


- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- ~ Waterbody
- ~ Intermittent Stream
- ~ Perennial Stream
- ~ Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- ~ 2013 Field Delineated Waterbody
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- ~ 2015 Field Delineated Waterbody
- ~ 2016 Field Delineated Waterbody
- ~ 2017 Field Delineated Waterbody
- ~ 2018 Field Delineated Waterbody
- 2013 Wetland**
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- 2014 Wetland**
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- 2015 Wetland**
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- 2016 Wetland**
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- PUB
- 2017 Wetland**
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- PSS
- PUB
- 2018 Wetland**
- PEM
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- PSS
- PUB

Appendix F
Exhibit F 7-1

Enbridge

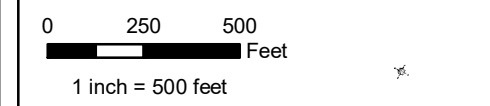
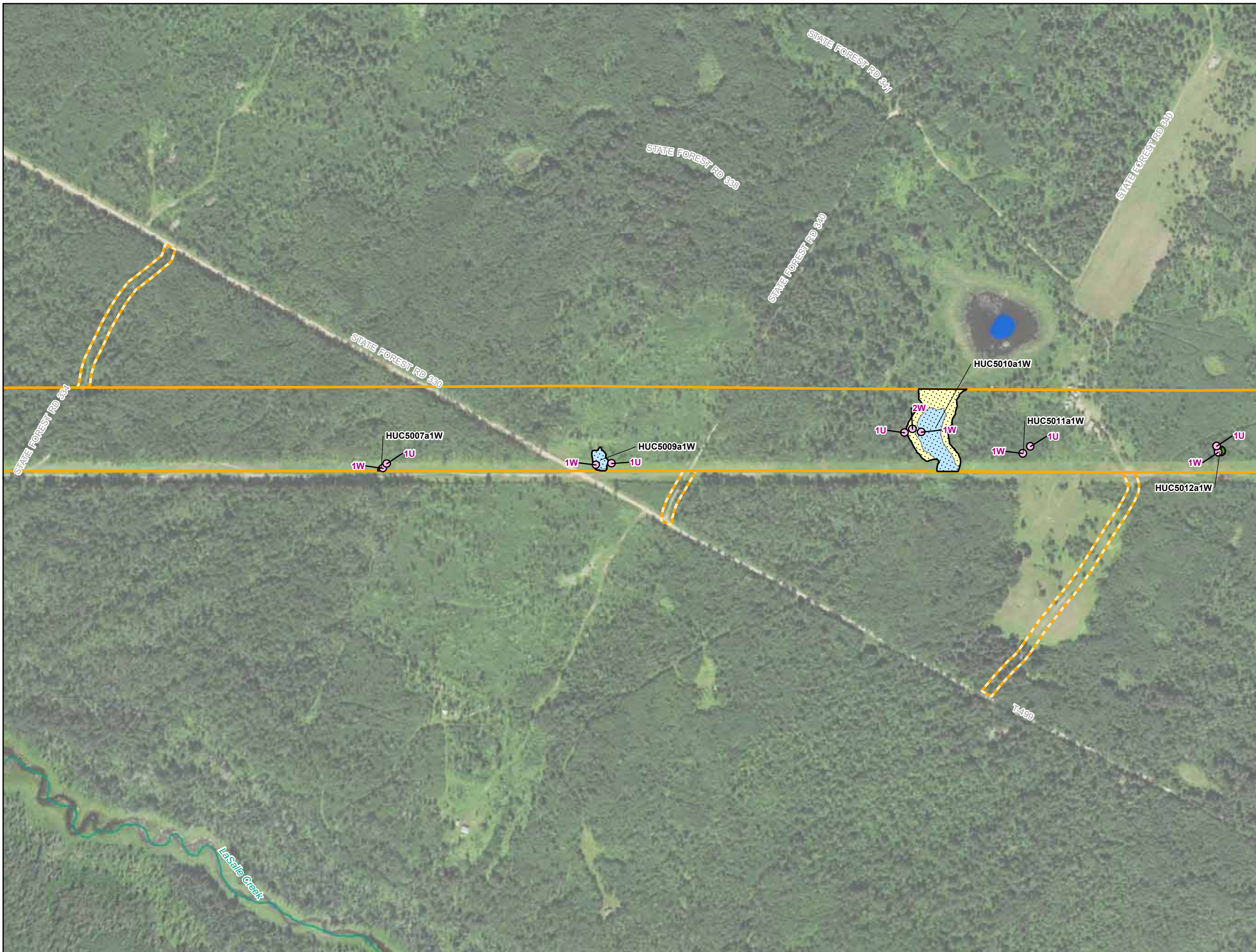
Field Collected Wetlands and Waterbodies

Hubbard County, Minnesota



For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
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- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- 2014 Wetland**
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- 2016 Wetland**
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- PUB
- 2017 Wetland**
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- 2018 Wetland**
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- PUB

**Appendix F
Exhibit F 7-2**

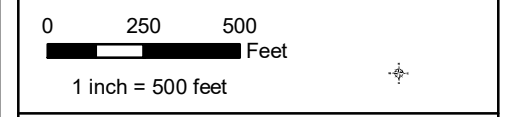
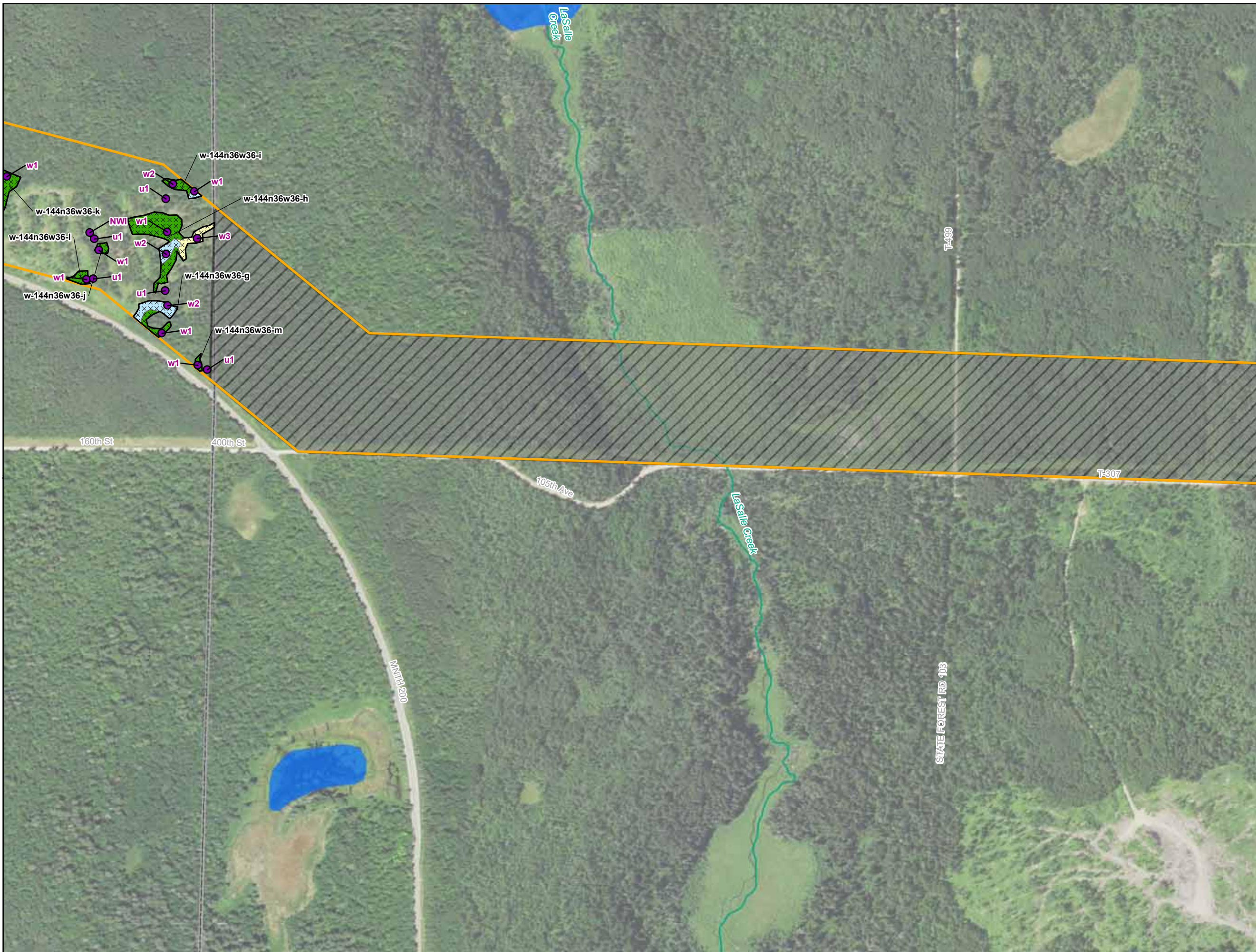
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180831\Wetland_Waterbody_WB_AppendixF_Min.mxd



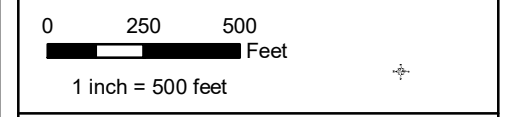
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- Field Survey Not Required
- National Hydrography Dataset**
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
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- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- PUB
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- 2017 Wetland**
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- PSS
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- 2018 Wetland**
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**Appendix F
Exhibit F 7-3**

Enbridge
Field Collected Wetlands and Waterbodies
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310M\T3CR_Wetland_WB_AppendixF_WB.mxd



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- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
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- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- 2016 Wetland**
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- 2017 Wetland**
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**Appendix F
Exhibit F 7-5**

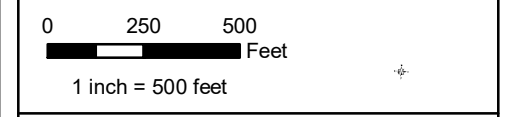
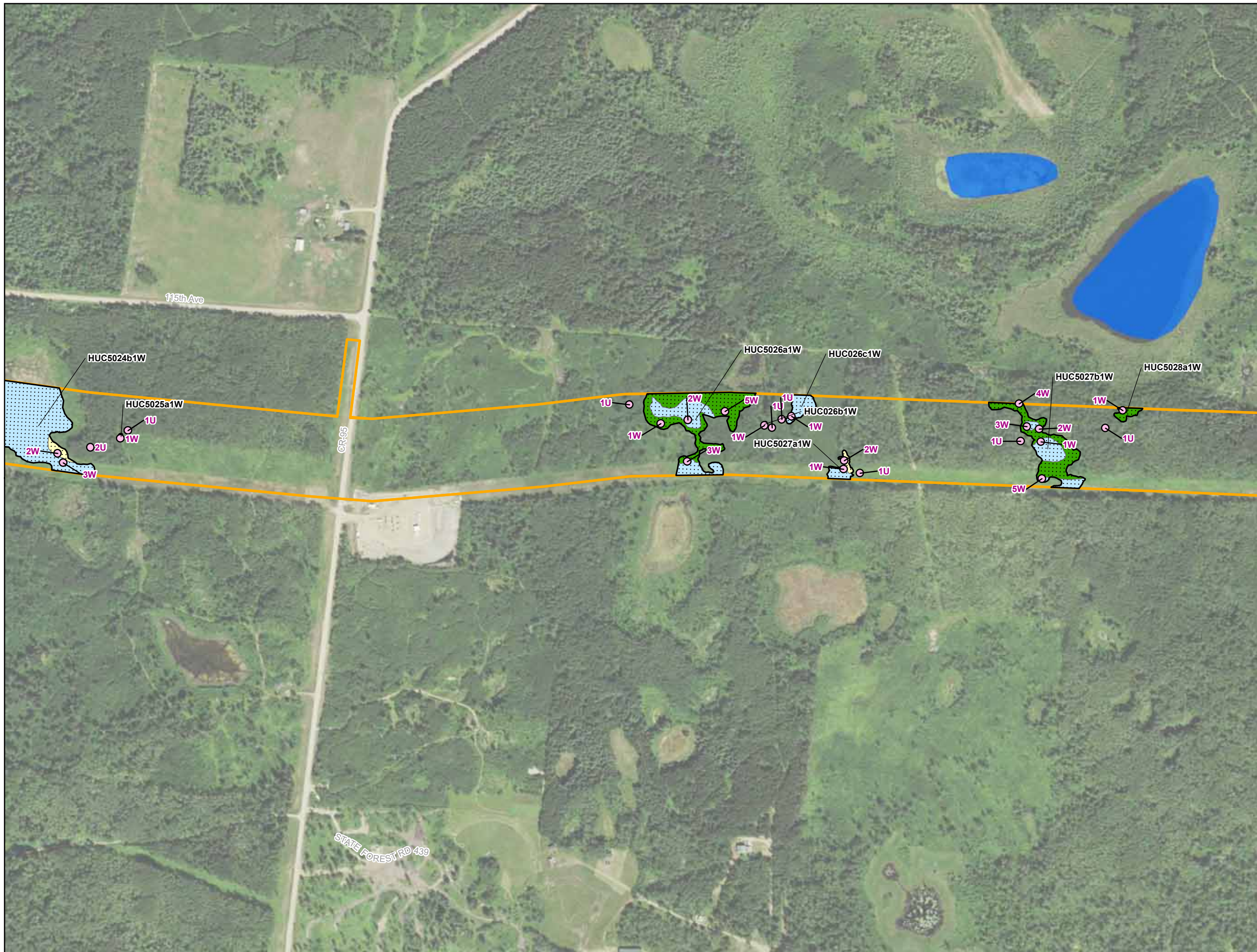
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
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- PUB
- R2U; R4S; R5U; R3U
- L1U
- Field Delineated Features**
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- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
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- 2014 Field Delineated Waterbody
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- 2018 Field Delineated Waterbody
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**Appendix F
Exhibit F 7-6**

