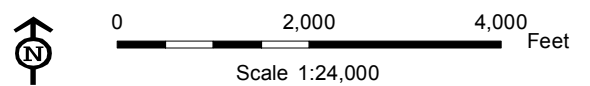
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

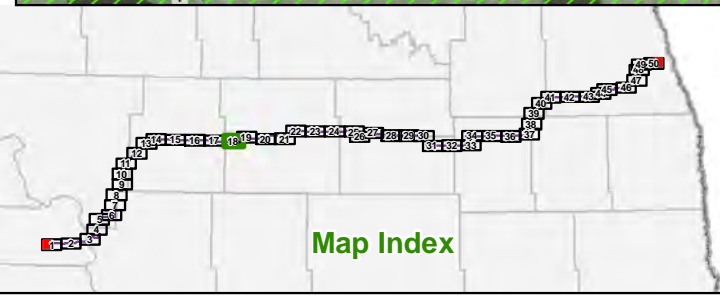
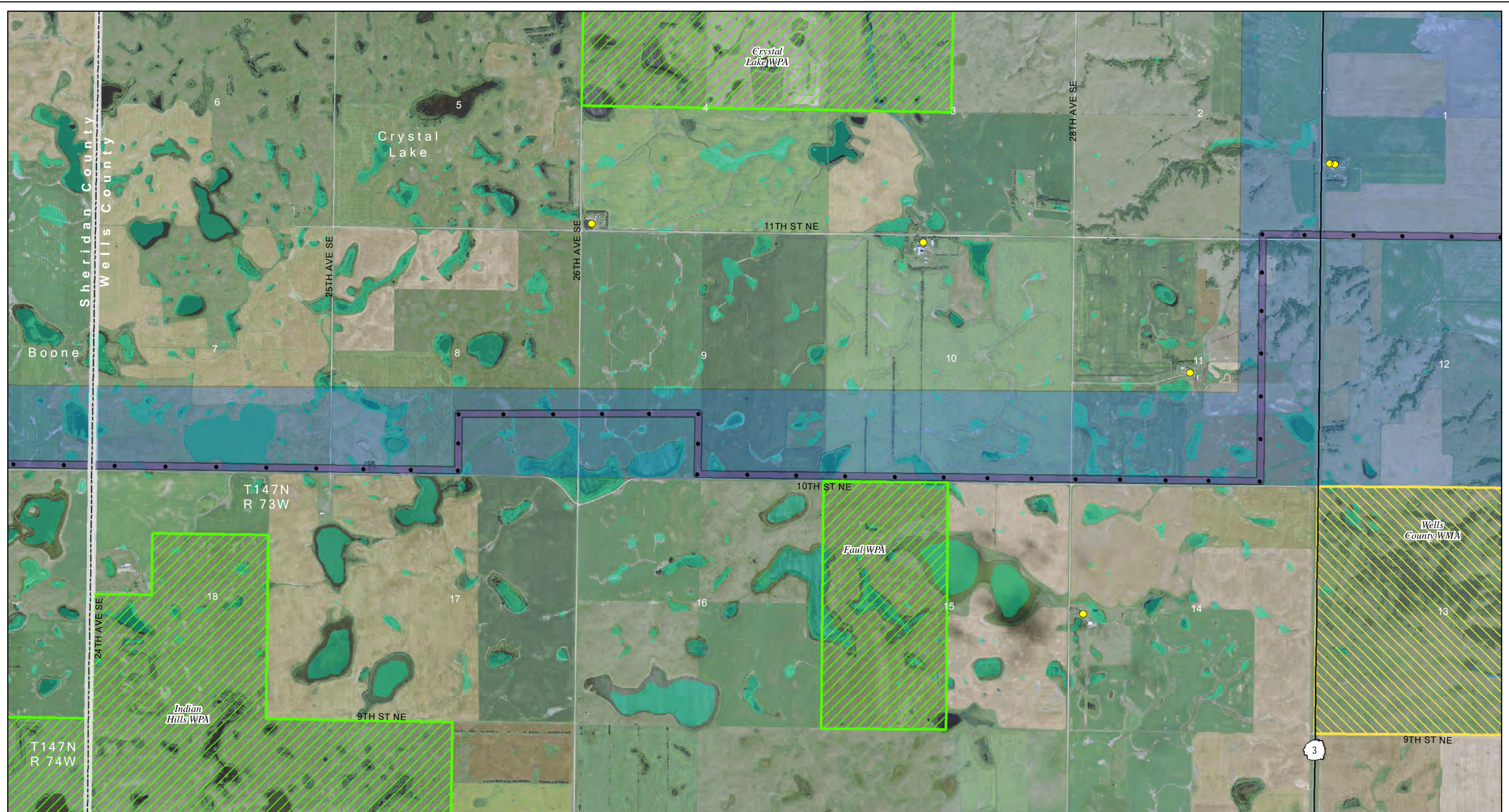
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 17 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/28/2014
 Path: \\mspe-sis-fie\GIS\Projects\Minnkota\110900\map_docs\PS\CR\route\map_CGFRPA_03_1x17L_50p_Excel\void.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

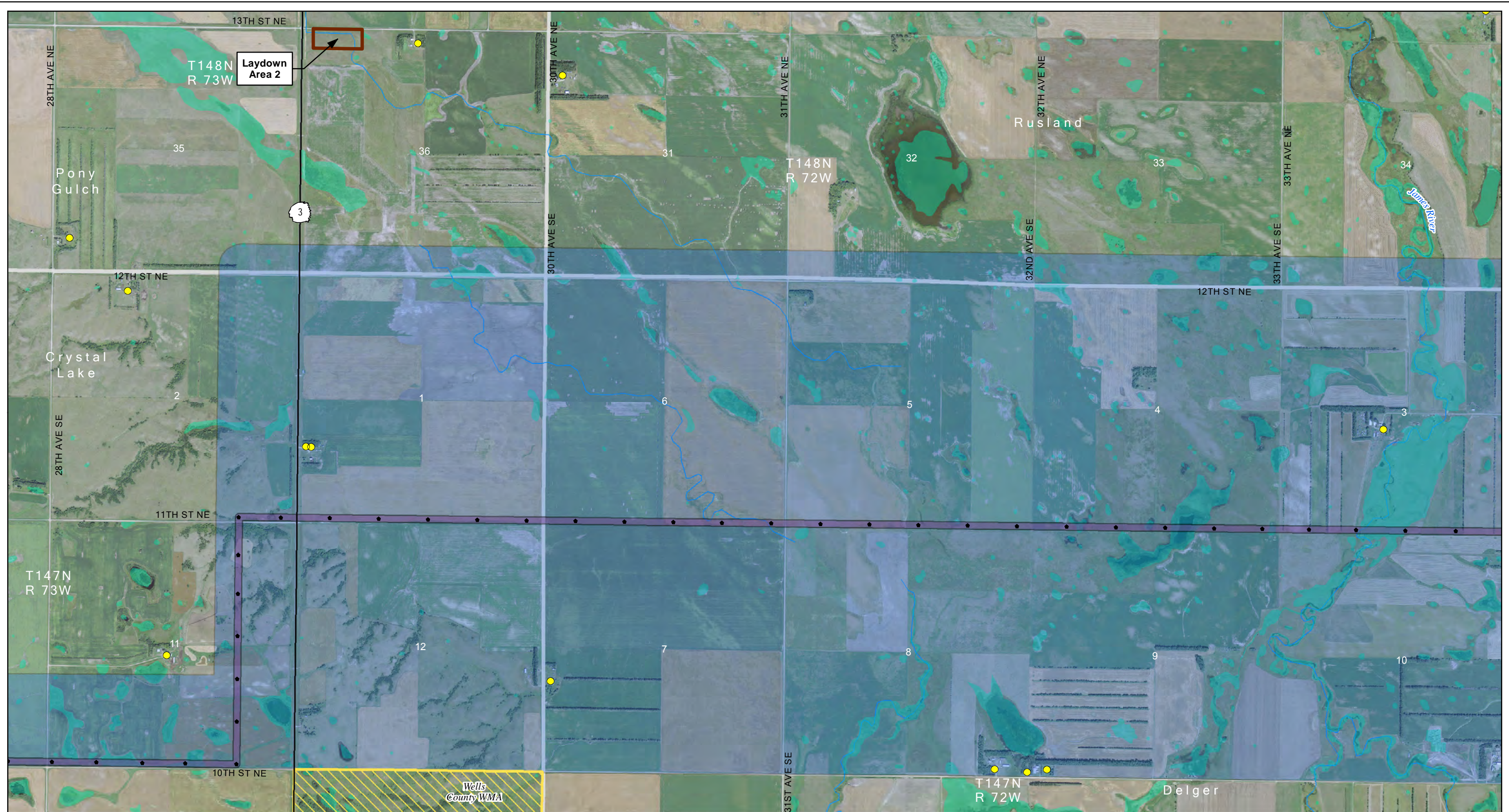
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 18 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
 Path: \\mspe-sis-fie\GIS\Projects\Minnkota\110900\map_docs\PS\CGI\route\map_CGFRPA_03_1x17L_50p_Excel\void.mxd



- Project Areas**
- Project ROW
 - Proposed Structure
 - Proposed Modified Corridor - November 18, 2011
 - Project Substation
 - Laydown Area
 - Fiber Optic Regeneration Station

- Sensitive location information has been redacted from this Figure.*
- Exclusion Areas**
- State Park, Recreation Area or Nature Preserve
 - Piping Plover Critical Habitat

- Avoidance Areas**
- Occupiable Home within 500 ft of Transmission Facility
 - Not Occupiable Home within 500 ft of Transmission Facility
 - Occupiable Home beyond 500 ft of Transmission Facility

- S

 School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

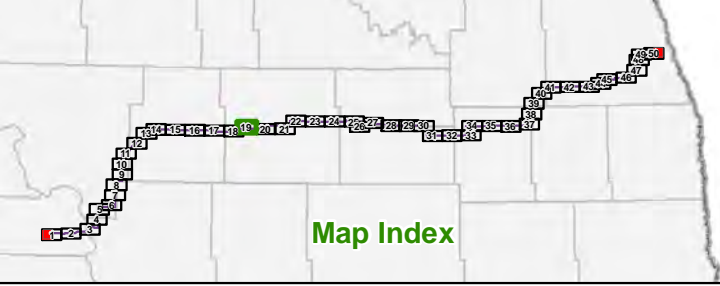
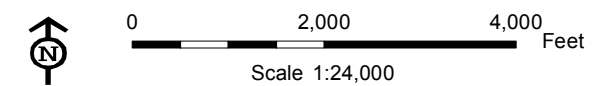
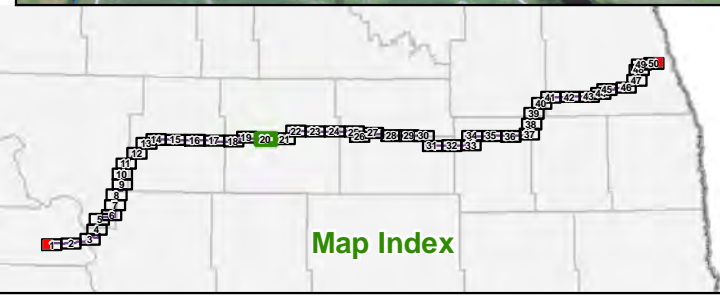
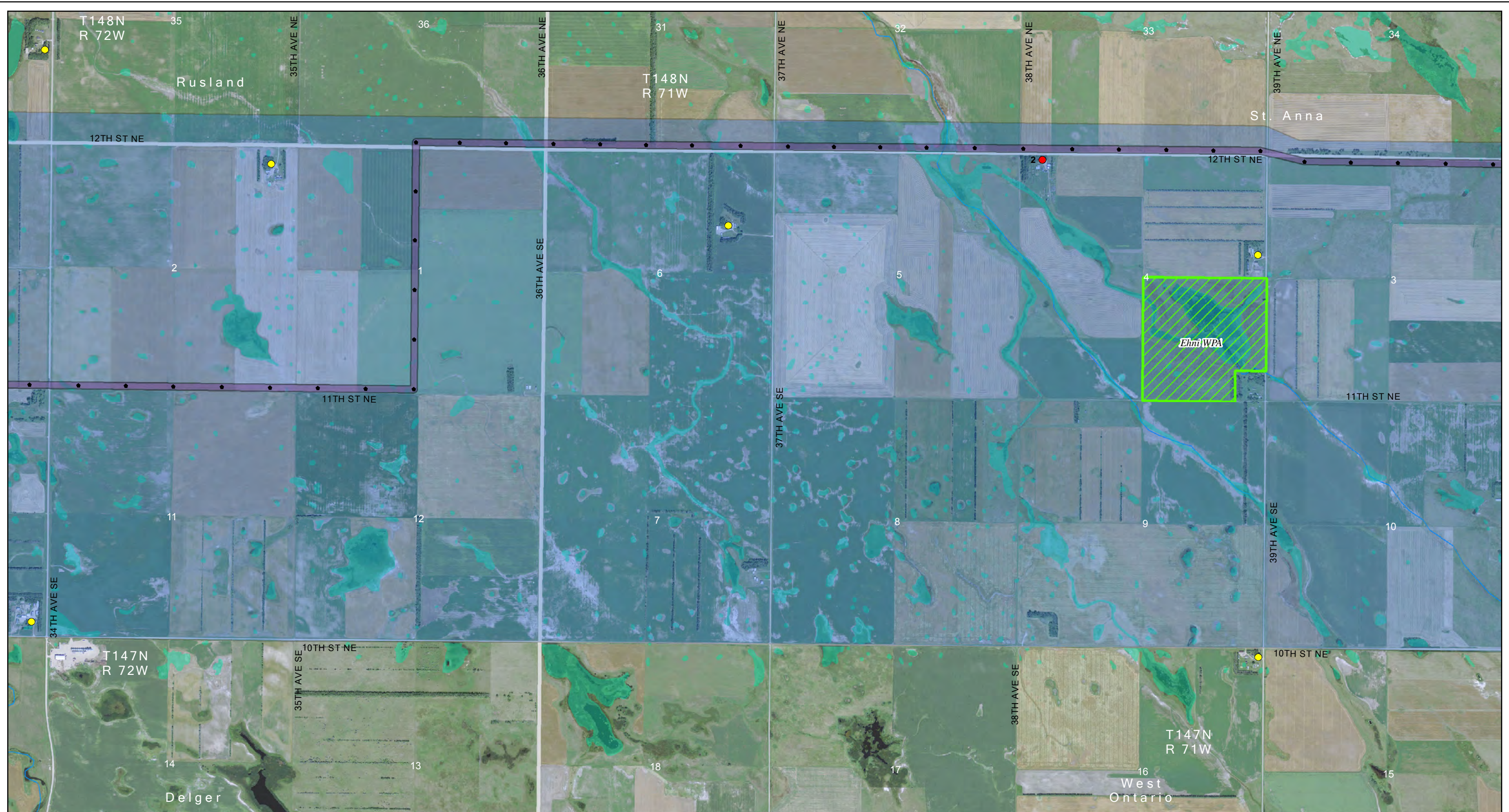


Figure 3: Page 19 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

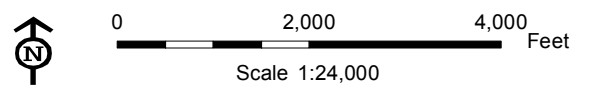
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

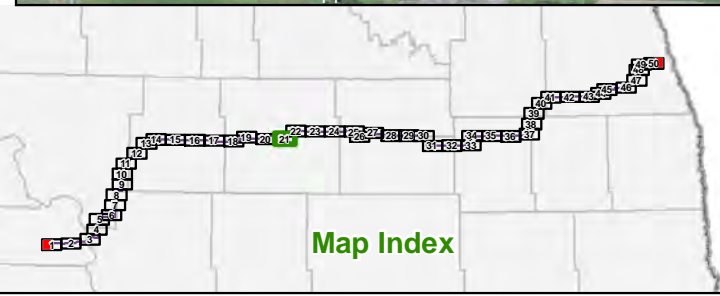
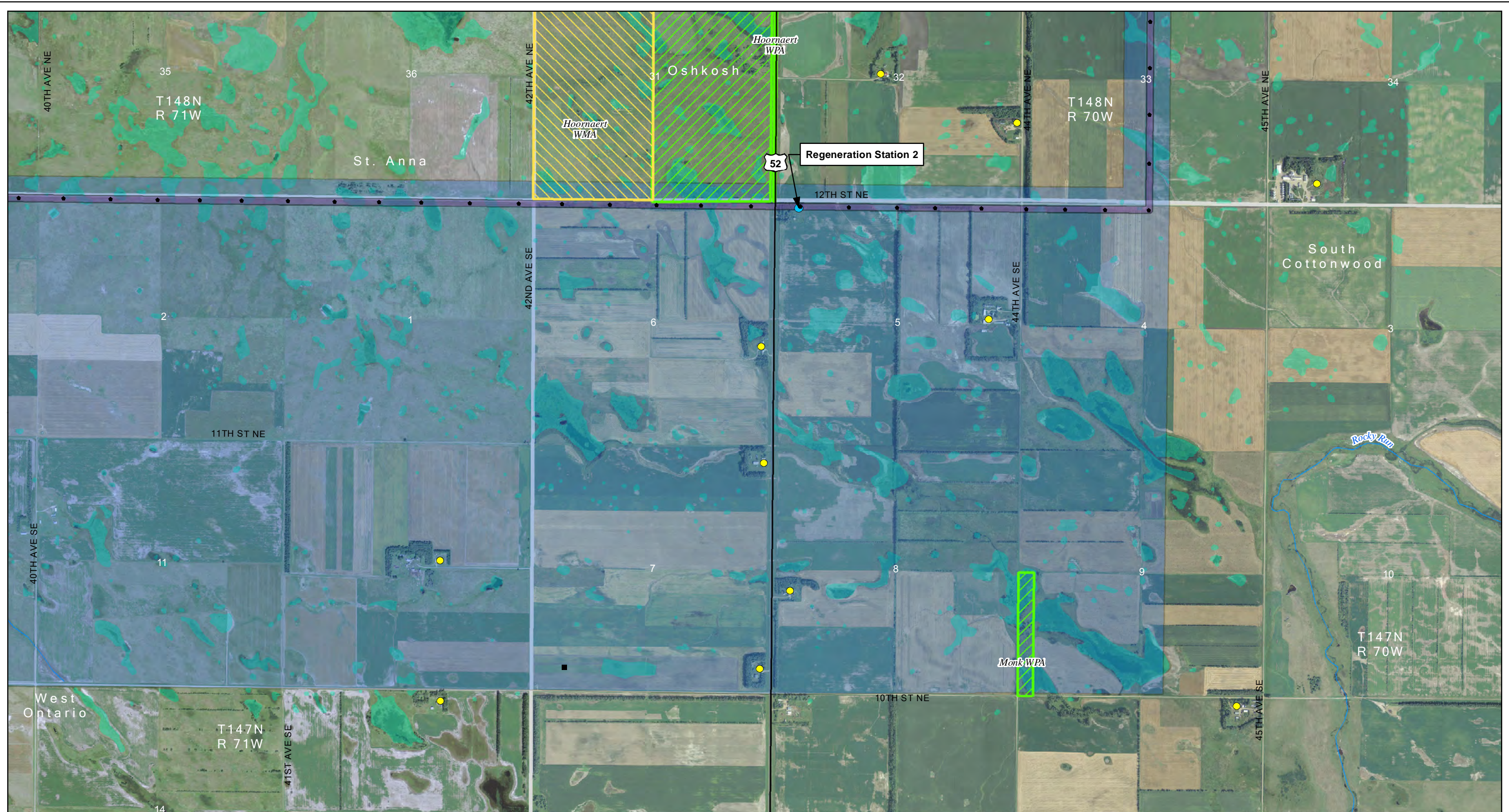
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 20 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

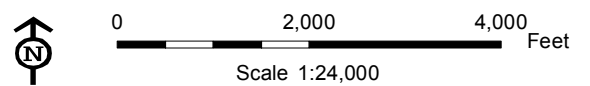
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

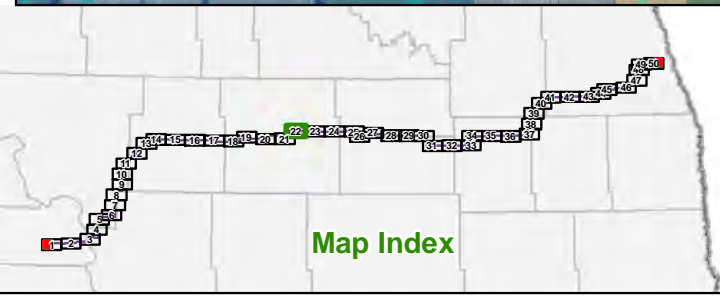
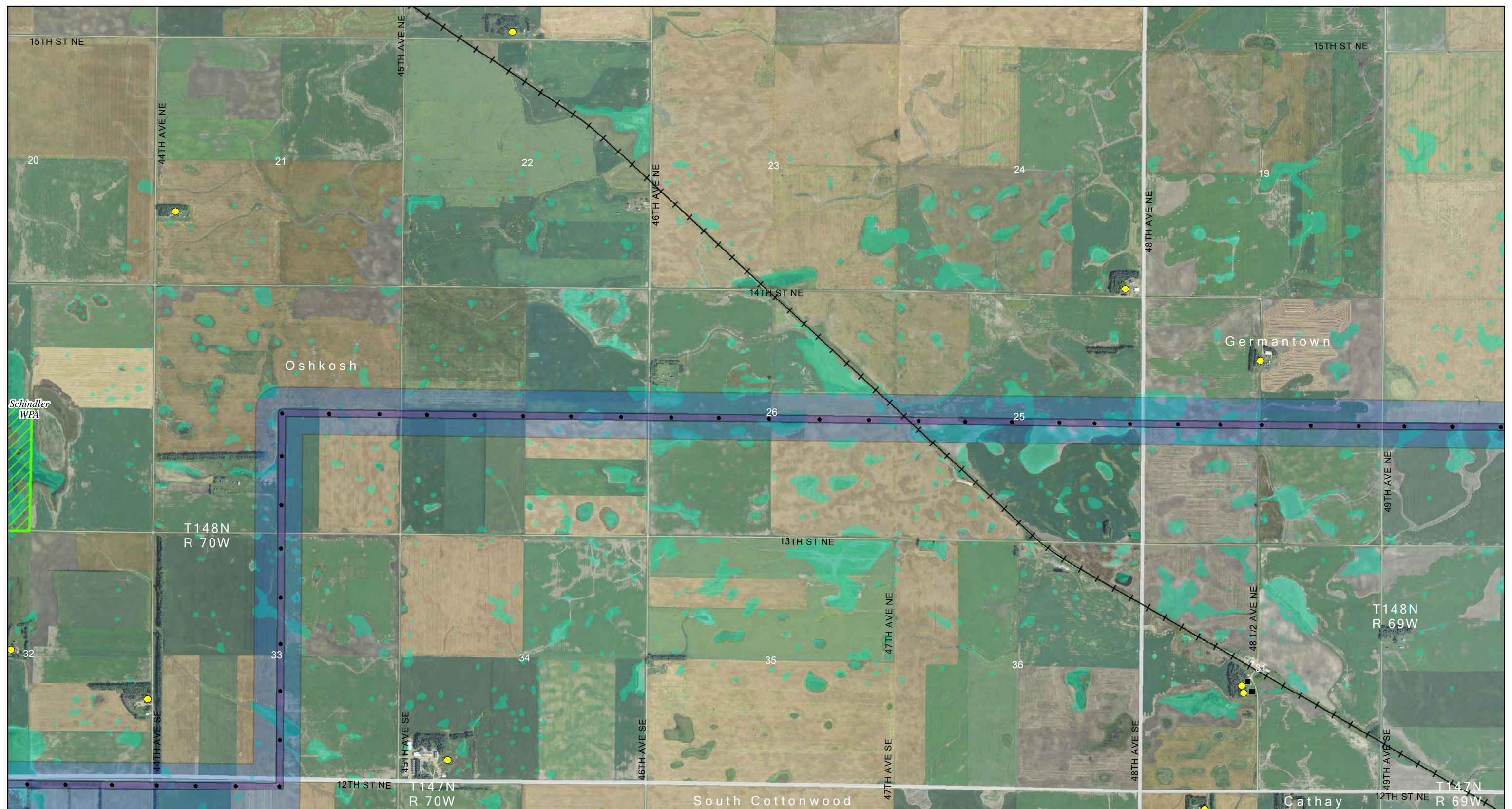
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 21 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/28/2014
 Path: \\mspe-gis-fie\GIS\Projects\Minnkota\110900\map_docs\PS\CG\route\map\CGFRPA_03_1x17L_50p_Excel\void.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

Sensitive location information has been redacted from this Figure.

- School
- Business
- Irrigated Land
- USFWS NWR

USFWS WPA or WDA

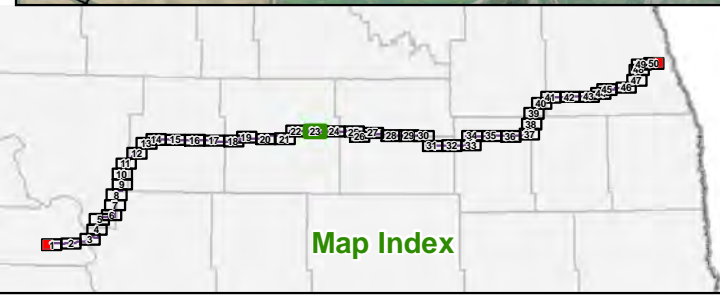
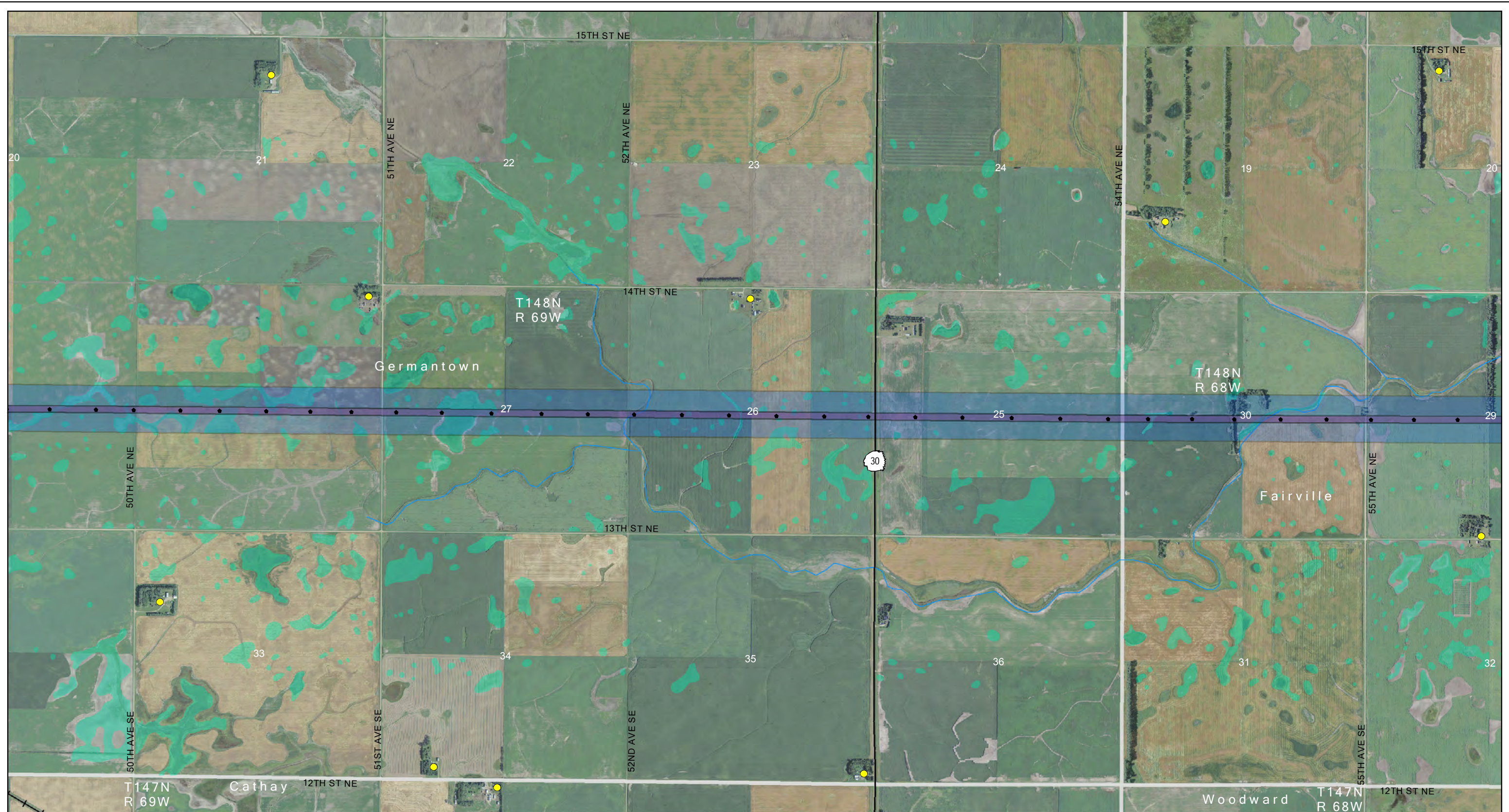
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 22 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
 Path: \\mspe-sis-file\GIS\Projects\Minnkota\110900\map_docs\PSD\RouteMap\CGFPPA_03_11x17L_50p_Excel\void.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

Sensitive location information has been redacted from this Figure.

- School
- Business
- Irrigated Land
- USFWS NWR

Avoidance Areas

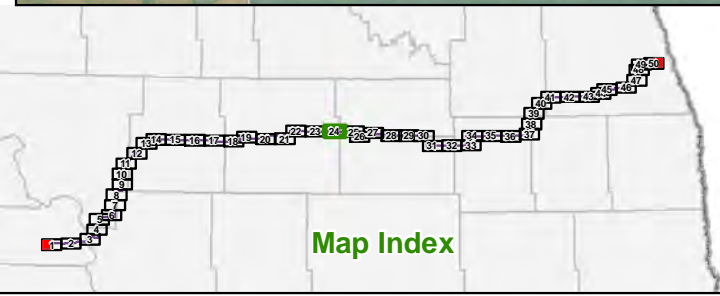
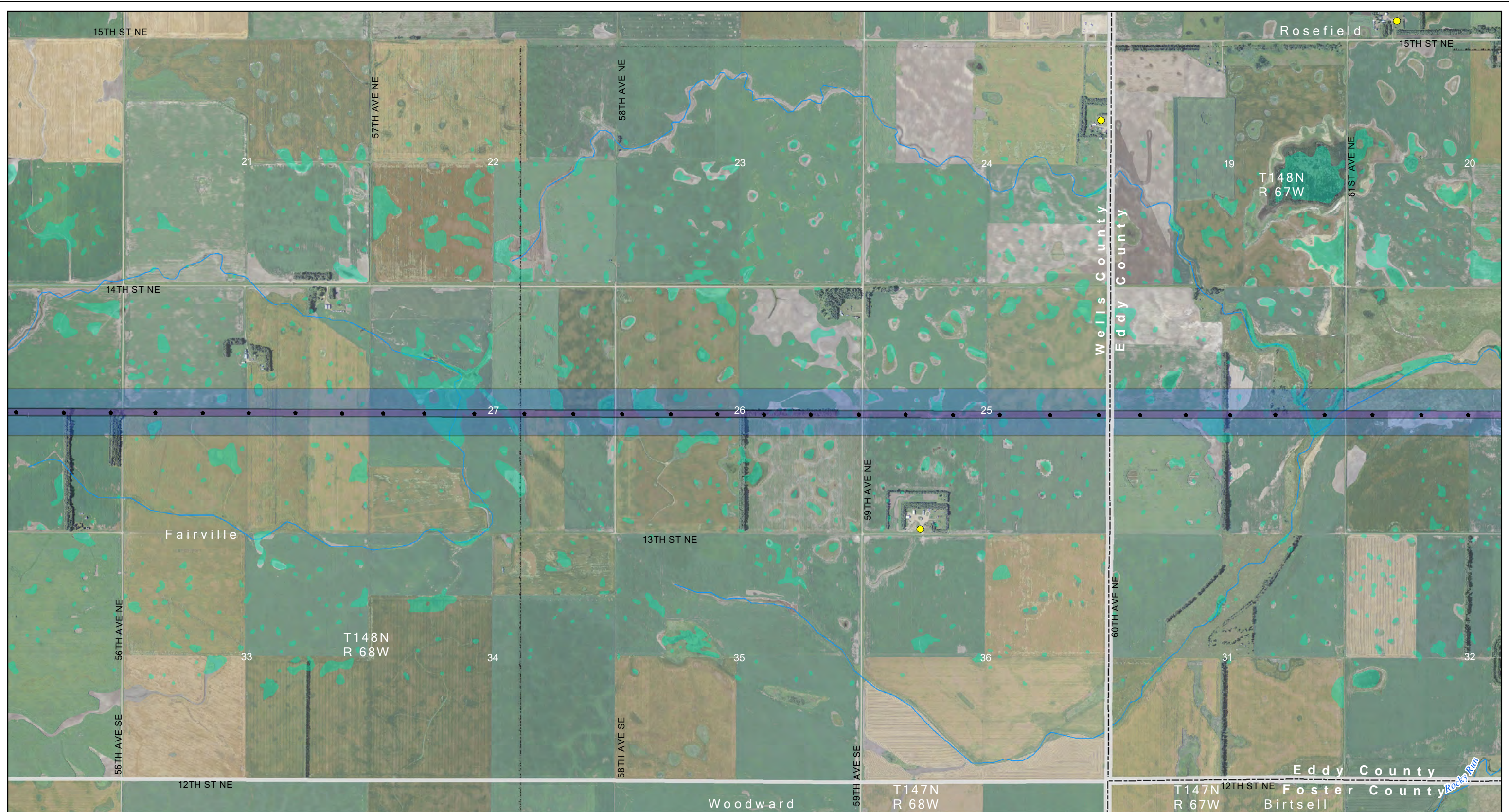
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 23 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

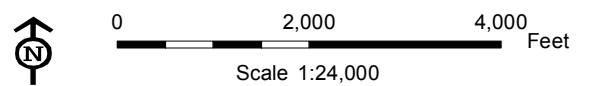
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

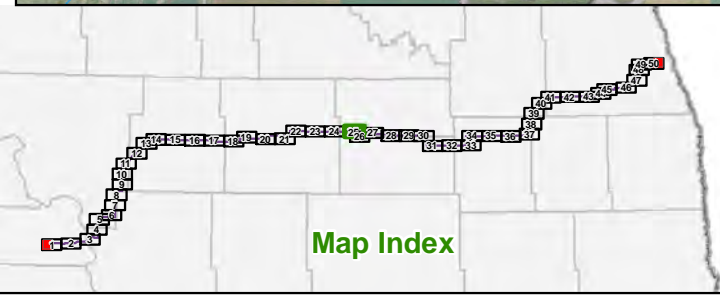
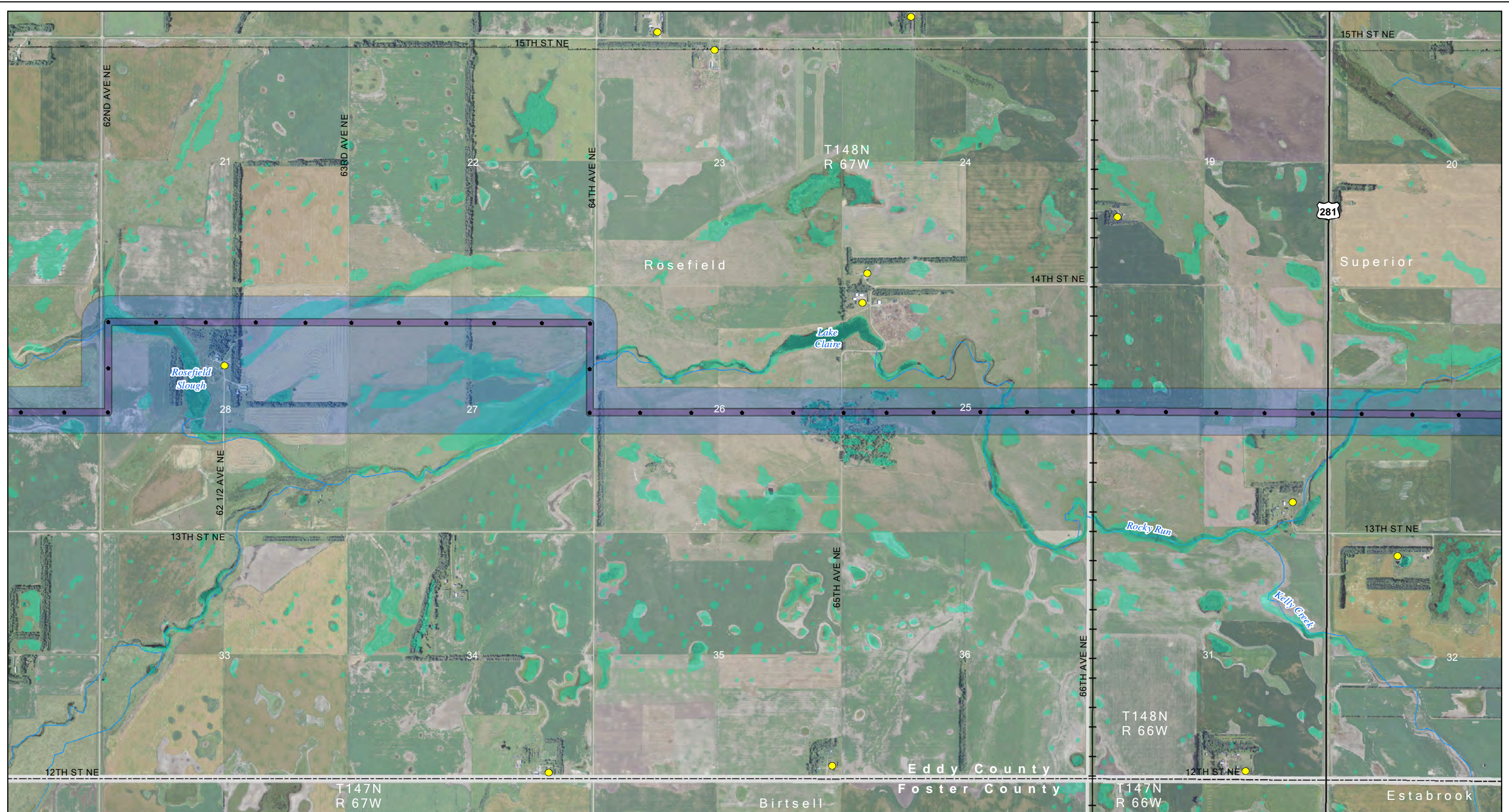
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 24 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

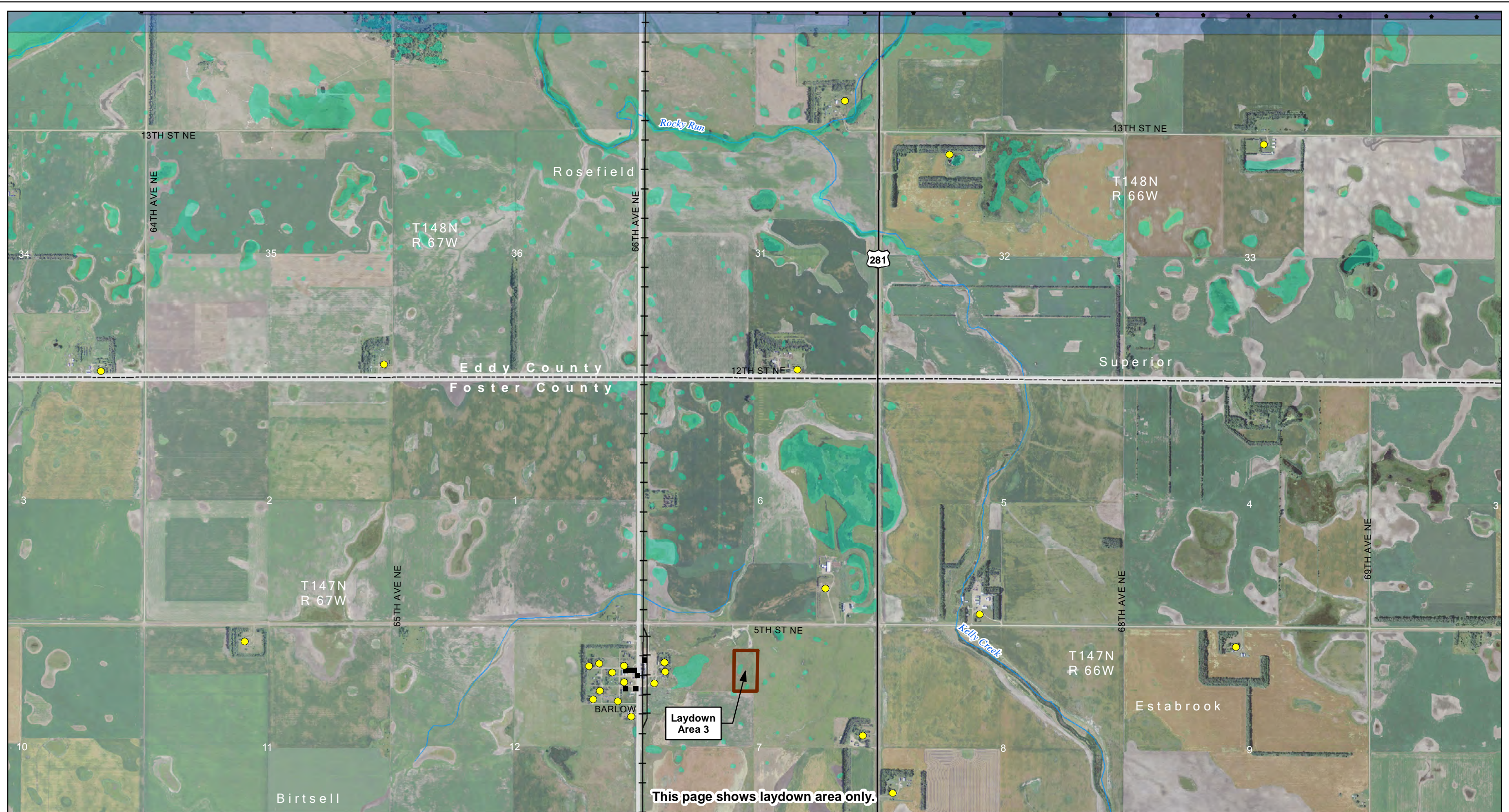
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 25 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

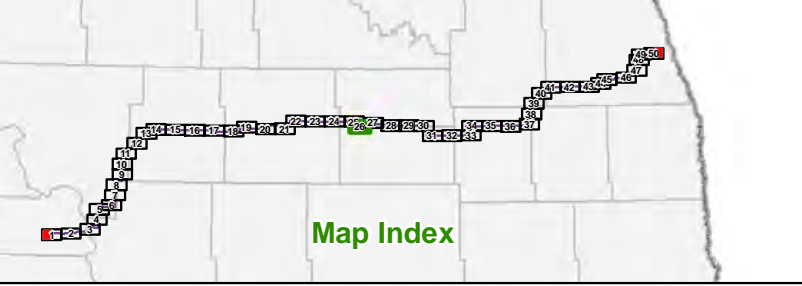
Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.



This page shows laydown area only.

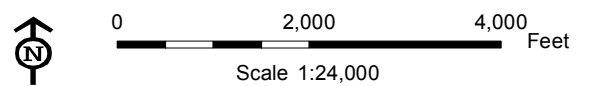
Sensitive location information has been redacted from this Figure.

- | | | | | |
|--|---|--|--|--|
| <p>Project Areas</p> <ul style="list-style-type: none"> Project ROW Proposed Structure Proposed Modified Corridor - November 18, 2011 Project Substation Laydown Area Fiber Optic Regeneration Station | <p>Exclusion Areas</p> <ul style="list-style-type: none"> State Park, Recreation Area or Nature Preserve Piping Plover Critical Habitat | <p>Avoidance Areas</p> <ul style="list-style-type: none"> Occupiable Home within 500 ft of Transmission Facility Not Occupiable Home within 500 ft of Transmission Facility Occupiable Home beyond 500 ft of Transmission Facility | <ul style="list-style-type: none"> School Business Irrigated Land USFWS NWR | <ul style="list-style-type: none"> USFWS WPA or WDA State WMA USBOR Land - McClusky Canal National Trail |
|--|---|--|--|--|

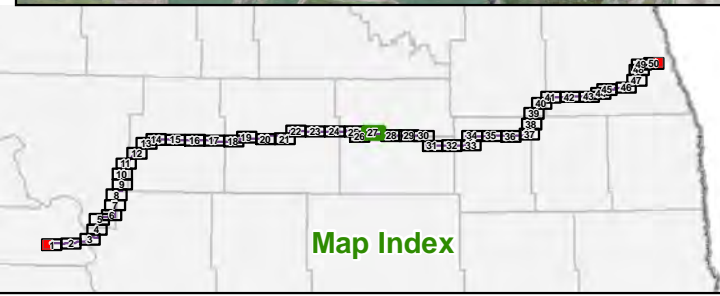
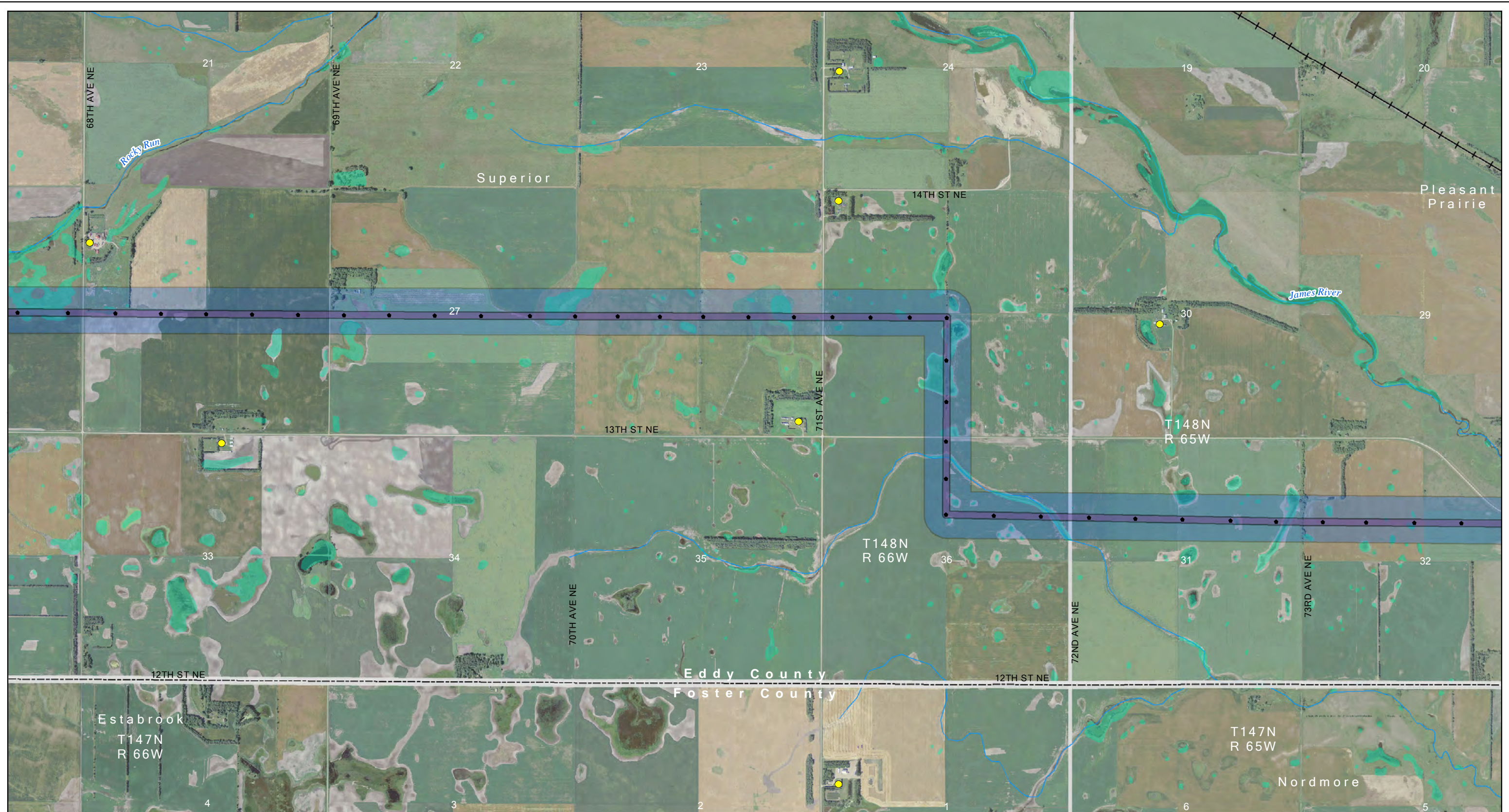


Map Index

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Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



Date: 11/28/2011
 Path: \\mspe-sis-fie\GIS\Projects\Minnetonka\110900\map_docs\PS\CGI\route\map_CGFRPA_03_1x17L_50p_Excel\void.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

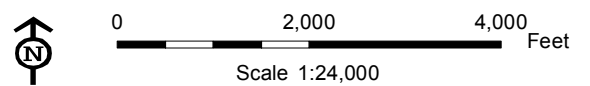
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

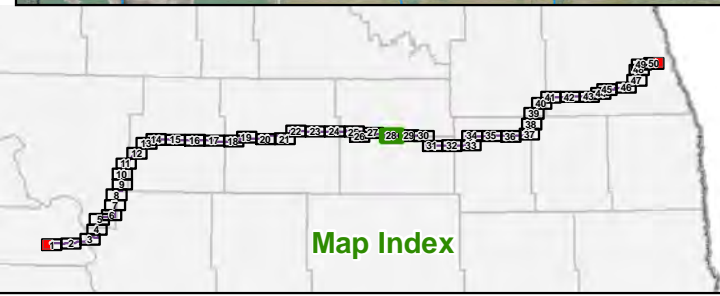
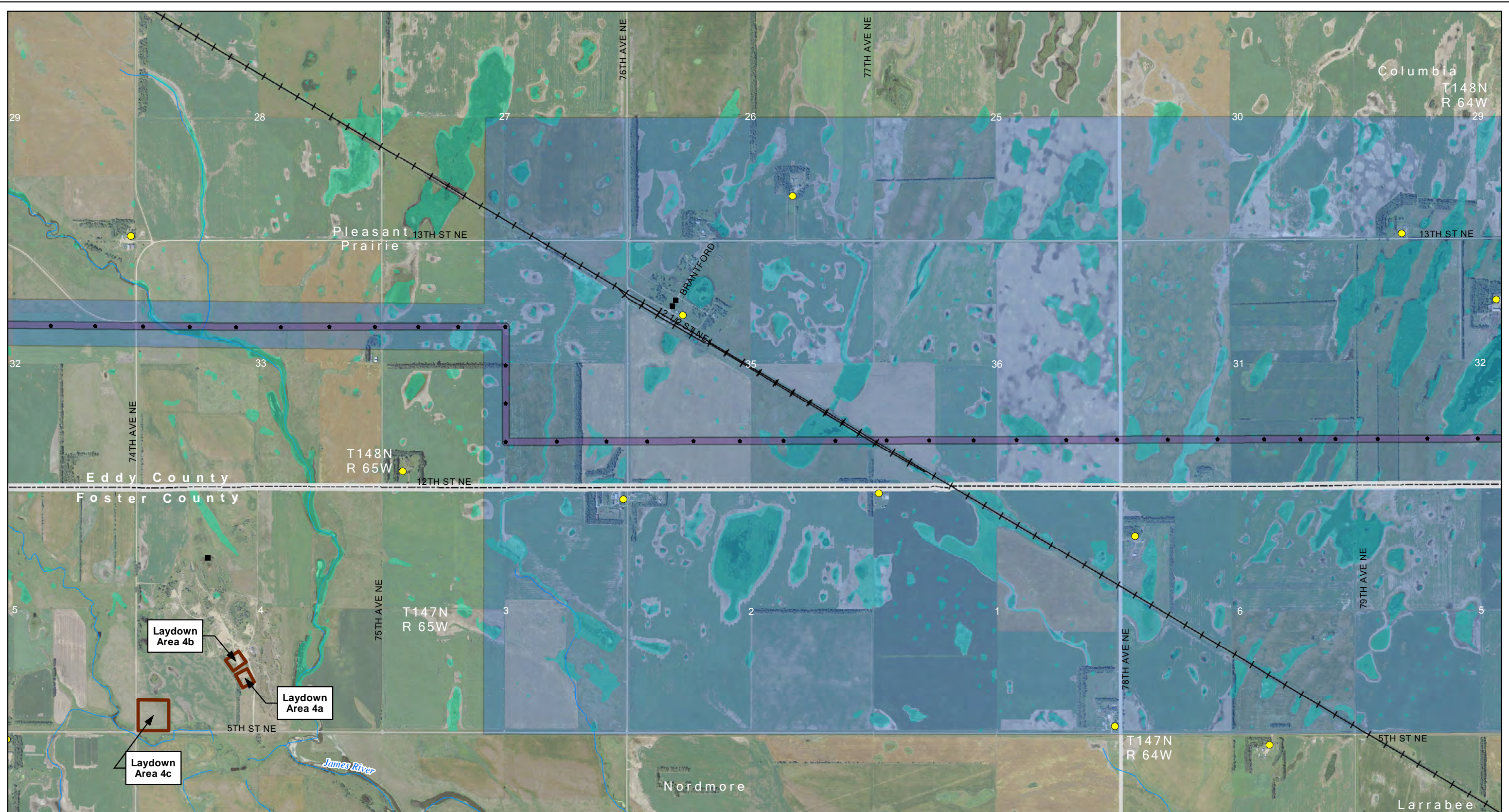
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 27 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Map Index

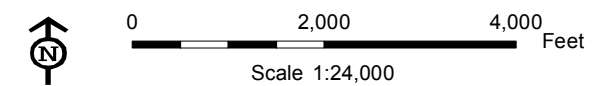
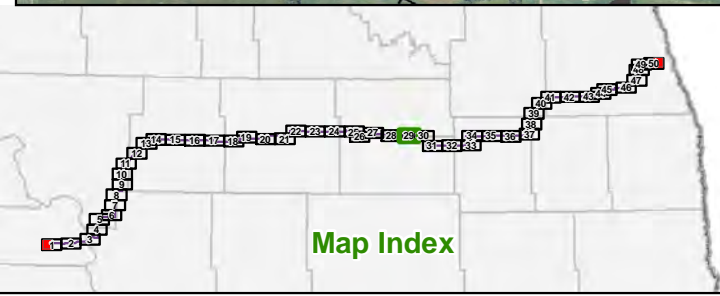
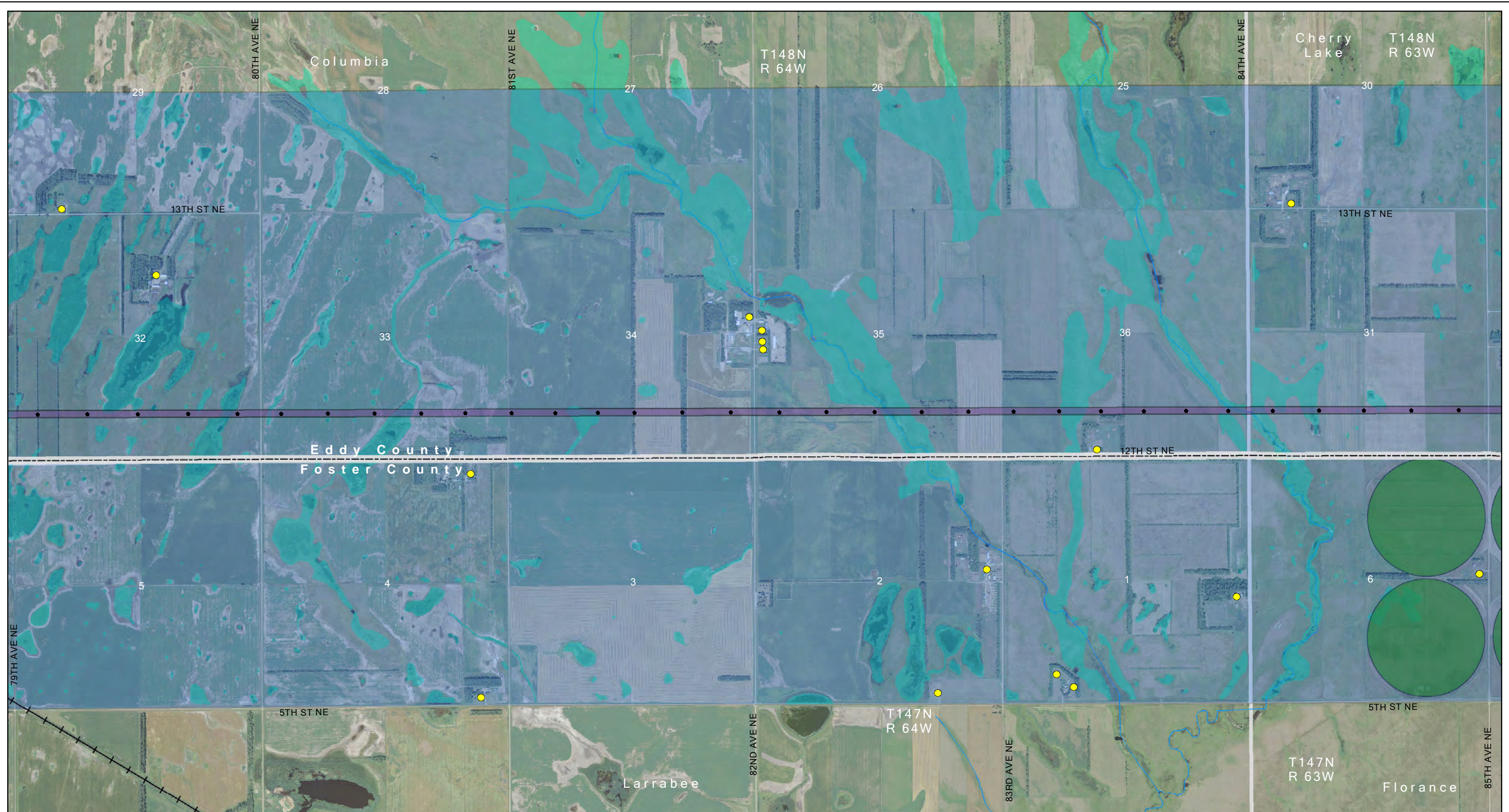


Figure 3: Page 28 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

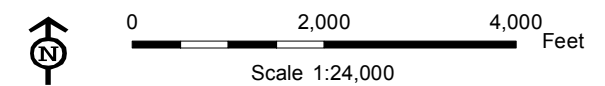
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

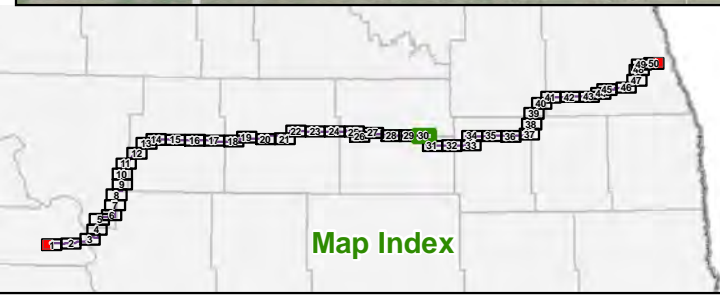
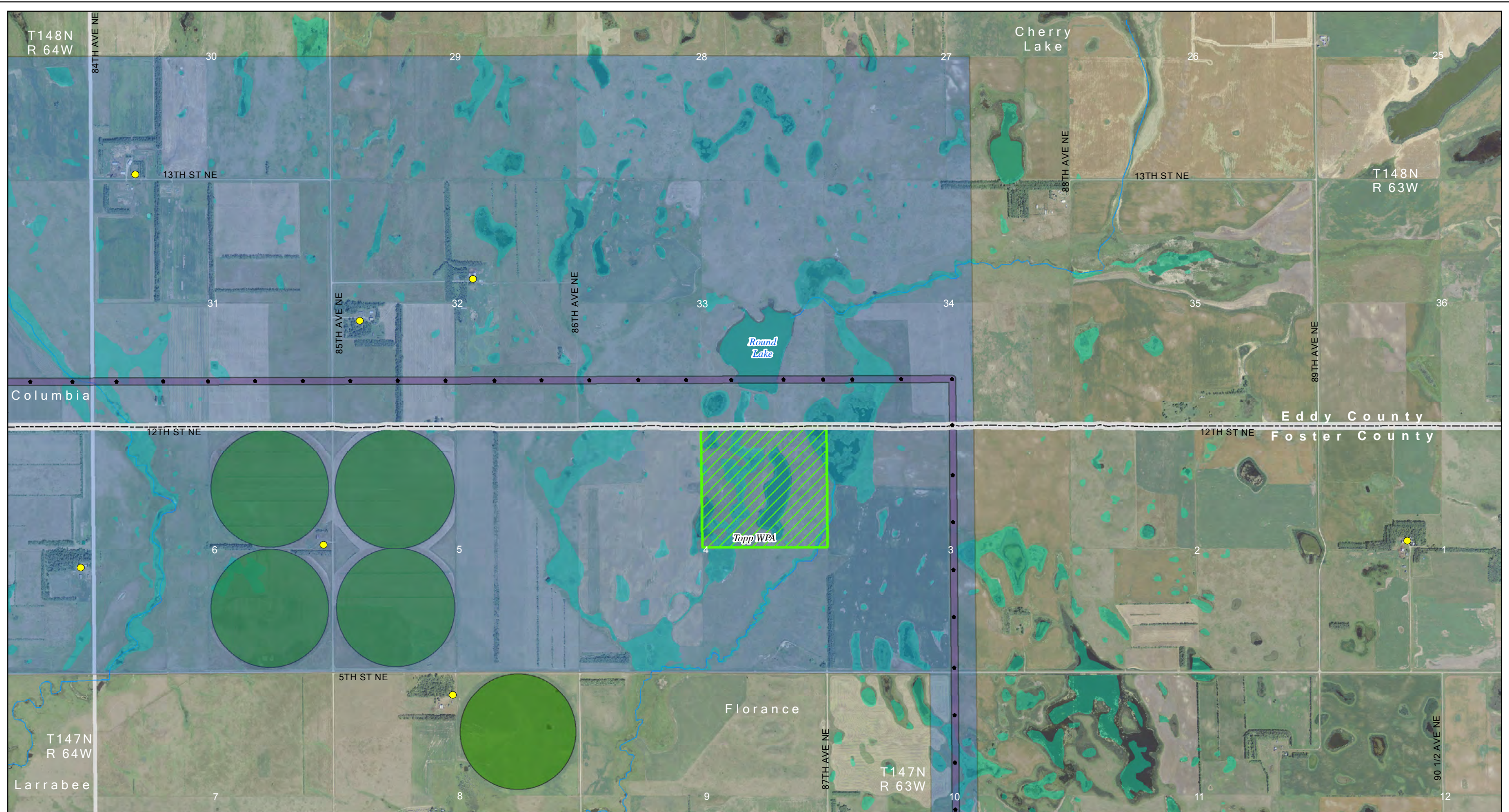
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 29 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minncota Power Cooperative, Inc.



Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

Sensitive location information has been redacted from this Figure.

- School
- Business
- Irrigated Land
- USFWS NWR

Avoidance Areas

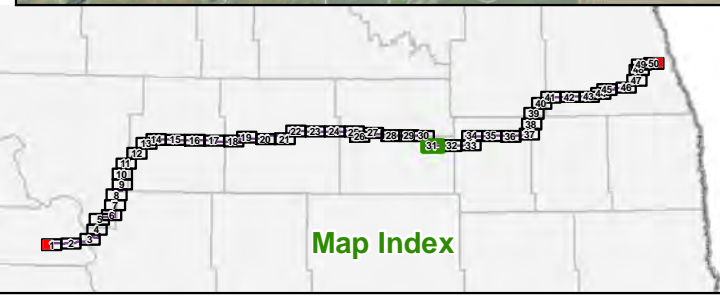
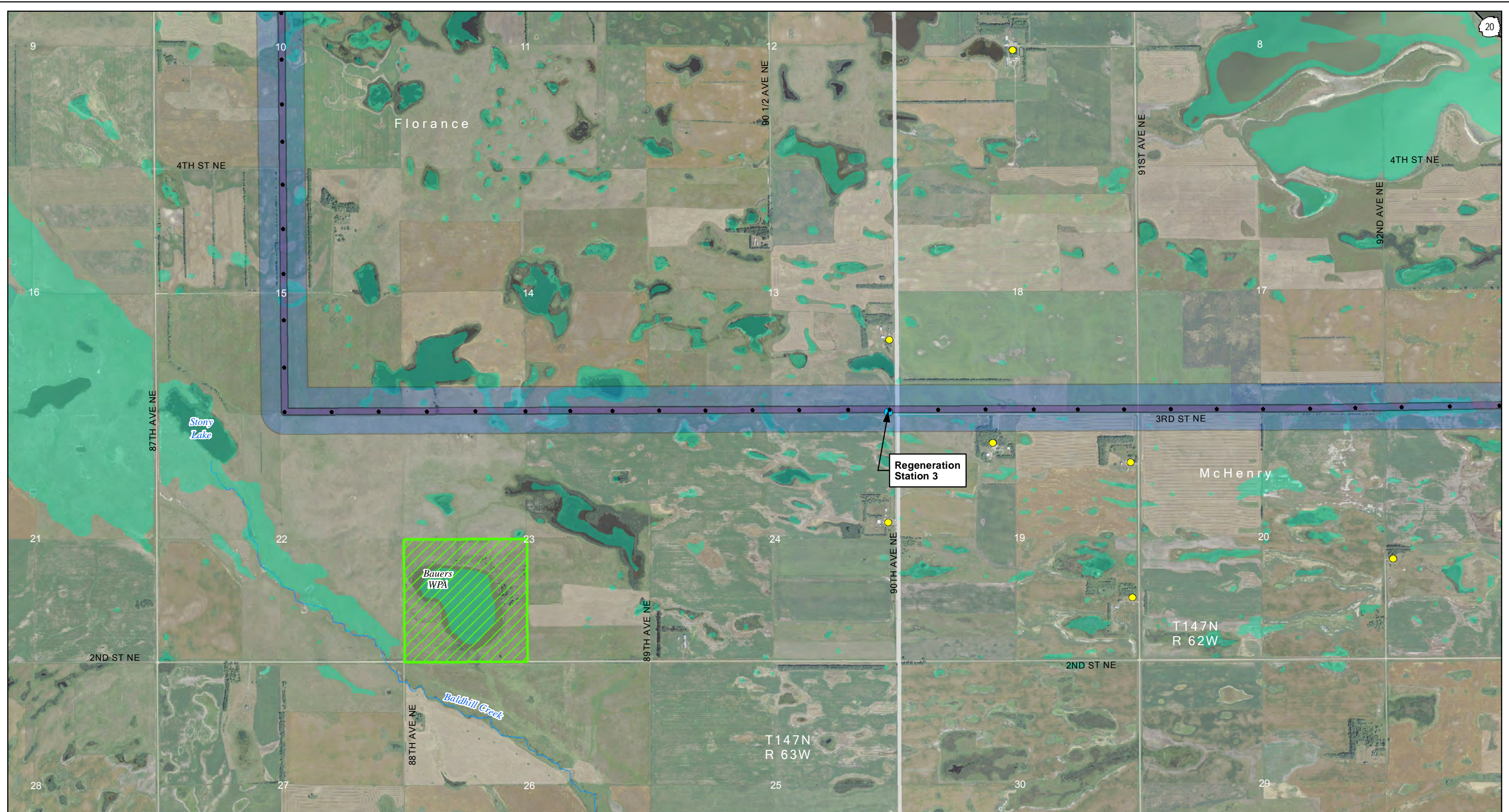
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 30 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
 Path: \\mspe-gis-file\GIS\Projects\Minnkota\110900\map_docs\PSD\RouteMap\CGFRPA_03_1x17L_50p_Excel\void.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

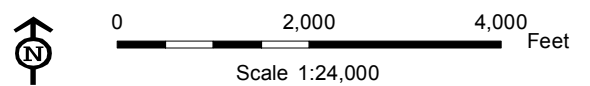
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

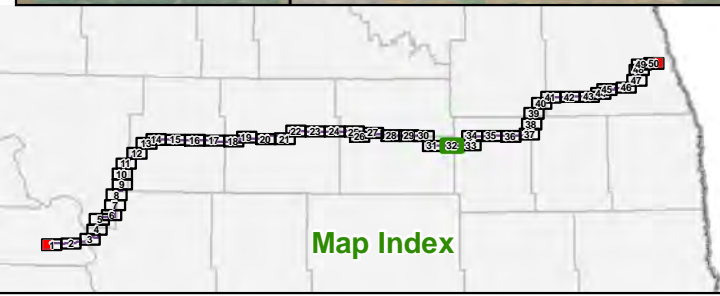
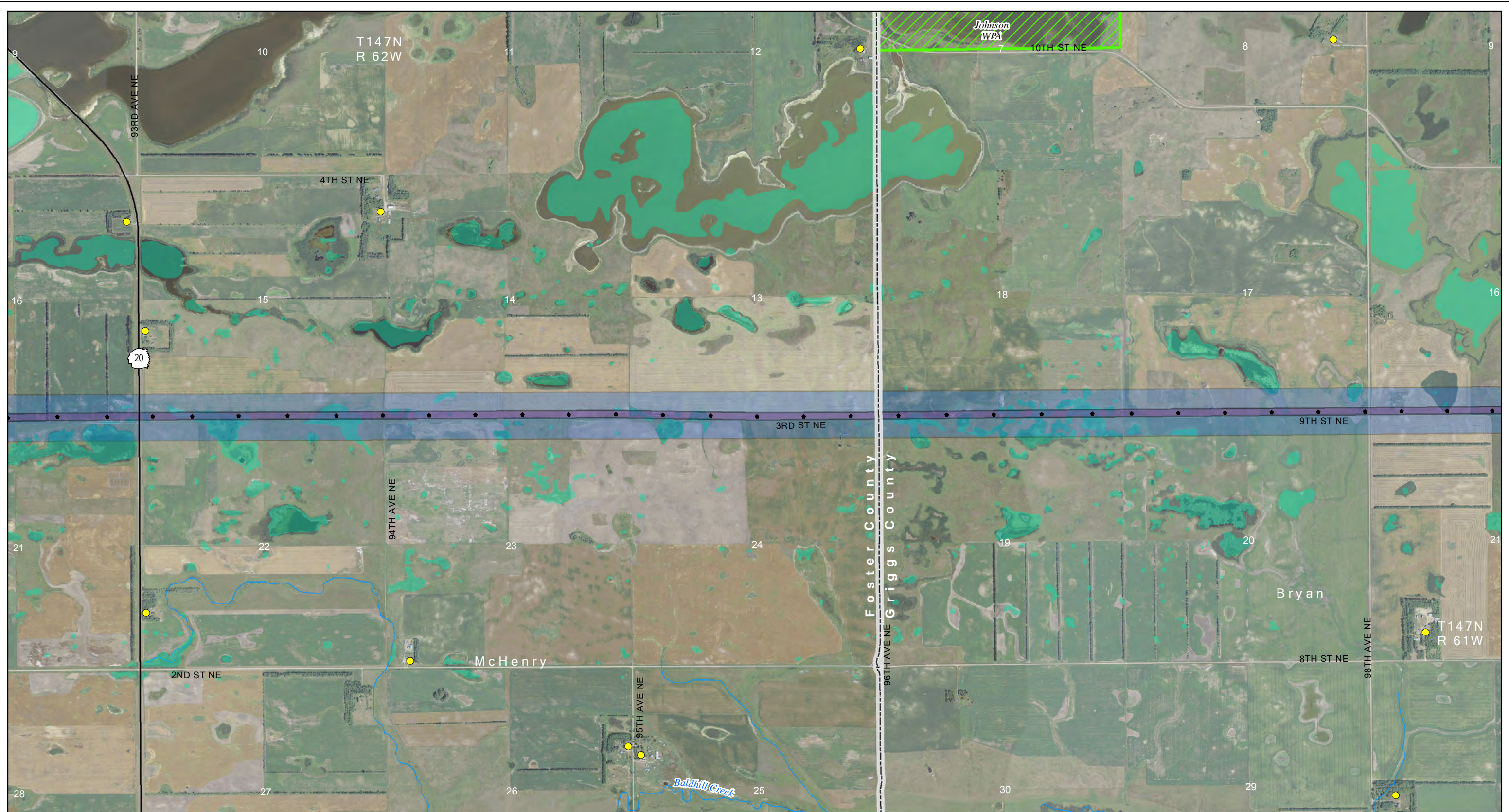
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 31 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

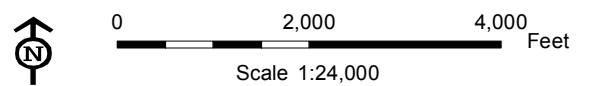
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

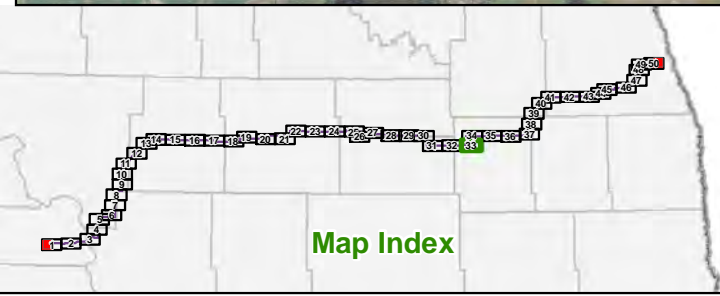
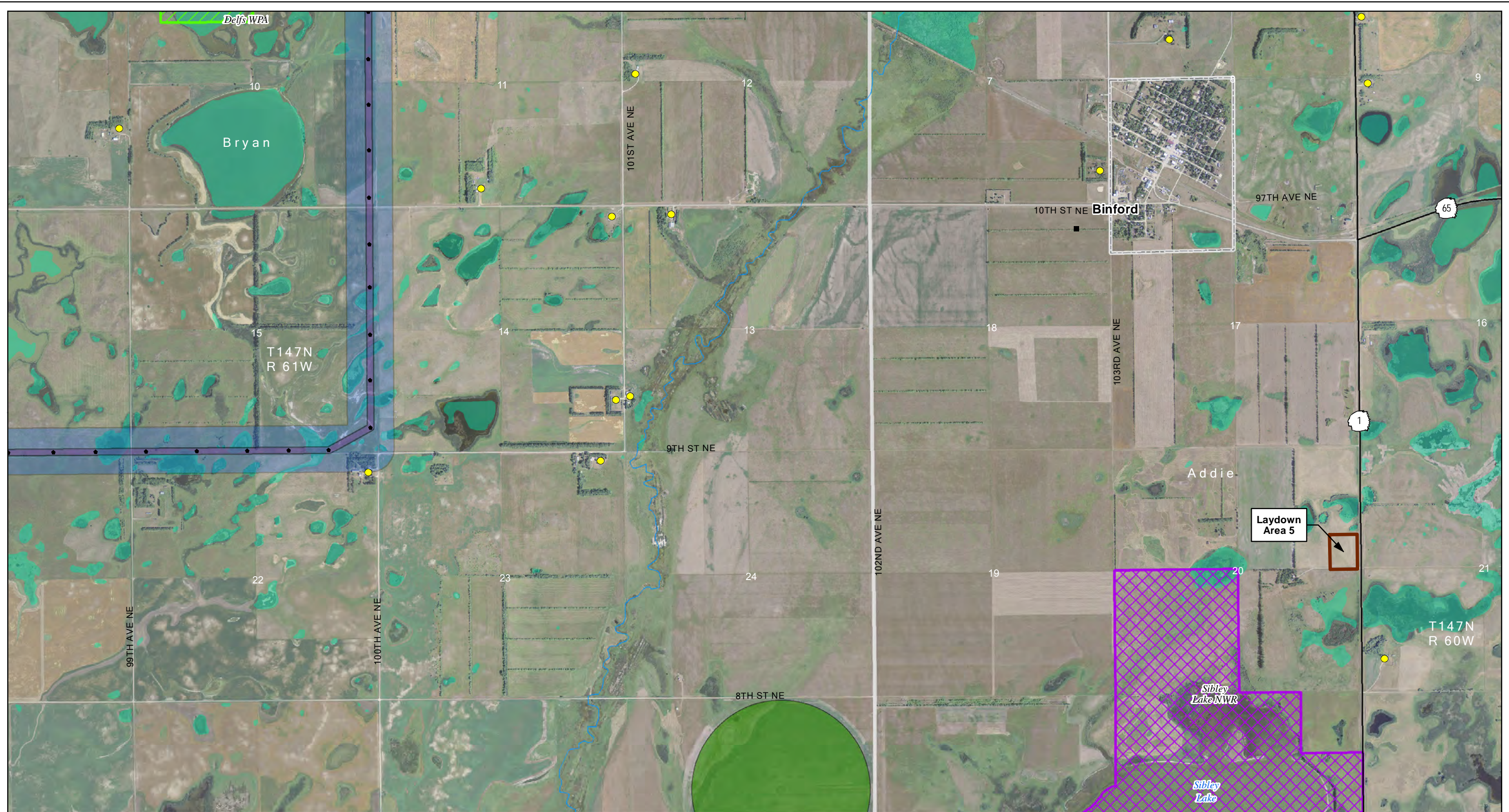
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 32 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

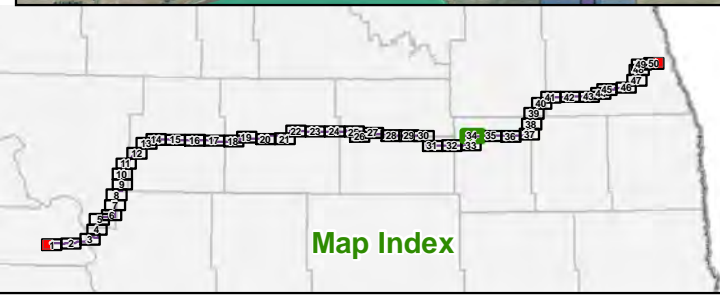
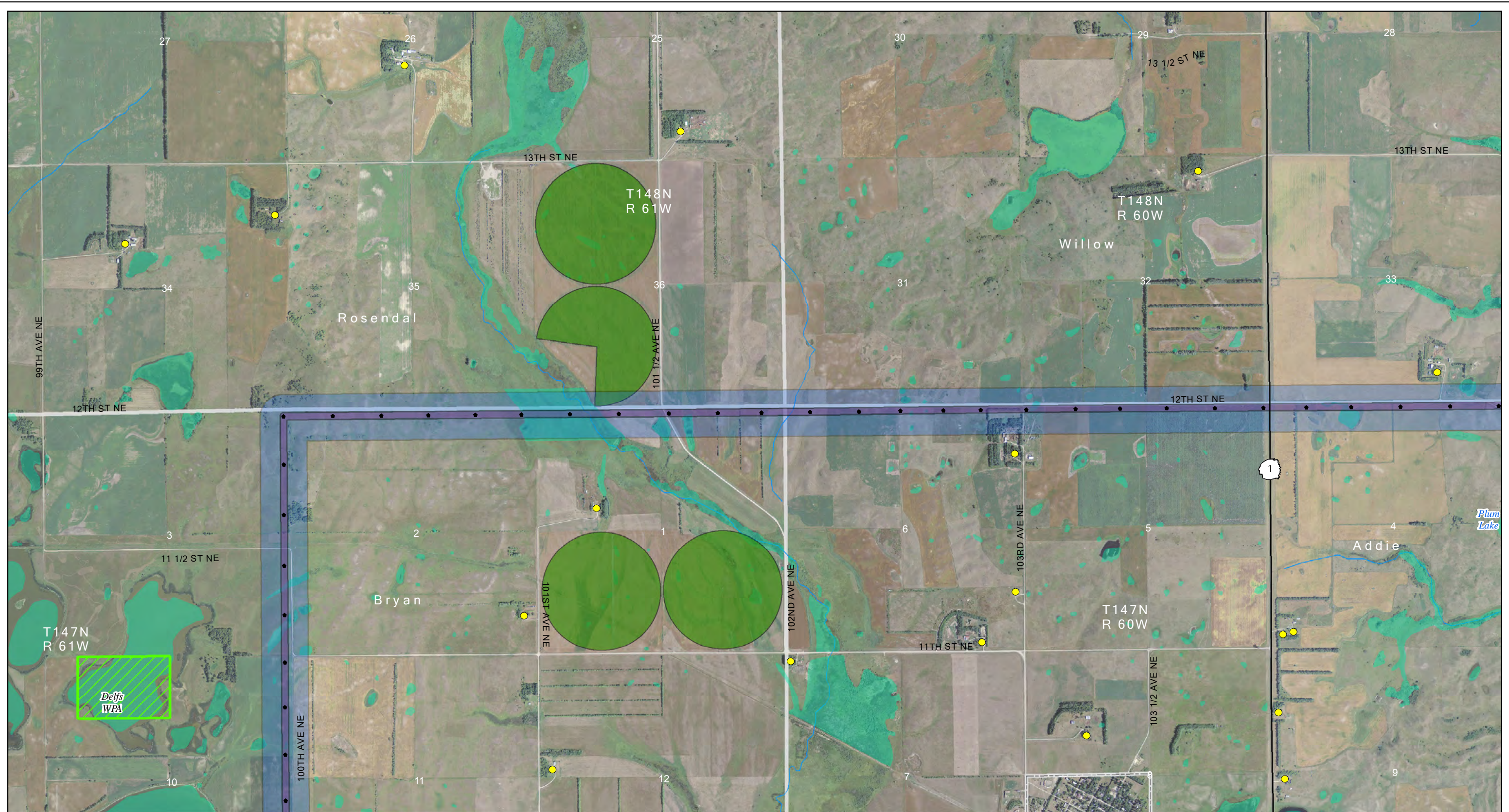
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 33 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Date: 11/28/2011
 Path: \\mspe-sis-file\GIS\Projects\Minnkota\110900\map_docs\PS\CG\route\map\CGFRPA_03_11x17L_50p_Excel\void.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

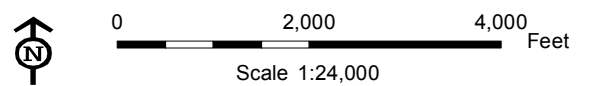
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