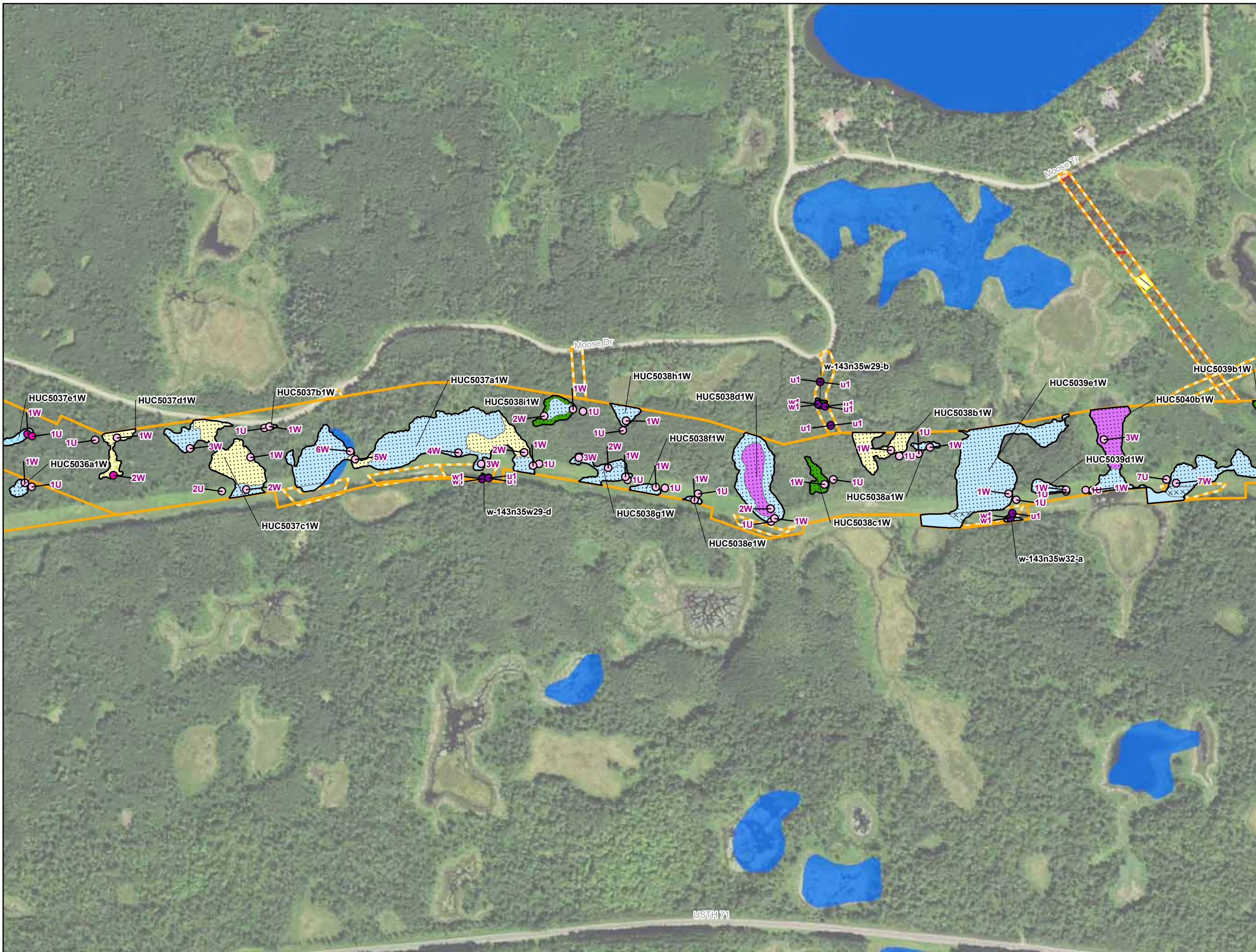
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**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



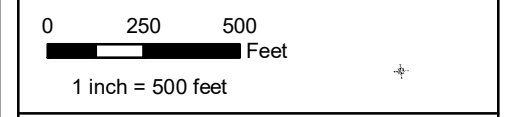
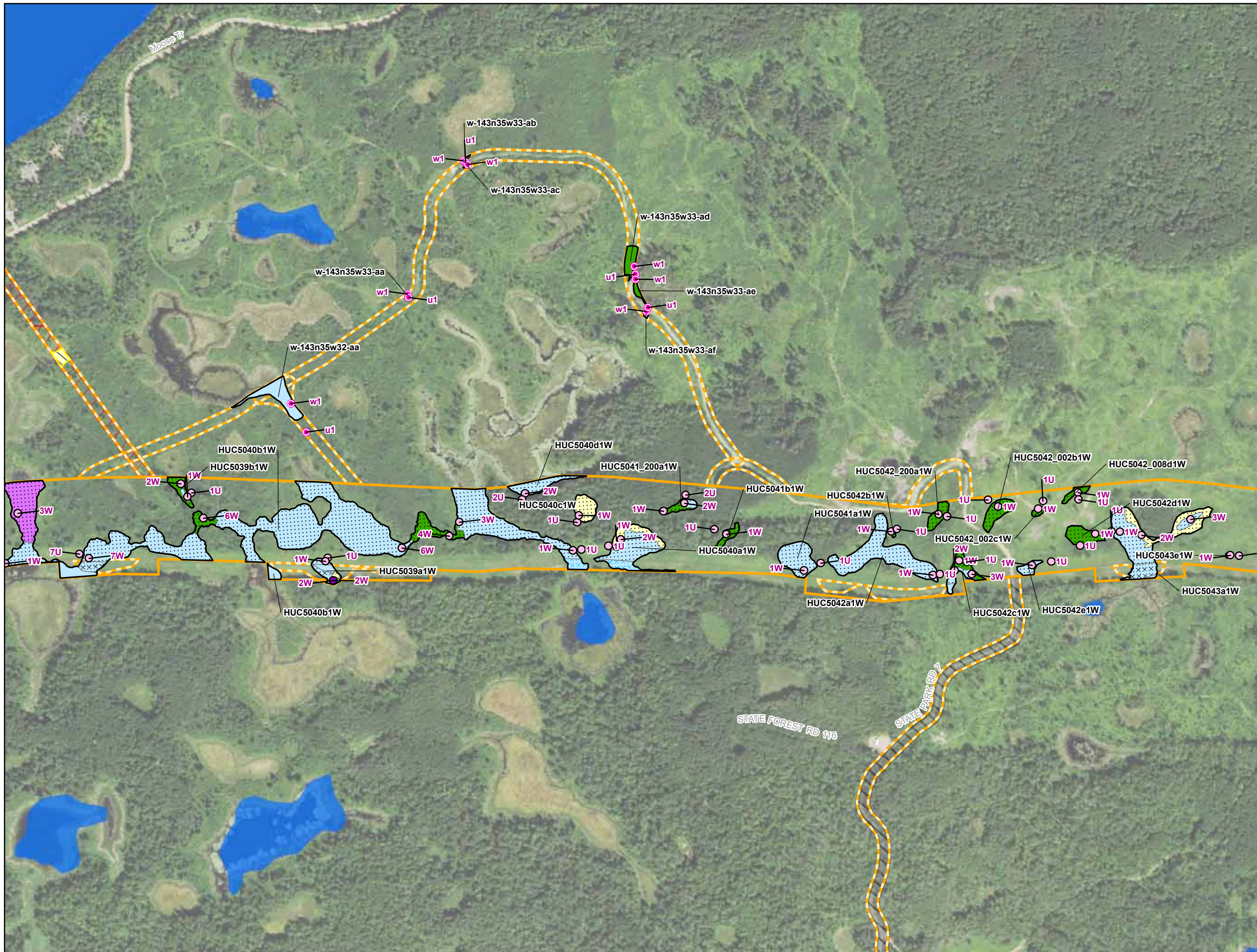
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- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
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- PUB
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- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2018 Sample Point
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- L1UB
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- 2017 Wetland**
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- 2018 Wetland**
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**Appendix F
Exhibit F 7-8**

Enbridge
Field Collected Wetlands and Waterbodies
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_FHE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_01.mxd



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- Field Survey Not Required
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- Canal/Ditch
- NWI Wetland**
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- PSS
- PUB
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- R2U; R4S; R5U; R3U
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- 2017 Sample Point
- 2018 Sample Point
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- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- PUB
- L1UB
- 2014 Wetland**
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- 2015 Wetland**
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- 2016 Wetland**
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- 2017 Wetland**
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- 2018 Wetland**
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- PUB

**Appendix F
Exhibit F 7-9**

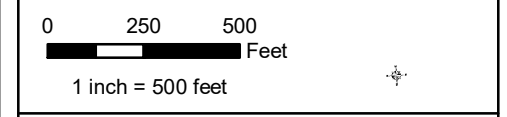
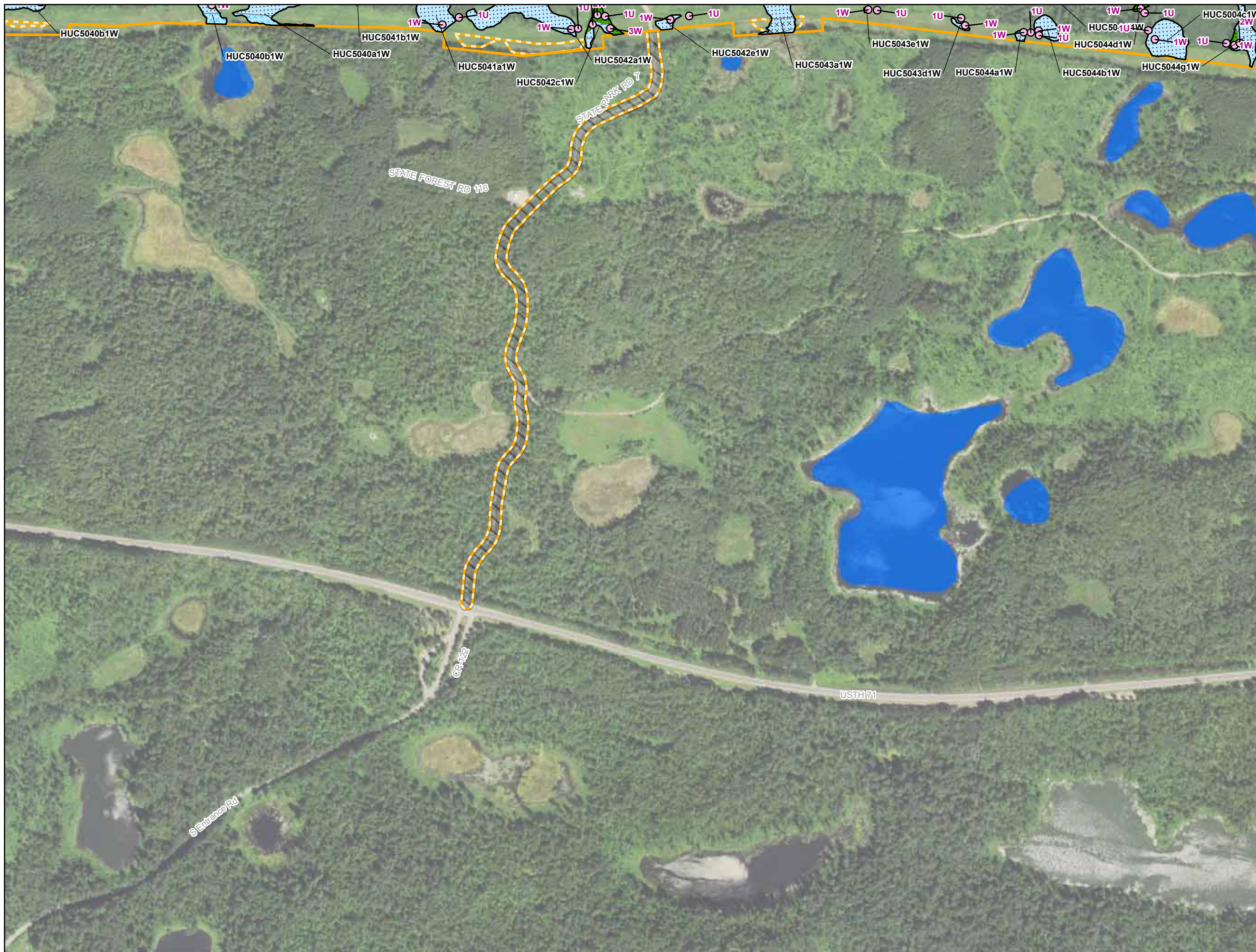
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Field Collected Wetlands and Waterbodies