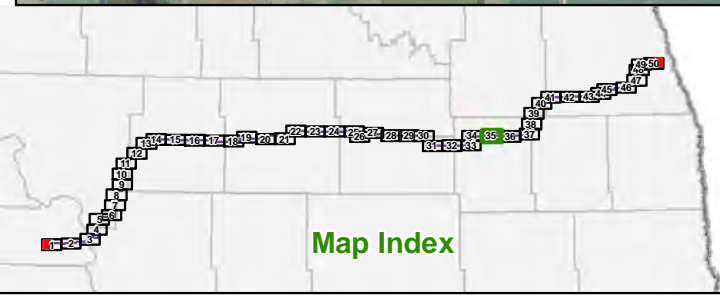
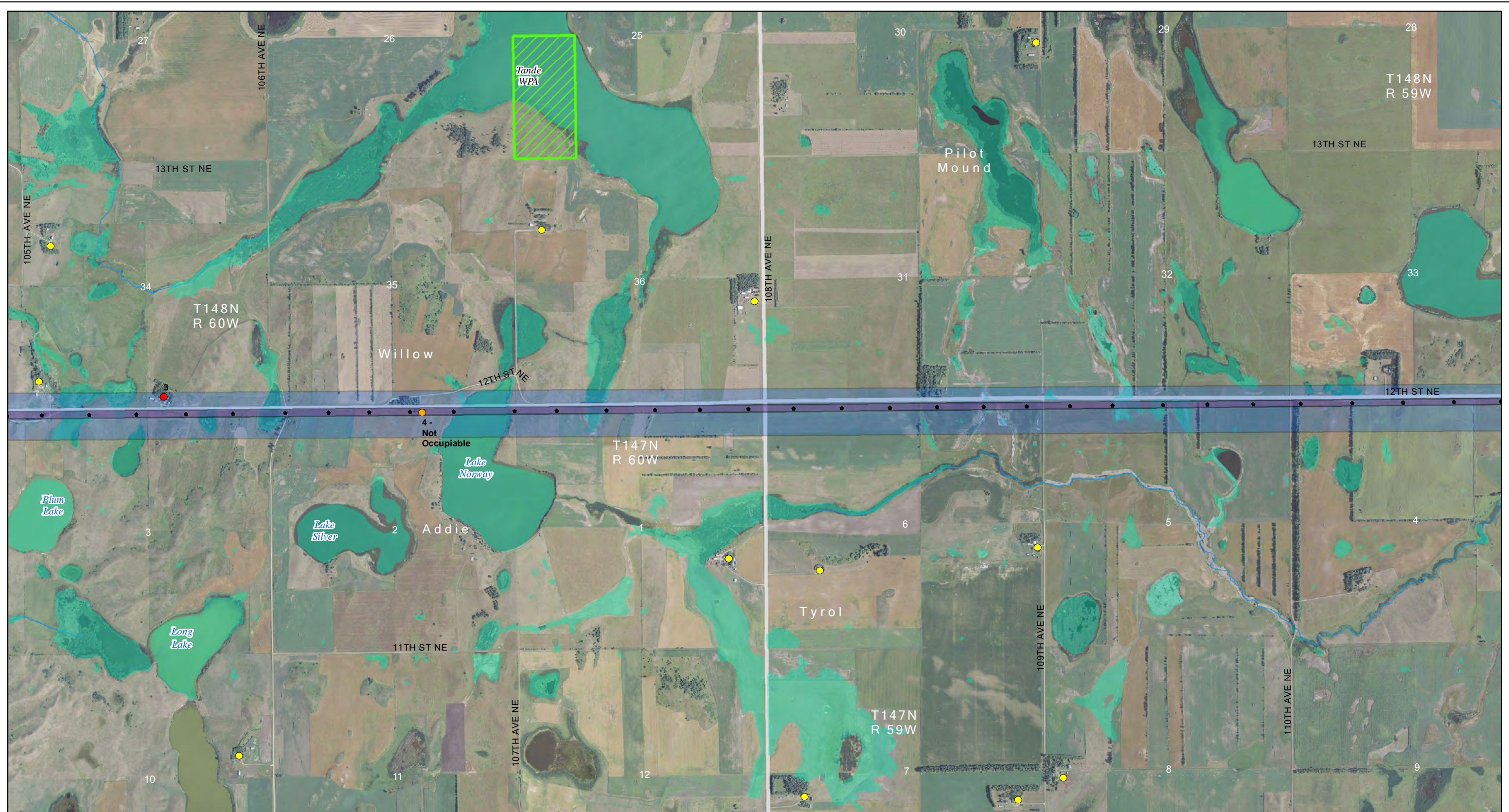
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 34 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

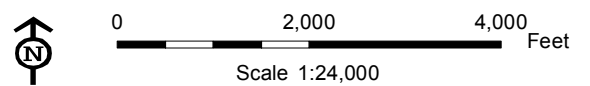
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

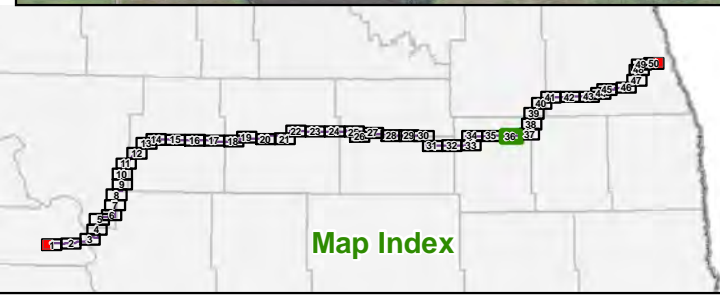
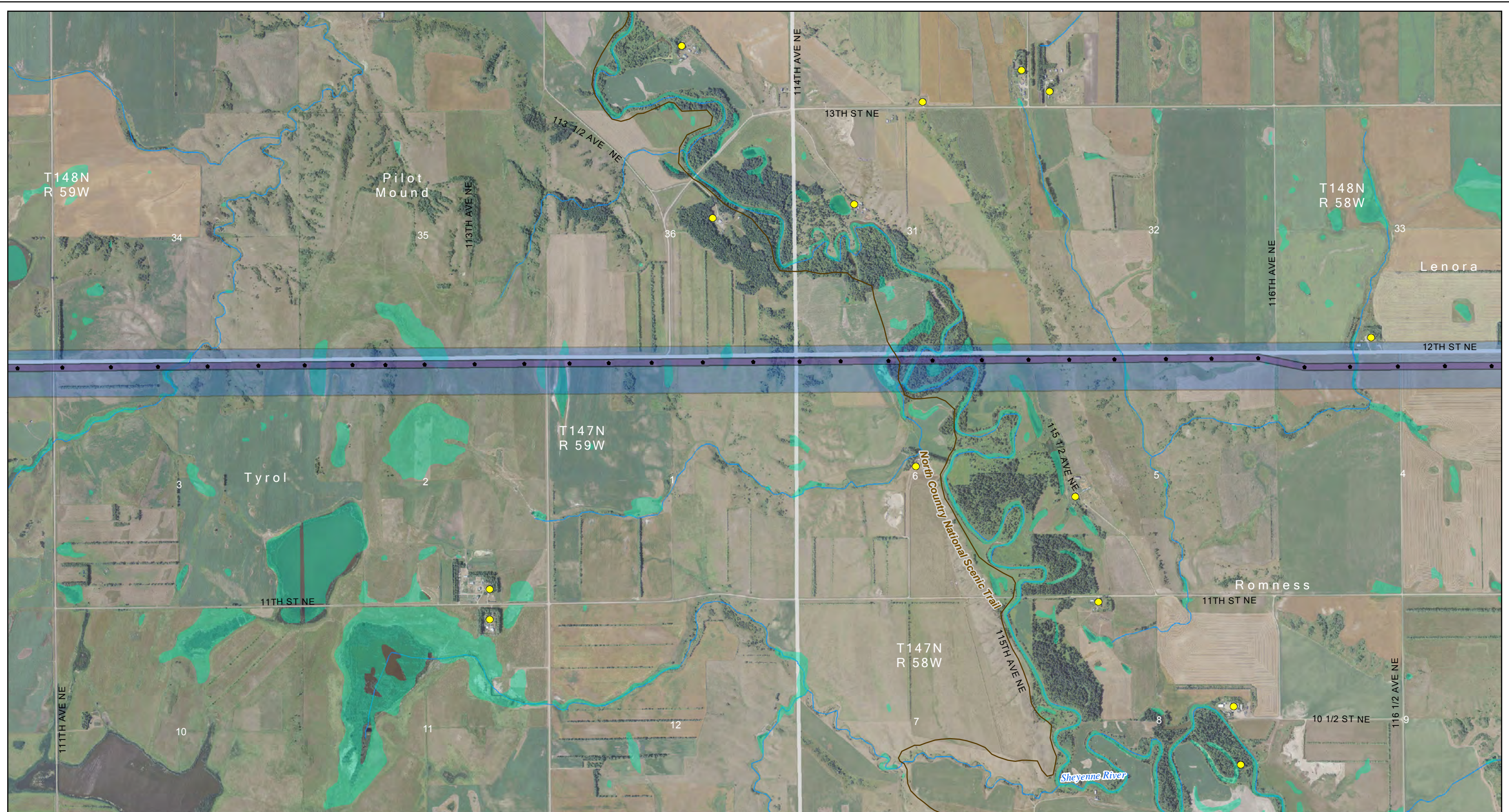
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 35 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor – November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

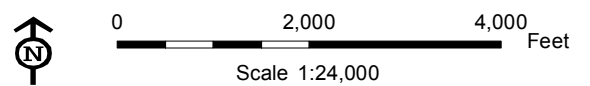
Sensitive location information has been redacted from this Figure.

- School
- Business
- Irrigated Land
- USFWS NWR

Other Features

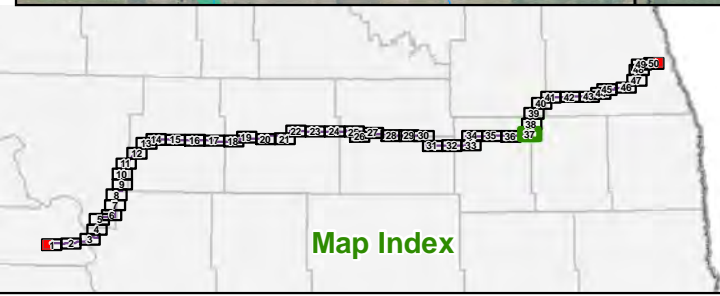
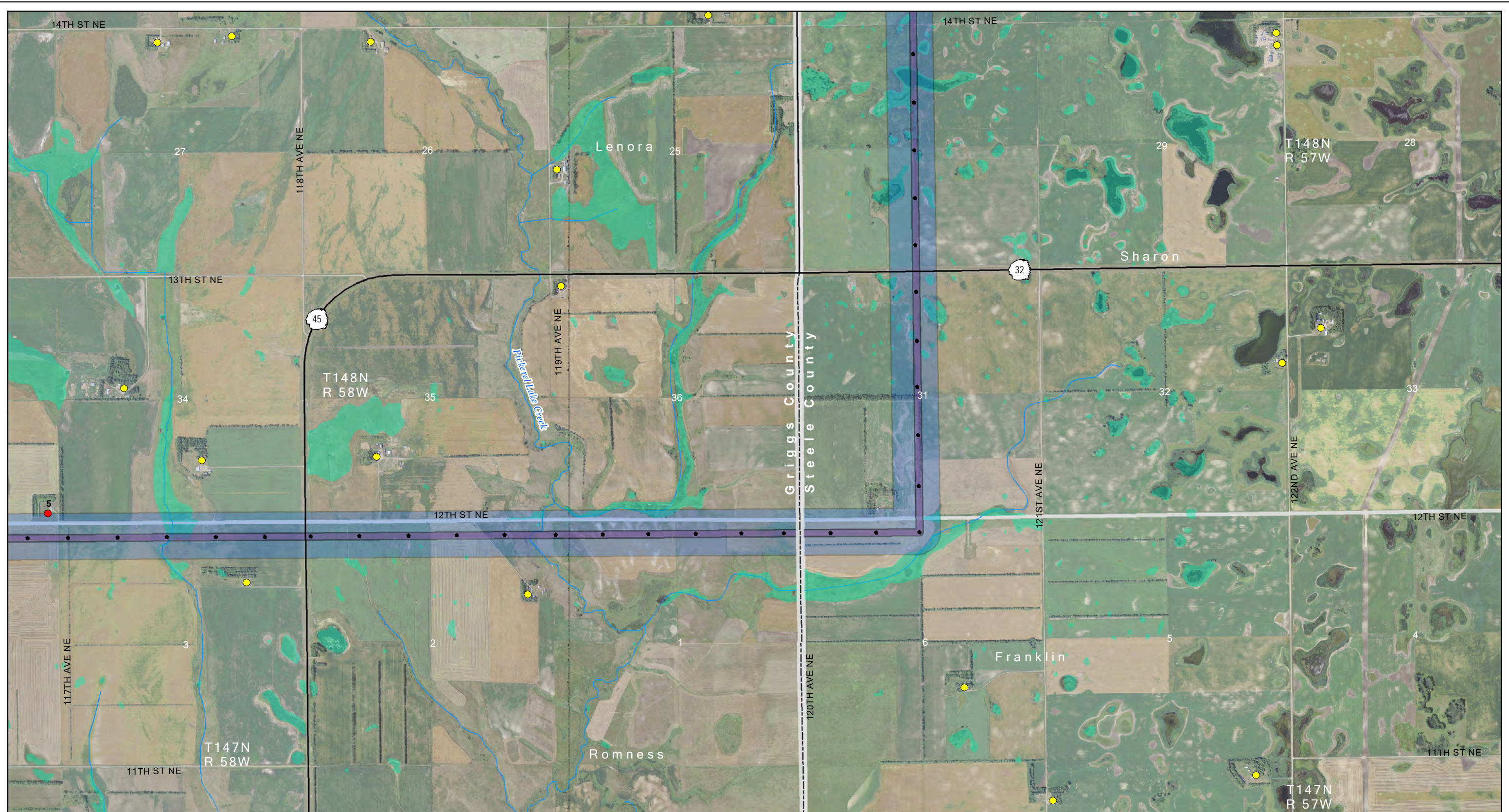
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 36 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

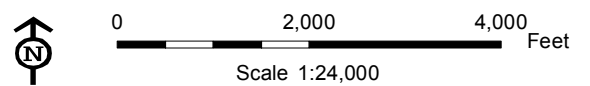
Avoidance Areas

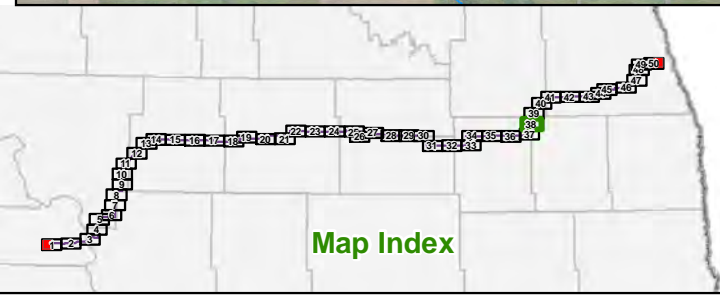
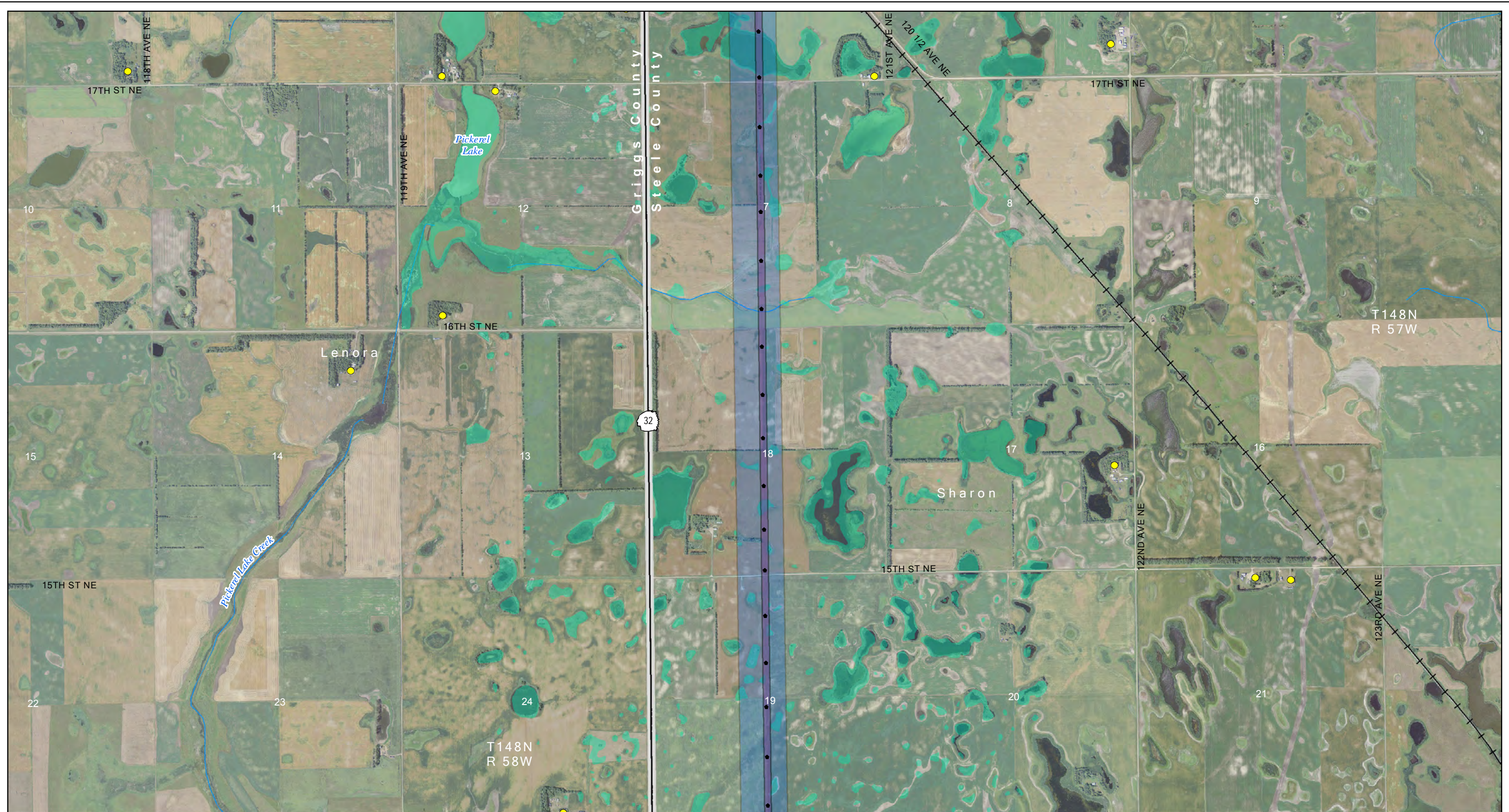
- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 37 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.





Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

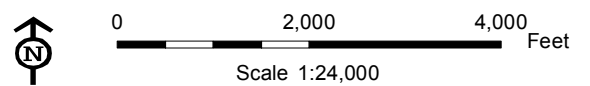
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

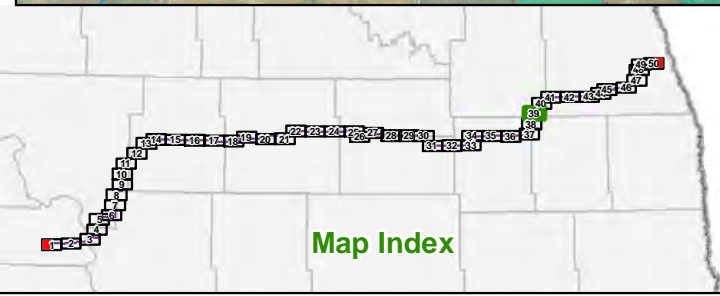
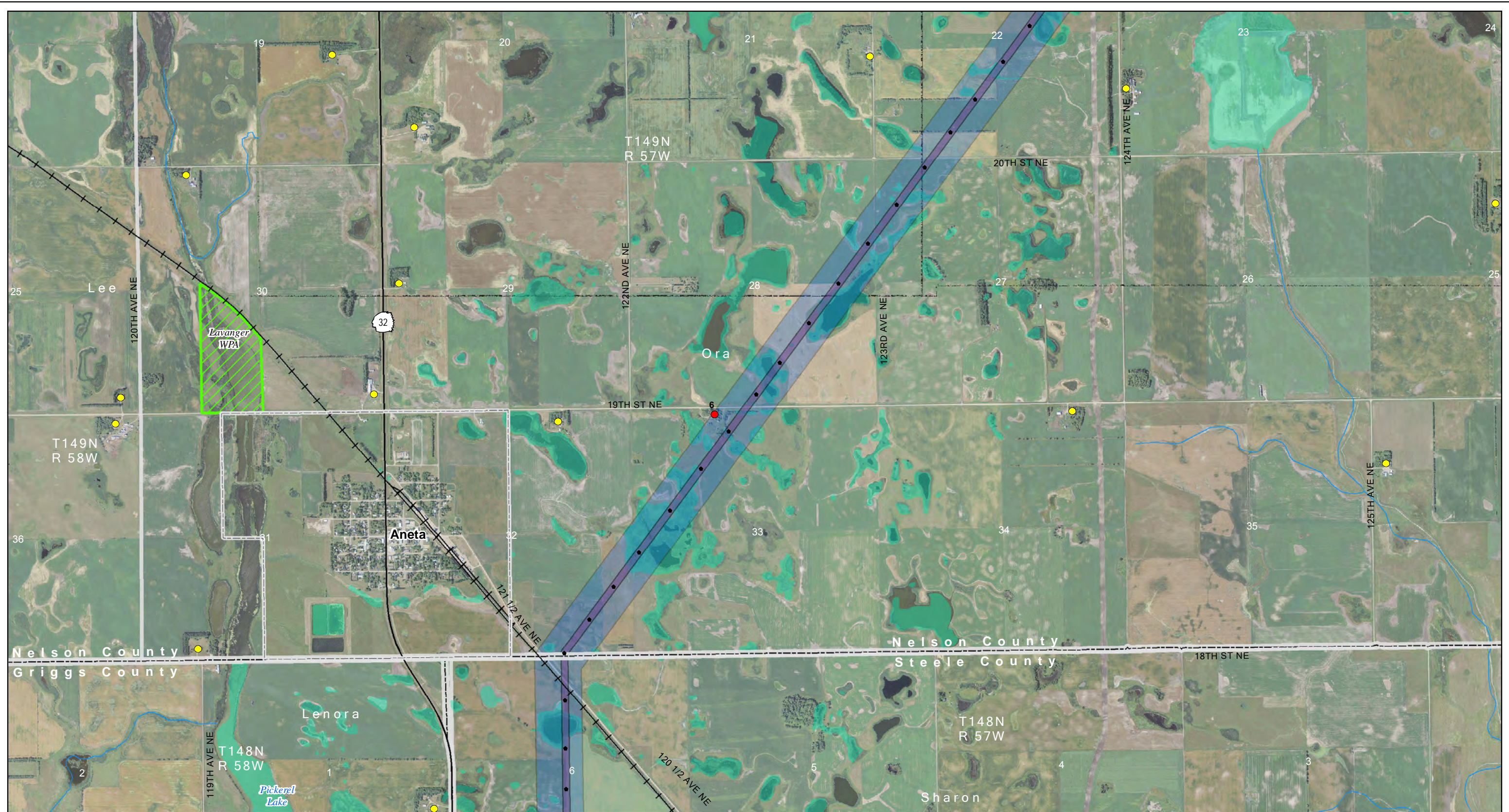
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 38 of 50
Route Exclusion and Avoidance Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

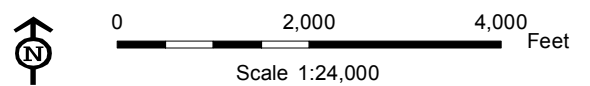
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

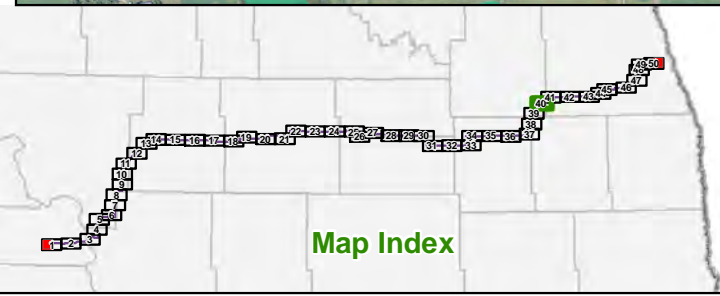
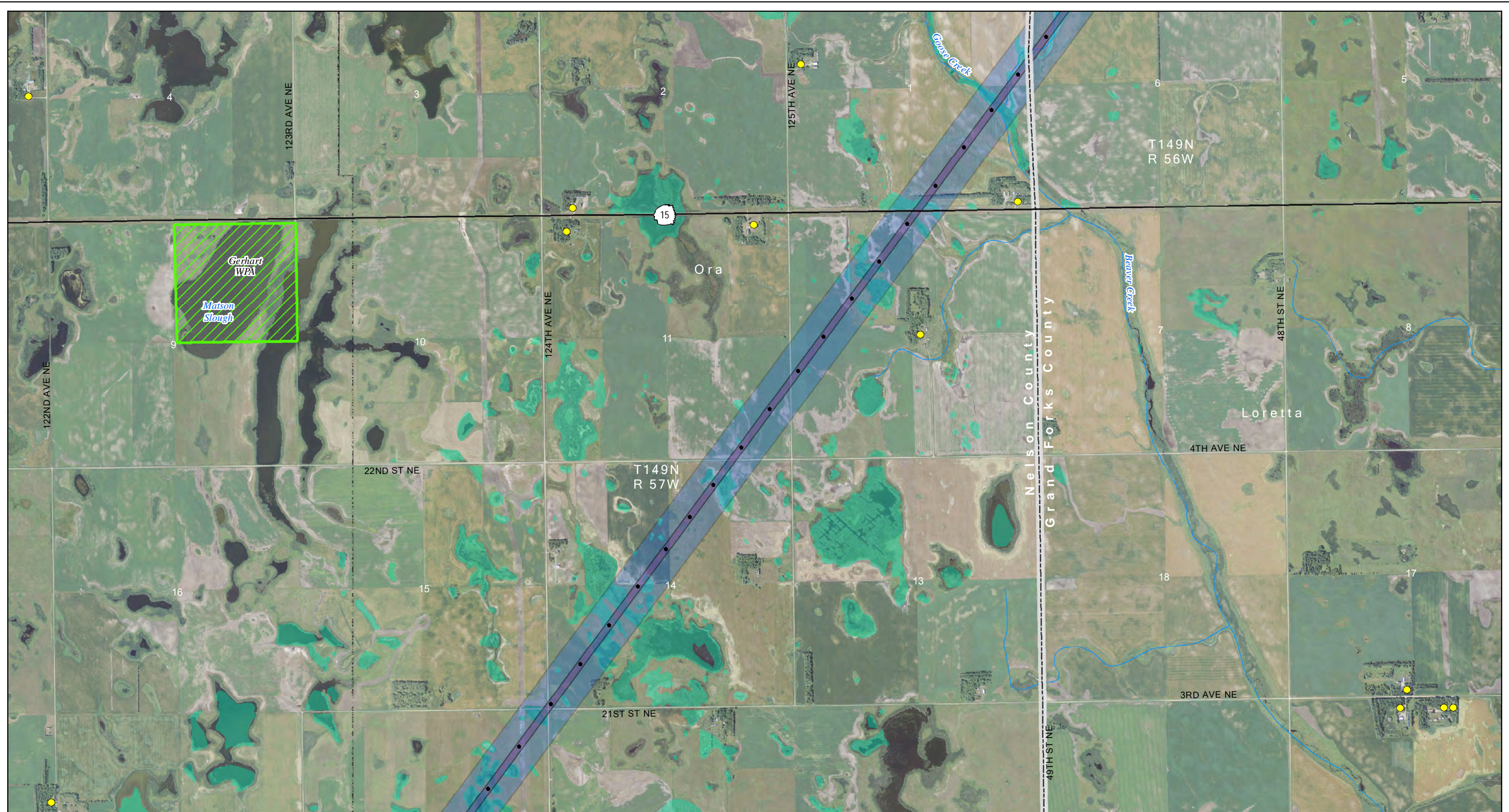
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 39 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

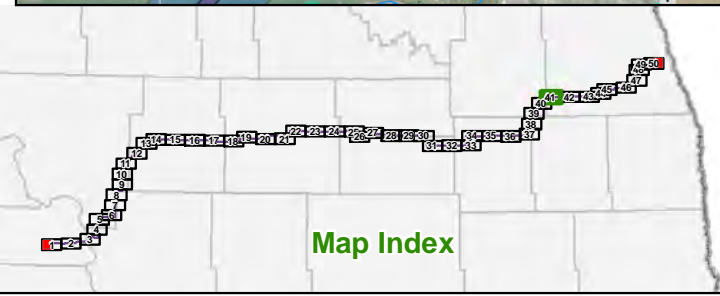
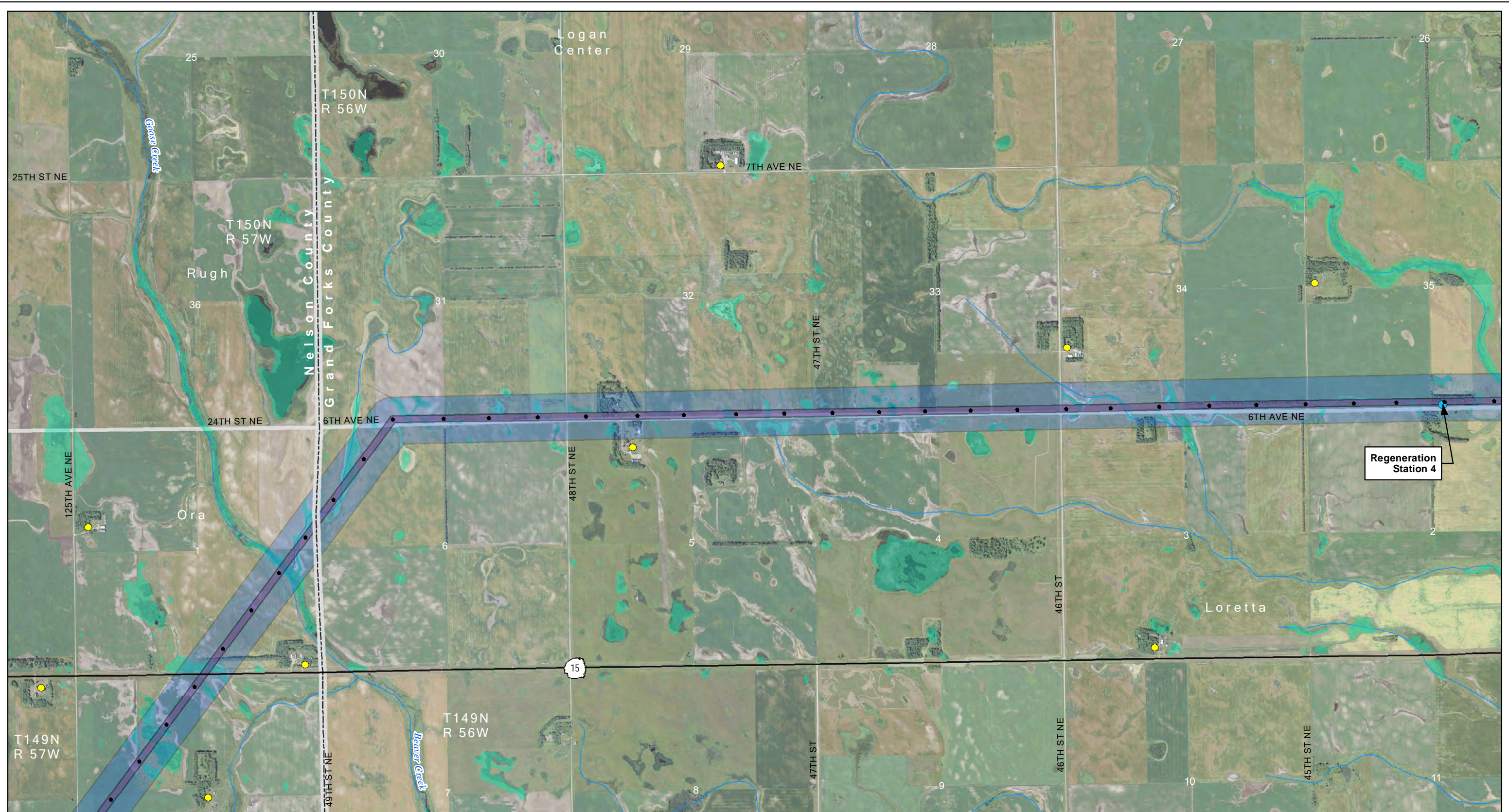
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 40 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

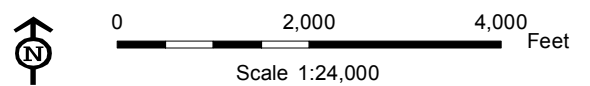
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

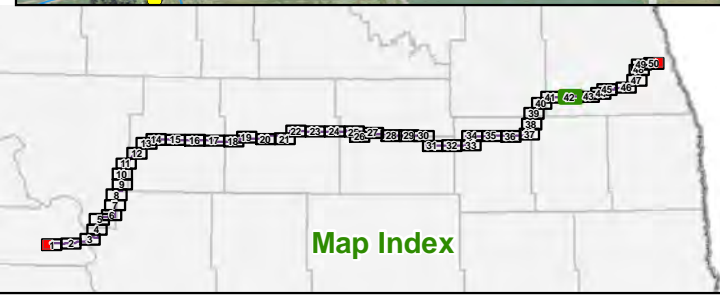
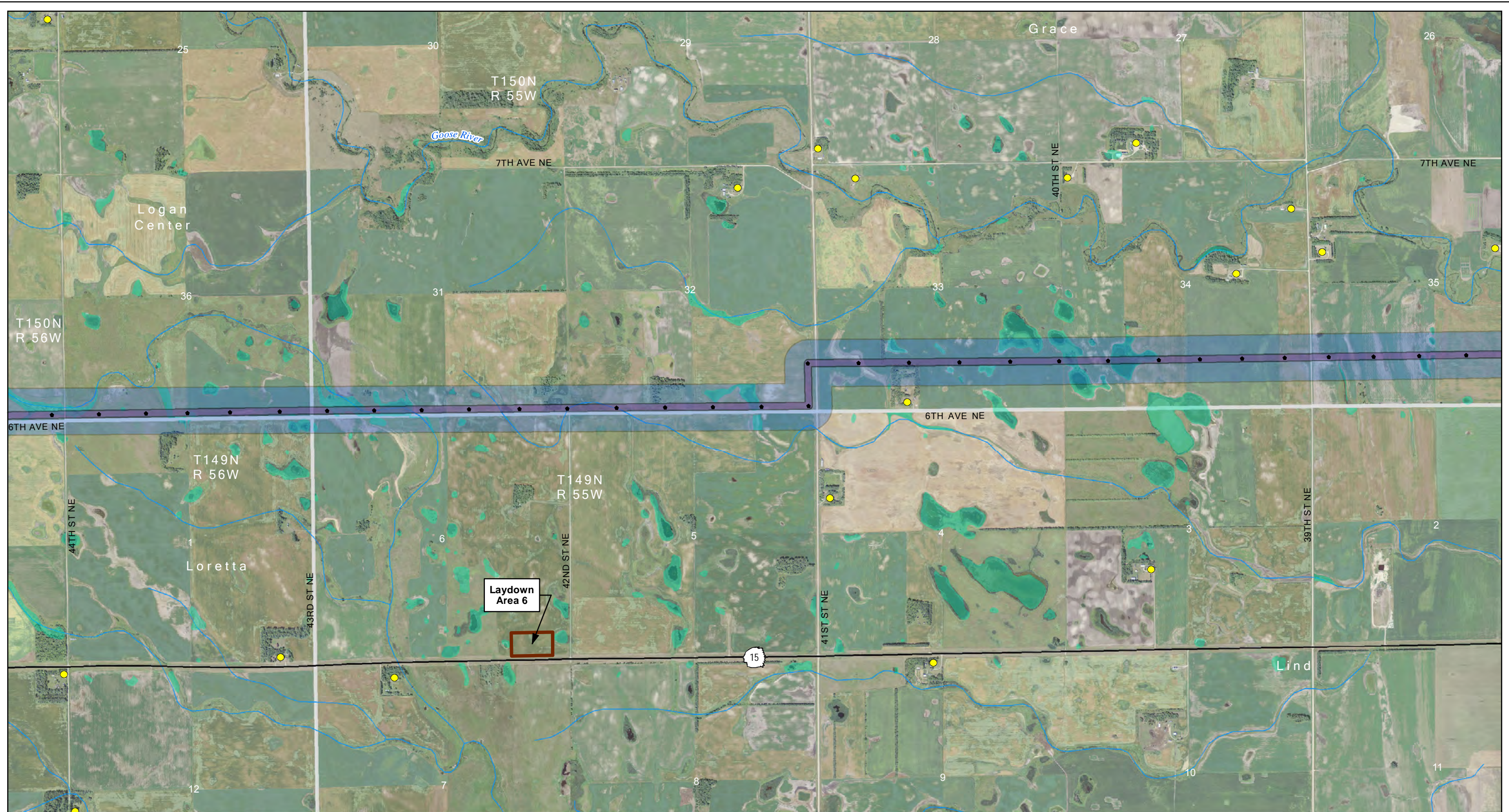
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 41 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

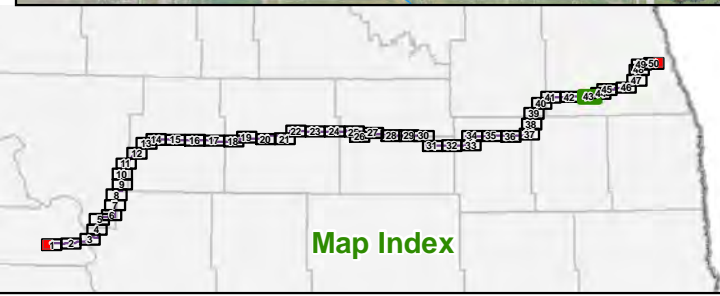
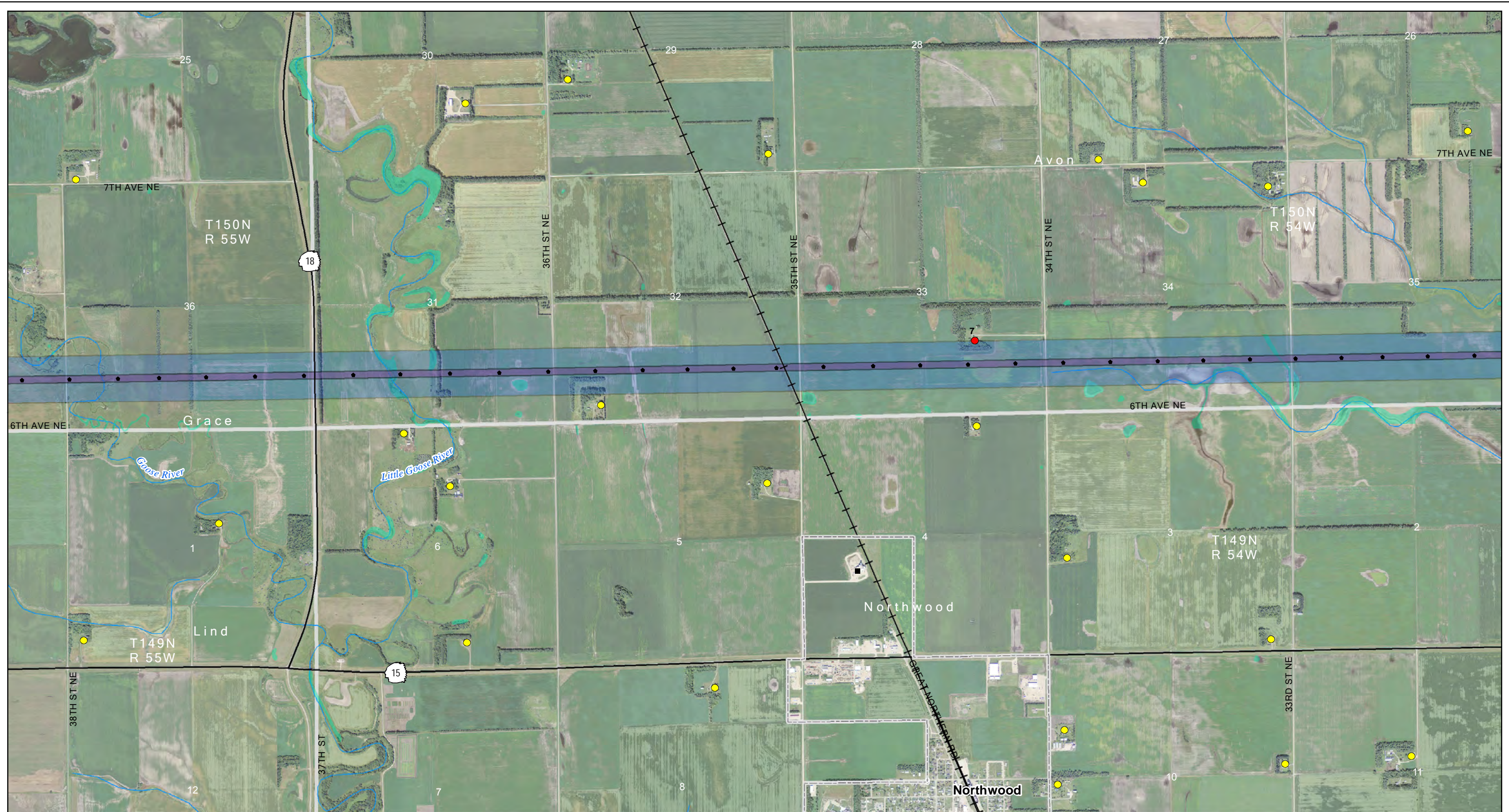
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 42 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

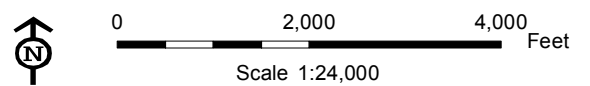
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

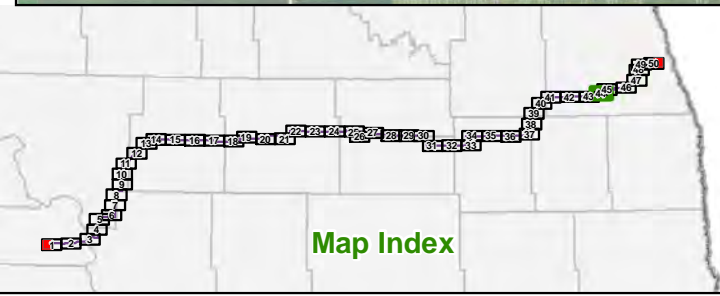
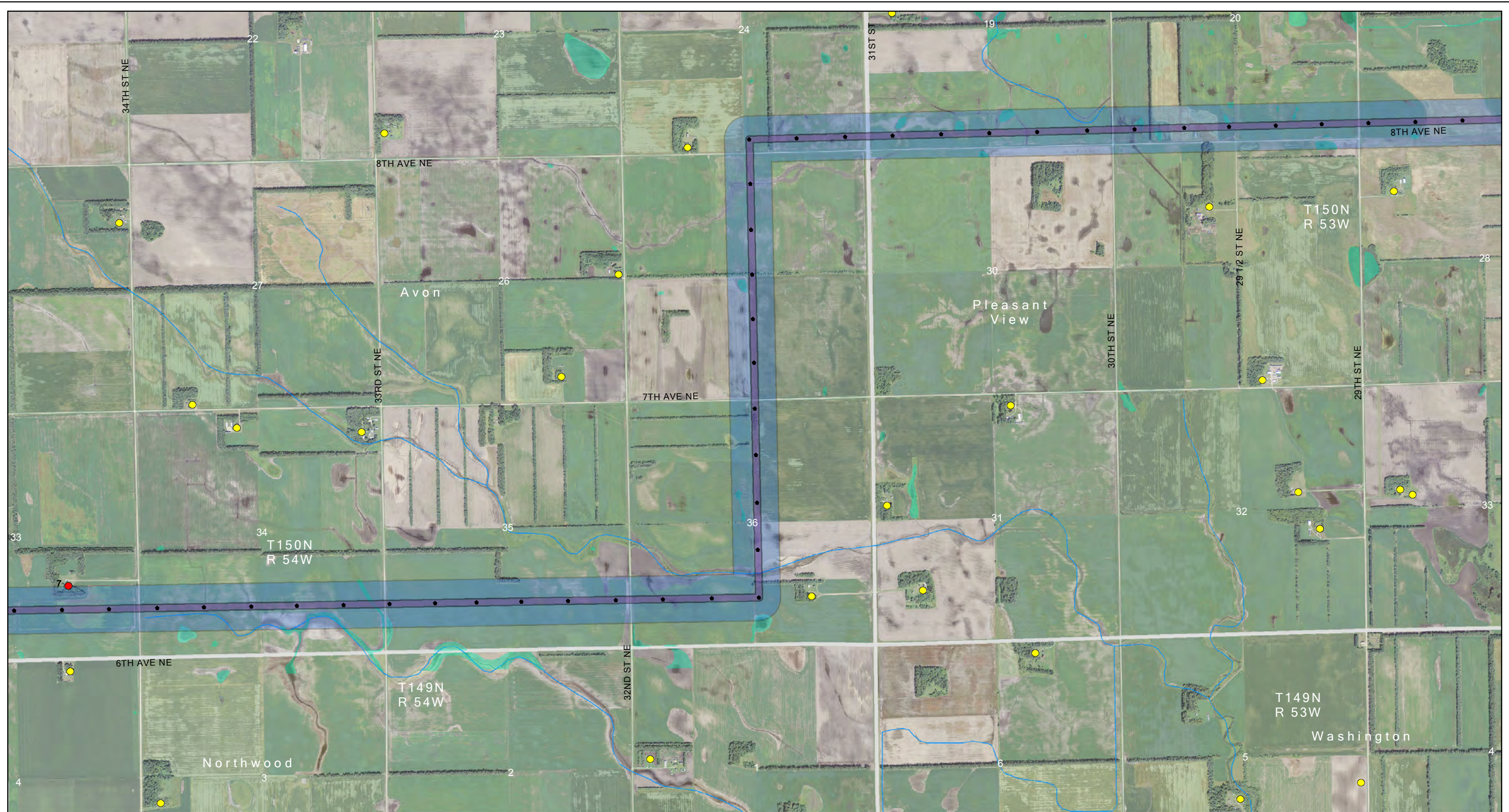
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 43 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.