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Wetland_Waterbody\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland.mxd Date: (9/20/2018)



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- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
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- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
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- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2015 Sample Point
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- 2018 Field Delineated Waterbody
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Appendix F
Exhibit F 7-10

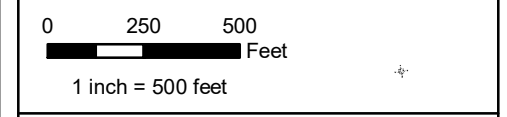
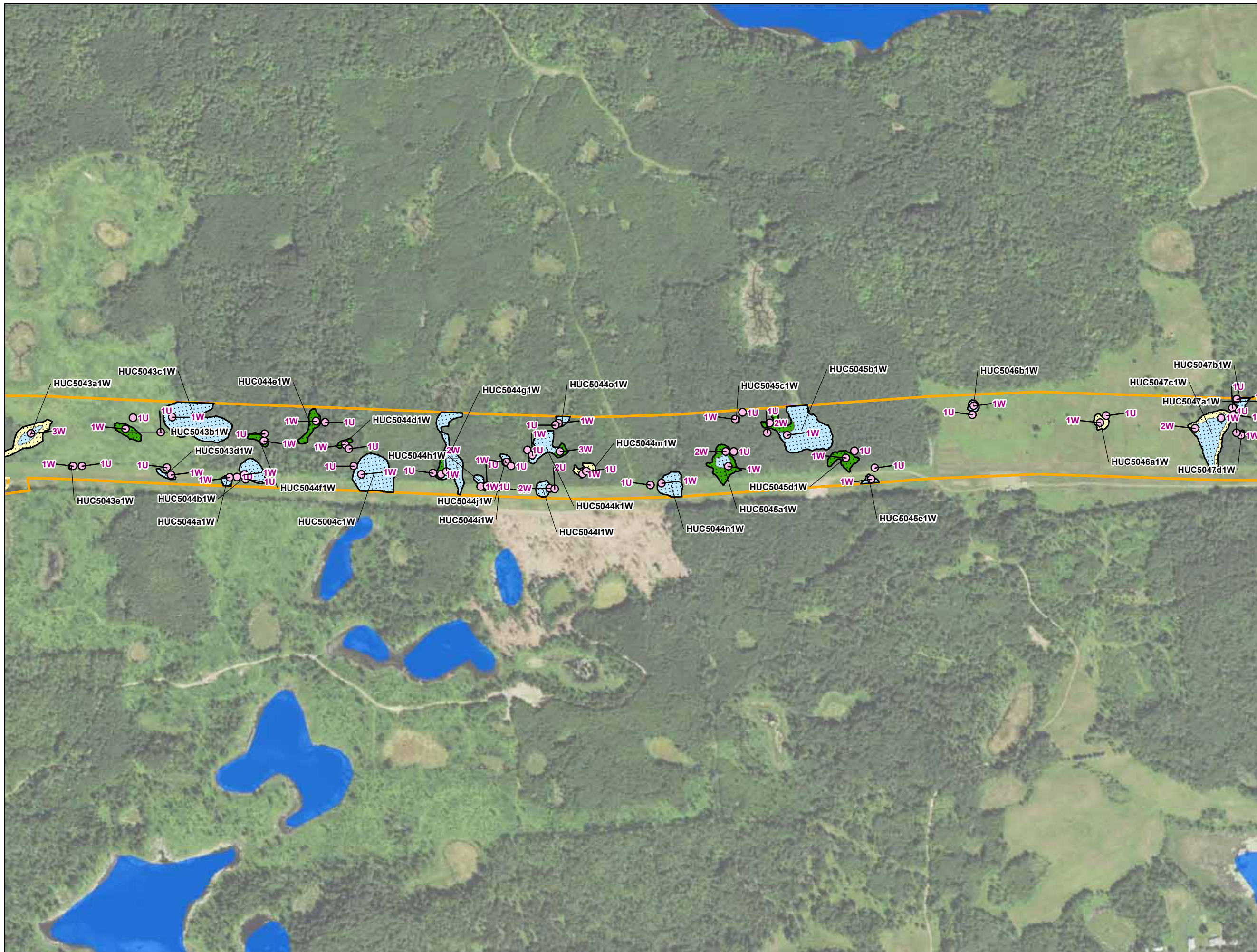
Enbridge

Field Collected Wetlands and Waterbodies

Hubbard County, Minnesota

For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631.mxd



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- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
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- 2018 Sample Point
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**Appendix F
Exhibit F 7-11**

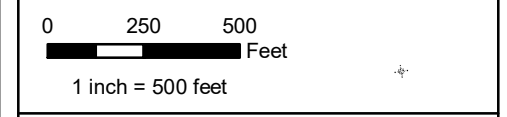
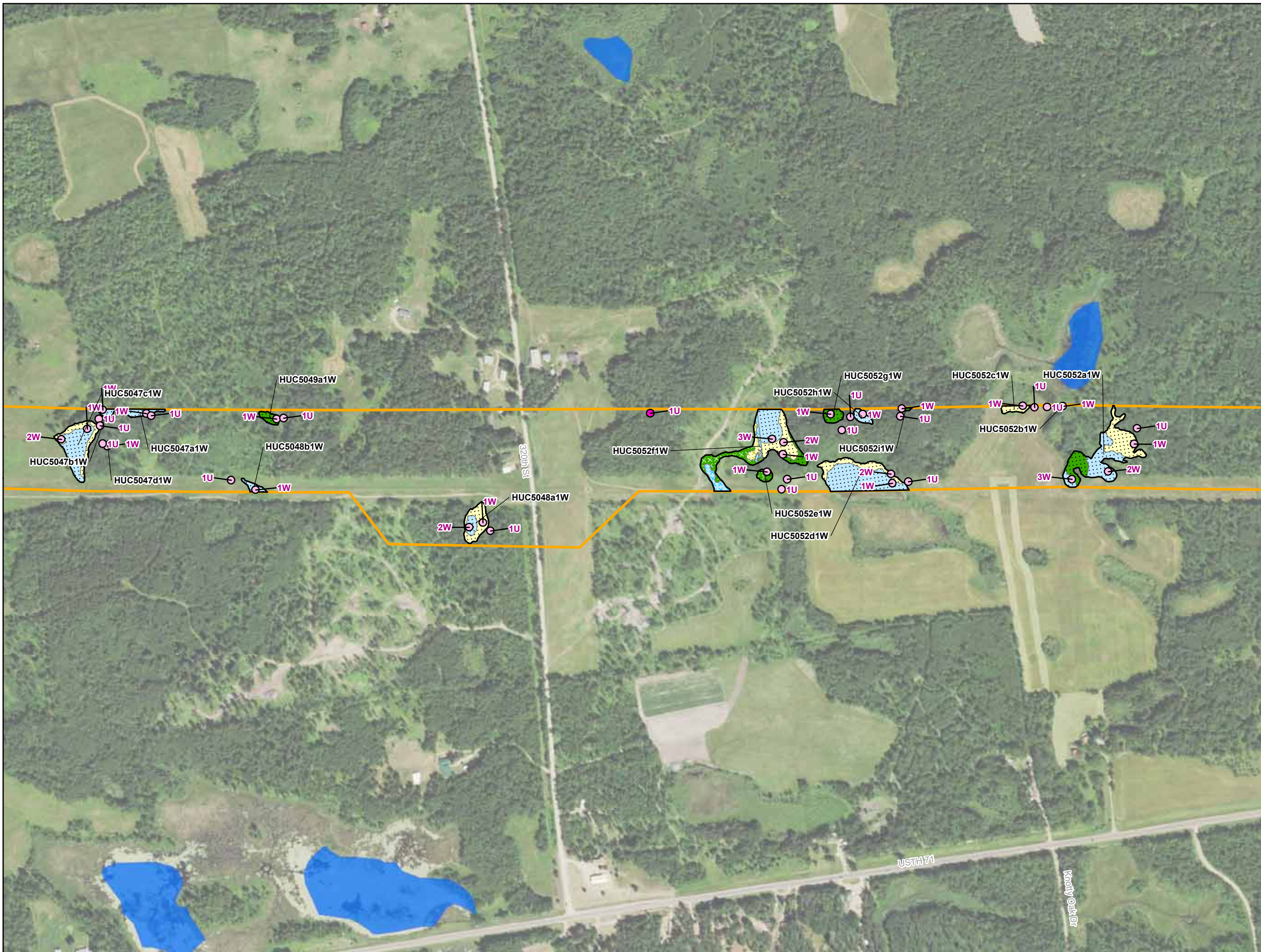
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**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180831\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd
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- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
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- 2014 Wetland**
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**Appendix F
Exhibit F 7-12**

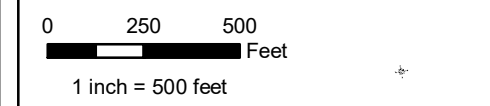
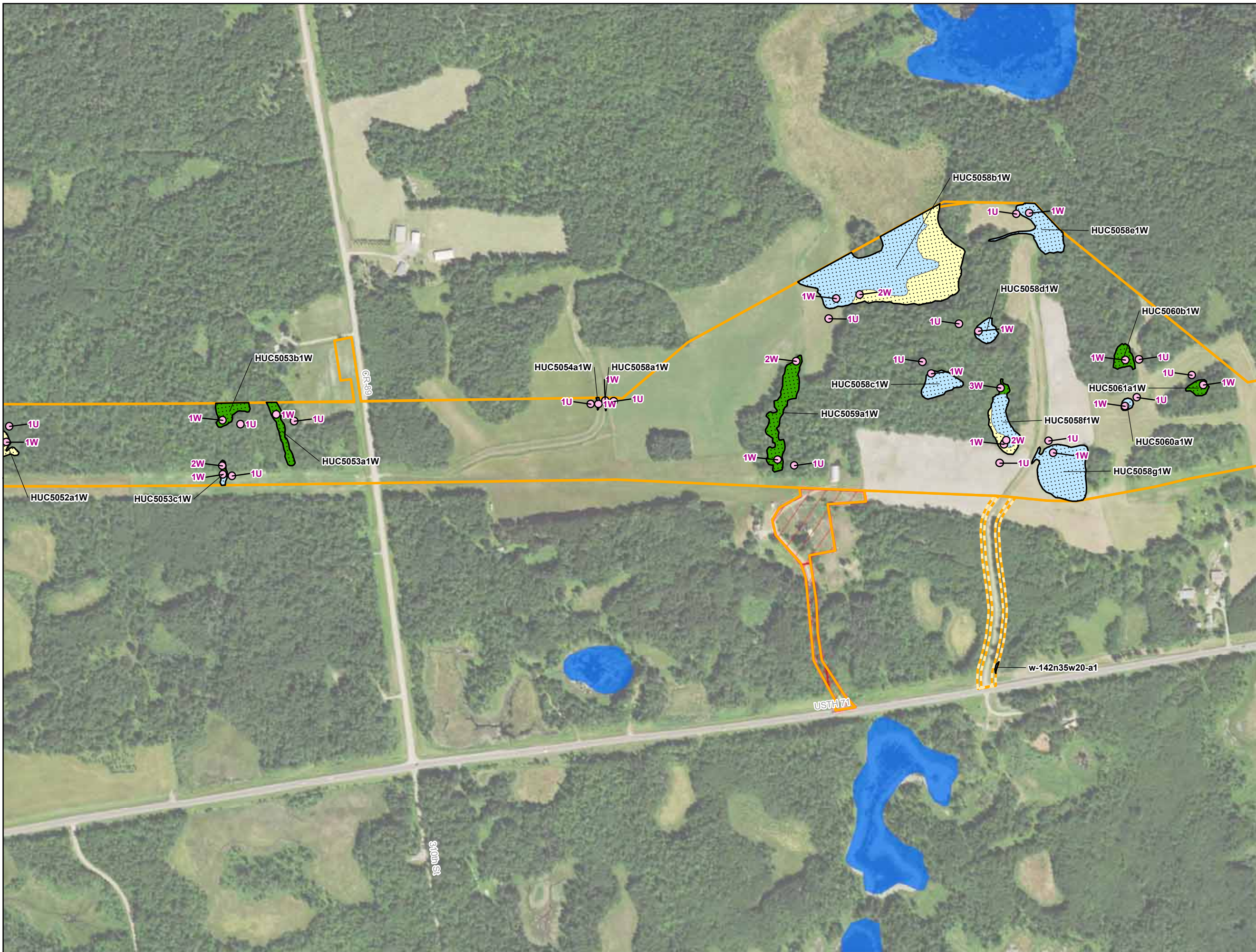
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**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180831\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



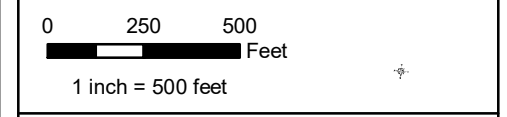
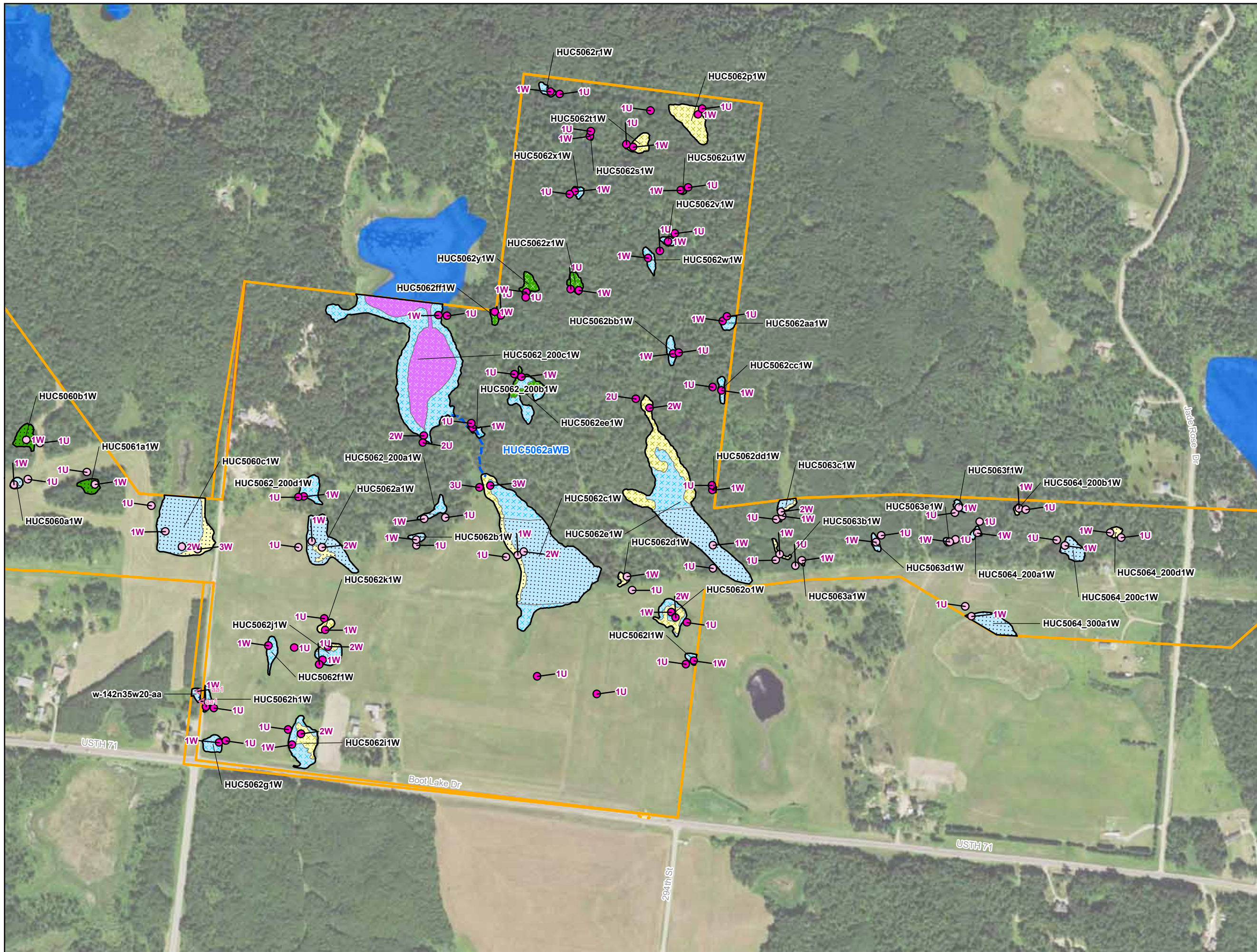
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- NWI Wetland**
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- R2U; R4S; R5U; R3U
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**Appendix F
Exhibit F 7-13**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_FHE\bridgeLine_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Min.mxd



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- Field Survey Not Required
- National Hydrography Dataset**
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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**Appendix F
Exhibit F 7-14**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PSS
- PUB

Appendix F
Exhibit F 7-15

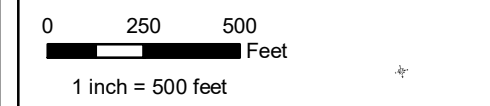
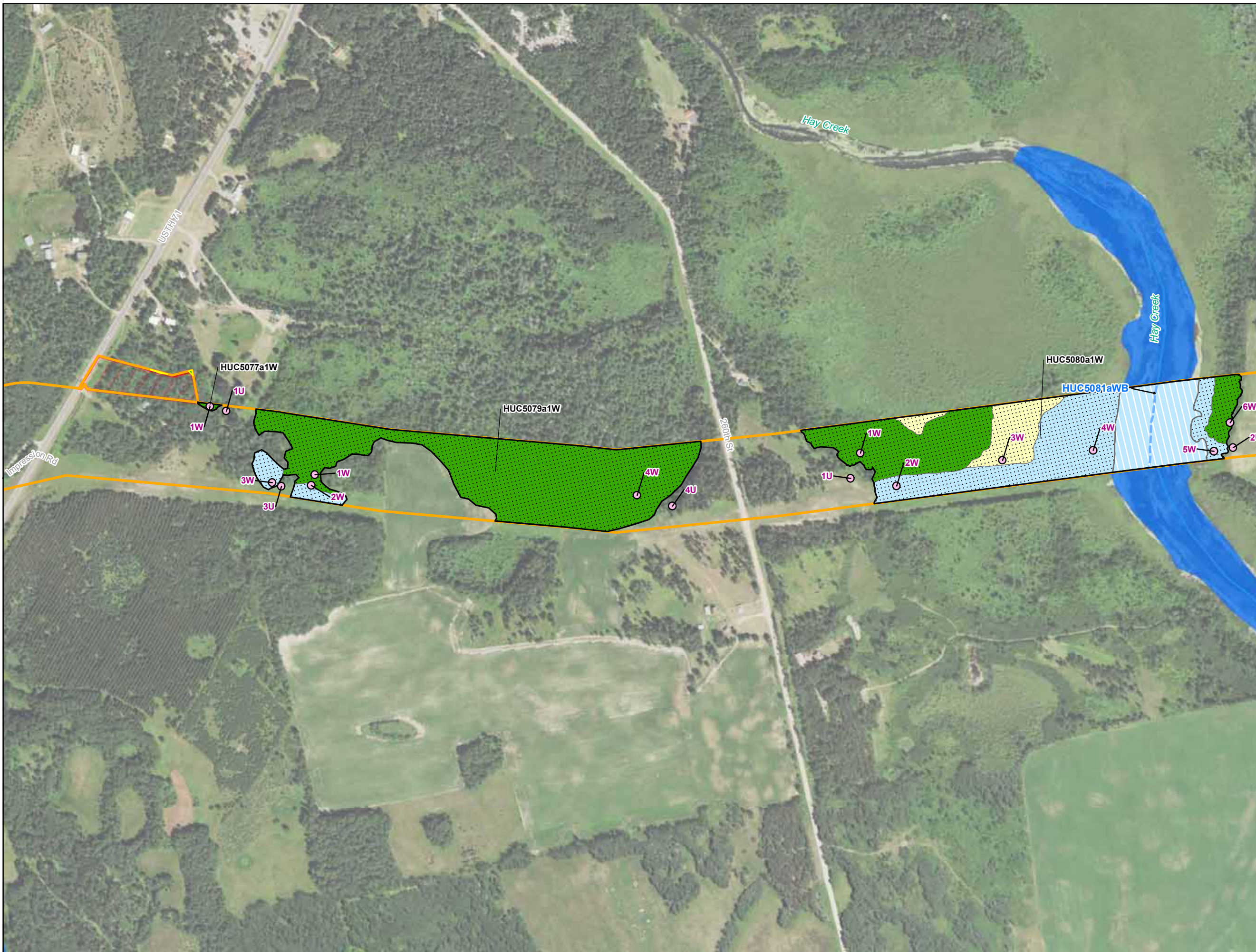
Enbridge

Field Collected Wetlands and Waterbodies

Hubbard County, Minnesota

For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE_F\IE\bridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180831\Wetland_Waterbody_WB_AppendixF_Min.mxd Date: (9/20/2018)



- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
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- 2015 Sample Point
- 2016 Sample Point
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- 2018 Sample Point
- 2013 Field Delineated Waterbody
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- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
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- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
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- PUB
- 2018 Wetland**
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- PFO
- PSS
- PUB