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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

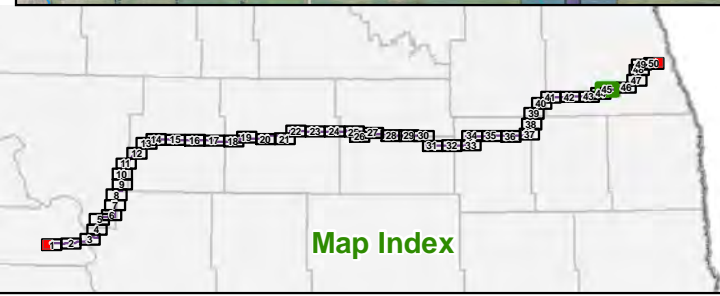
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 44 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.



Map Index

Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

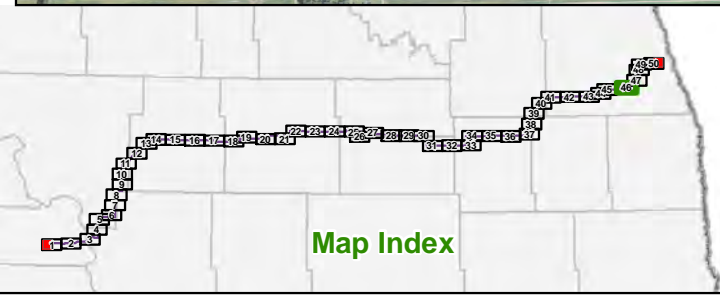
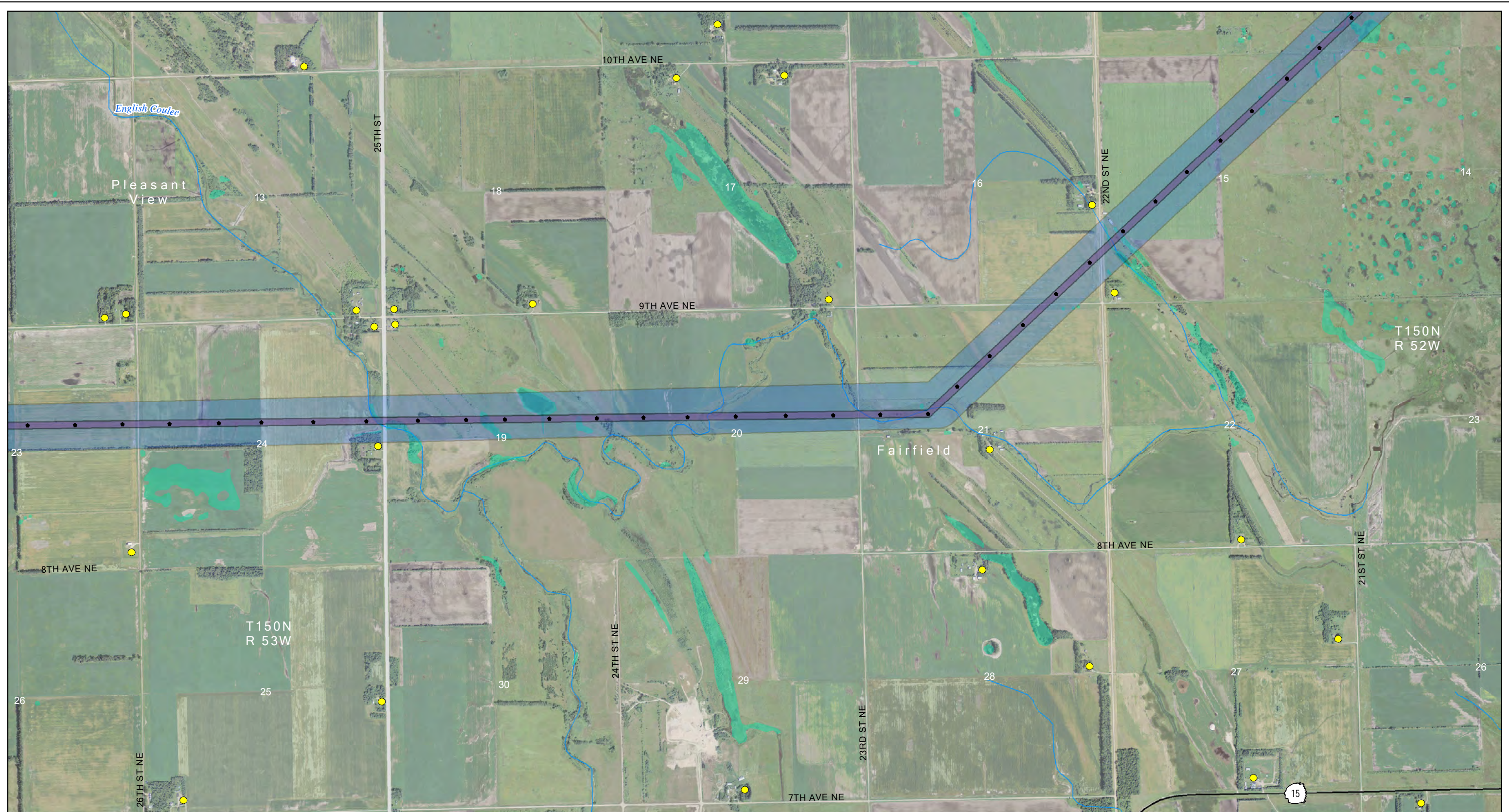
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 45 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Date: 11/28/2011
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Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

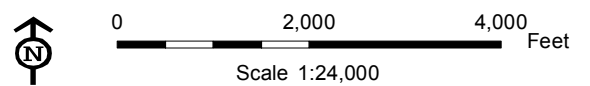
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

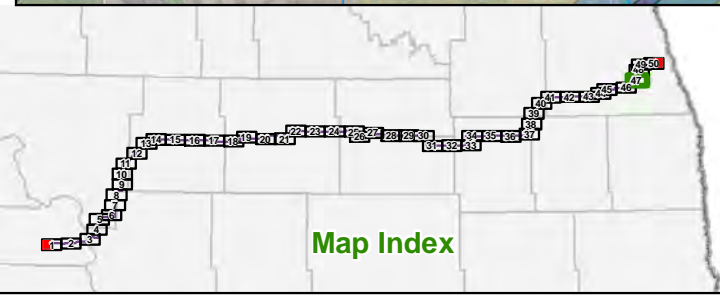
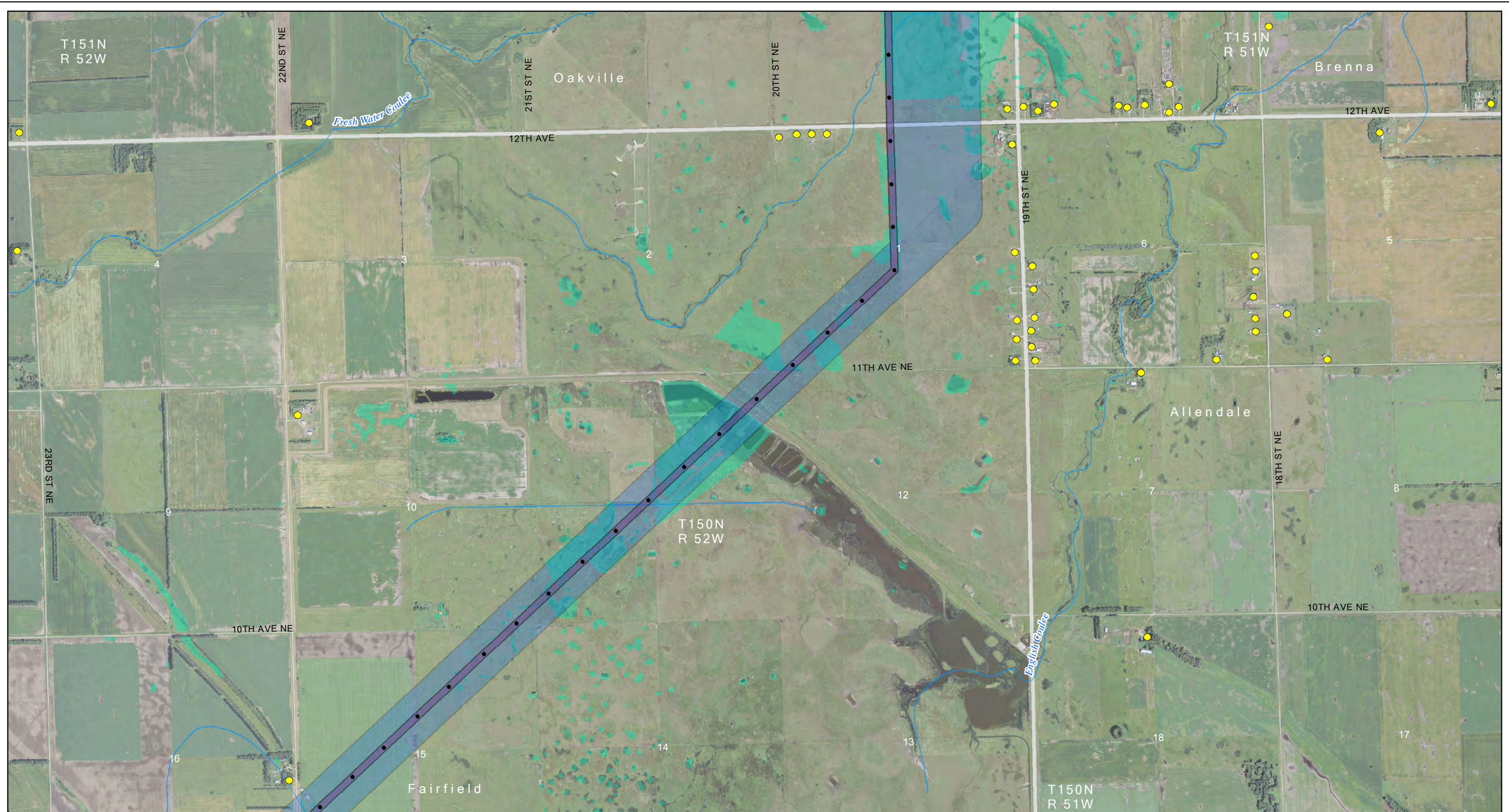
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 46 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/28/2011
 Path: \\mspe-sis-fie\GIS\Projects\Minnkota\110900\map_docs\PS\CGI\route\map_CGFRPA_03_11x17L_50p_Excel\void.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

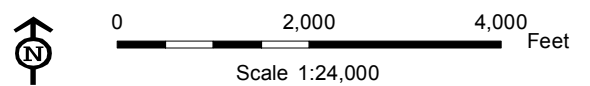
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

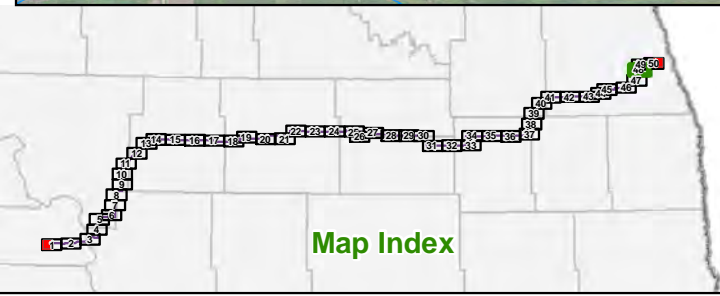
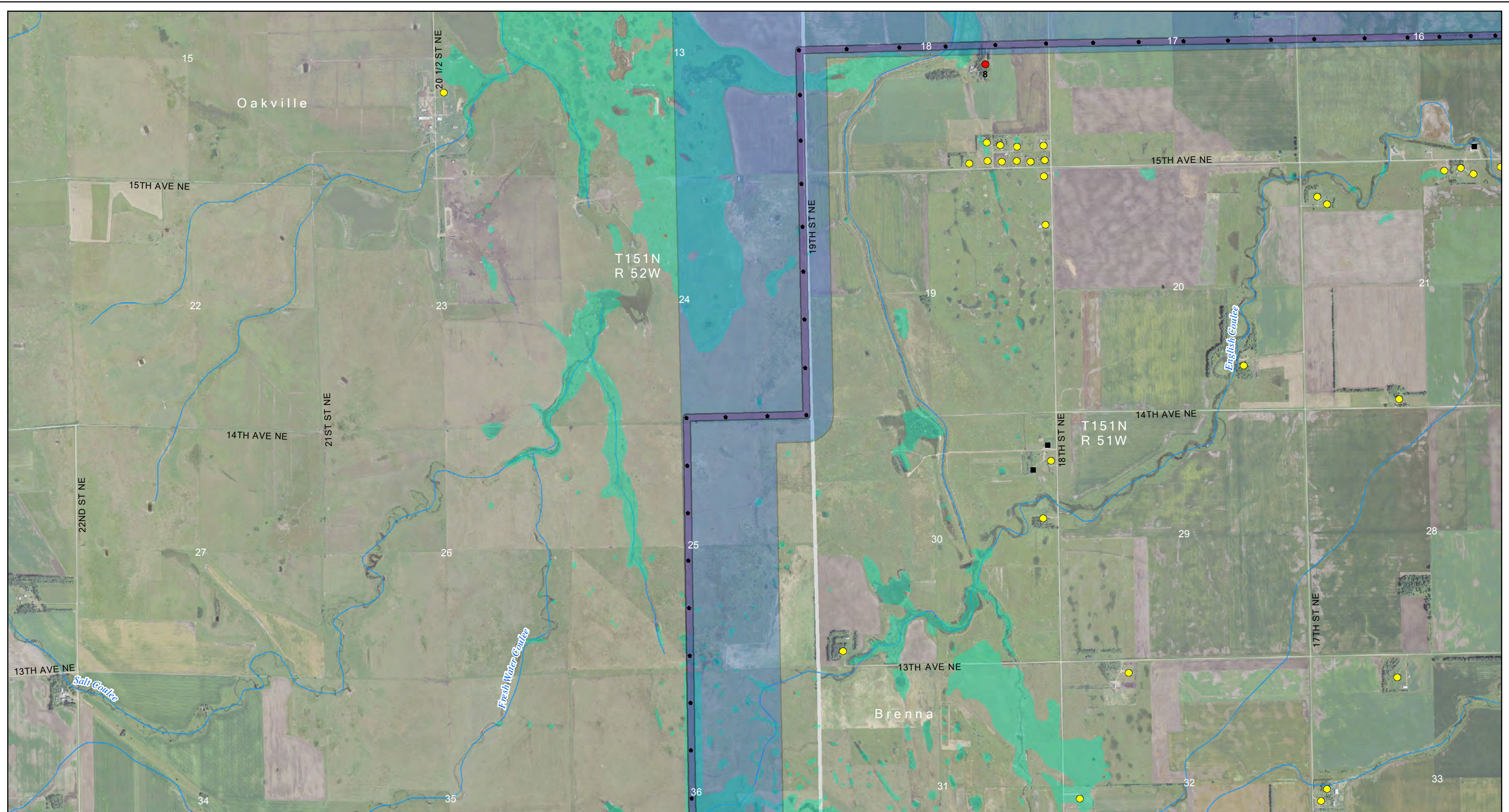
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 47 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

Date: 11/28/2014
 Path: \\mspe-sis-file\GIS\Projects\Minncota\110900\map_docs\PS\CGI\route\map_CGFRPA_03_1x17L_50p_Excel\void.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

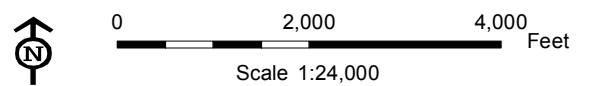
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

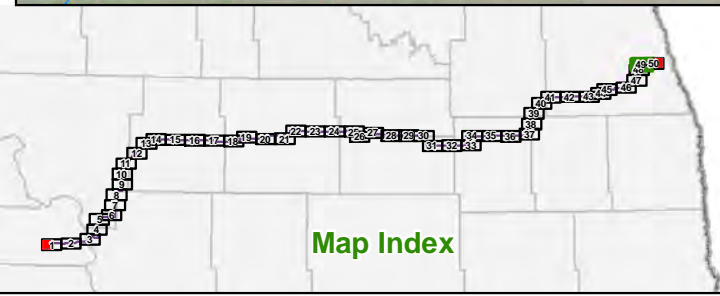
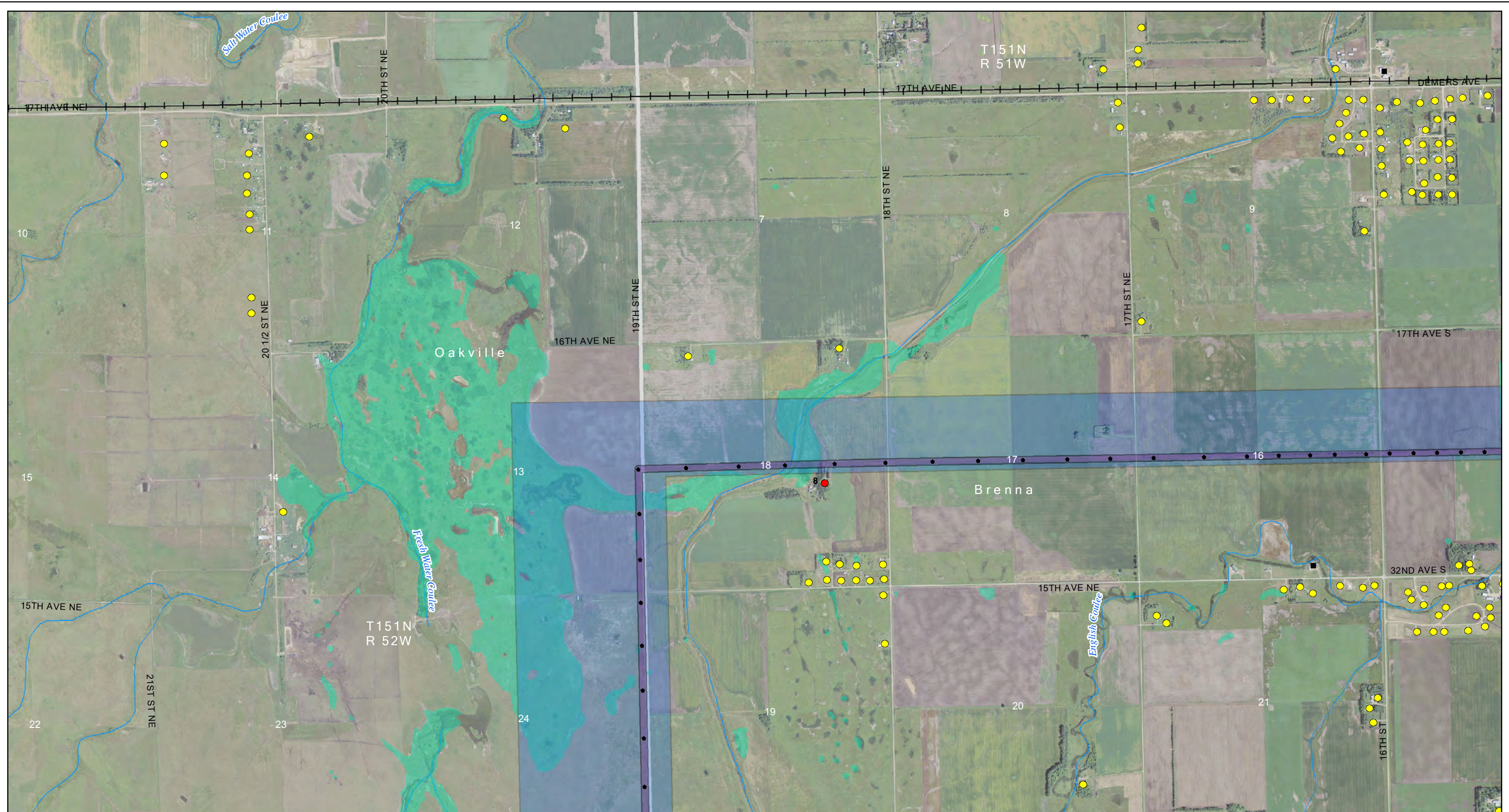
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 48 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.



Date: 11/28/2011
 Path: \\mspe-sis-file\GIS\Projects\Minncota\110900\map_docs\PSD\RouteMap\CGFPPA_03_11x17L_50p_Excel\void.mxd



Project Areas

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- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
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Sensitive location information has been redacted from this Figure.

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- Piping Plover Critical Habitat

Avoidance Areas

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- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

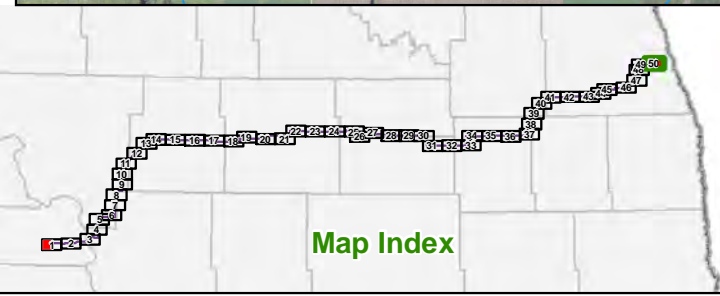
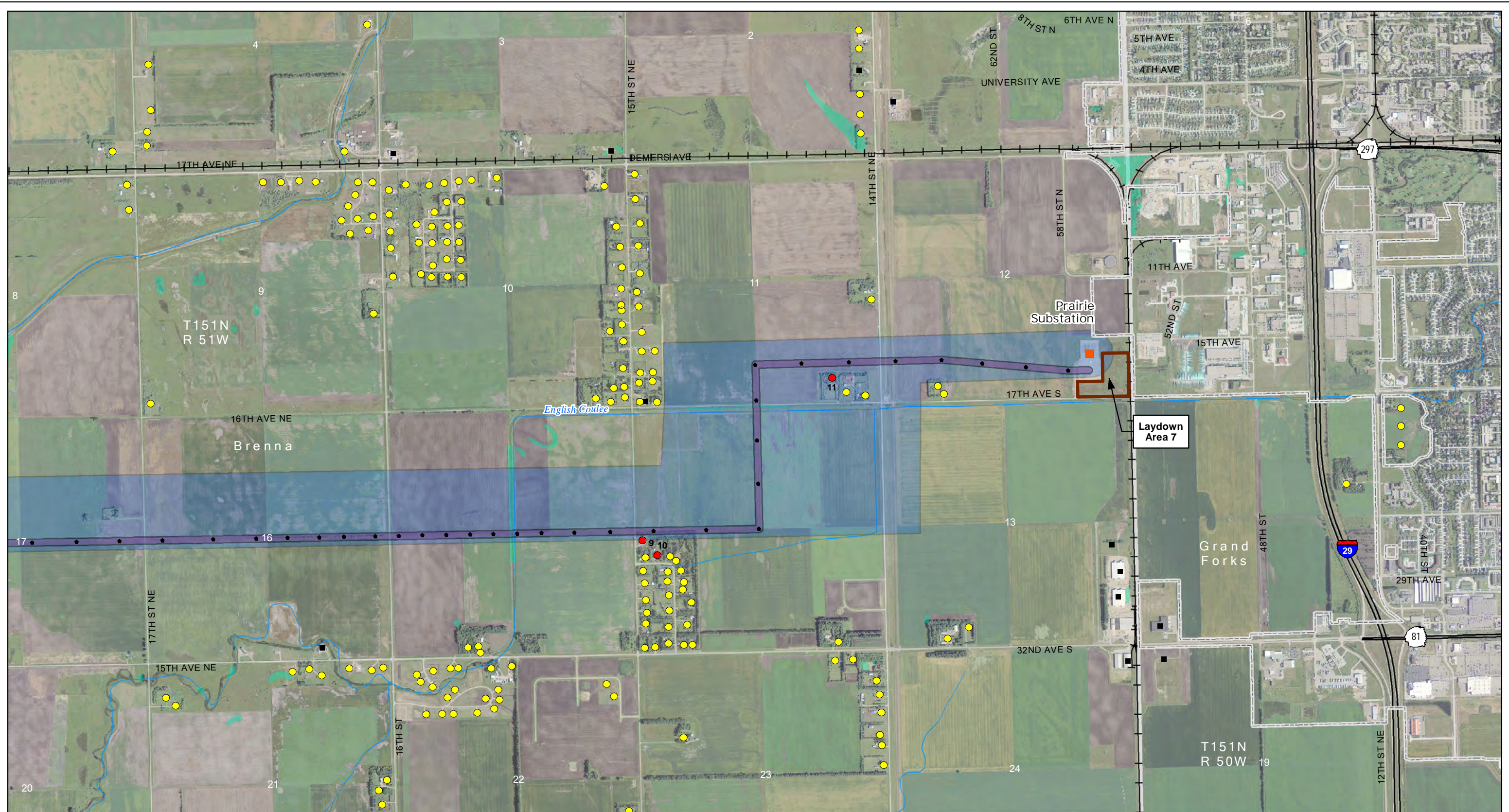
- School
- Business
- Irrigated Land
- USFWS NWR

- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 49 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minncota Power Cooperative, Inc.

0 2,000 4,000 Feet
 Scale 1:24,000

Date: 11/28/2011
 Path: \\mspe-sis-file\GIS\Projects\Minnkota\110900\map_docs\PS\CG\route\map\CGFRPA_03_11x17L_50p_Excel\avoid.mxd



Project Areas

- Project ROW
- Proposed Structure
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- Fiber Optic Regeneration Station

Sensitive location information has been redacted from this Figure.

Exclusion Areas

- State Park, Recreation Area or Nature Preserve
- Piping Plover Critical Habitat

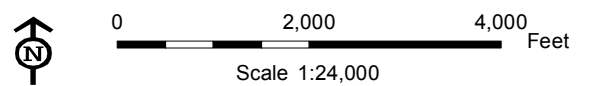
Avoidance Areas

- Occupiable Home within 500 ft of Transmission Facility
- Not Occupiable Home within 500 ft of Transmission Facility
- Occupiable Home beyond 500 ft of Transmission Facility

- School
- Business
- Irrigated Land
- USFWS NWR

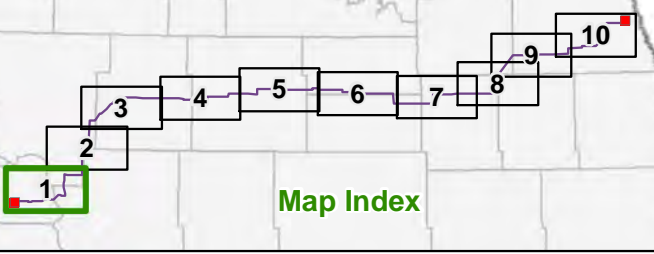
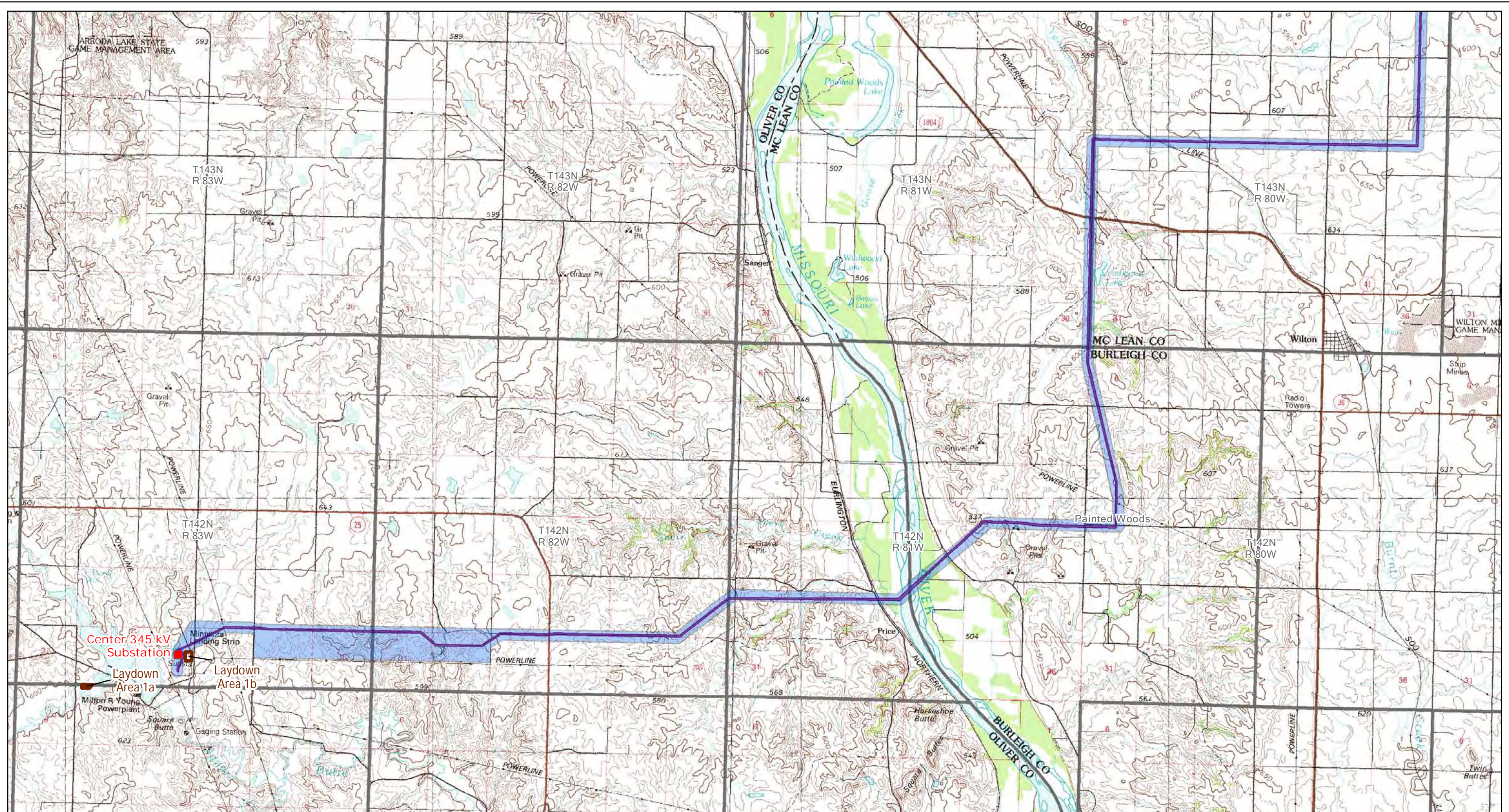
- USFWS WPA or WDA
- State WMA
- USBOR Land - McClusky Canal
- National Trail

Figure 3: Page 50 of 50
 Route Exclusion and Avoidance Areas
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



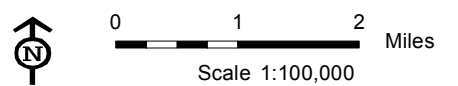
Aerial photography published by National Agriculture Imagery Program (NAIP), 2009.

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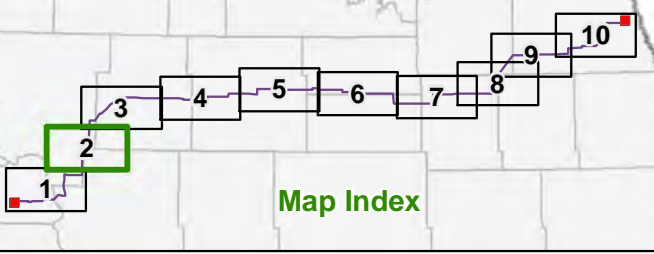
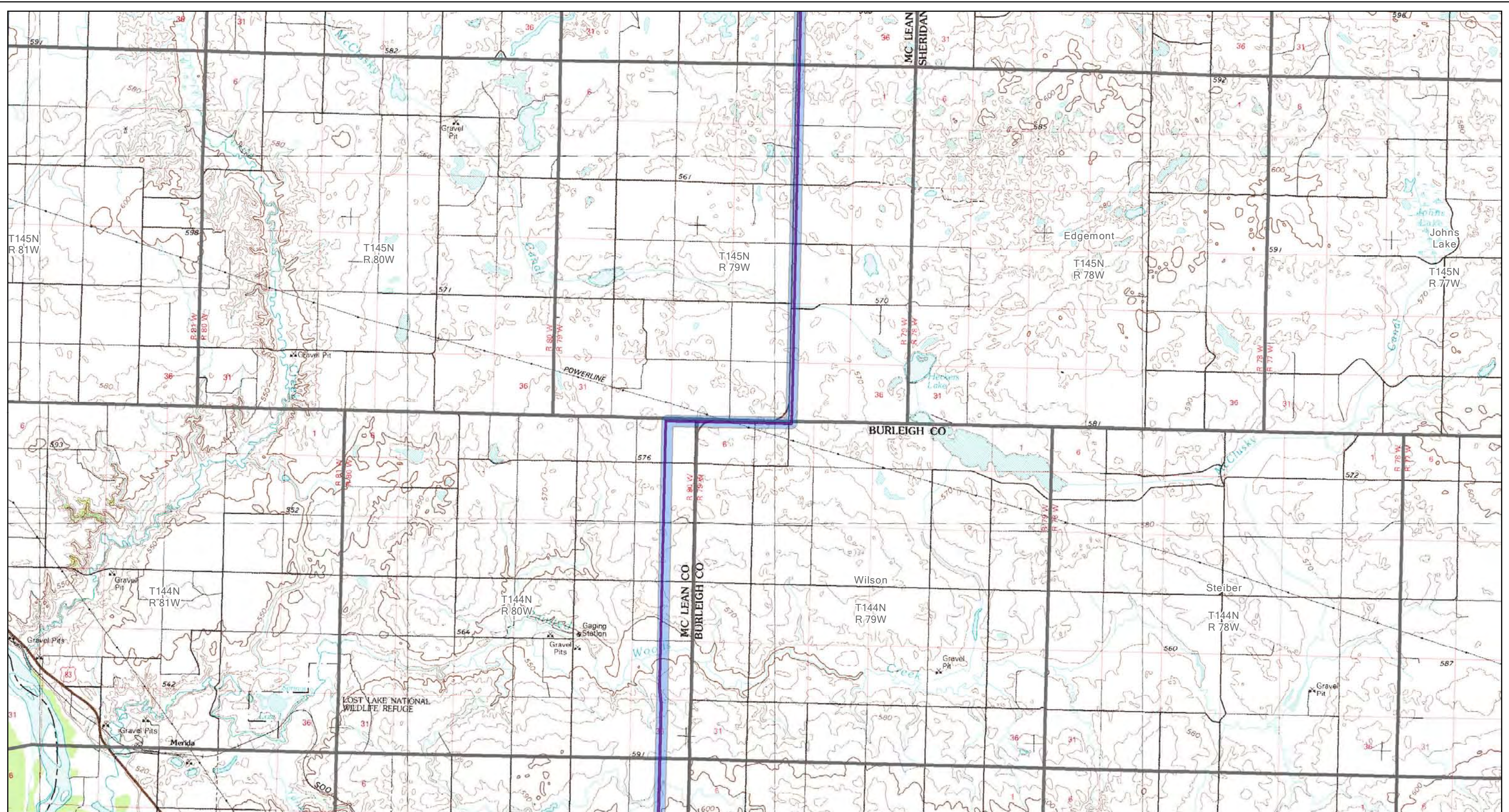


- Project ROW
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area

Figure 4: Page 1 of 10
 USGS 1:100,000 Topographic Map
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/23/2011
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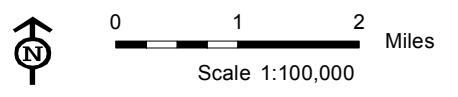
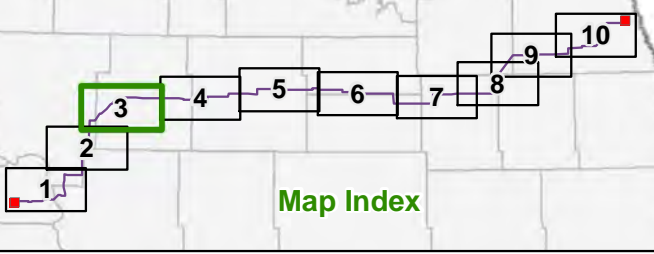
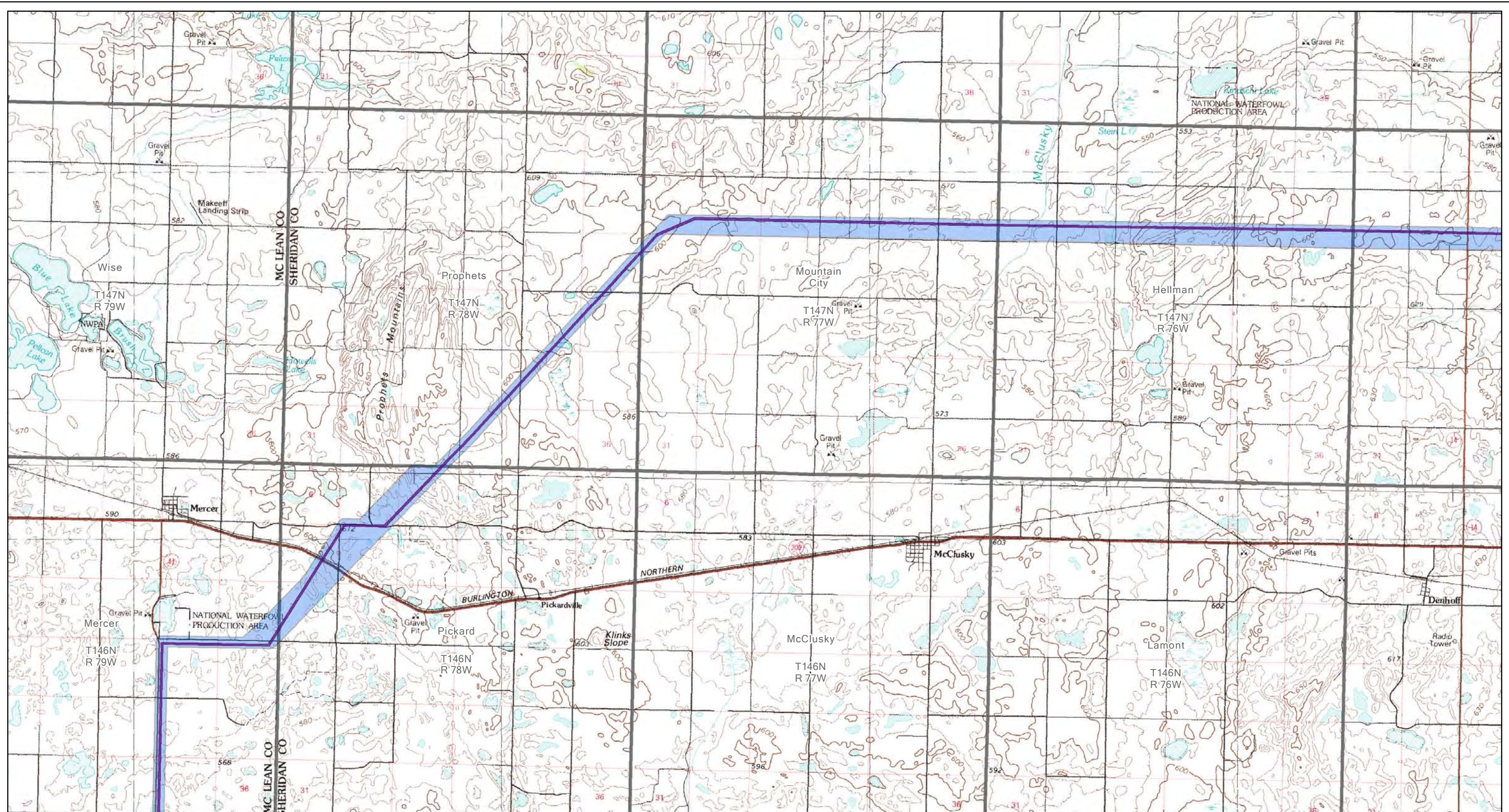
-  Project ROW
-  Proposed Modified Corridor - November 18, 2011
-  Project Substation
-  Laydown Area

Figure 4: Page 2 of 10
USGS 1:100,000 Topographic Map
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

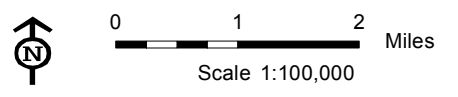


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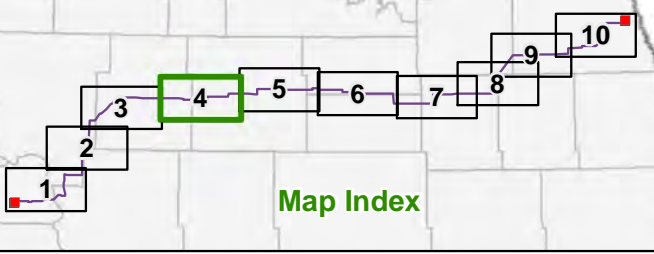
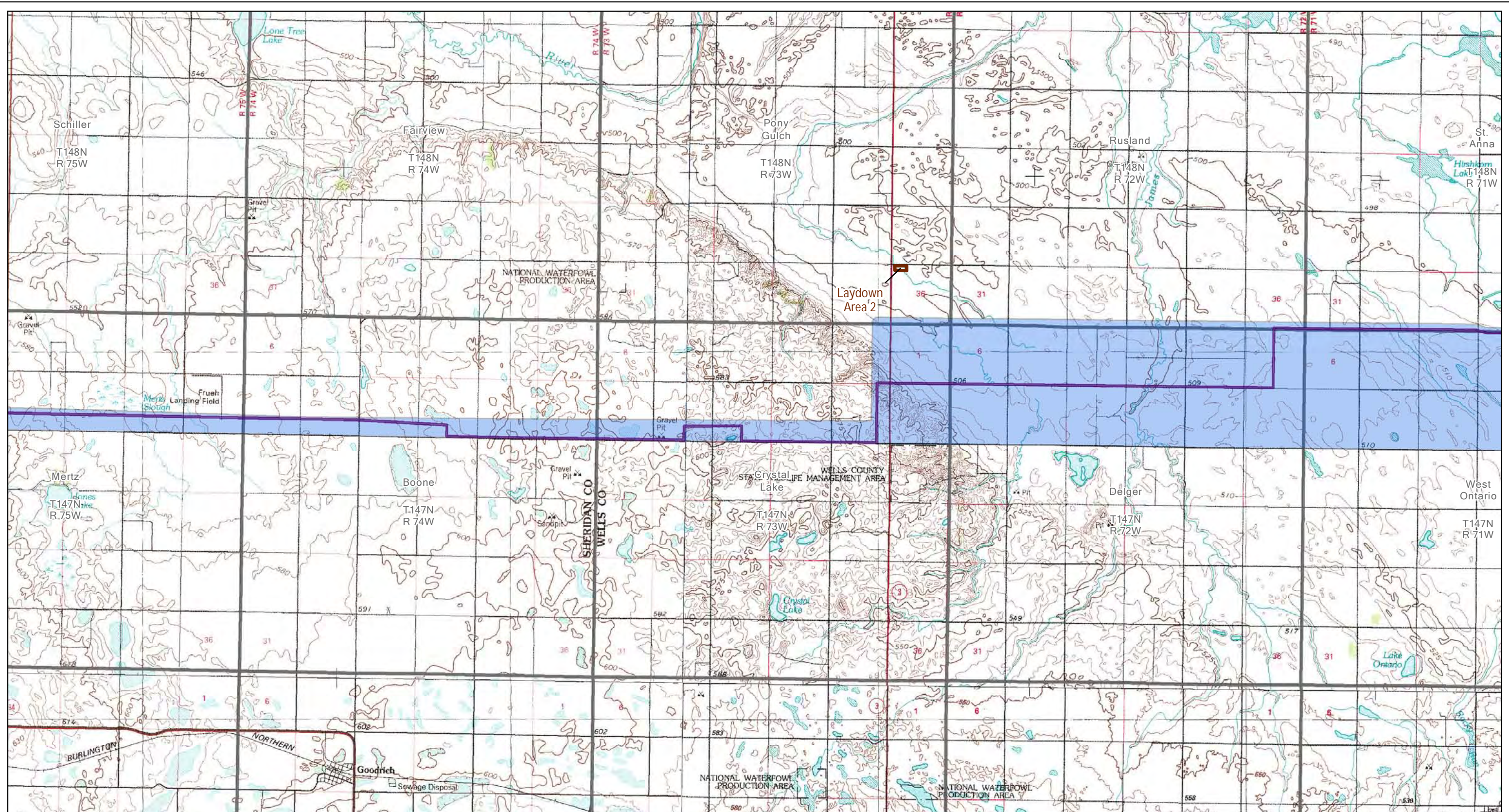


- Project ROW
- Proposed Modified Corridor
- November 18, 2011
- Project Substation
- Laydown Area

Figure 4: Page 3 of 10
 USGS 1:100,000 Topographic Map
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

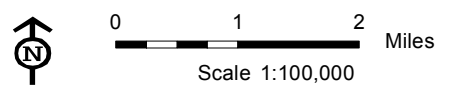


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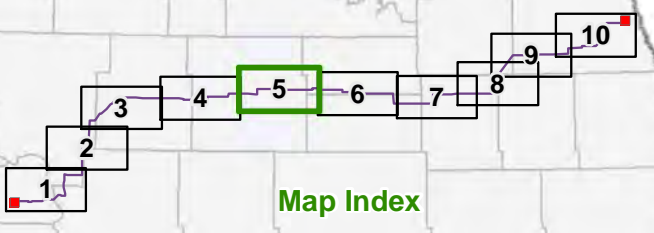
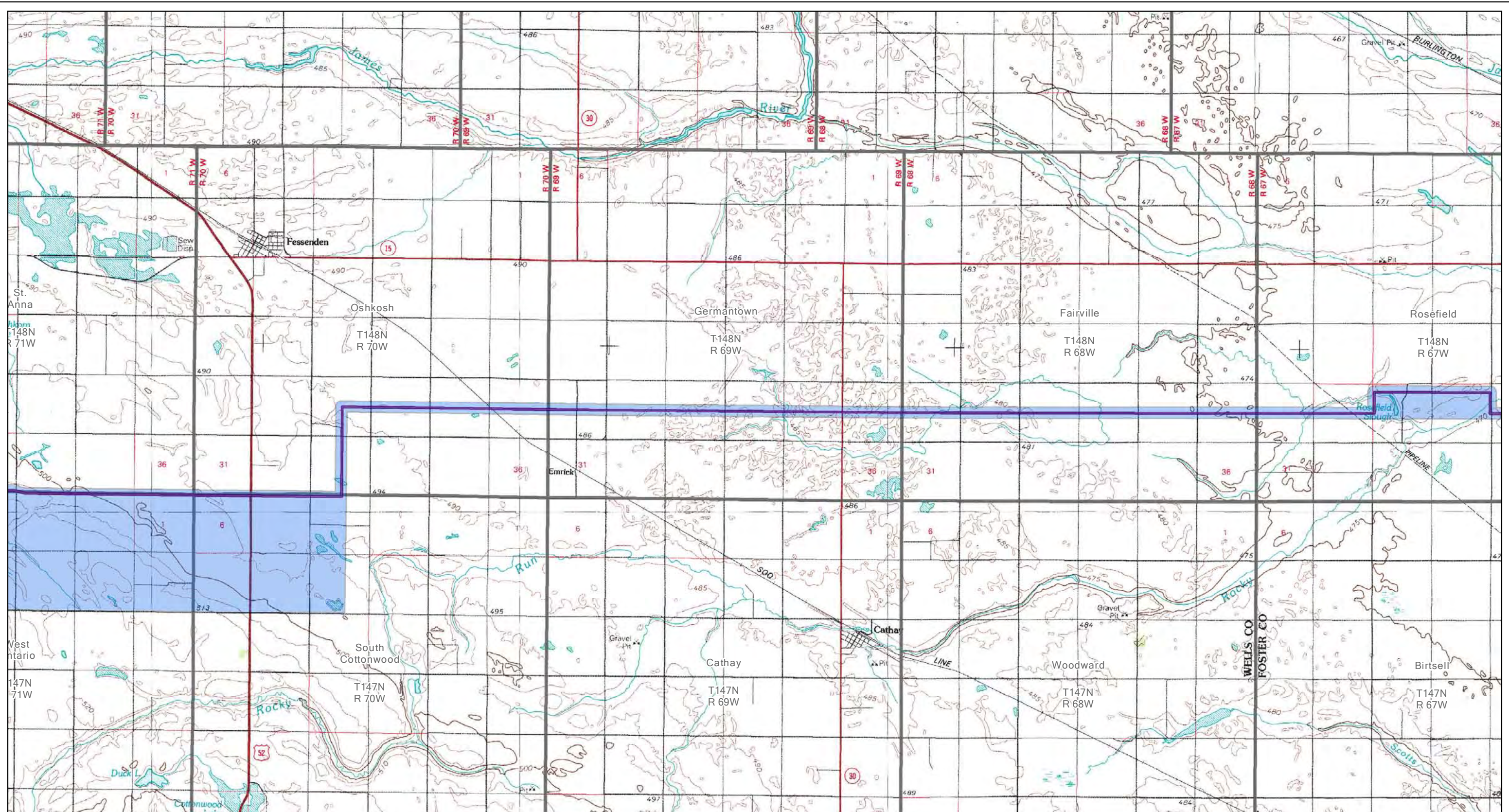


- Project ROW
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area

Figure 4: Page 4 of 10
USGS 1:100,000 Topographic Map
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

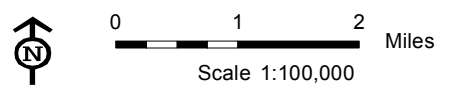


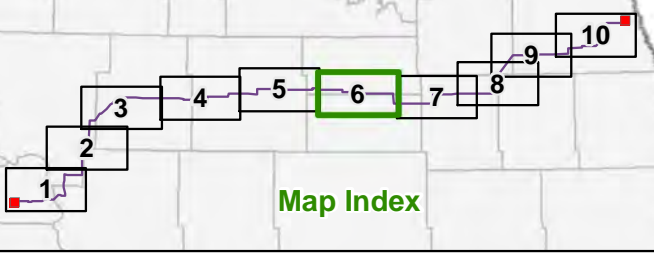
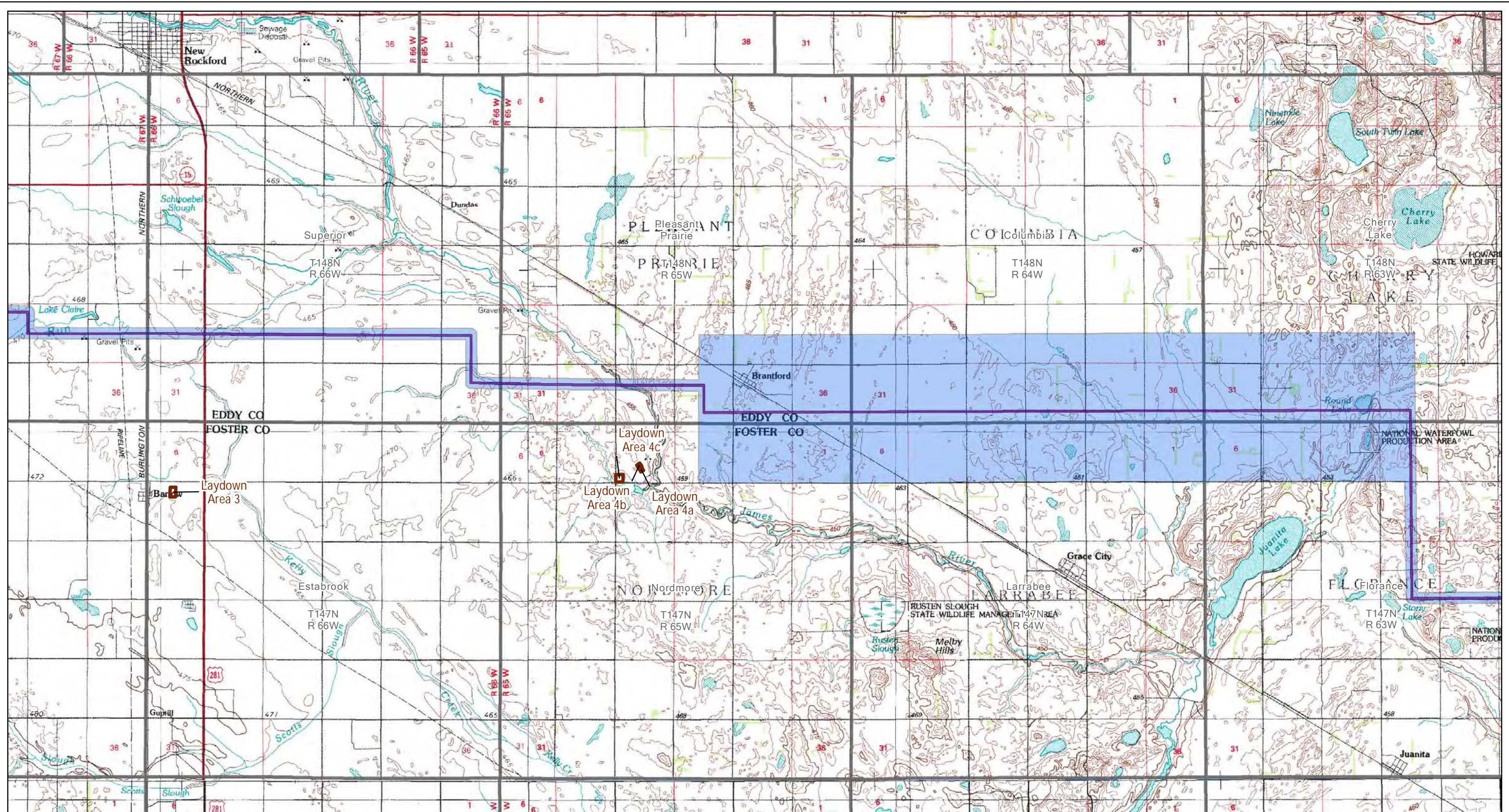
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- Project ROW
- Project Substation
- Proposed Modified Corridor - November 18, 2011
- Laydown Area

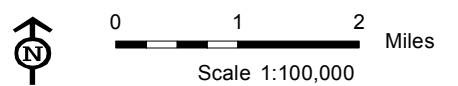
Figure 4: Page 5 of 10
USGS 1:100,000 Topographic Map
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



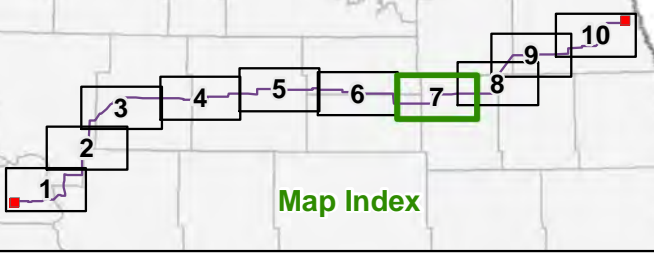
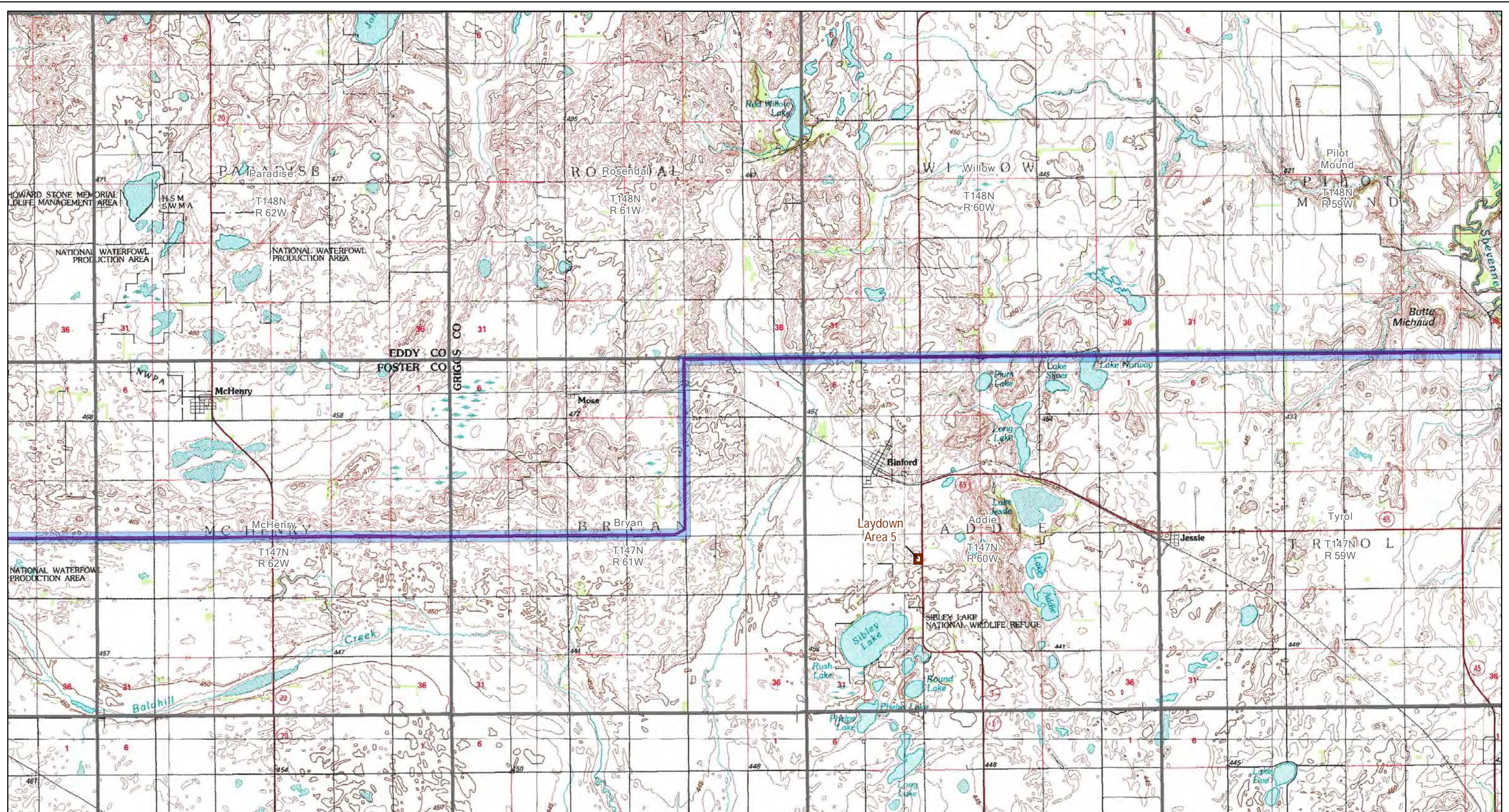


- Project ROW
- Proposed Modified Corridor - November 18, 2011
- Laydown Area
- Project Substation

Figure 4: Page 6 of 10
 USGS 1:100,000 Topographic Map
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

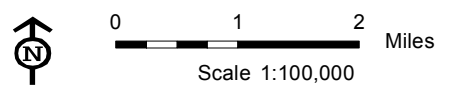


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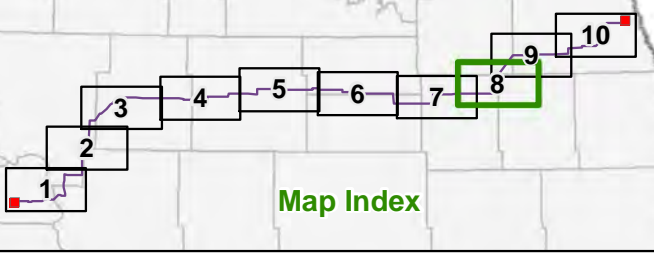
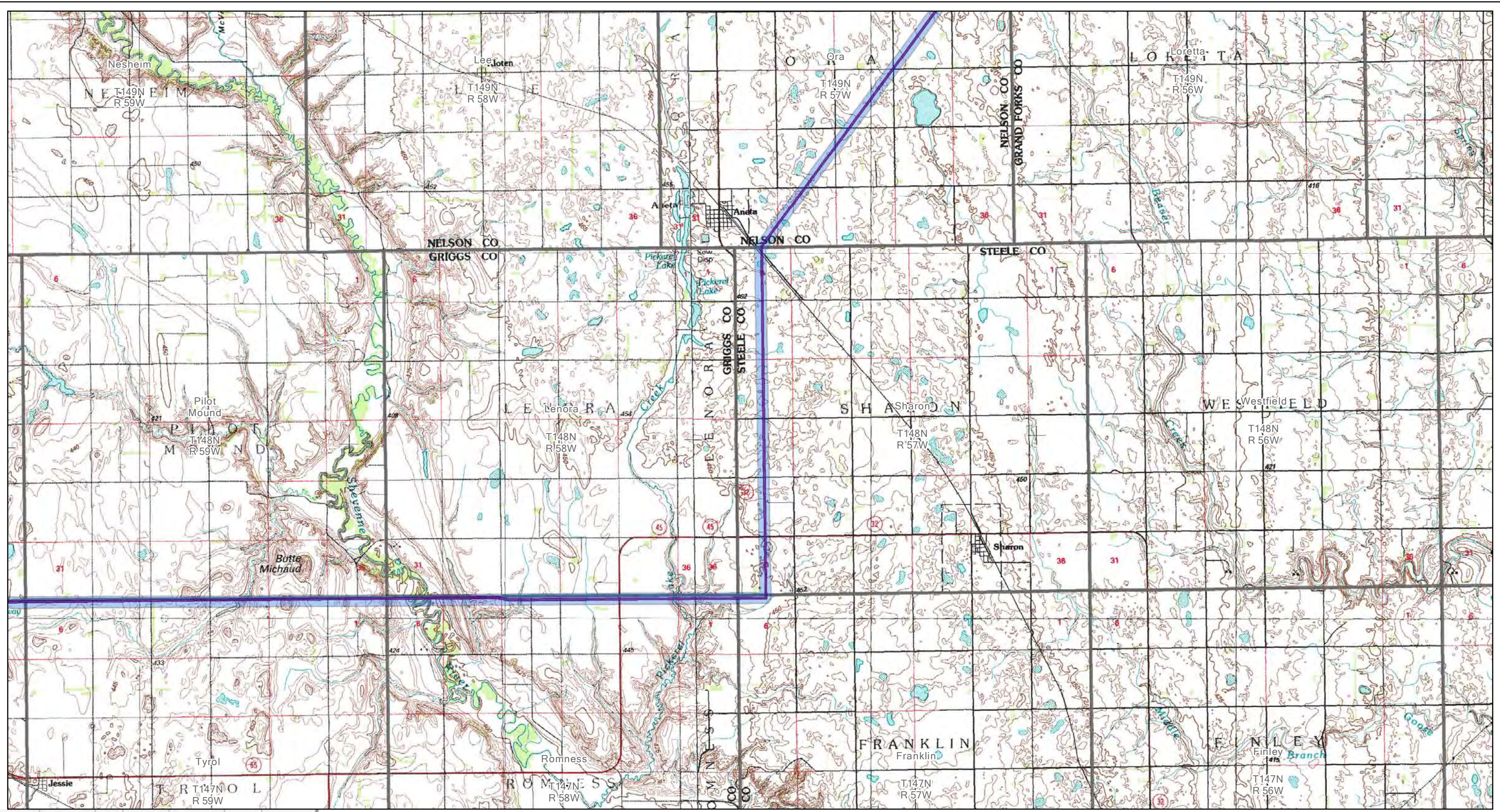


- Project ROW
- Proposed Modified Corridor
- November 18, 2011
- Project Substation
- Laydown Area

Figure 4: Page 7 of 10
USGS 1:100,000 Topographic Map
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

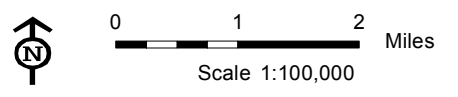


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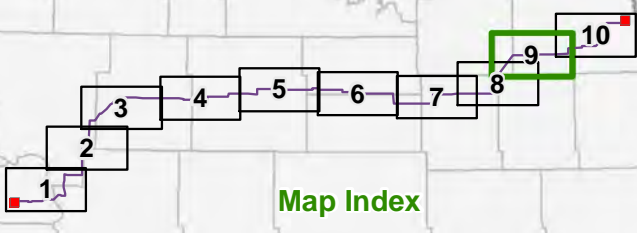
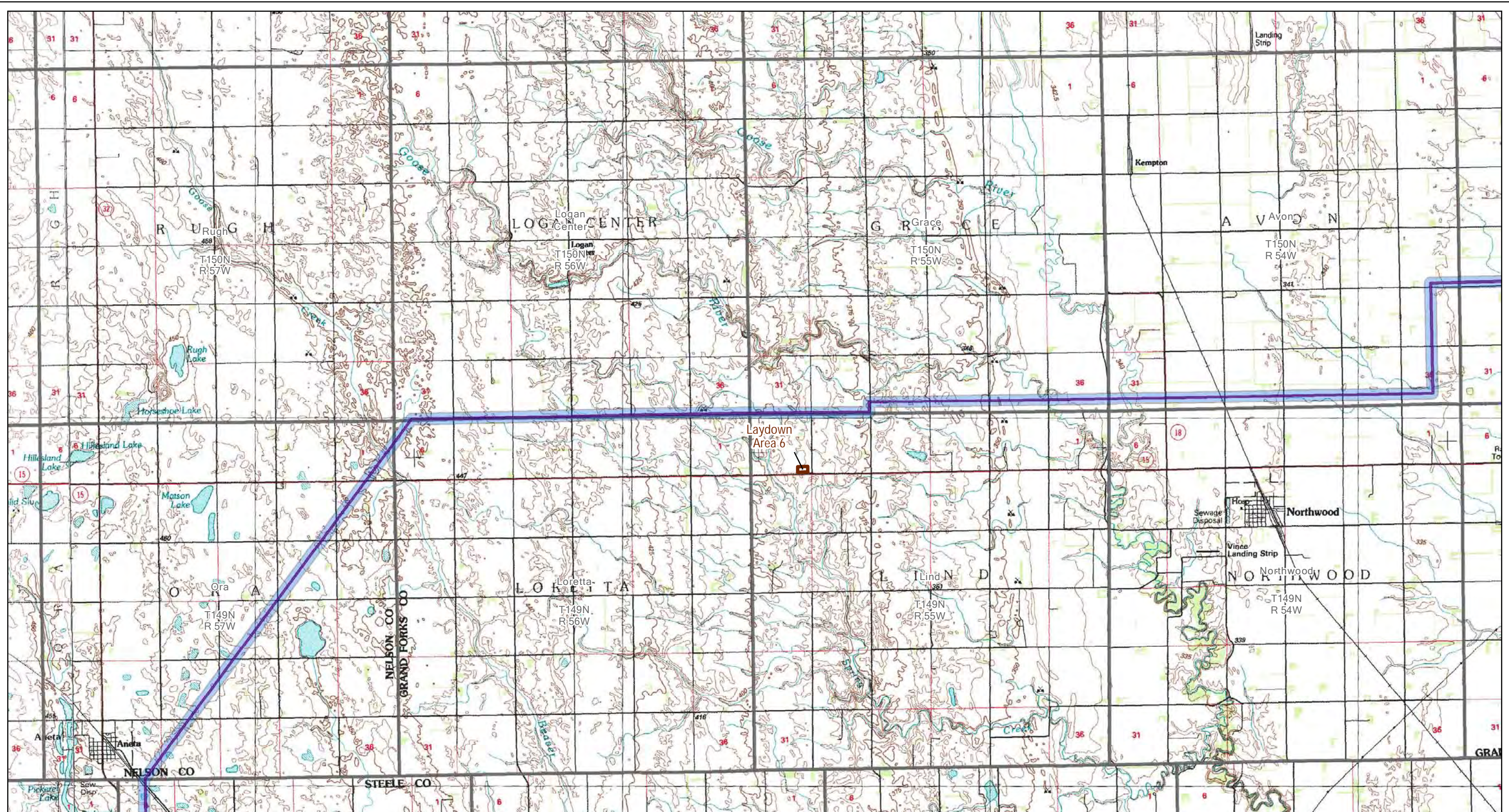


- Project ROW
- Project Substation
- Proposed Modified Corridor - November 18, 2011
- Laydown Area

Figure 4: Page 8 of 10
USGS 1:100,000 Topographic Map
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

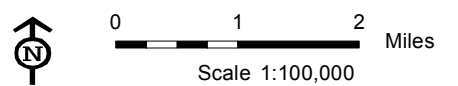


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- Project ROW
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area

Figure 4: Page 9 of 10
USGS 1:100,000 Topographic Map
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



Date: 11/23/2011
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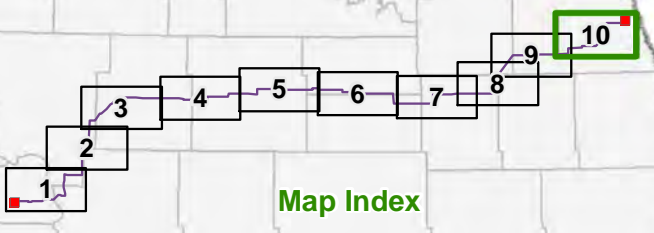
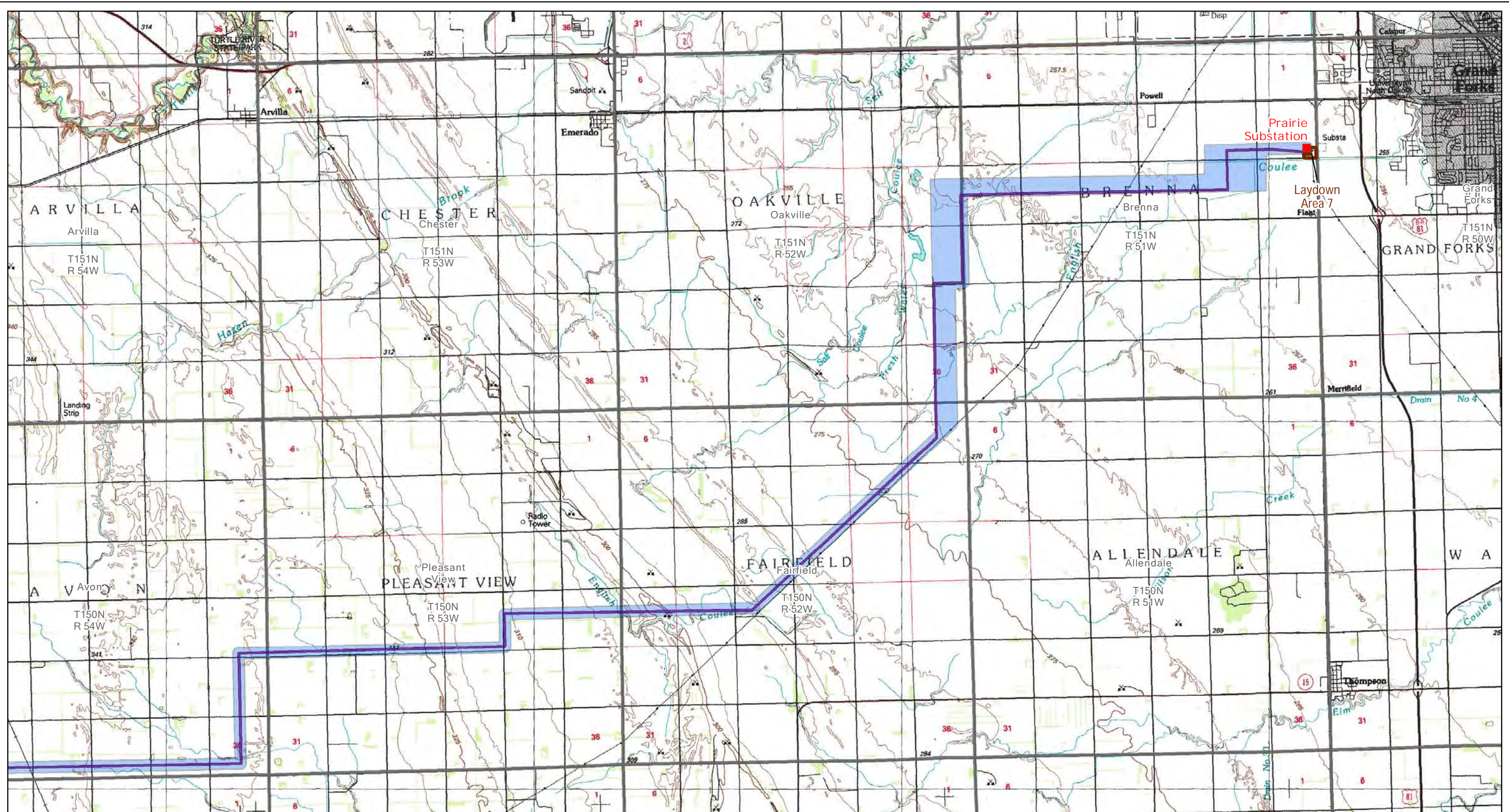
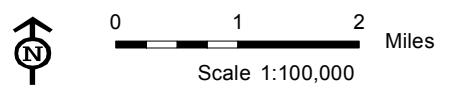
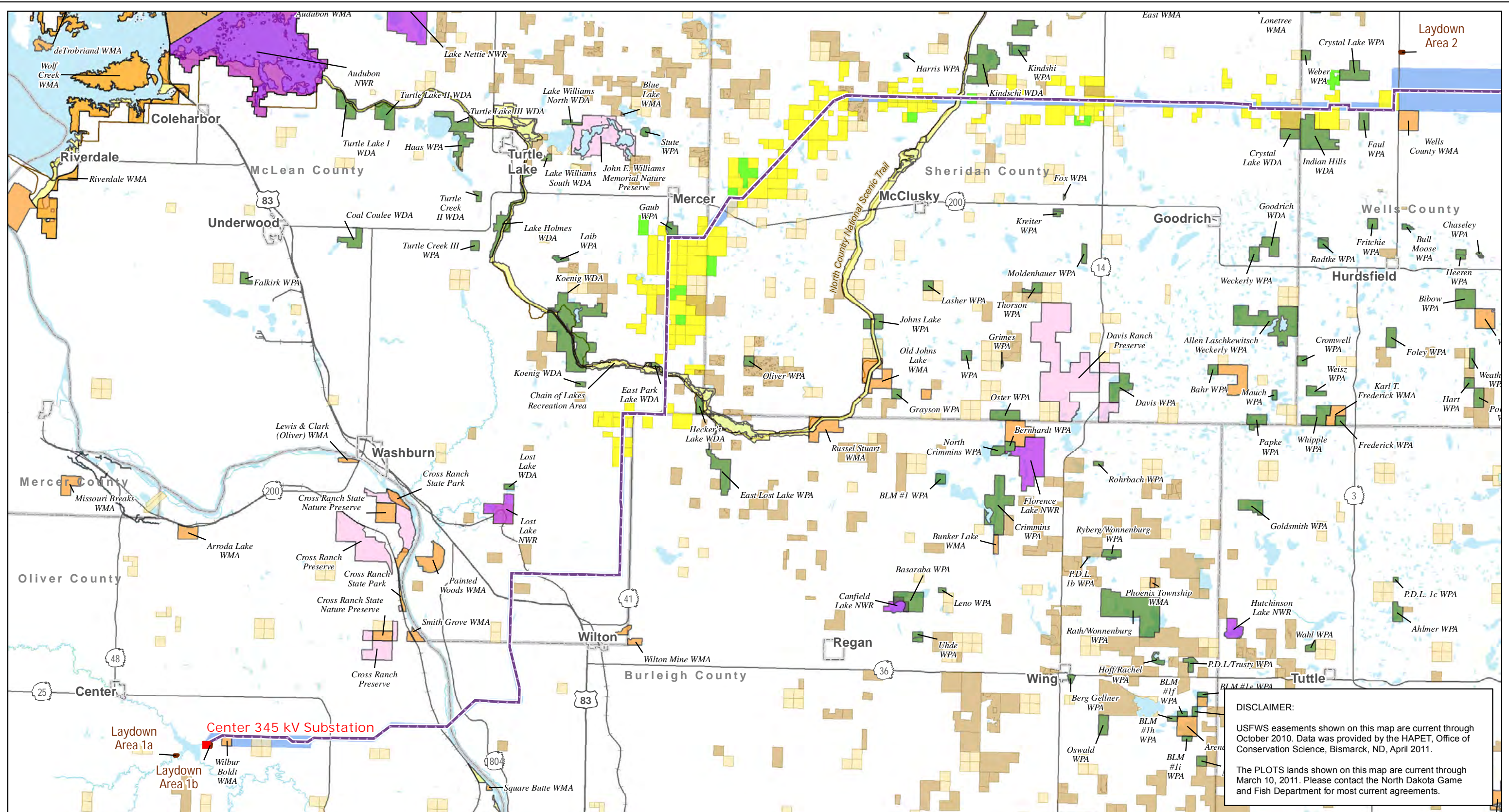


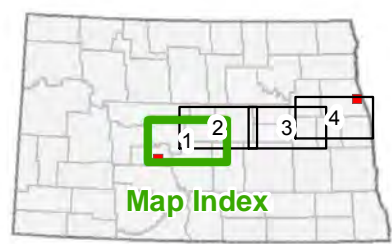
Figure 4: Page 10 of 10
USGS 1:100,000 Topographic Map
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



Date: 11/23/2011
Path: \\mspe-sie-file\GIS\Projects\Minnkota\110900\map_docs\PS\RouteApp\CGFRPA_06_11x17L_4pp_Resource Lands.mxd



DISCLAIMER:
USFWS easements shown on this map are current through October 2010. Data was provided by the HAPET, Office of Conservation Science, Bismarck, ND, April 2011.
The PLOTS lands shown on this map are current through March 10, 2011. Please contact the North Dakota Game and Fish Department for most current agreements.