Appendix F
Exhibit F 7-17

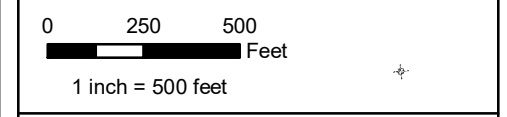
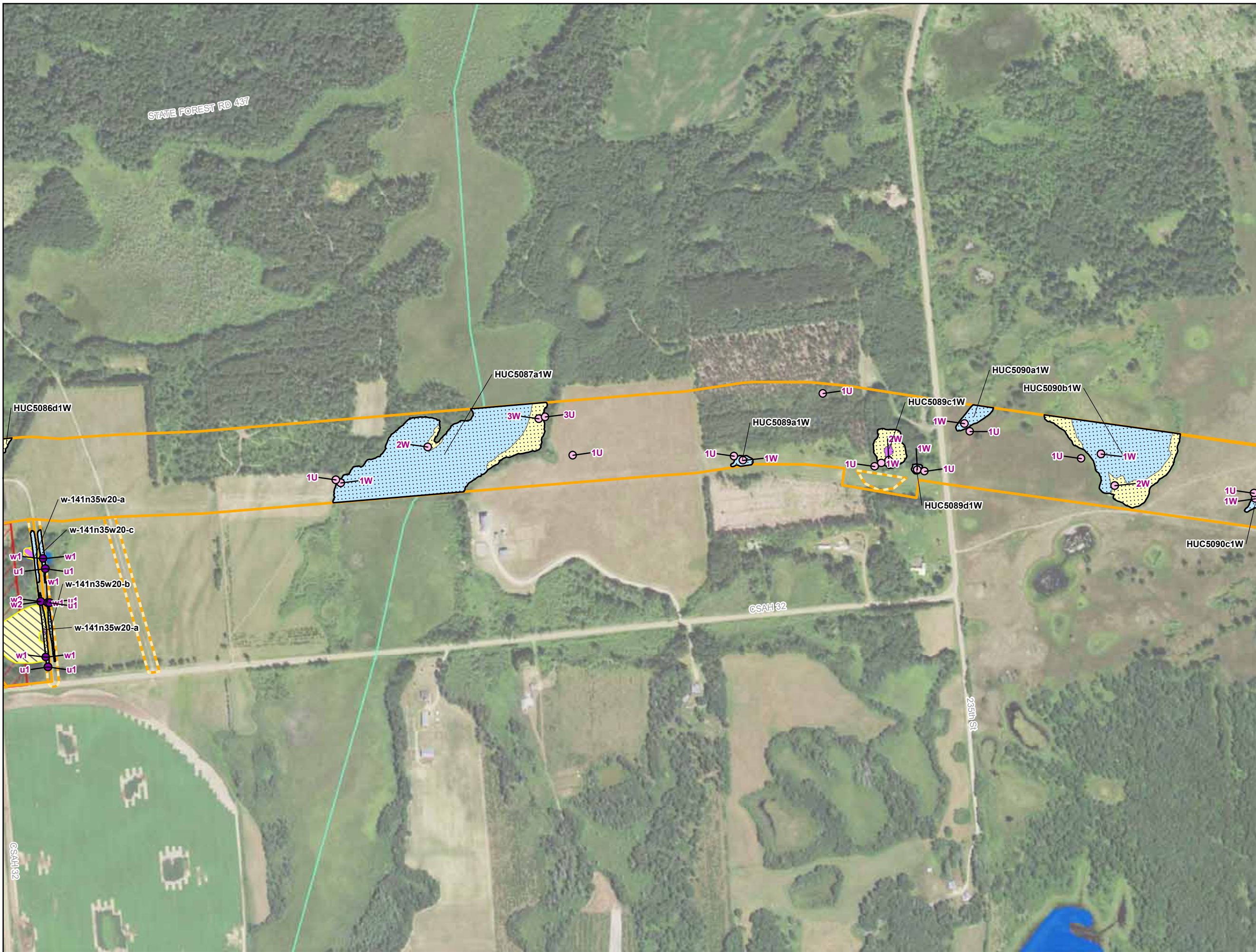
Enbridge

Field Collected Wetlands and Waterbodies

Hubbard County, Minnesota

For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



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- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- ~ Waterbody
- ~ Intermittent Stream
- ~ Perennial Stream
- ~ Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
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- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
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- ~ 2014 Field Delineated Waterbody
- ~ 2015 Field Delineated Waterbody
- ~ 2016 Field Delineated Waterbody
- ~ 2017 Field Delineated Waterbody
- ~ 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
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- PFO
- PSS
- PUB
- 2017 Wetland**
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- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-19**

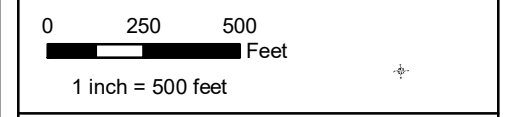
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2018 Sample Point
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- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- PSS
- PUB
- L1UB
- 2014 Wetland**
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- PFO
- PSS
- PUB
- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
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- PFO
- PSS
- PUB
- 2017 Wetland**
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- 2018 Wetland**
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- PSS
- PUB

**Appendix F
Exhibit F 7-20**

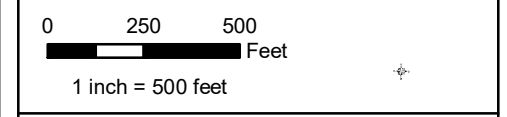
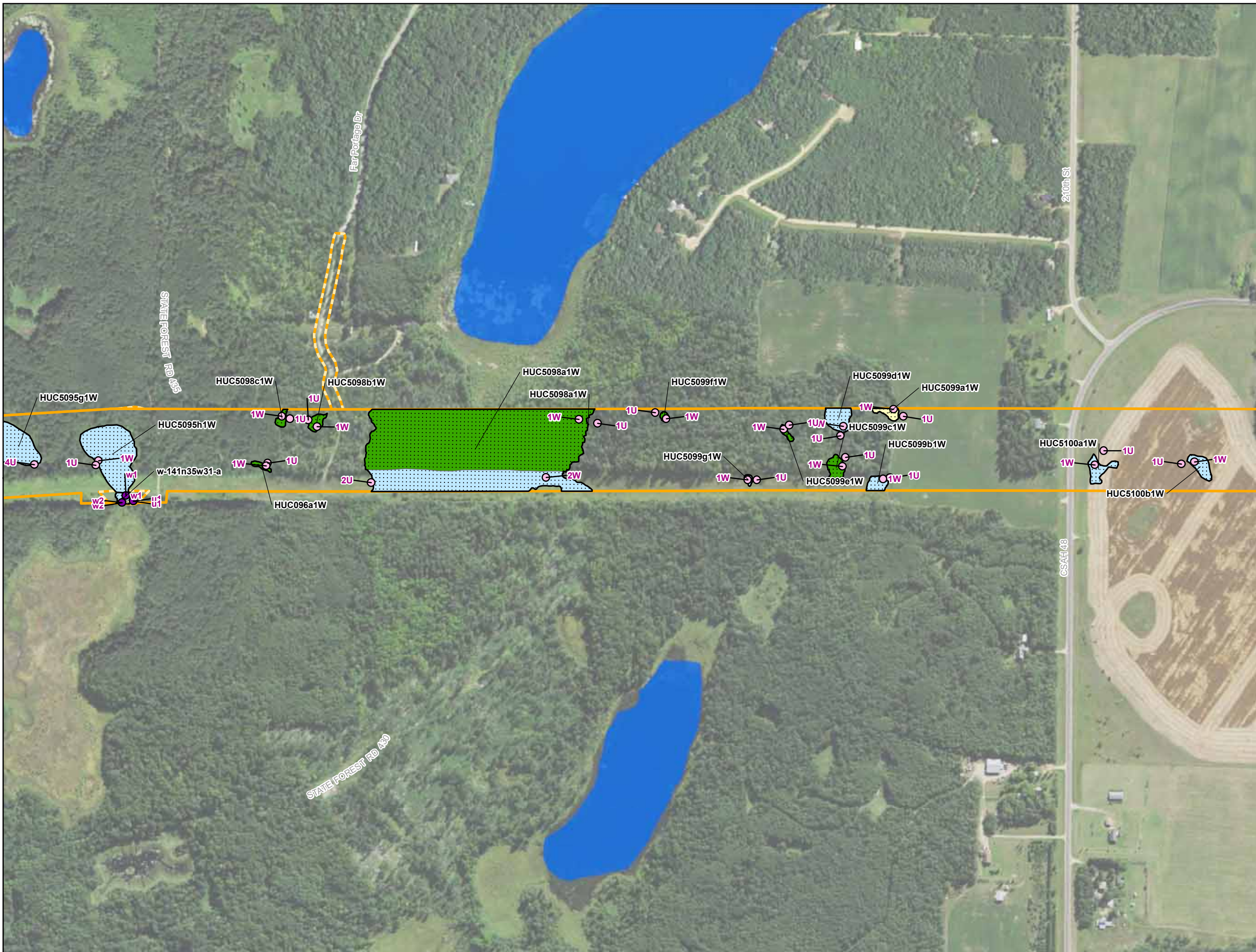
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
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- 2017 Sample Point
- 2018 Sample Point
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- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- L1UB
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- PSS
- PUB
- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
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- PUB
- 2017 Wetland**
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- 2018 Wetland**
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**Appendix F
Exhibit F 7-21**

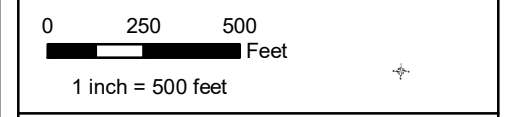
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



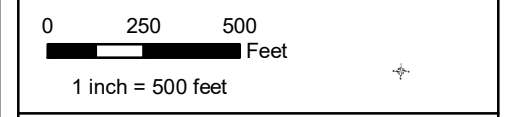
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- Waterbody
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
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- Field Delineated Features**
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- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
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- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-22**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Min.mxd



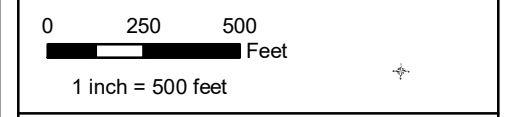
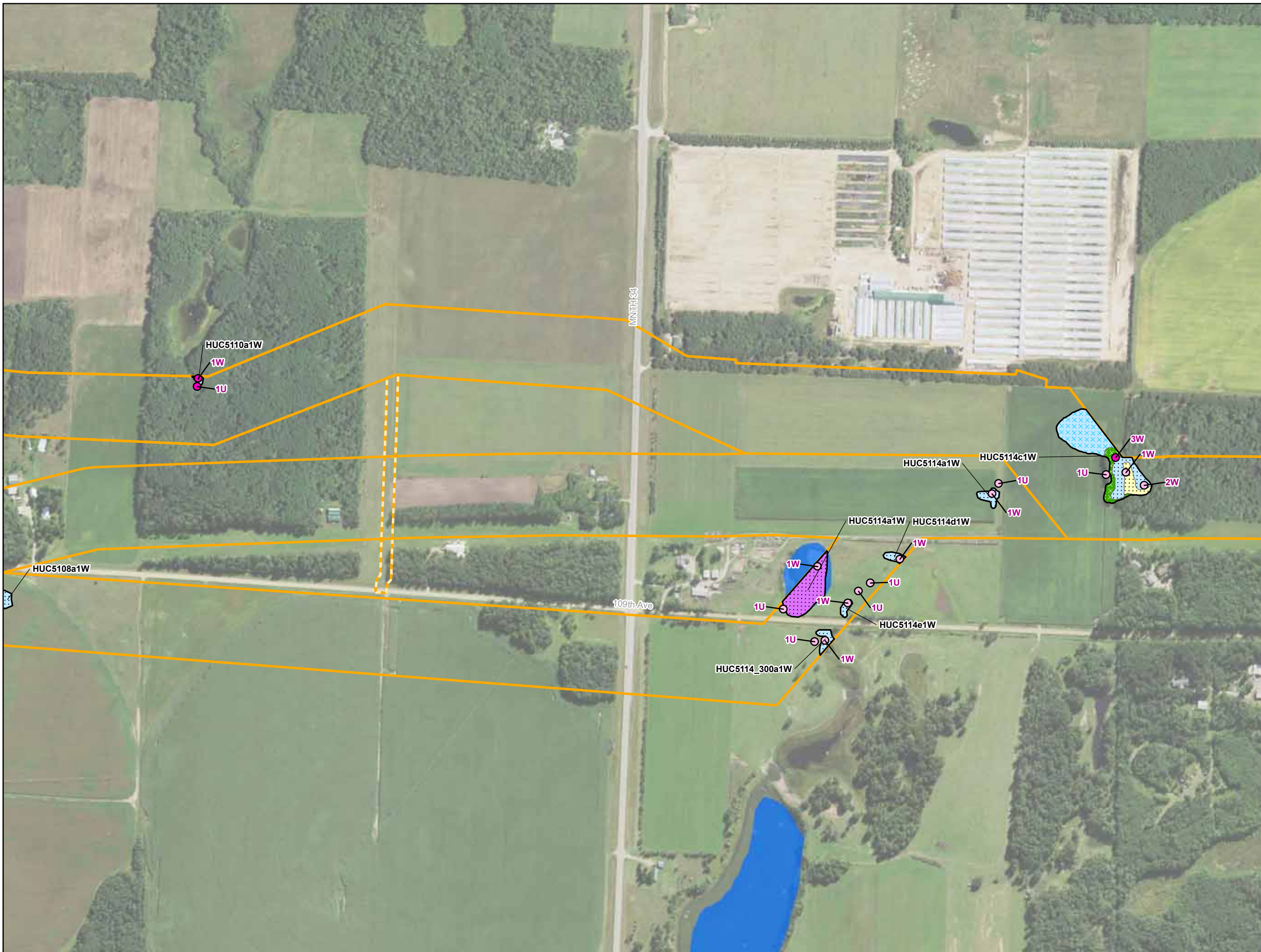
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PSS
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- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- L1UB
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- 2017 Wetland**
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- PSS
- PUB
- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-23**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



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- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PSS
- L1U
- PFO
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**Appendix F
Exhibit F 7-24**