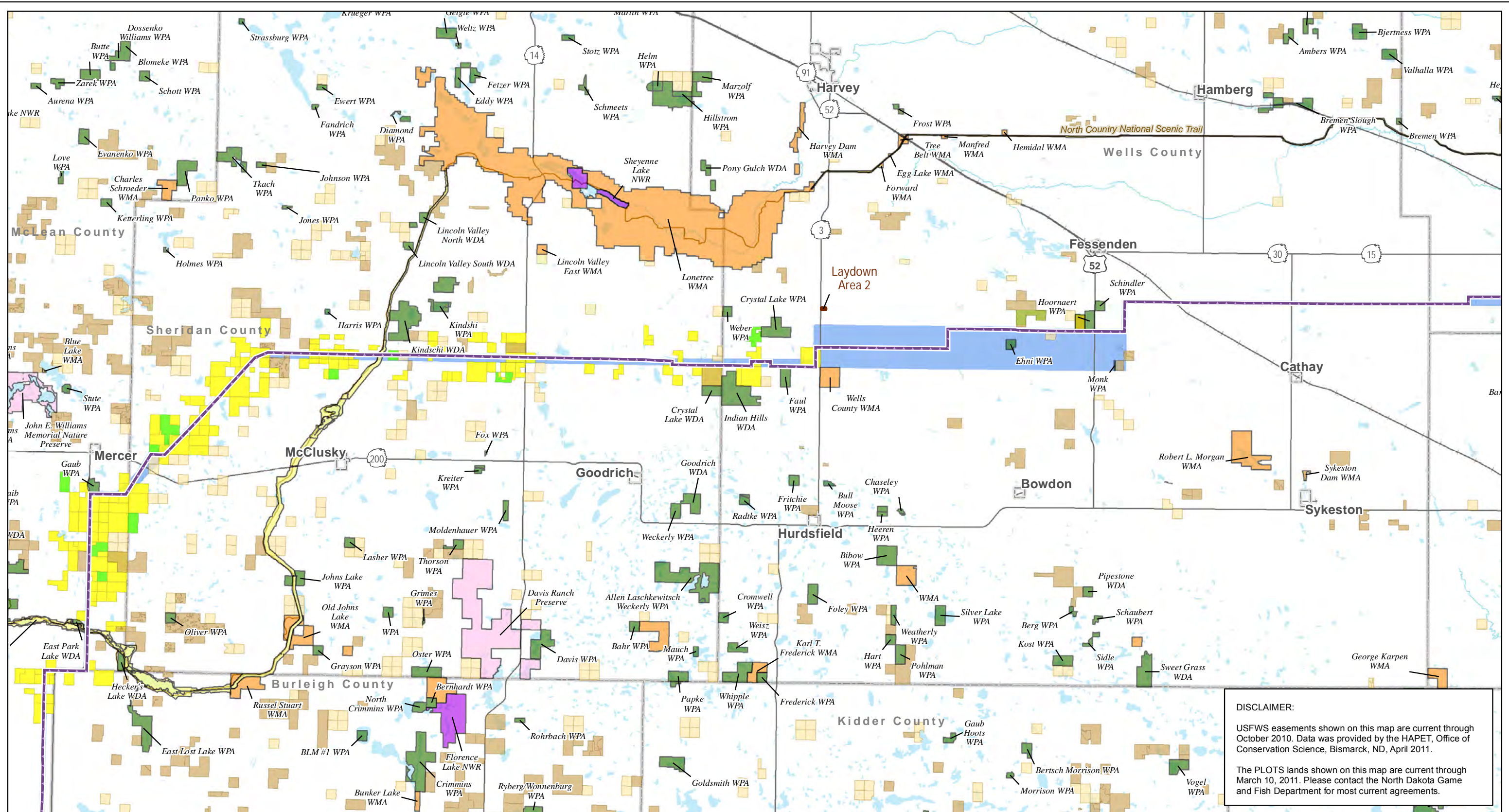


- Project Route
- Proposed Modified Corridor – November 18, 2011
- Project Substation
- Laydown Area
- North Country National Scenic Trail
- USFWS National Wildlife Refuge
- USFWS Waterfowl Production Area or Wildlife Development Area
- State Park, Recreation Area or Wildlife Management Area
- Bureau of Reclamation or Army Corps of Engineers Land
- The Nature Conservancy Preserve
- State Trust Land
- PLOTS Land
- UND Field Station
- USFWS Wetland Easement
- USFWS Grassland Easement

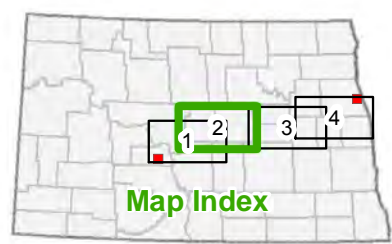
**Figure 5: Page 1 of 4
Managed Resource Lands
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.**

0 2 4 Miles
Scale 1:300,000

Date: 11/23/2011
Path: \\mspe-sie-file\GIS\Proj\Minnkota\110900\map_docs\PS\CGRouteApp\CGFRPA_06_11x7L_4pp_ResourceLands.mxd



DISCLAIMER:
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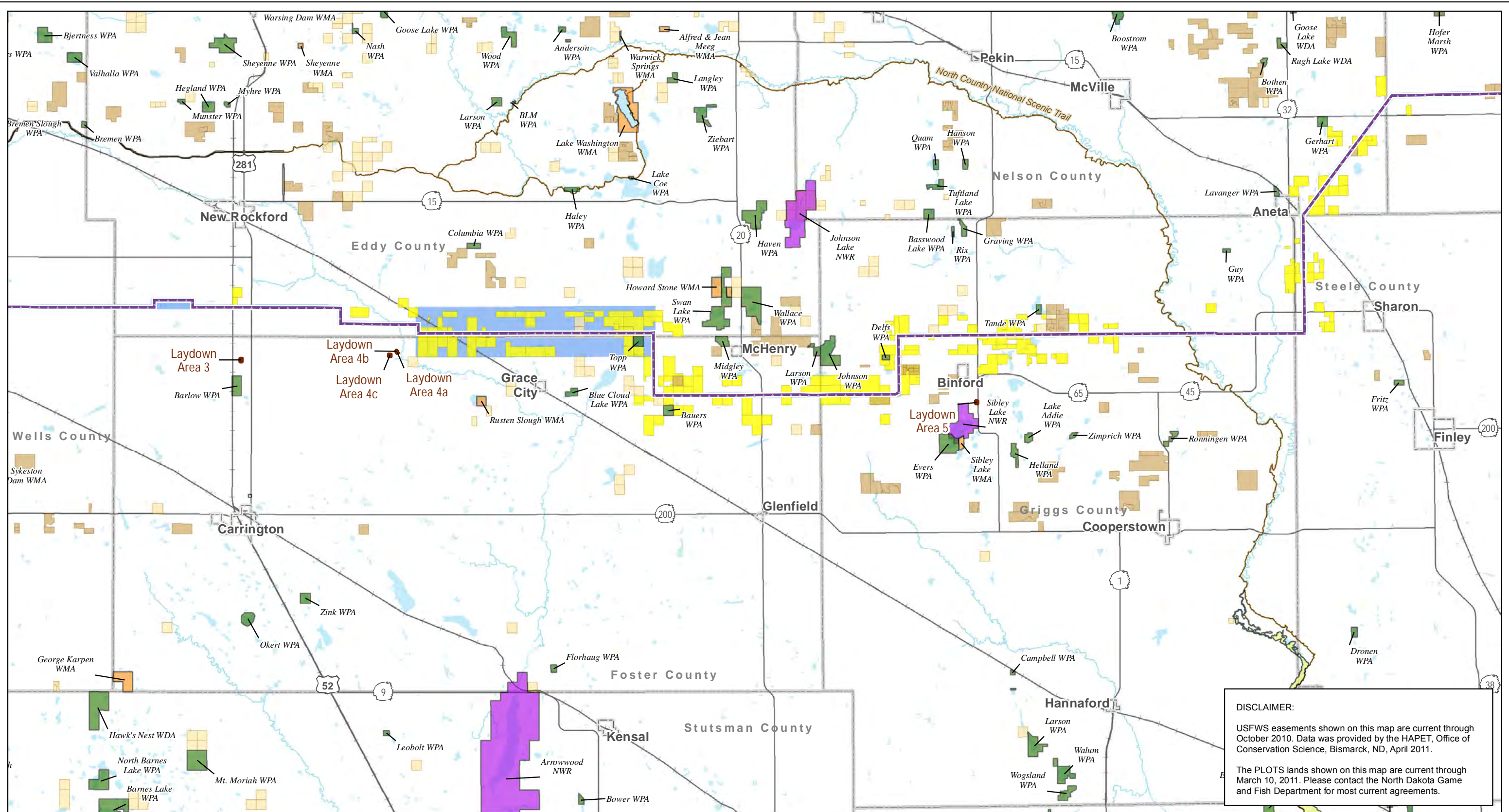


- Project Route
- Proposed Modified Corridor – November 18, 2011
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- USFWS Grassland Easement

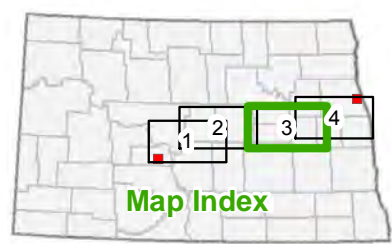
**Figure 5: Page 2 of 4
Managed Resource Lands
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.**

0 2 4 Miles
Scale 1:300,000

Date: 11/23/2011
Path: \\mspe-sie-file\GIS\Projects\Minnkota\110900\map_docs\PS\CGRouteApp\CGFRPA_06_11x17L_4pp_ResourceLands.mxd



DISCLAIMER:
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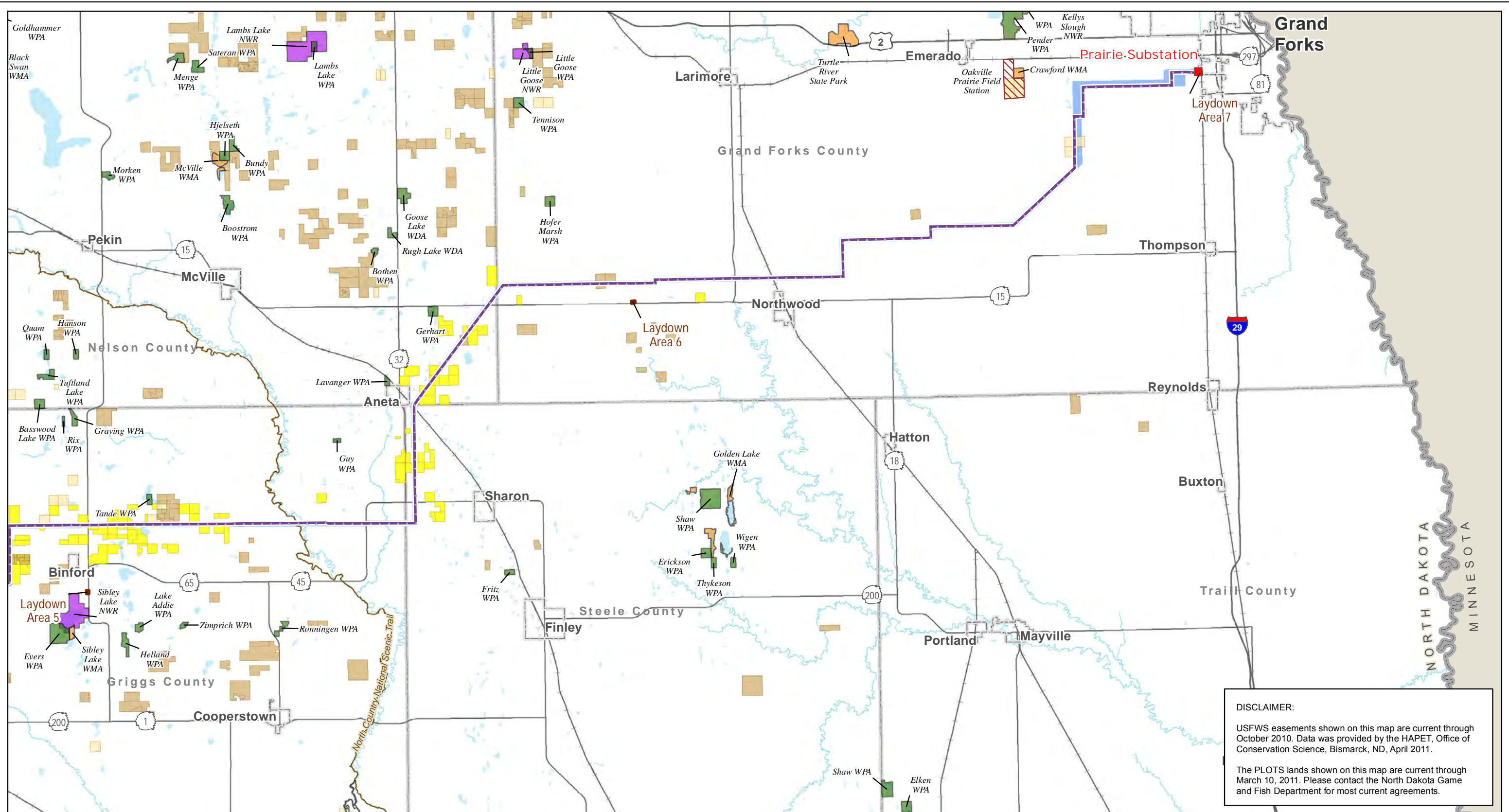


- Project Route
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- North Country National Scenic Trail
- USFWS National Wildlife Refuge
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- State Trust Land
- PLOTS Land
- UND Field Station
- USFWS Wetland Easement
- USFWS Grassland Easement

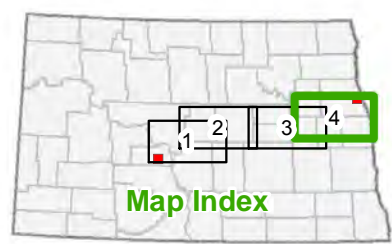
**Figure 5: Page 3 of 4
 Managed Resource Lands
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.**

0 2 4 Miles
 Scale 1:300,000

Date: 11/23/2011
Path: \\mspe-sie-file\GIS\Proj\Minnkota\110900\map_docs\PS\CGRouteApp\CGFRPA_06_11x17L_4pp_ResourceLands.mxd



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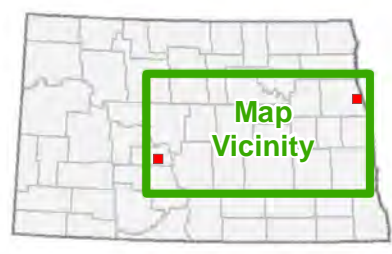
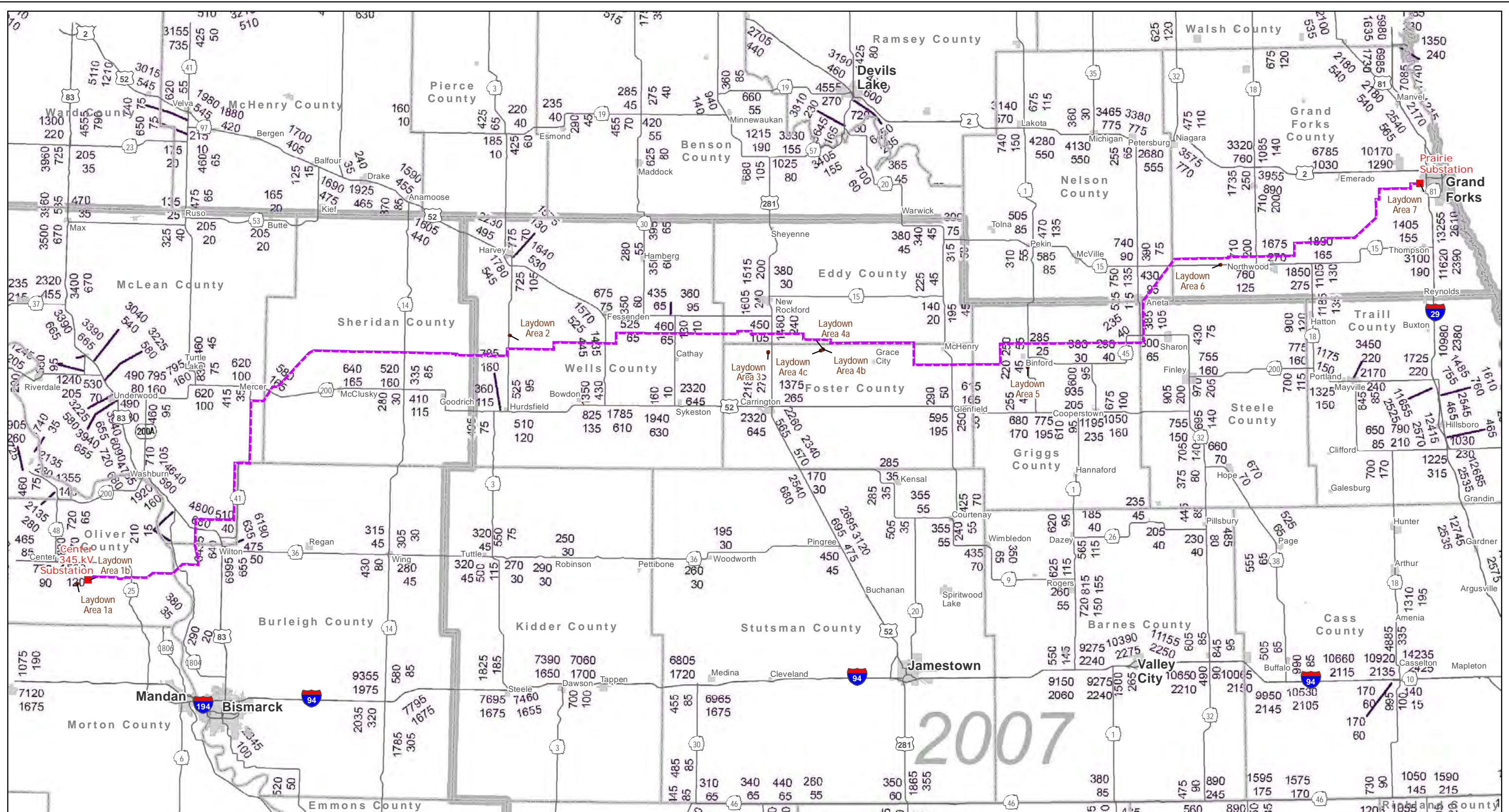


- Project Route
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- North Country National Scenic Trail
- USFWS National Wildlife Refuge
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- PLOTS Land
- UND Field Station
- USFWS Wetland Easement
- USFWS Grassland Easement

Figure 5: Page 4 of 4
Managed Resource Lands
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

0 2 4 Miles
 Scale 1:300,000

Date: 11/29/2011
Path: \\mspe-sjc-fila\GIS\Proj\Minnkota\110900\map_docs\PS\RouteApp\CGFRPA_06_11x17L_AADT.mxd



- Project Route
- Project Substation
- Laydown Area

AADT (Average Annual Daily Traffic) - 2500
COMMERCIAL TRUCK TRAFFIC - 150
THE TRAFFIC FIGURES ARE THE TOTAL AT THE CLOSEST HIGHWAY INTERSECTION OR TOWN.

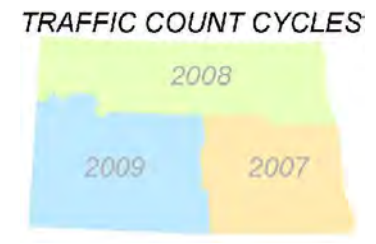
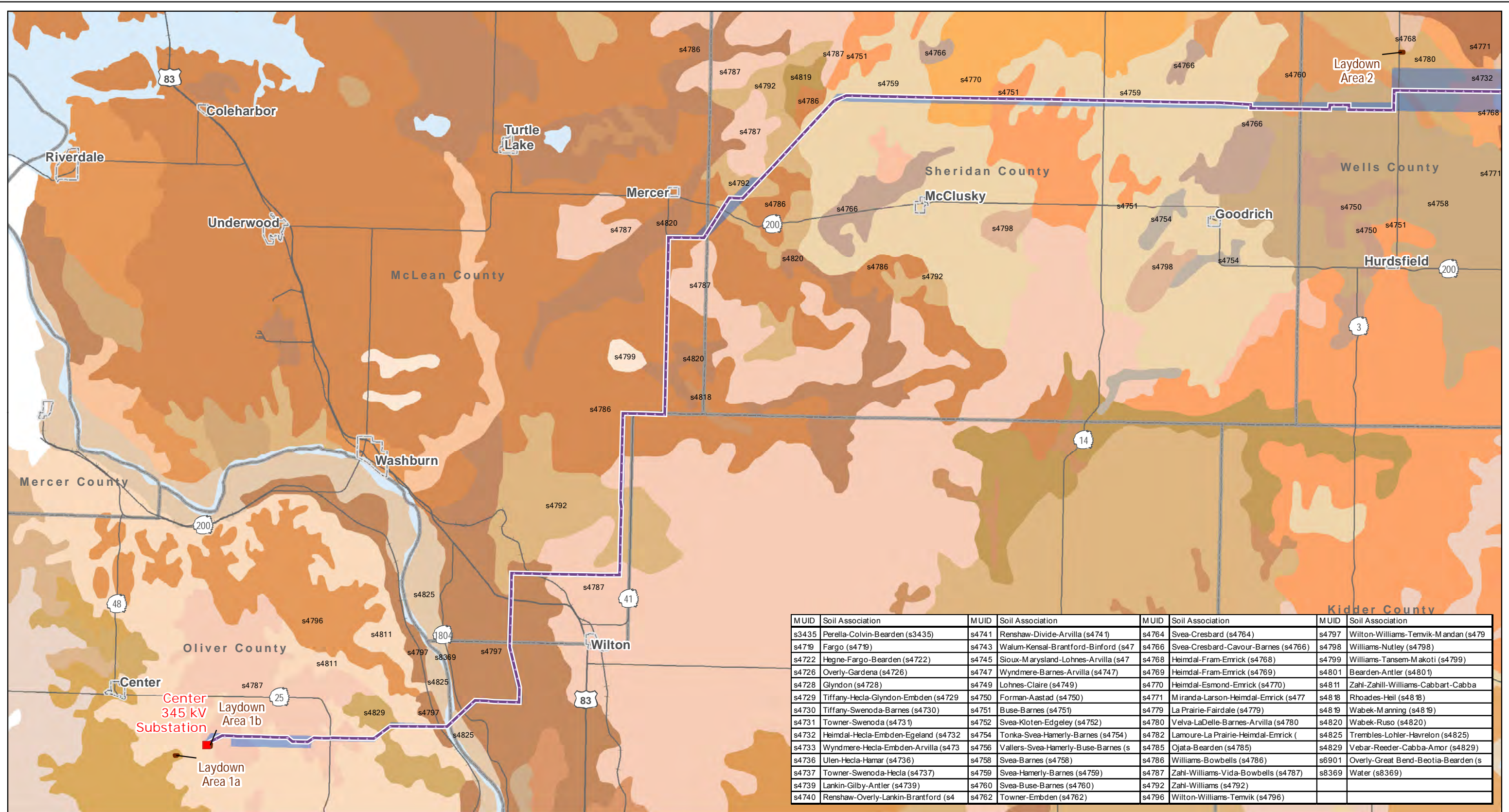
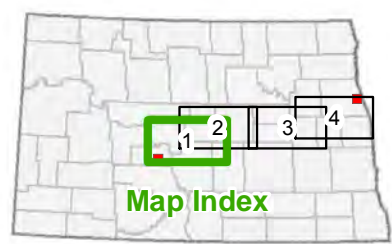


Figure 6
Average Annual Daily Traffic
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

Date: 11/23/2014
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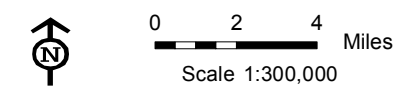


M UID	Soil Association	M UID	Soil Association	M UID	Soil Association	M UID	Soil Association
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s4719	Fargo (s4719)	s4743	Walum-Kensal-Brantford-Binford (s4743)	s4766	Svea-Cresbard-Cavour-Barnes (s4766)	s4798	Williams-Nutley (s4798)
s4722	Hegne-Fargo-Bearden (s4722)	s4745	Sioux-Marysland-Lohnes-Arvilla (s4745)	s4768	Heimdal-Fram-Emrick (s4768)	s4799	Williams-Tansem-Makoti (s4799)
s4726	Overly-Gardena (s4726)	s4747	Wyndmere-Barnes-Arvilla (s4747)	s4769	Heimdal-Fram-Emrick (s4769)	s4801	Bearden-Antler (s4801)
s4728	Glyndon (s4728)	s4749	Lohnes-Claire (s4749)	s4770	Heimdal-Esmond-Emrick (s4770)	s4811	Zahl-Zahill-Williams-Cabbart-Cabba
s4729	Tiffany-Hecla-Glyndon-Embden (s4729)	s4750	Forman-Aastad (s4750)	s4771	Miranda-Larson-Heimdal-Emrick (s4771)	s4818	Rhodes-Heil (s4818)
s4730	Tiffany-Swenoda-Barnes (s4730)	s4751	Buse-Barnes (s4751)	s4779	La Prairie-Fairdale (s4779)	s4819	Wabek-Manning (s4819)
s4731	Towner-Swenoda (s4731)	s4752	Svea-Kloten-Edgeley (s4752)	s4780	Velva-LaDelle-Barnes-Arvilla (s4780)	s4820	Wabek-Ruso (s4820)
s4732	Heimdal-Hecla-Embden-Egeland (s4732)	s4754	Tonka-Svea-Hamerly-Barnes (s4754)	s4782	Lamoure-La Prairie-Heimdal-Emrick (s4782)	s4825	Trembles-Lohter-Havrelon (s4825)
s4733	Wyndmere-Hecla-Embden-Arvilla (s4733)	s4756	Vallers-Svea-Hamerly-Buse-Barnes (s4756)	s4785	Ojata-Bearden (s4785)	s4829	Vebar-Reeder-Cabba-Amor (s4829)
s4736	Ulen-Hecla-Hamar (s4736)	s4758	Svea-Barnes (s4758)	s4786	Williams-Bowbells (s4786)	s6901	Overly-Great Bend-Beotia-Bearden (s6901)
s4737	Towner-Swenoda-Hecla (s4737)	s4759	Svea-Hamerly-Barnes (s4759)	s4787	Zahl-Williams-Vida-Bowbells (s4787)	s8369	Water (s8369)
s4739	Lankin-Gilby-Antler (s4739)	s4760	Svea-Buse-Barnes (s4760)	s4792	Zahl-Williams (s4792)		
s4740	Renshaw-Overly-Lankin-Brantford (s4740)	s4762	Towner-Embden (s4762)	s4796	Wilton-Williams-Terwik (s4796)		

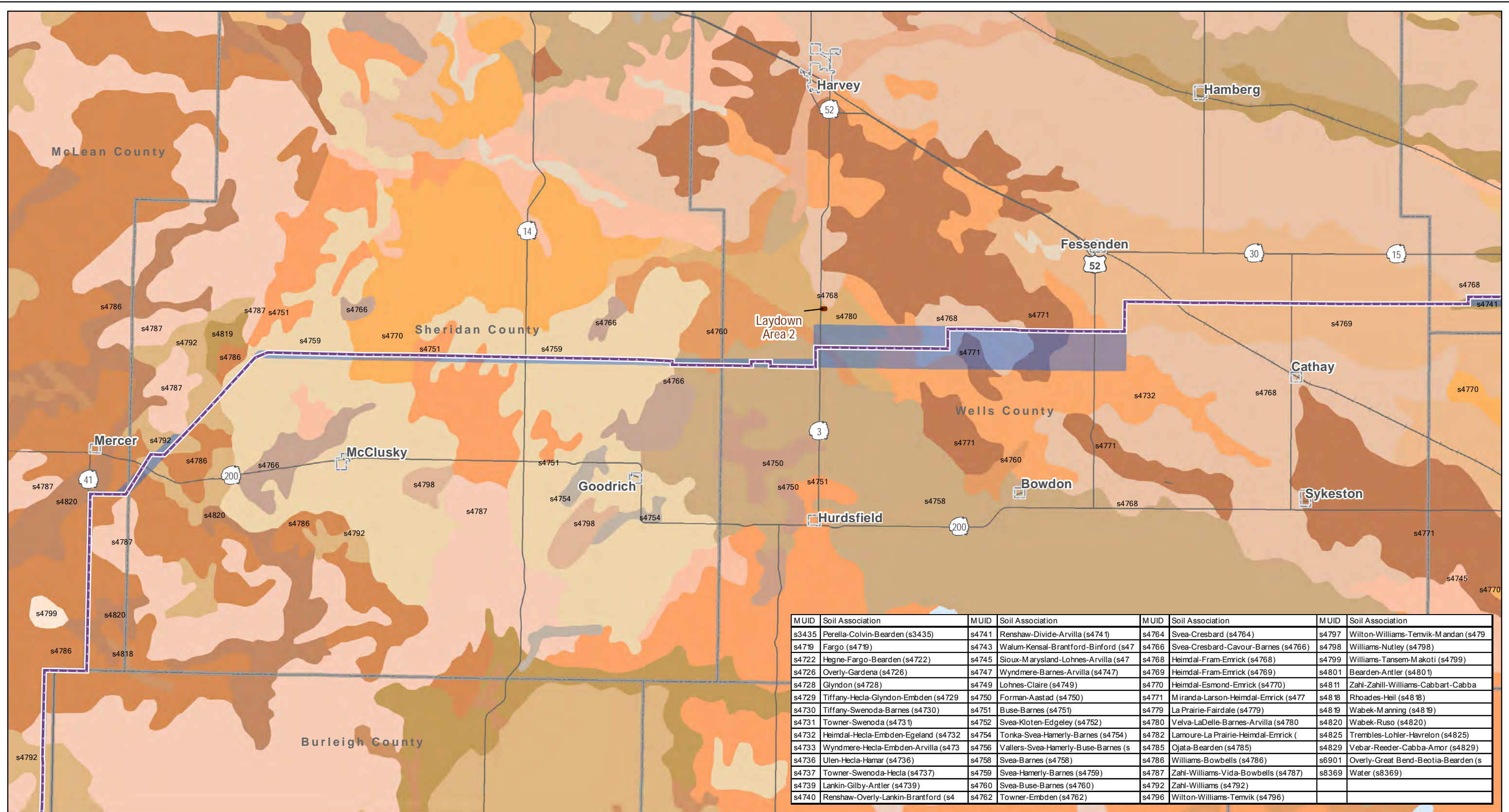


- Project Route
- Proposed Modified Corridor
- November 18, 2011
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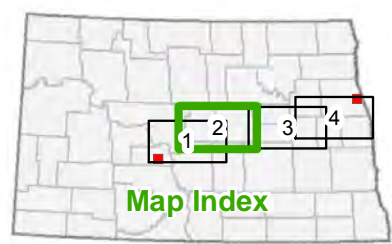
Figure 7: Page 1 of 4
State Soils Association (STATSGO)
Center to Grand Forks Project
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Date: 11/23/2014
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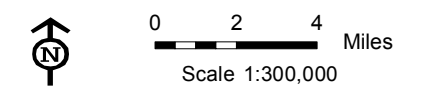


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s4335	Perella-Colvin-Bearden (s4335)	s4741	Renshaw-Divide-Arvilla (s4741)	s4764	Svea-Cresbard (s4764)	s4797	Wilton-Williams-Temvik-Mandan (s4797)
s4719	Fargo (s4719)	s4743	Walum-Kensal-Brantford-Binford (s4743)	s4766	Svea-Cresbard-Cavour-Barnes (s4766)	s4798	Williams-Nutley (s4798)
s4722	Hegne-Fargo-Bearden (s4722)	s4745	Sioux-Marysland-Lohnes-Arvilla (s4745)	s4768	Heimdal-Fram-Emrick (s4768)	s4799	Williams-Tansem-Makoti (s4799)
s4726	Overly-Gardena (s4726)	s4747	Wyndmere-Barnes-Arvilla (s4747)	s4769	Heimdal-Fram-Emrick (s4769)	s4801	Bearden-Antler (s4801)
s4728	Glyndon (s4728)	s4749	Lohnes-Claire (s4749)	s4770	Heimdal-Esmond-Emrick (s4770)	s4811	Zahl-Zahill-Williams-Cabbart-Cabba
s4729	Tiffany-Hecla-Glyndon-Embsen (s4729)	s4750	Forman-Aastad (s4750)	s4771	Miranda-Larson-Heimdal-Emrick (s4771)	s4818	Rhoades-Heil (s4818)
s4730	Tiffany-Swenoda-Barnes (s4730)	s4751	Buse-Barnes (s4751)	s4779	La Prairie-Fairdale (s4779)	s4819	Wabek-Manning (s4819)
s4731	Towner-Swenoda (s4731)	s4752	Svea-Kloten-Edgeley (s4752)	s4780	Velva-LaDelle-Barnes-Arvilla (s4780)	s4820	Wabek-Ruso (s4820)
s4732	Heimdal-Hecla-Embsen-Egeland (s4732)	s4754	Tonka-Svea-Hamerly-Barnes (s4754)	s4782	Lamoure-La Prairie-Heimdal-Emrick (s4782)	s4825	Trembles-Lohtler-Havrelon (s4825)
s4733	Wyndmere-Hecla-Embsen-Arvilla (s4733)	s4756	Vallers-Svea-Hamerly-Buse-Barnes (s4756)	s4785	Ojata-Bearden (s4785)	s4829	Vebar-Reeder-Cabba-Amor (s4829)
s4736	Ulen-Hecla-Hamar (s4736)	s4758	Svea-Barnes (s4758)	s4786	Williams-Bowbells (s4786)	s6901	Overly-Great Bend-Beotia-Bearden (s6901)
s4737	Towner-Swenoda-Hecla (s4737)	s4759	Svea-Hamerly-Barnes (s4759)	s4787	Zahl-Williams-Vida-Bowbells (s4787)	s8369	Water (s8369)
s4739	Lankin-Gilby-Antler (s4739)	s4760	Svea-Buse-Barnes (s4760)	s4792	Zahl-Williams (s4792)		
s4740	Renshaw-Overly-Lankin-Brantford (s4740)	s4762	Towner-Embsen (s4762)	s4796	Wilton-Williams-Temvik (s4796)		

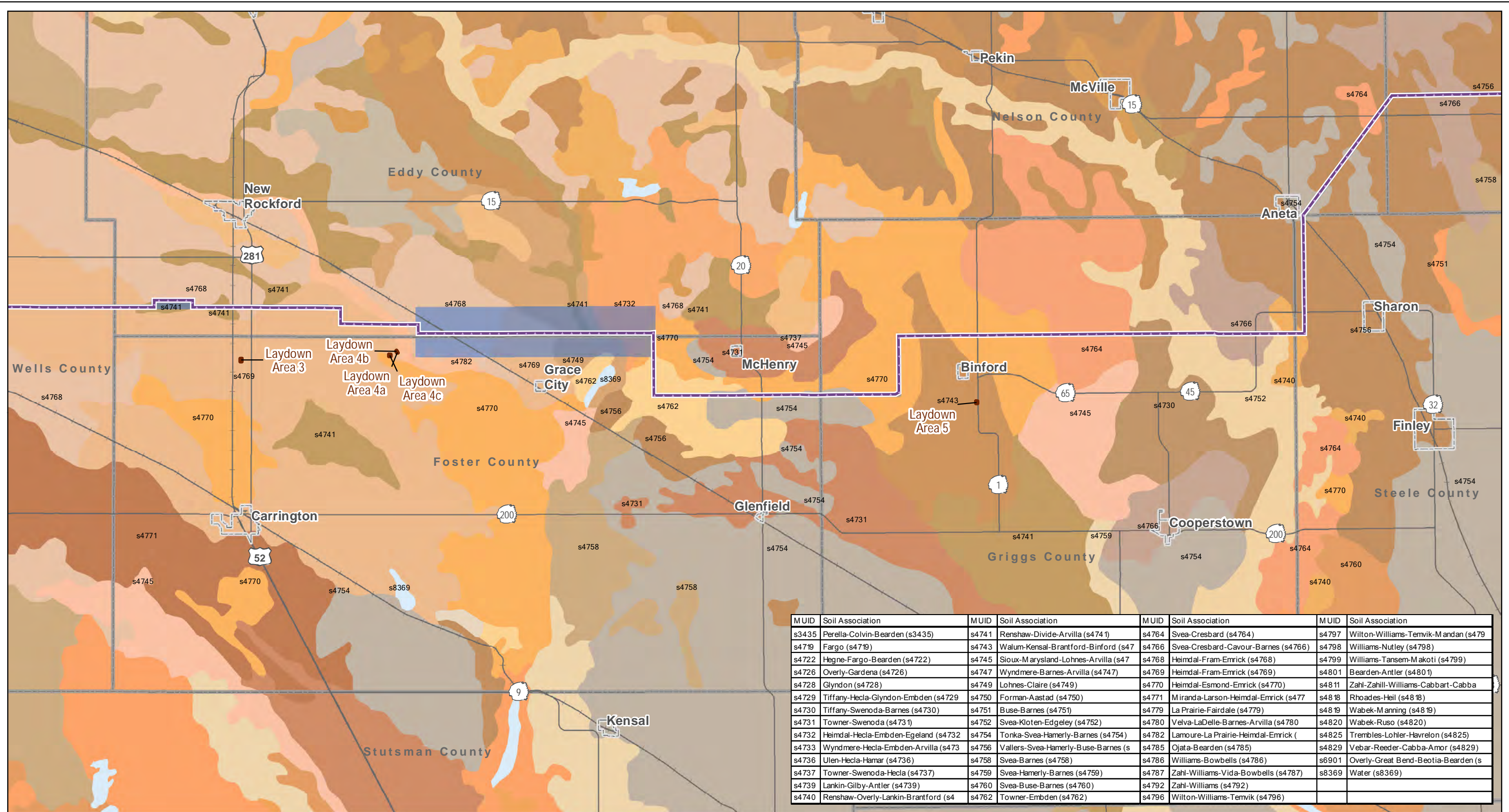


- Project Route
- Proposed Modified Corridor
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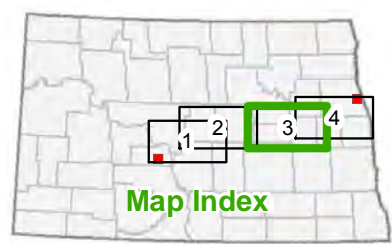
Figure 7: Page 2 of 4
State Soils Association (STATSGO)
Center to Grand Forks Project
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Date: 11/23/2011
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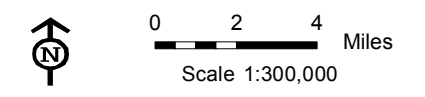


M UID	Soil Association	M UID	Soil Association	M UID	Soil Association	M UID	Soil Association
s3435	Perella-Colvin-Bearden (s3435)	s4741	Renshaw-Divide-Arvilla (s4741)	s4764	Svea-Cresbard (s4764)	s4797	Wilton-Williams-Terwik-Mandan (s4797)
s4719	Fargo (s4719)	s4743	Walum-Kensal-Brantford-Binford (s4743)	s4766	Svea-Cresbard-Cavour-Barnes (s4766)	s4798	Williams-Nutley (s4798)
s4722	Hegne-Fargo-Bearden (s4722)	s4745	Sioux-Marysland-Lohnes-Arvilla (s4745)	s4768	Heimdal-Fram-Emrick (s4768)	s4799	Williams-Tansem-Makoti (s4799)
s4726	Overly-Gardena (s4726)	s4747	Wyndmere-Barnes-Arvilla (s4747)	s4769	Heimdal-Fram-Emrick (s4769)	s4801	Bearden-Antler (s4801)
s4728	Glyndon (s4728)	s4749	Lohnes-Claire (s4749)	s4770	Heimdal-Esmond-Emrick (s4770)	s4811	Zahl-Zahill-Williams-Cabbart-Cabba
s4729	Tiffany-Hecla-Glyndon-Emden (s4729)	s4750	Forman-Aastad (s4750)	s4771	Miranda-Larson-Heimdal-Emrick (s4771)	s4818	Rhodes-Heil (s4818)
s4730	Tiffany-Swenoda-Barnes (s4730)	s4751	Buse-Barnes (s4751)	s4779	La Prairie-Fairdale (s4779)	s4819	Wabek-Manning (s4819)
s4731	Towner-Swenoda (s4731)	s4752	Svea-Kloten-Edgeley (s4752)	s4780	Velva-LaDelle-Barnes-Arvilla (s4780)	s4820	Wabek-Ruso (s4820)
s4732	Heimdal-Hecla-Emden-Egeland (s4732)	s4754	Tonka-Svea-Hamerly-Barnes (s4754)	s4782	Lamoure-La Prairie-Heimdal-Emrick (s4782)	s4825	Trembles-Lohter-Havrelon (s4825)
s4733	Wyndmere-Hecla-Emden-Arvilla (s4733)	s4756	Vallers-Svea-Hamerly-Buse-Barnes (s4756)	s4785	Ojata-Bearden (s4785)	s4829	Vebar-Reeder-Cabba-Amor (s4829)
s4736	Ulen-Hecla-Hamar (s4736)	s4758	Svea-Barnes (s4758)	s4786	Williams-Bowbells (s4786)	s6901	Overly-Great Bend-Beotia-Bearden (s6901)
s4737	Towner-Swenoda-Hecla (s4737)	s4759	Svea-Hamerly-Barnes (s4759)	s4787	Zahl-Williams-Vida-Bowbells (s4787)	s8369	Water (s8369)
s4739	Lankin-Gilby-Antler (s4739)	s4760	Svea-Buse-Barnes (s4760)	s4792	Zahl-Williams (s4792)		
s4740	Renshaw-Overly-Lankin-Brantford (s4740)	s4762	Towner-Emden (s4762)	s4796	Wilton-Williams-Terwik (s4796)		

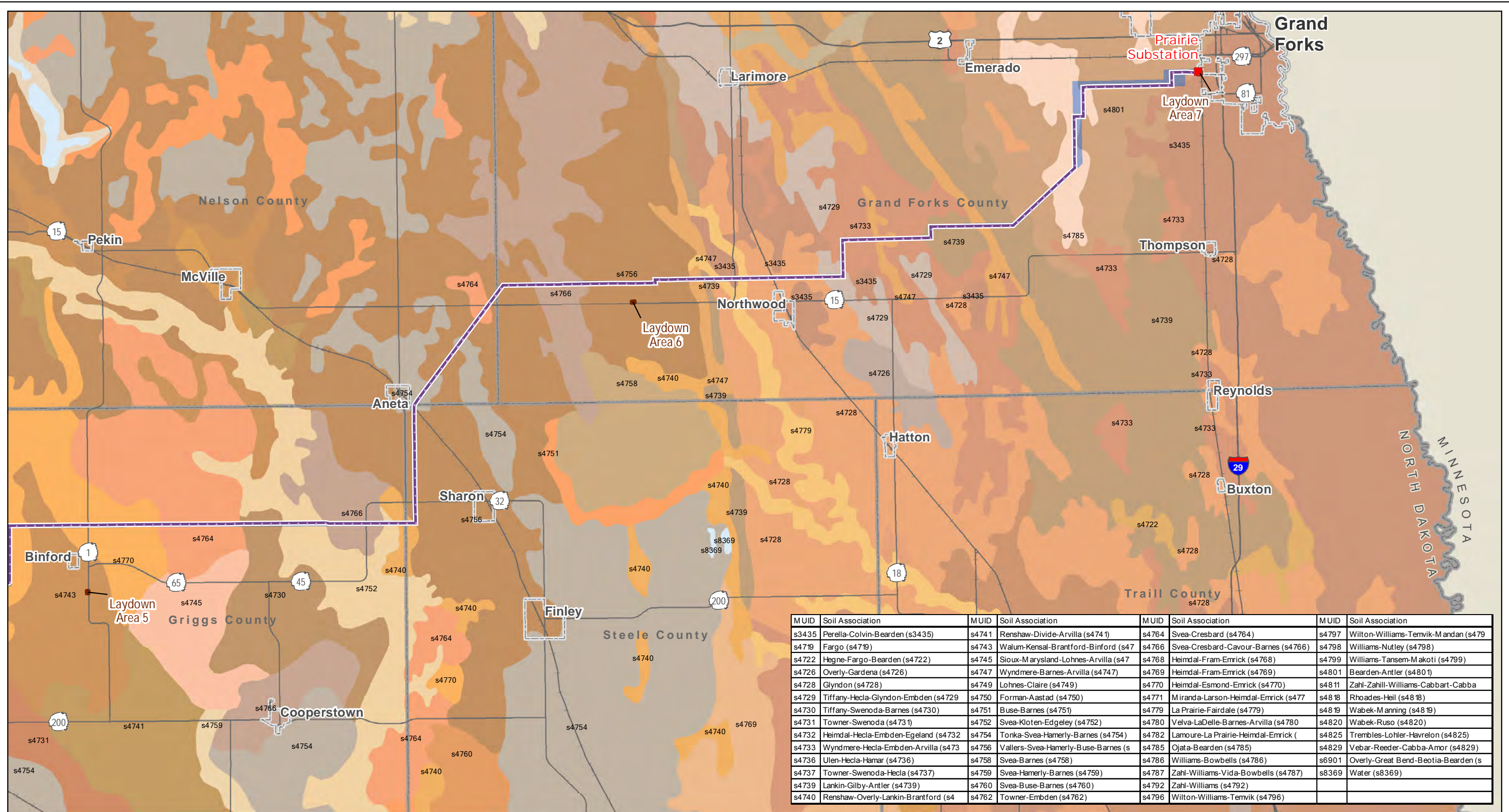


- Project Route
- Proposed Modified Corridor
- November 18, 2011
- Project Substation
- Laydown Area

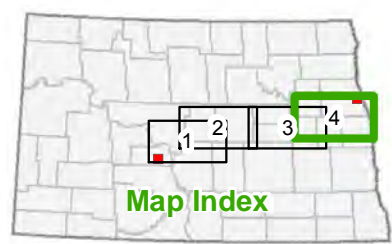
Figure 7: Page 3 of 4
State Soils Association (STATSGO)
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



Date: 11/23/2011
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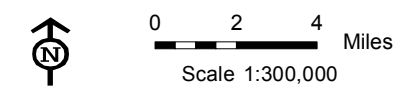


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s4732	Fargo (s4732)	s4743	Walum-Kensal-Brantford-Binford (s4743)	s4766	Svea-Cresbard-Cavour-Barnes (s4766)	s4798	Williams-Nutley (s4798)
s4733	Hegne-Fargo-Bearden (s4733)	s4745	Sioux-Marysland-Lohnes-Arvilla (s4745)	s4768	Heimdal-Fram-Emrick (s4768)	s4799	Williams-Tansum-Makoti (s4799)
s4734	Overly-Gardena (s4734)	s4747	Wyndmere-Barnes-Arvilla (s4747)	s4769	Heimdal-Fram-Emrick (s4769)	s4801	Bearden-Antler (s4801)
s4735	Glyndon (s4735)	s4749	Lohnes-Claire (s4749)	s4770	Heimdal-Esmond-Emrick (s4770)	s4811	Zahl-Zahill-Williams-Cabbart-Cabba
s4736	Tiffany-Hecla-Glyndon-Embsden (s4736)	s4750	Forman-Aastad (s4750)	s4771	Miranda-Larson-Heimdal-Emrick (s4771)	s4818	Rhoades-Heil (s4818)
s4737	Tiffany-Swenoda-Barnes (s4737)	s4751	Buse-Barnes (s4751)	s4779	La Prairie-Fairdale (s4779)	s4819	Wabek-Manning (s4819)
s4738	Towner-Swenoda (s4738)	s4752	Svea-Kloten-Edgeley (s4752)	s4780	Velva-LaDelle-Barnes-Arvilla (s4780)	s4820	Wabek-Ruso (s4820)
s4739	Heimdal-Hecla-Embsden-Egeland (s4739)	s4754	Tonka-Svea-Hamerly-Barnes (s4754)	s4782	Lamoure-La Prairie-Heimdal-Emrick (s4782)	s4825	Trembles-Lohter-Havrelon (s4825)
s4740	Ulen-Hecla-Hamar (s4740)	s4756	Vallers-Svea-Hamerly-Buse-Barnes (s4756)	s4785	Ojata-Bearden (s4785)	s4829	Vebar-Reeder-Cabba-Amor (s4829)
s4741	Towner-Swenoda-Hecla (s4741)	s4758	Svea-Barnes (s4758)	s4786	Williams-Bowbells (s4786)	s6901	Overly-Great Bend-Beotia-Bearden (s6901)
s4742	Lankin-Gilby-Antler (s4742)	s4759	Svea-Hamerly-Barnes (s4759)	s4787	Zahl-Williams-Vida-Bowbells (s4787)	s8369	Water (s8369)
s4743	Renshaw-Overly-Lankin-Brantford (s4743)	s4760	Svea-Buse-Barnes (s4760)	s4792	Zahl-Williams (s4792)		
		s4762	Towner-Embsden (s4762)	s4796	Wilton-Williams-Temvik (s4796)		

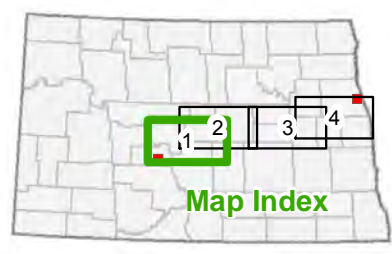
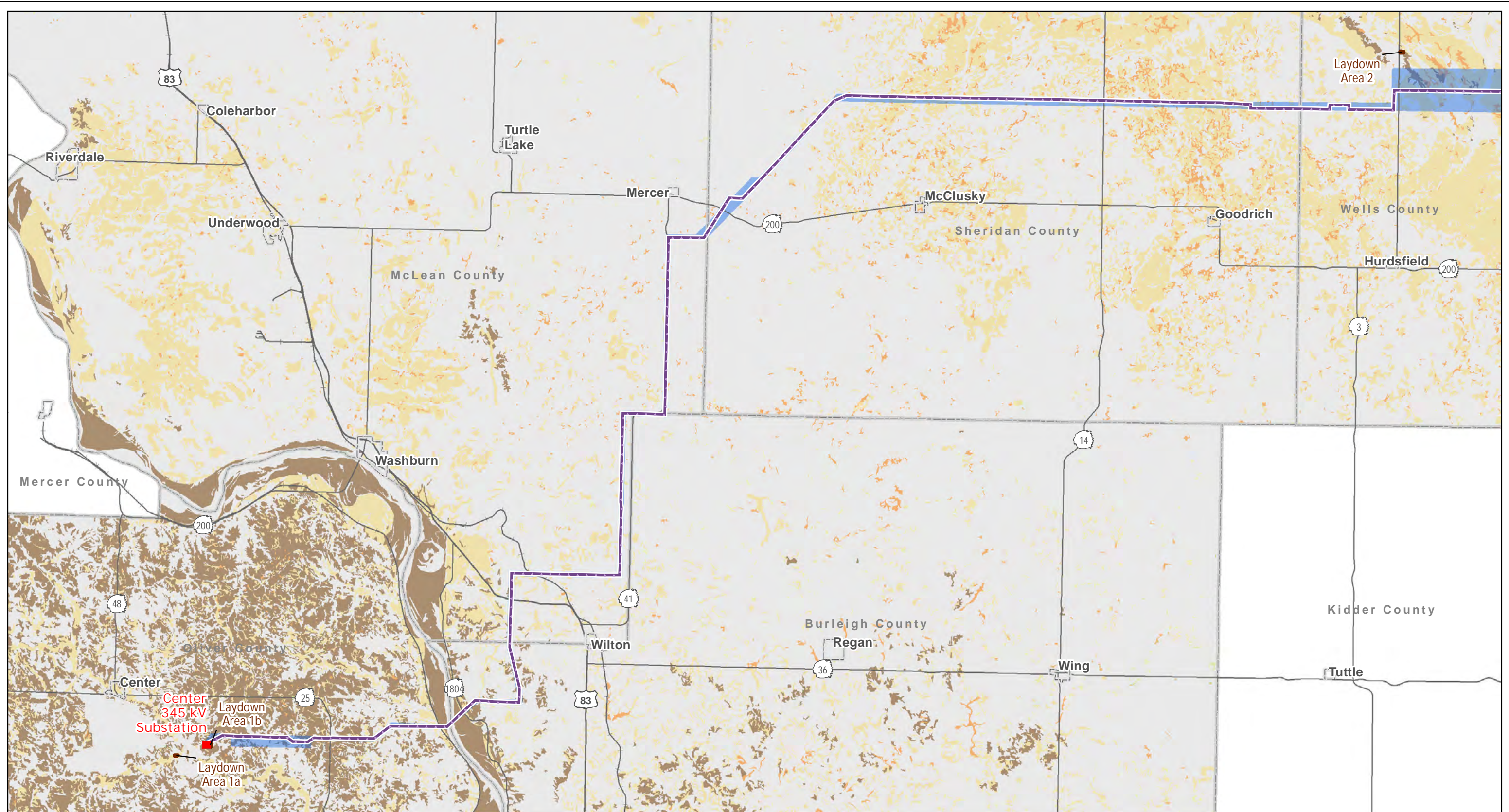


- Project Route
- Proposed Modified Corridor - November 18, 2011
- Project Substation
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Figure 7: Page 4 of 4
 State Soils Association (STATSGO)
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

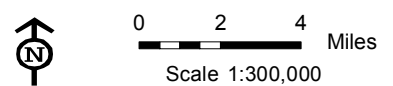


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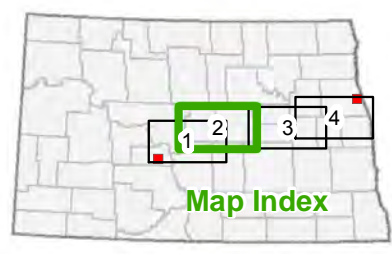
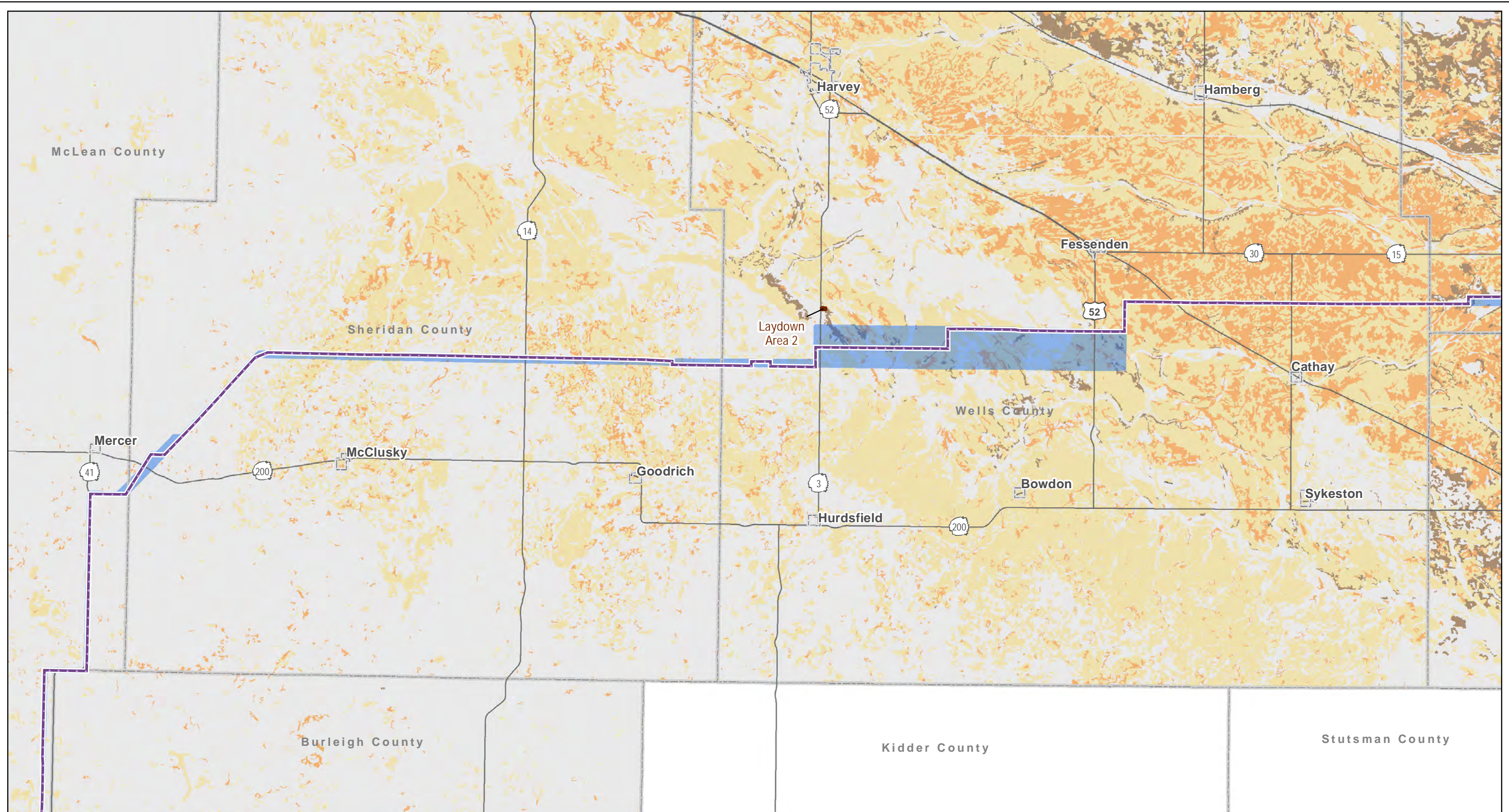


- Project Substation
- Laydown Area
- Project Route
- Proposed Modified Corridor - November 18, 2011
- SSURGO Prime Farmland
 - Prime Farmland
 - Prime Farmland if Drained
- Farmland of Statewide Importance
- Not Prime Farmland

Figure 8: Page 1 of 4
Prime Farmland and Soil Distribution (SSURGO)
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

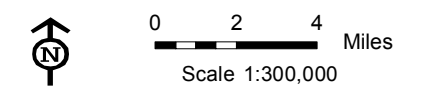


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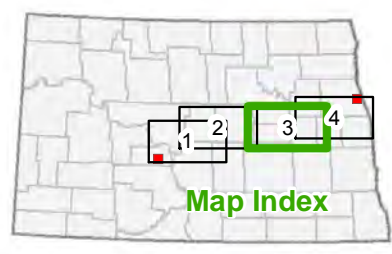


- Project Substation
- Laydown Area
- Project Route
- Proposed Modified Corridor - November 18, 2011
- SSURGO Prime Farmland
 - Prime Farmland
 - Prime Farmland if Drained
- Farmland of Statewide Importance
- Not Prime Farmland

Figure 8: Page 2 of 4
Prime Farmland and Soil Distribution (SSURGO)
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

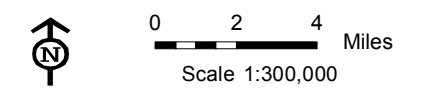


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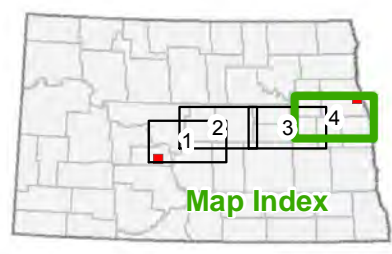
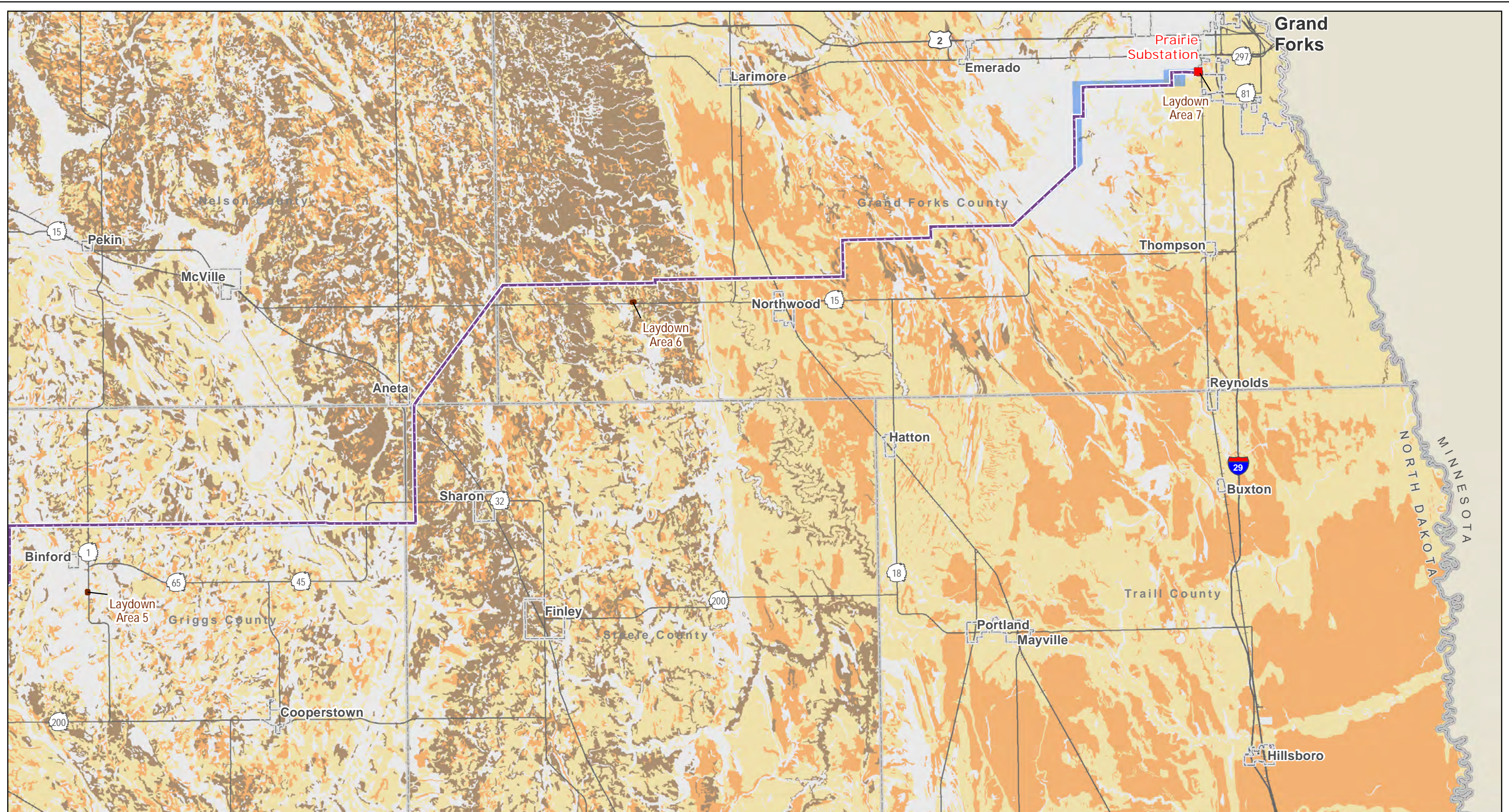


- Project Substation
- Laydown Area
- Project Route
- Proposed Modified Corridor - November 18, 2011
- SSURGO Prime Farmland
 - Prime Farmland
 - Prime Farmland if Drained
- Farmland of Statewide Importance
- Not Prime Farmland

Figure 8: Page 3 of 4
Prime Farmland and Soil Distribution (SSURGO)
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

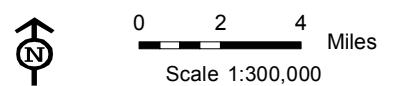


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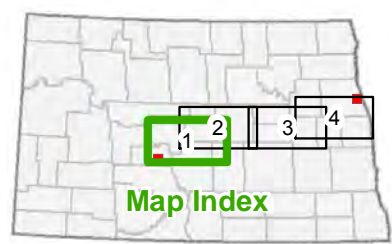
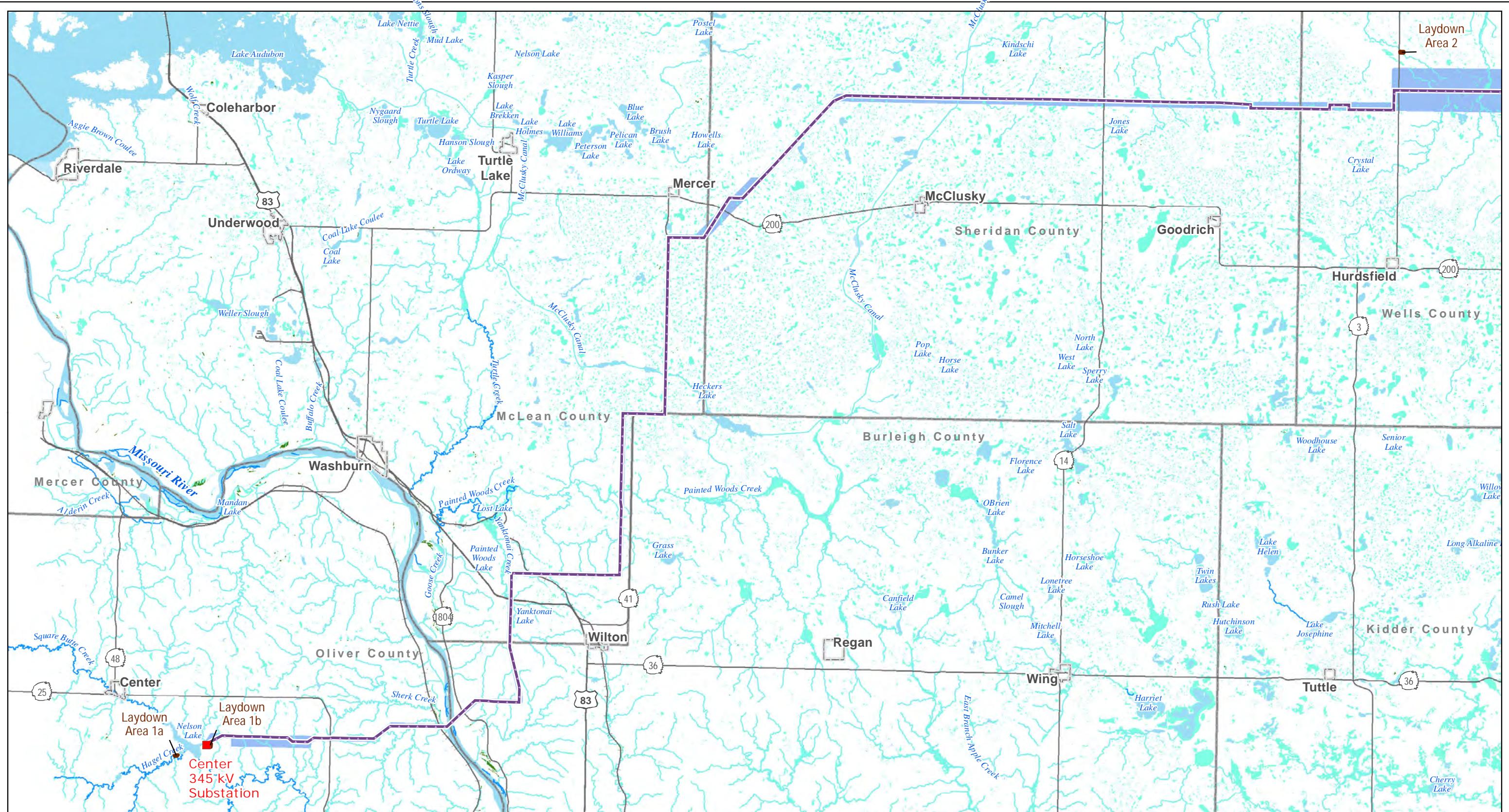


- Project Substation
- Laydown Area
- Project Route
- Proposed Modified Corridor
– November 18, 2011
- SSURGO Prime Farmland
- Prime Farmland
- Prime Farmland if Drained
- Farmland of Statewide Importance
- Not Prime Farmland

Figure 8: Page 4 of 4
 Prime Farmland and Soil Distribution (SSURGO)
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



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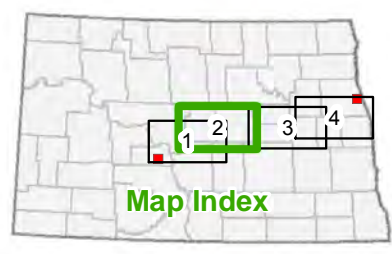
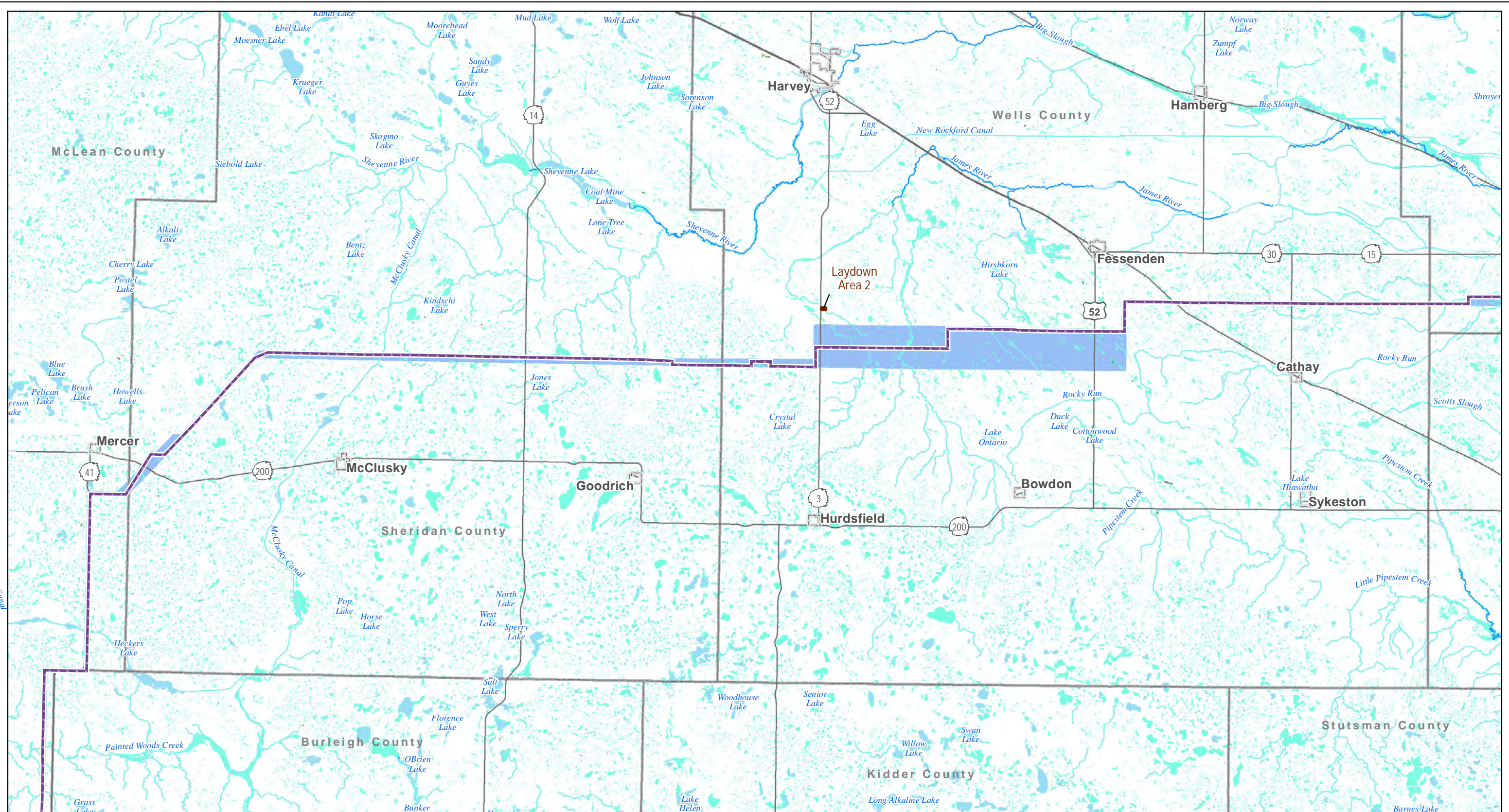


- Project Route
- Proposed Modified Corridor – November 18, 2011
- Project Substation
- Laydown Area
- USGS Mapped Waterways
- Perennial River or Stream
- Intermittent Stream, Ditch or Canal
- NWI Wetlands
- Lake, Pond or River
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

Figure 9: Page 1 of 4
 Surface Waters and Wetlands
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.

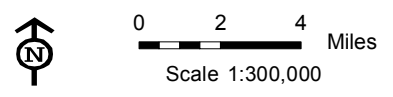
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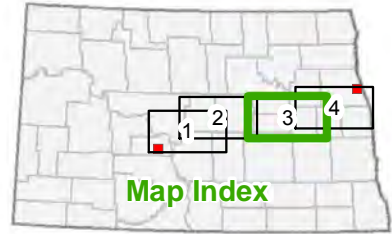
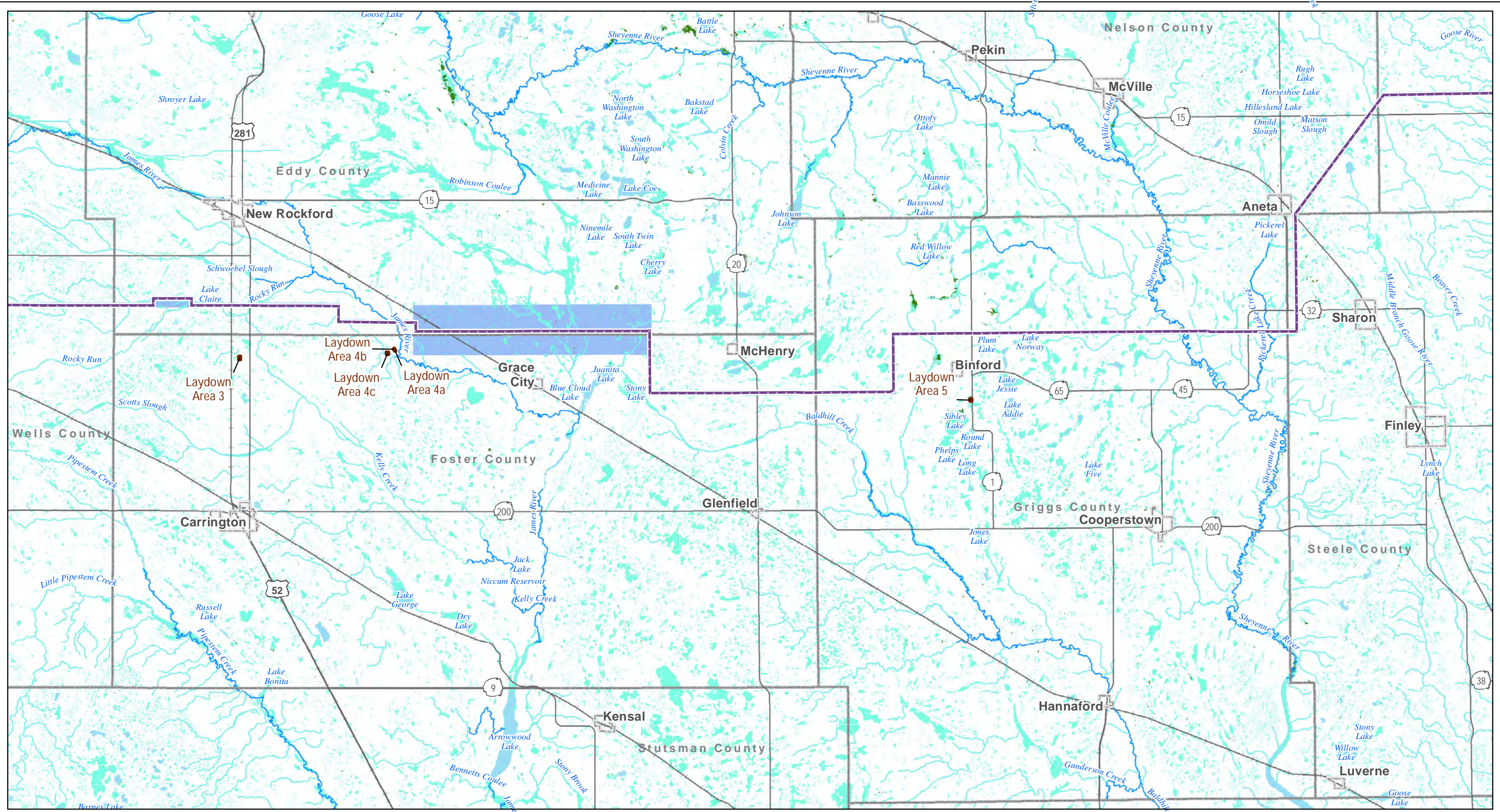


- Project Route
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area
- USGS Mapped Waterways
 - Perennial River or Stream
 - Intermittent Stream, Ditch or Canal
- NWI Wetlands
 - Lake, Pond or River
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland

Figure 9: Page 2 of 4
Surface Waters and Wetlands
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



Date: 11/23/2011
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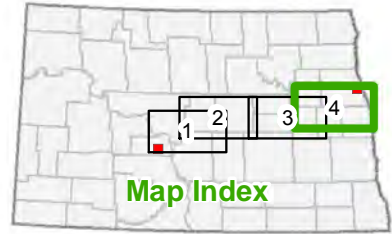
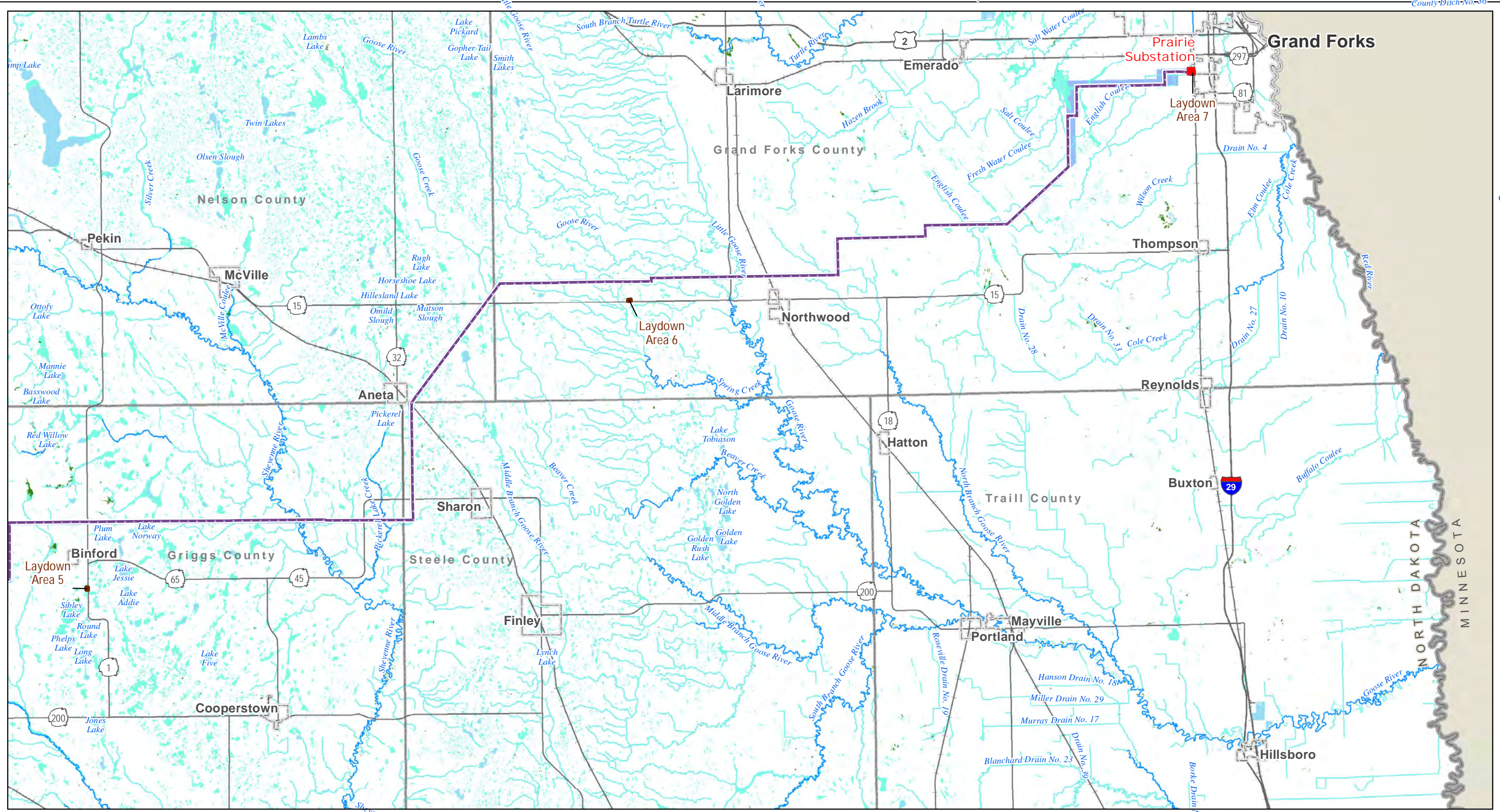


- Project Route
- Proposed Modified Corridor – November 18, 2011
- Project Substation
- Laydown Area
- USGS Mapped Waterways
 - Perennial River or Stream
 - Intermittent Stream, Ditch or Canal
- NWI Wetlands
 - Lake, Pond or River
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland

Figure 9: Page 3 of 4
Surface Waters and Wetlands
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

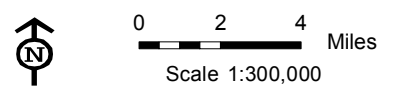
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Scale 1:300,000

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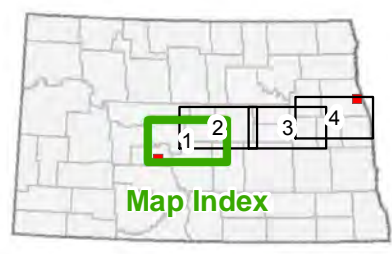
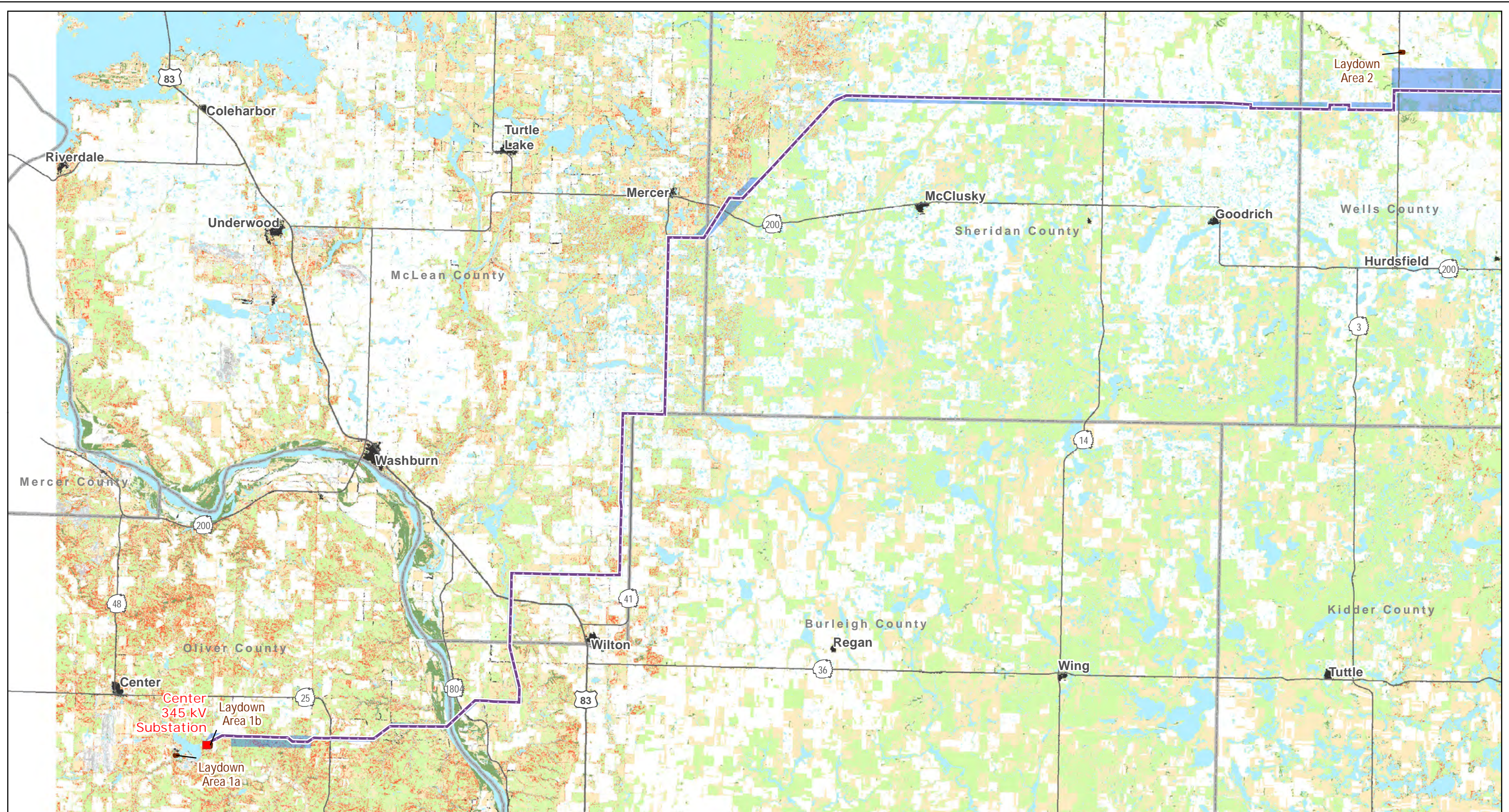


- Project Route
- Proposed Modified Corridor – November 18, 2011
- Project Substation
- Laydown Area
- USGS Mapped Waterways
- Perennial River or Stream
- Intermittent Stream, Ditch or Canal
- Lake, Pond or River
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

Figure 9: Page 4 of 4
 Surface Waters and Wetlands
 Center to Grand Forks Project
 Minnkota Power Cooperative, Inc.