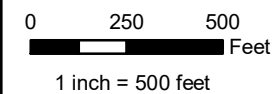
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631.mxd



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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
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- 2016 Sample Point
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- 2018 Field Delineated Waterbody
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- PSS
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- L1UB
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**Appendix F
Exhibit F 7-25**

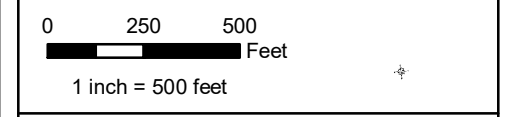
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**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



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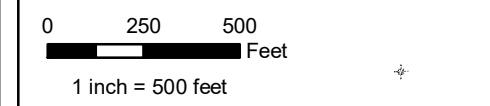
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- L1U
- R2U; R4S; R5U; R3U
- L1UB
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- PUB
- 2018 Wetland**
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- PFO
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- PUB

**Appendix F
Exhibit F 7-26**

Enbridge
Field Collected Wetlands and Waterbodies
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310M1L3R_Wetland_WB_AppendixF_WB.mxd



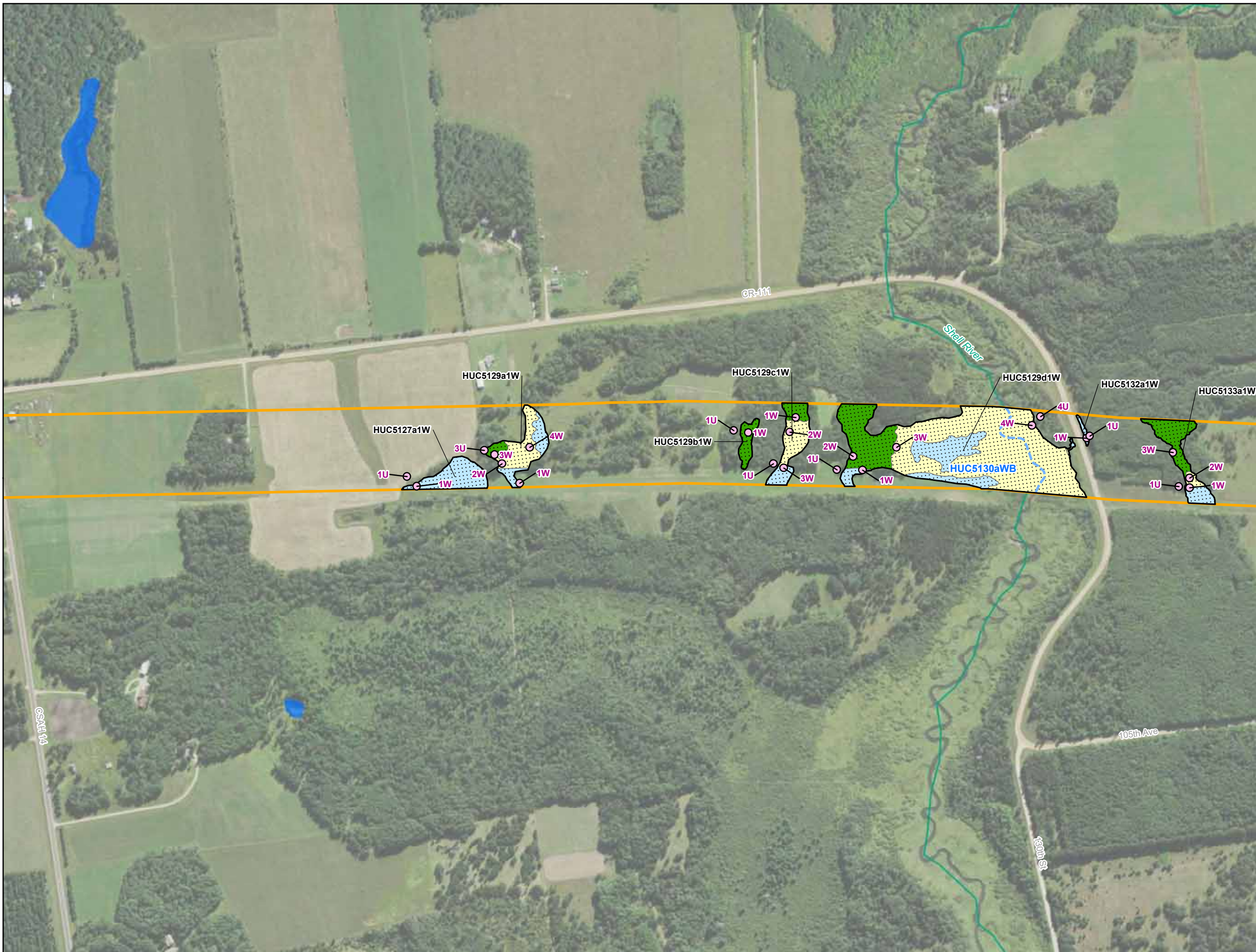
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- R2U; R4S; R5U; R3U
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- 2015 Sample Point
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- 2018 Sample Point
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- L1UB
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- 2018 Wetland**
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- PSS
- PUB

**Appendix F
Exhibit F 7-27**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



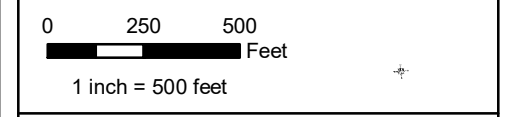
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
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- PSS
- PUB

**Appendix F
Exhibit F 7-28**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_Appendix_F.mxd



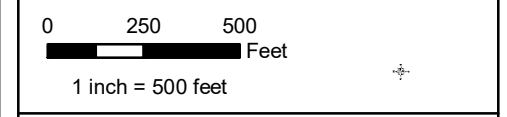
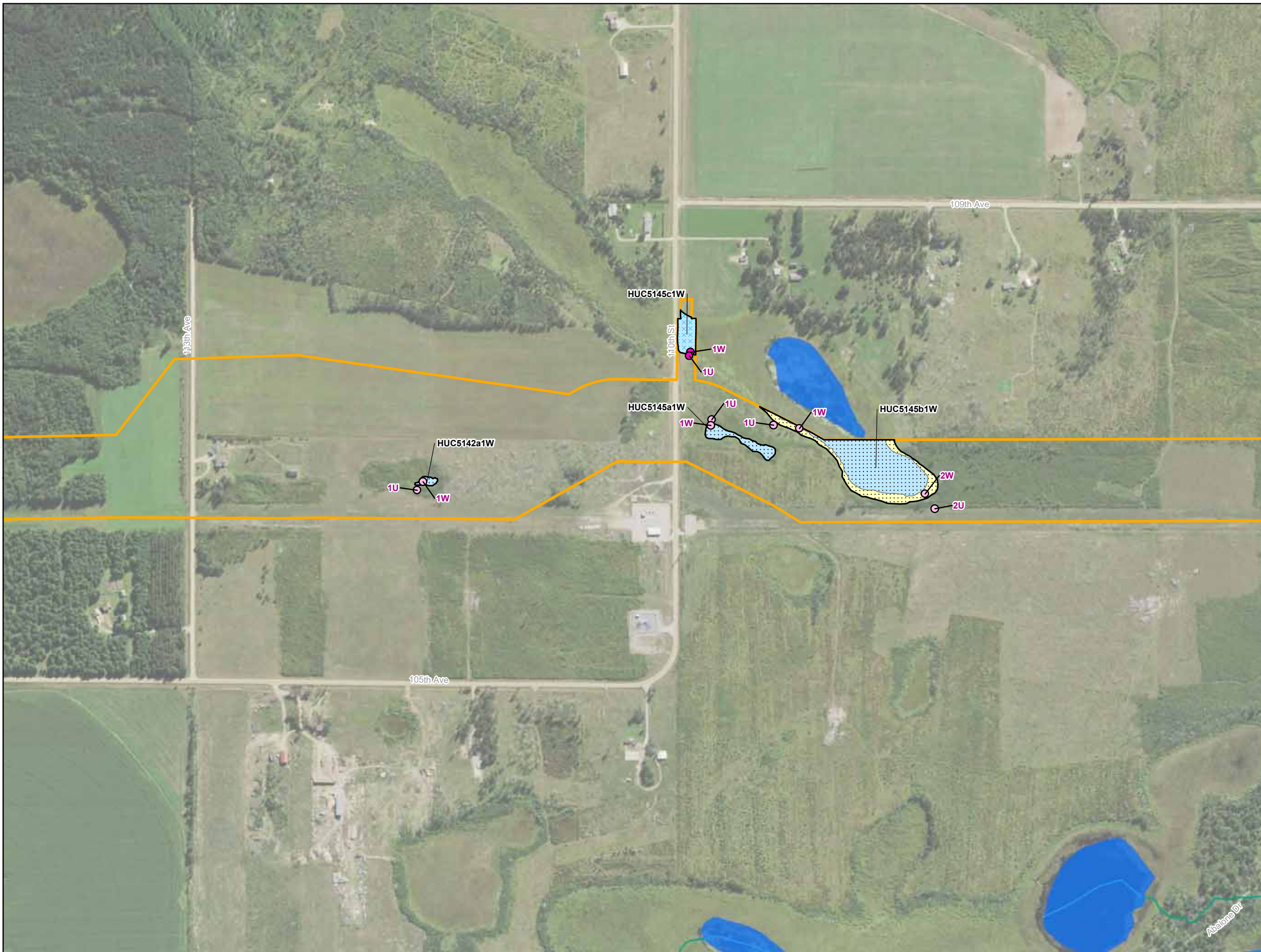
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PSS
- PUB
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- R2U; R4S; R5U; R3U
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- 2018 Sample Point
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- 2015 Field Delineated Waterbody
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- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- PFO
- PSS
- PUB
- L1UB
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- PUB
- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-29**

Enbridge
Field Collected Wetlands and Waterbodies
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Min.mxd



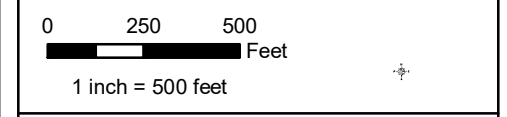
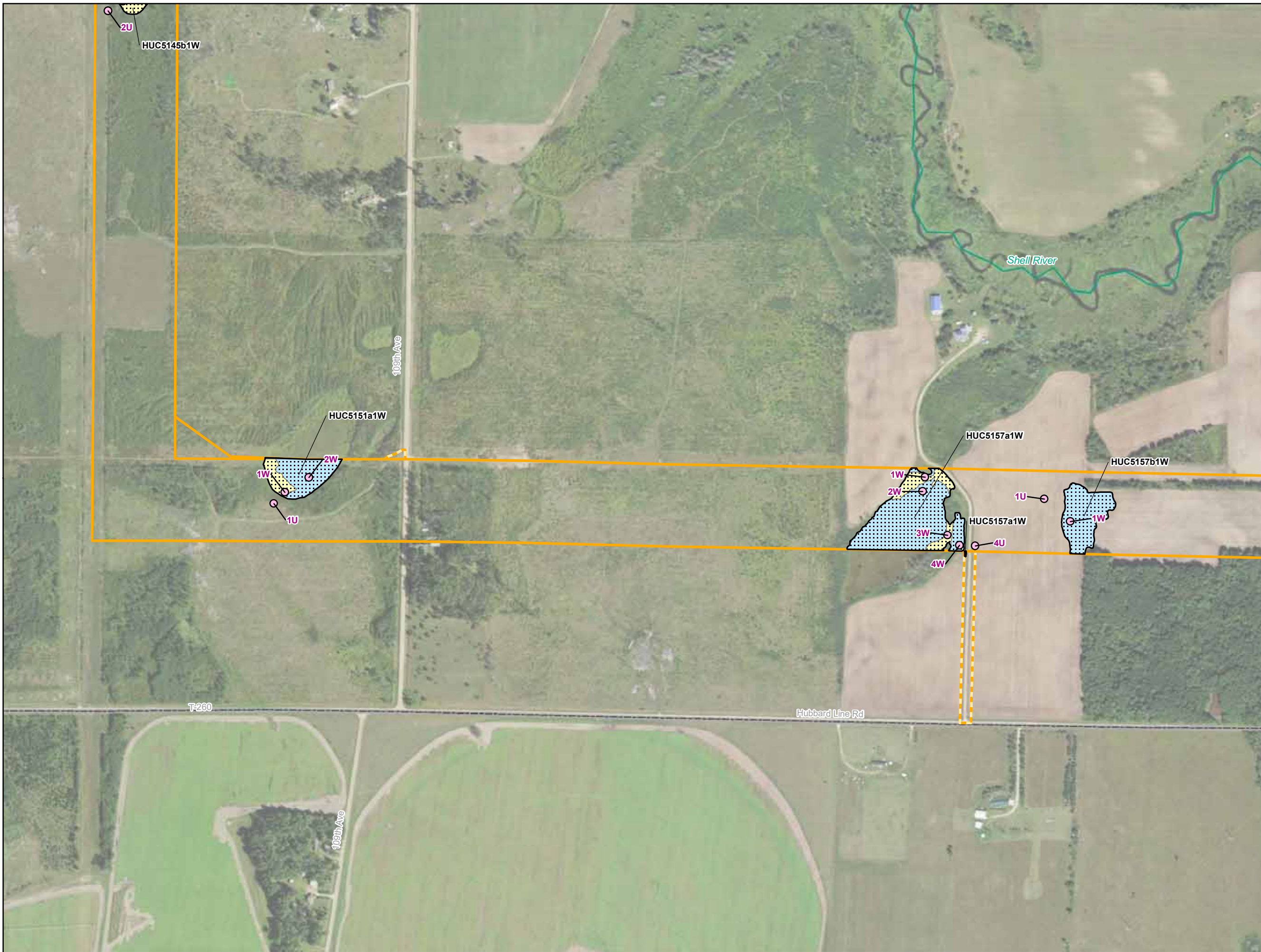
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- Perennial Stream
- Canal/Ditch
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- R2U; R4S; R5U; R3U
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- PFO
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- L1UB
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- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-30**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Min.mxd



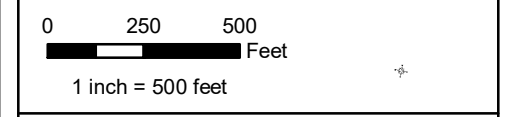
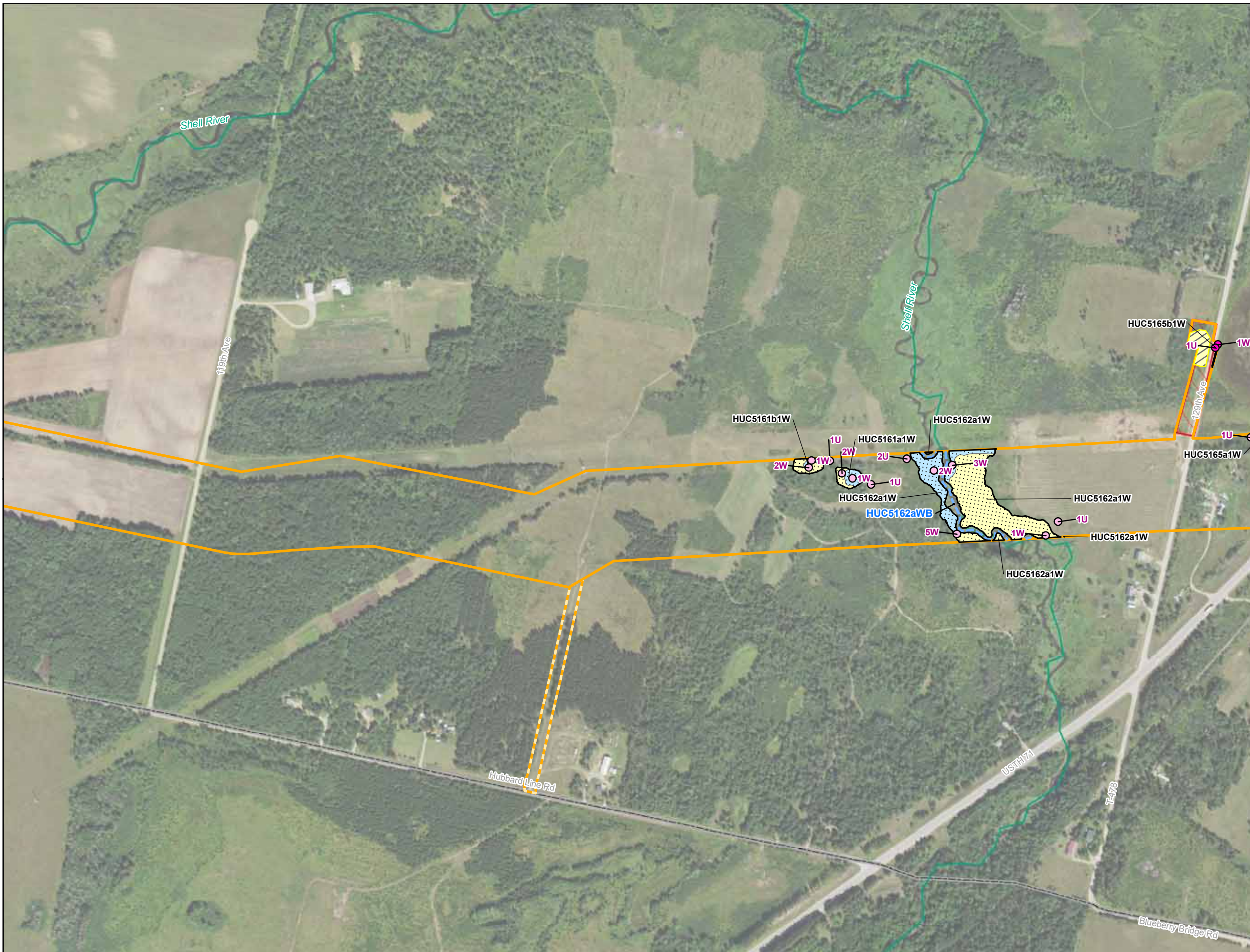
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- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-31**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180831\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
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- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

Appendix F
Exhibit F 7-32

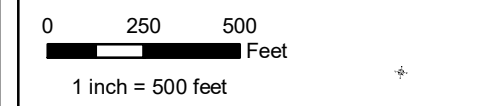
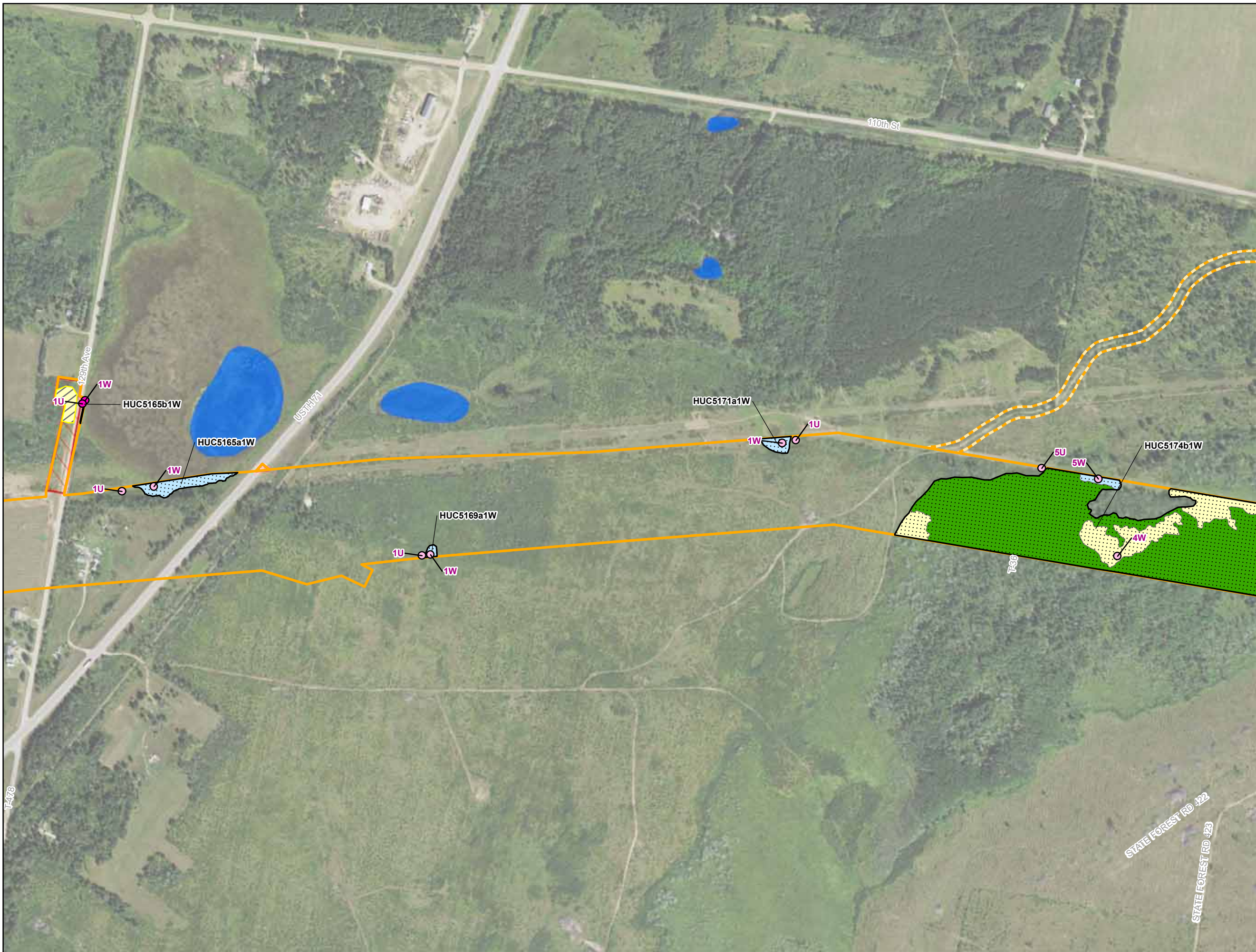
Enbridge

Field Collected Wetlands and Waterbodies

Hubbard County, Minnesota

For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180831\Wetland_Waterbody_WB_Appendixr_WB.mxd