Date: 11/23/2011
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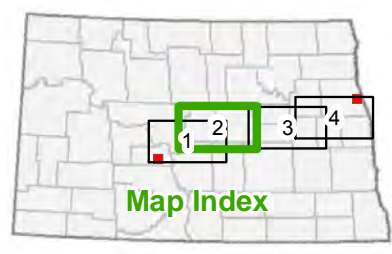
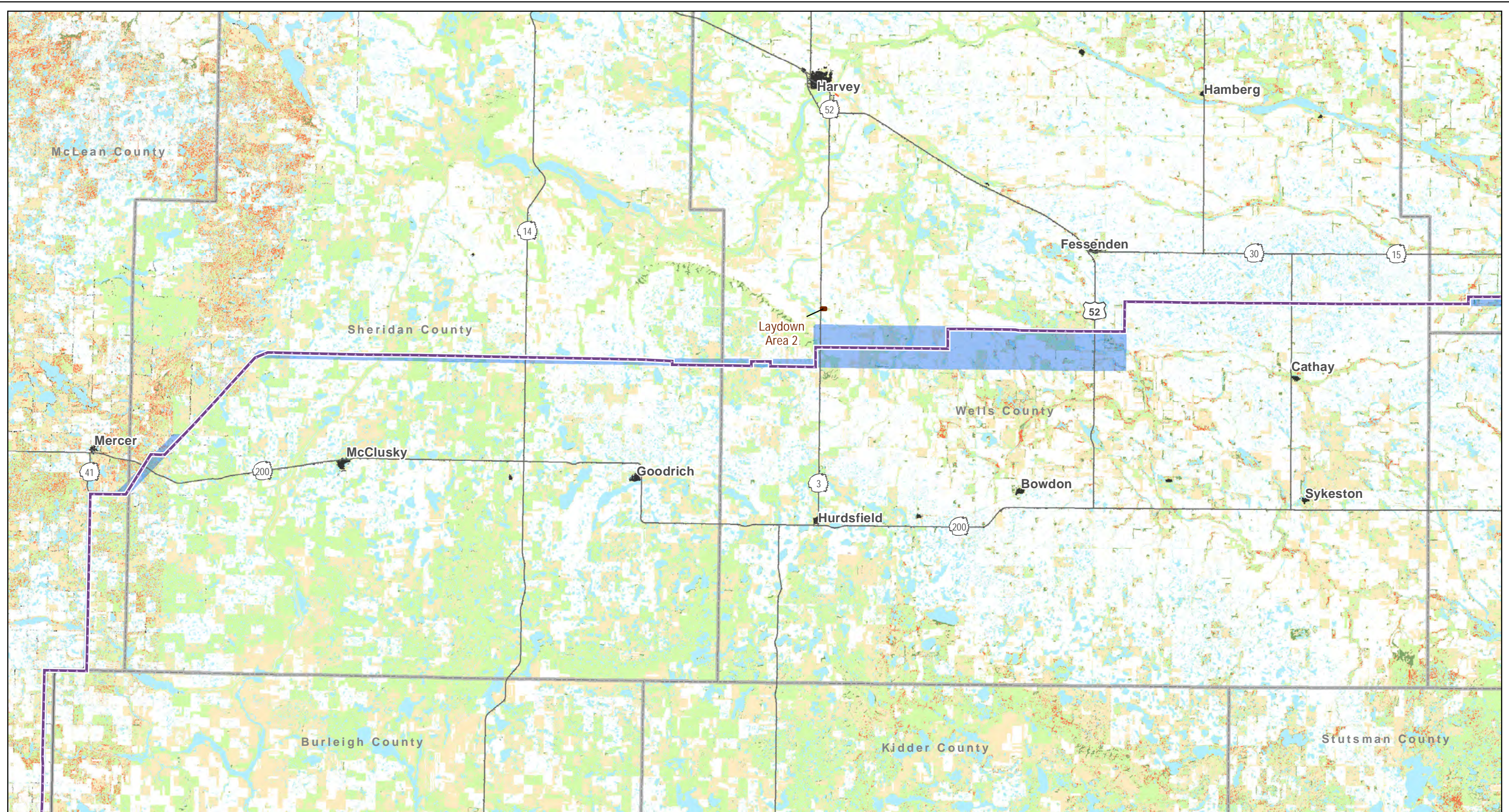


- Project Route
 - Proposed Modified Corridor - November 18, 2011
 - Project Substation
 - Laydown Area
- 2004 GAP Land Cover
- Barren/Sparse Vegetation
 - Cropland
 - Developed
 - Pasture
 - Prairie
 - Shrubland
 - Wetland
 - Woodland

Figure 10: Page 1 of 4
Land Cover
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

0 2 4 Miles
Scale 1:300,000

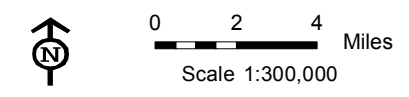
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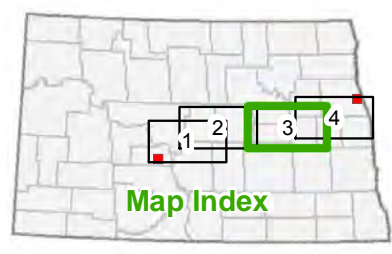
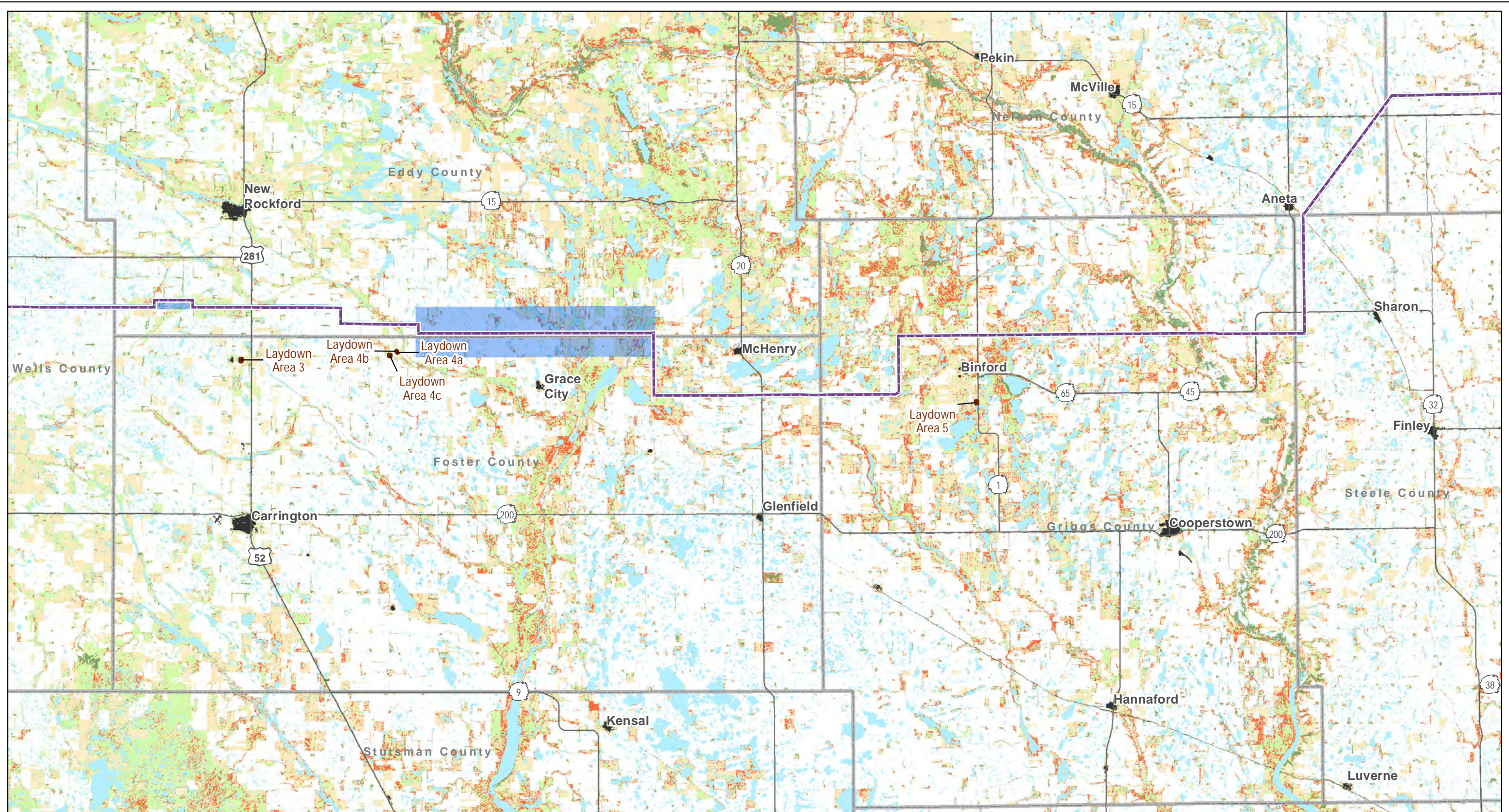
- Project Route
- Proposed Modified Corridor – November 18, 2011
- Project Substation
- Laydown Area

- 2004 GAP Land Cover
- Barren/Sparse Vegetation
 - Cropland
 - Developed
 - Pasture
 - Prairie
 - Shrubland
 - Wetland
 - Woodland

Figure 10: Page 2 of 4
Land Cover
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



Date: 11/23/2011
Path: \\mspe-gis\file\GIS\Projects\Minnkota\110900\map_docs\PS\CGRoute\Map\CGRPA_10_11x7L_4pp_LandCover.mxd

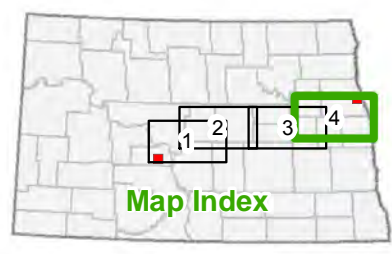
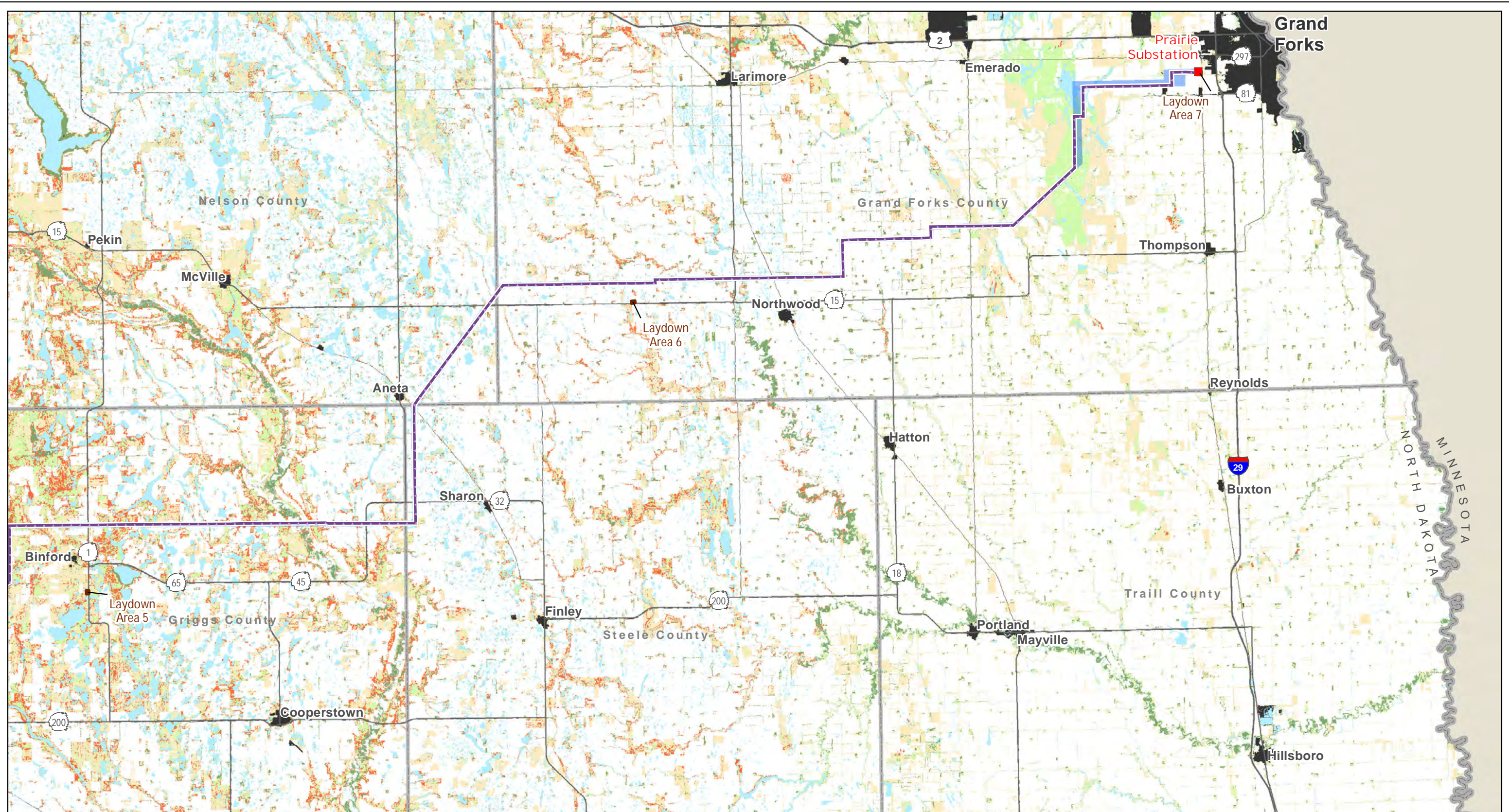


- Project Route
 - Proposed Modified Corridor - November 18, 2011
 - Project Substation
 - Laydown Area
- 2004 GAP Land Cover
- Barren/Sparse Vegetation
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Figure 10: Page 3 of 4
Land Cover
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

0 2 4 Miles
Scale 1:300,000

Date: 11/23/2011
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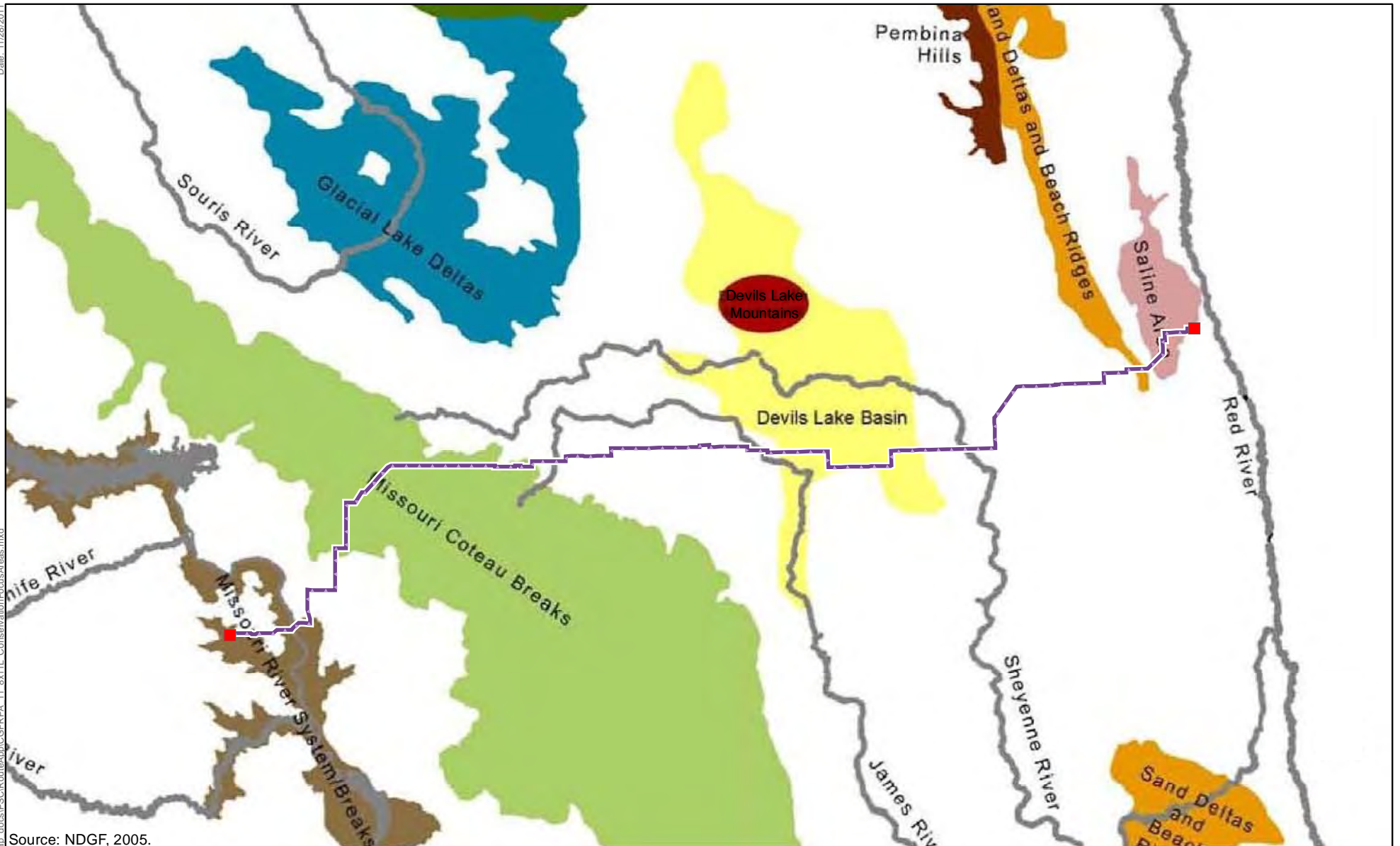
- Project Route
- Proposed Modified Corridor - November 18, 2011
- Project Substation
- Laydown Area

- 2004 GAP Land Cover
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 - Cropland
 - Developed
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 - Prairie
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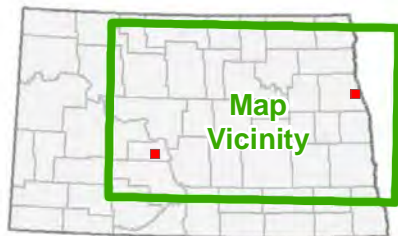
Figure 10: Page 4 of 4
Land Cover
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

0 2 4 Miles
Scale 1:300,000

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Source: NDGF, 2005.



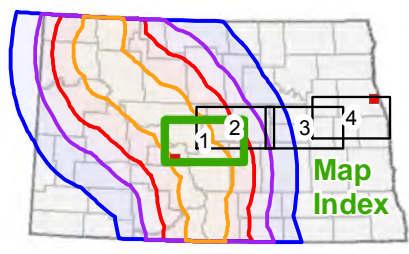
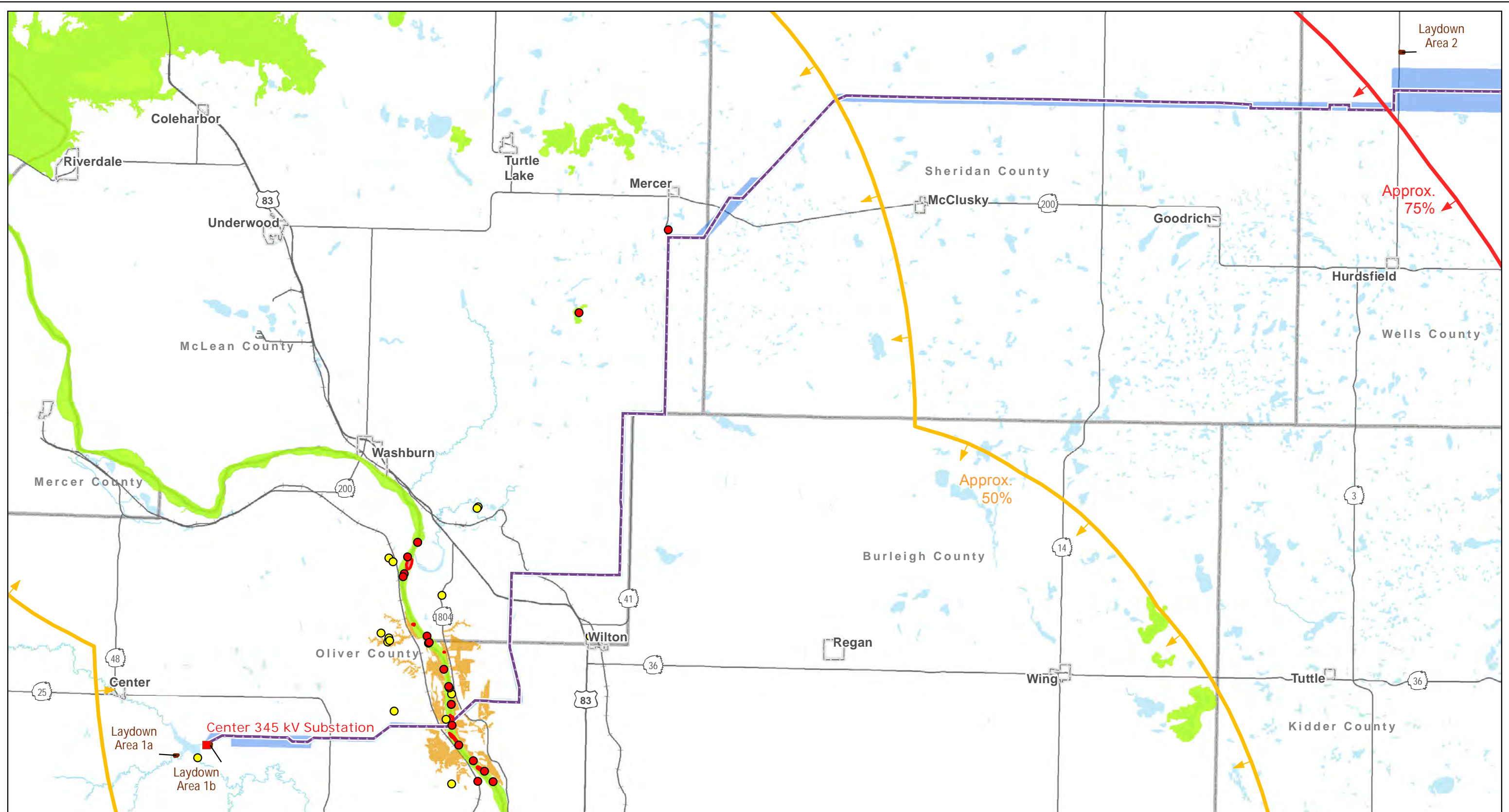
- Project Route
- Project Substation

Figure 11
North Dakota Conservation Focus Areas
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.



0 10 20 Miles
Scale 1:1,700,000

Date: 11/23/2011
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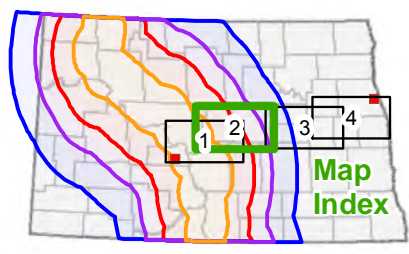
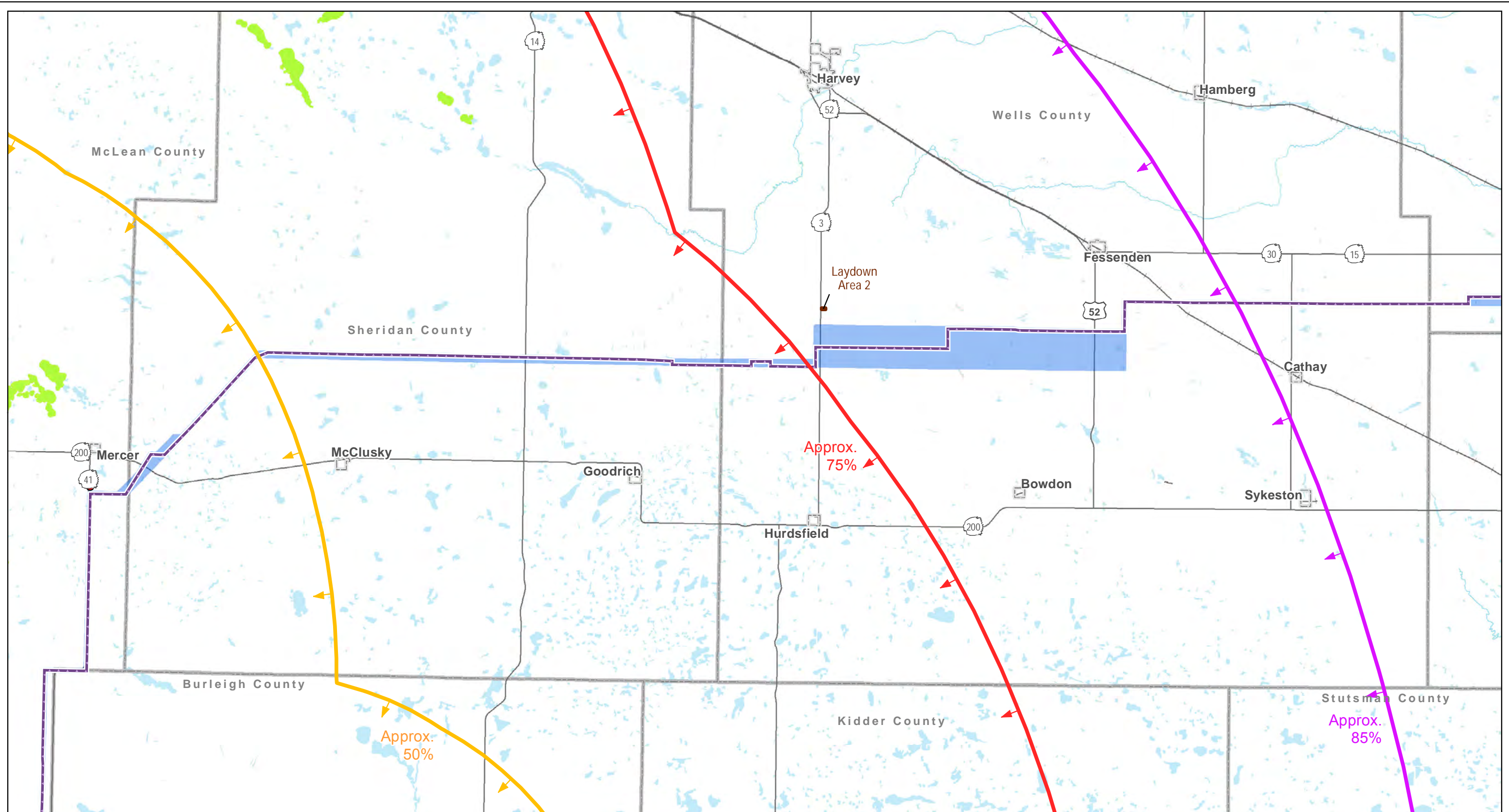


- Sensitive information has been redacted from this Figure.*
- Project Route
 - Proposed Modified Corridor – November 18, 2011
 - Project Substation
 - Laydown Area
 - Federally Threatened or Endangered Species
 - NHI Species of Concern
 - Threatened or Endangered Species
 - Impaired or Vulnerable Terrestrial Community
 - Piping Plover Critical Habitat
 - Whooping Crane Sighting Corridor
 - Approx. 50%
 - Approx. 75%
 - Approx. 85%
 - Approx. 95%

Figure 12: Page 1 of 4
Sensitive Natural Resources
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

0 2 4 Miles
Scale 1:300,000

Date: 11/23/2014
Path: \\mspe-sie-file\GIS\Proj\Minnkota\110900\map_docs\PS\CGRoute\Map\CGFRPA_12_11x7L_4pp_SensitiveNatRes.mxd

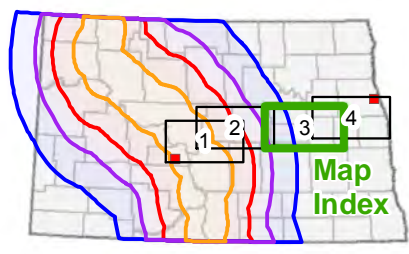
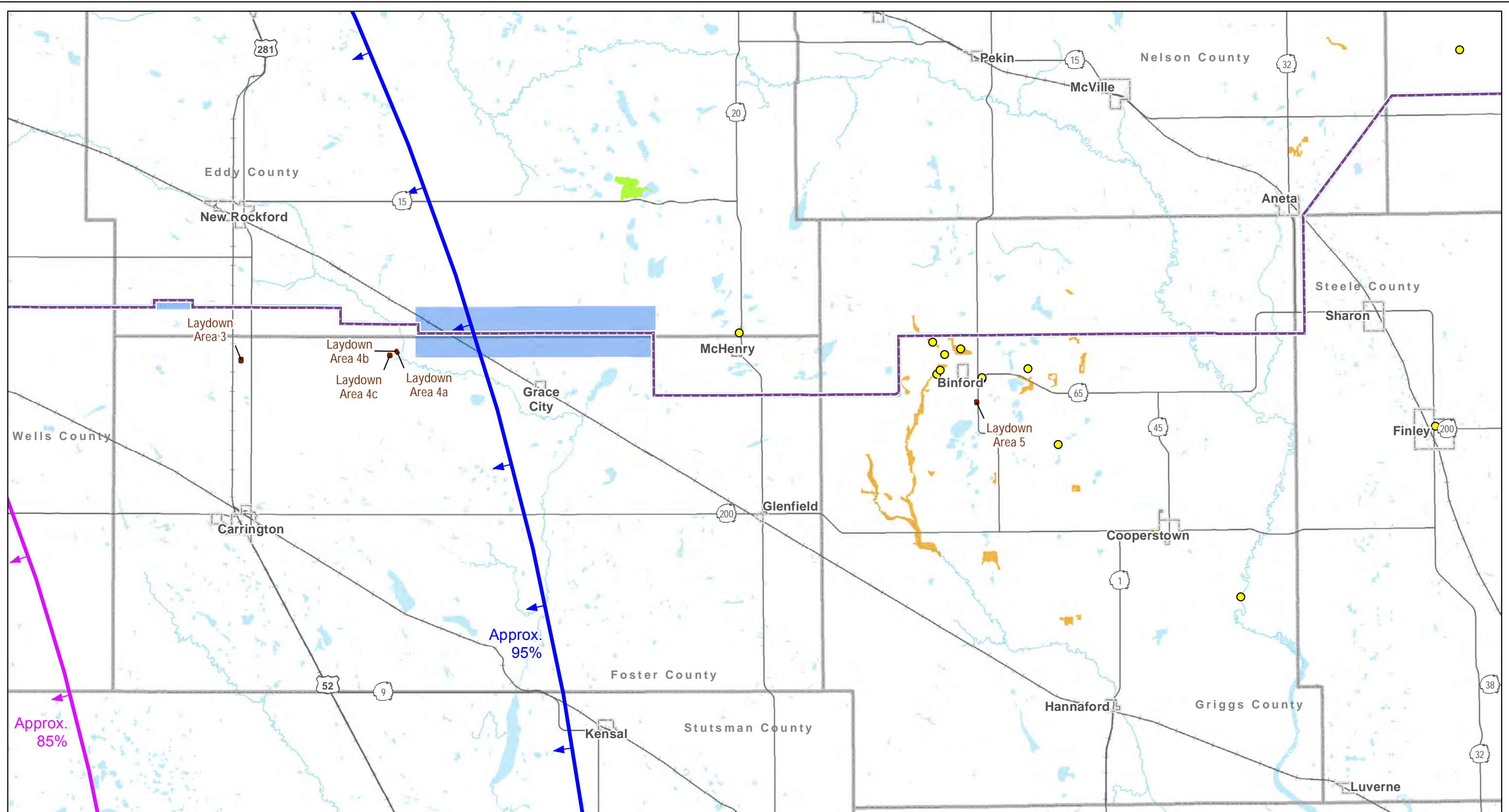


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Figure 12: Page 2 of 4
Sensitive Natural Resources
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

0 2 4 Miles
Scale 1:300,000

Date: 11/23/2014
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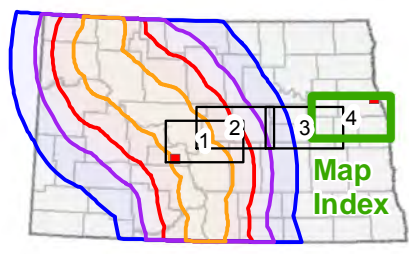
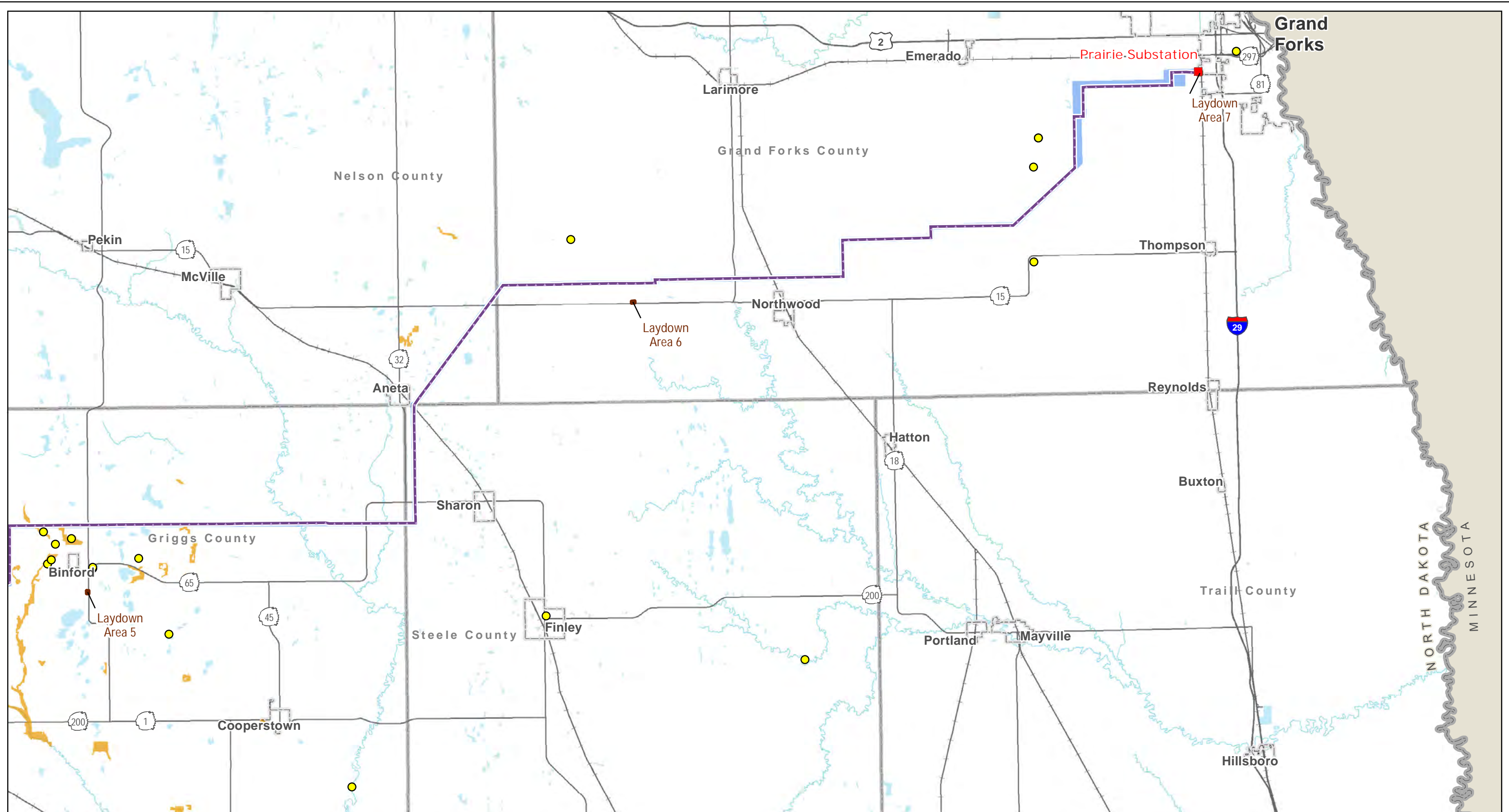


- Sensitive information has been redacted from this Figure.*
- Project Route
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 - Threatened or Endangered Species
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 - Piping Plover Critical Habitat
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 - Approx. 75%
 - Approx. 85%
 - Approx. 95%

Figure 12: Page 3 of 4
Sensitive Natural Resources
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

0 2 4 Miles
Scale 1:300,000

Date: 11/23/2014
Path: \\mspe-gis-file\GIS\Proj\Minnkota\110900\map_docs\PS\CGRouteApr\CGFRPA_12_11x17L_4pp_SensitiveNatRes.mxd



- Project Route
- Proposed Modified Corridor – November 18, 2011
- Project Substation
- Laydown Area
- Federally Threatened or Endangered Species
- NHI Species of Concern
- ⊗ Threatened or Endangered Species
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Sensitive information has been redacted from this Figure.

Figure 12: Page 4 of 4
Sensitive Natural Resources
Center to Grand Forks Project
Minnkota Power Cooperative, Inc.