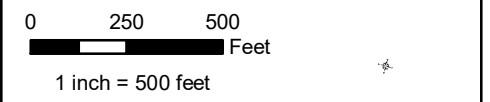
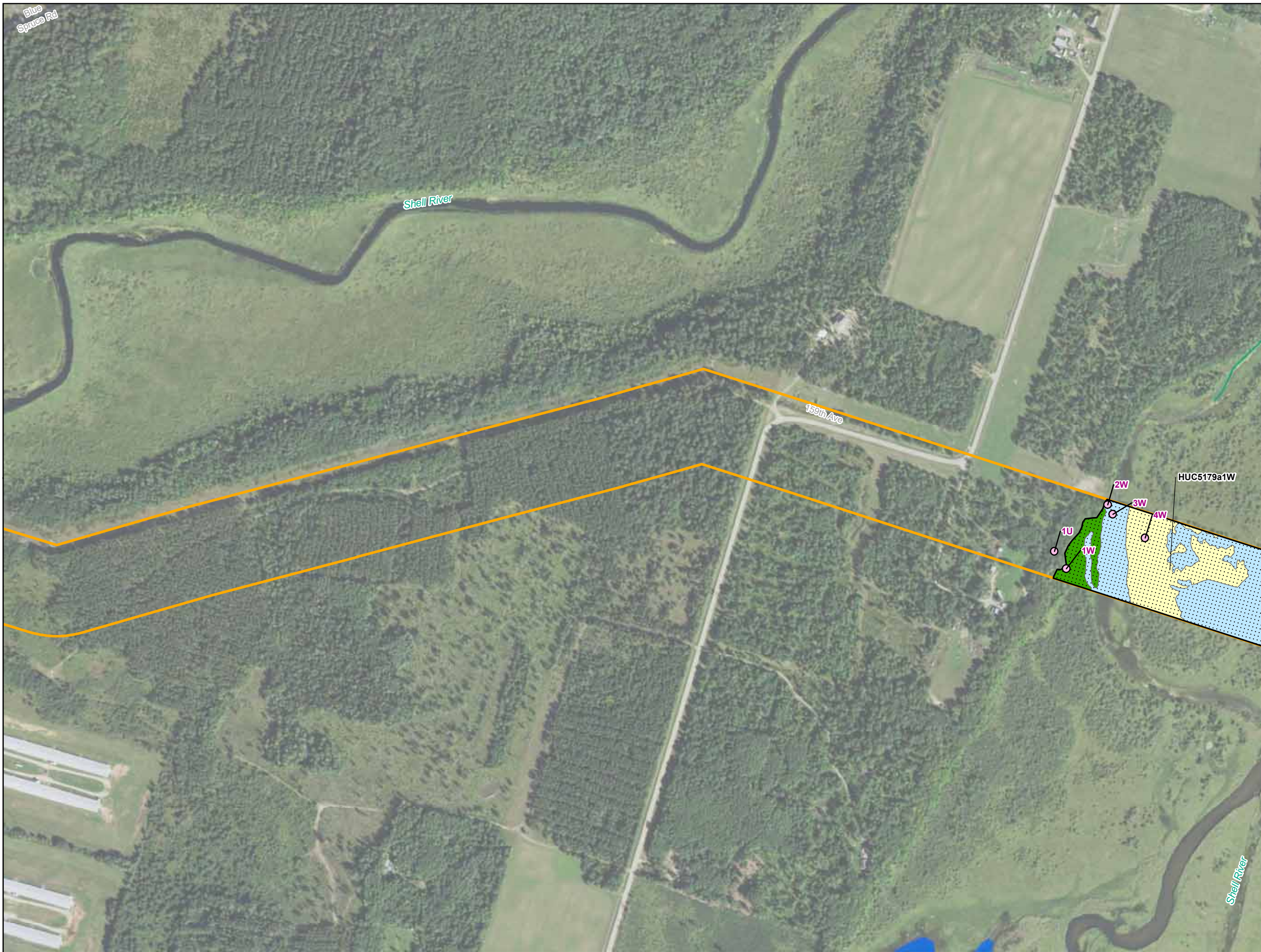
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- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
 - Waterbody
 - Intermittent Stream
 - Perennial Stream
 - Canal/Ditch
- NWI Wetland**
 - PEM
 - PSS
 - L1U
 - PFO
 - PUB
 - R2U; R4S; R5U; R3U
- Field Delineated Features**
 - 2013 Sample Point
 - 2014 Sample Point
 - 2015 Sample Point
 - 2016 Sample Point
 - 2017 Sample Point
 - 2018 Sample Point
 - 2013 Field Delineated Waterbody
 - 2014 Field Delineated Waterbody
 - 2015 Field Delineated Waterbody
 - 2016 Field Delineated Waterbody
 - 2017 Field Delineated Waterbody
 - 2018 Field Delineated Waterbody
- 2013 Wetland**
 - PEM
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 - PSS
 - PUB
 - L1UB
- 2014 Wetland**
 - PEM
 - PFO
 - PSS
 - PUB
- 2015 Wetland**
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 - PUB
- 2016 Wetland**
 - PEM
 - PFO
 - PSS
 - PUB
- 2017 Wetland**
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 - PFO
 - PSS
 - PUB
- 2018 Wetland**
 - PEM
 - PFO
 - PSS
 - PUB

**Appendix F
Exhibit F 7-33**

Enbridge
Field Collected Wetlands and Waterbodies
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Min.mxd



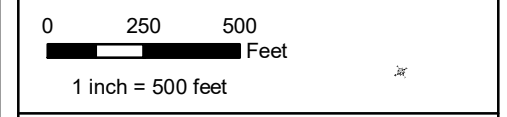
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- Field Survey Not Complete
- Field Survey Not Required
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- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- PFO
- PSS
- PUB
- L1UB
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- PUB
- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-35**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
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- PSS
- PUB
- 2017 Wetland**
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- PUB
- 2018 Wetland**
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- PFO
- PSS
- PUB

Appendix F
Exhibit F 7-37

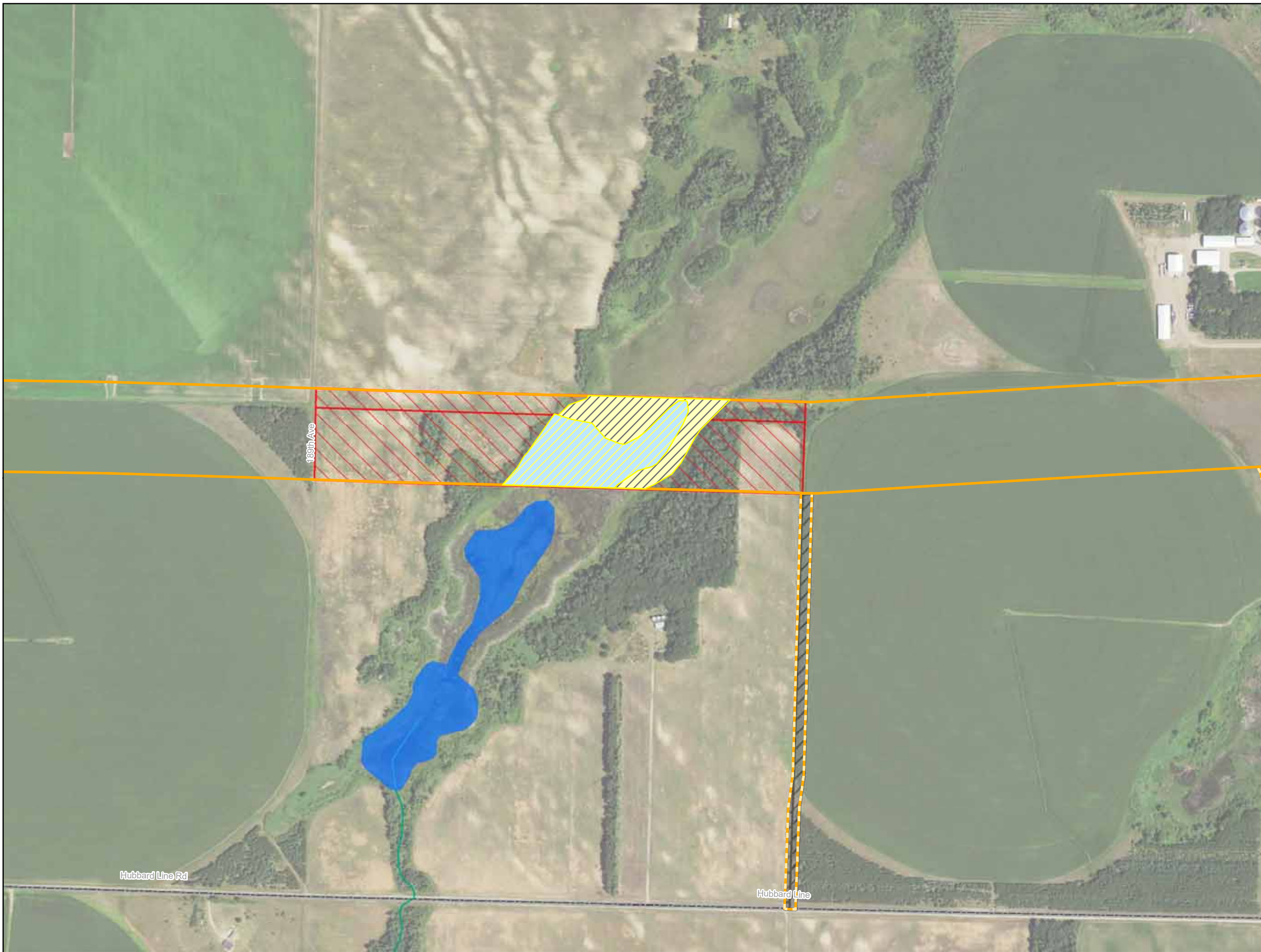
Enbridge

Field Collected Wetlands and Waterbodies

Hubbard County, Minnesota

For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



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- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Perennial Stream
- Intermittent Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- PSS
- PUB
- L1UB
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- PFO
- PSS
- PUB
- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
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- PUB
- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-38**

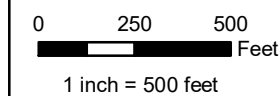
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**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



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- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
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- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- PSS
- PUB
- L1UB
- 2014 Wetland**
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- 2015 Wetland**
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- PSS
- PUB
- 2016 Wetland**
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- PUB
- 2017 Wetland**
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- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-39**

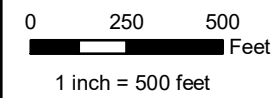
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Min.mxd



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- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
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- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
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- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
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- 2015 Wetland**
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- 2016 Wetland**
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- PUB
- 2017 Wetland**
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- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-40**

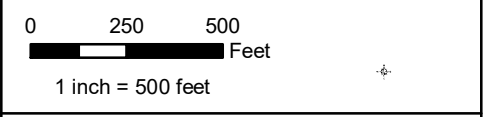
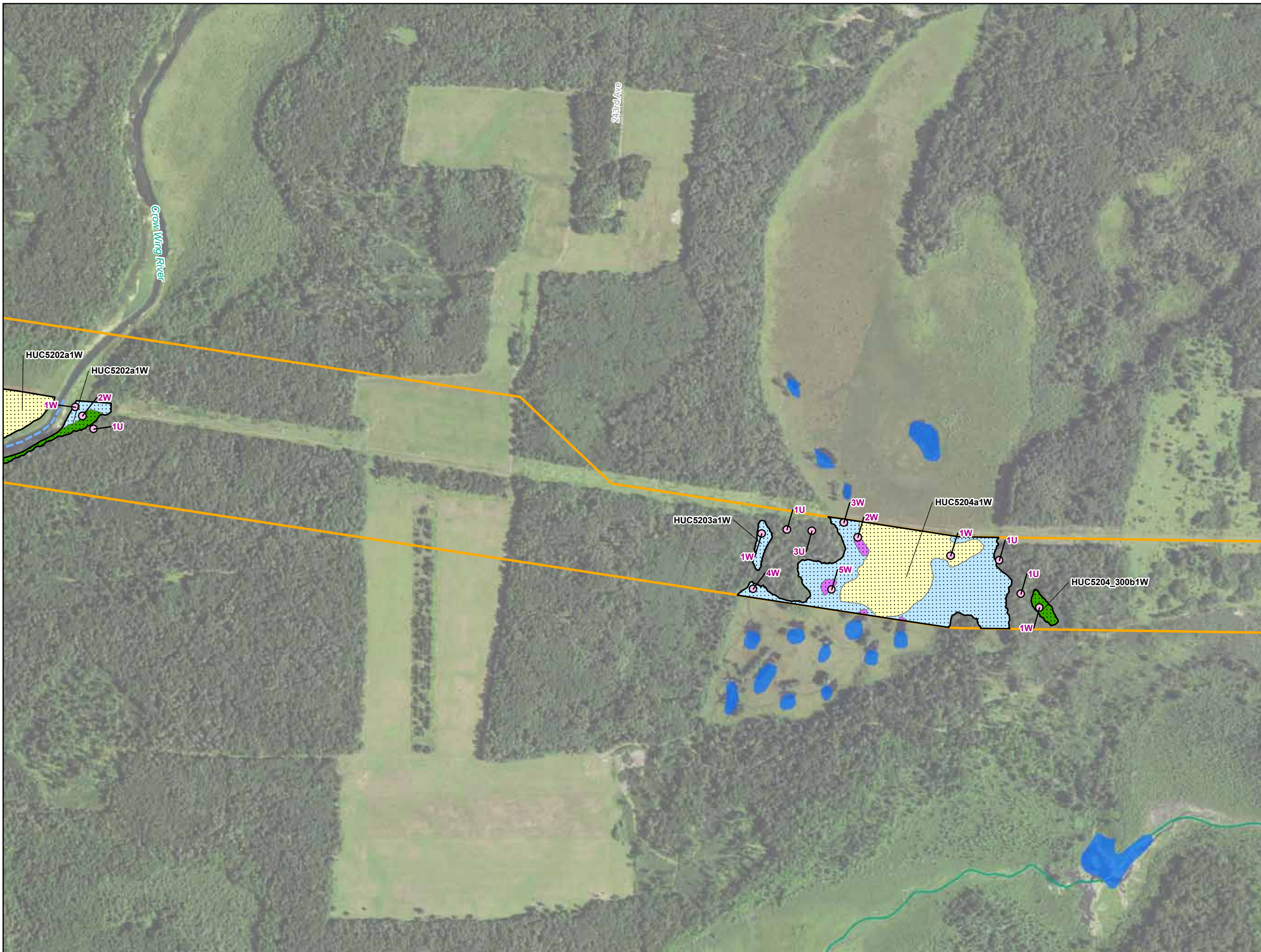
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



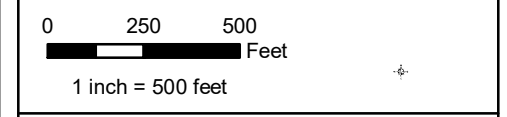
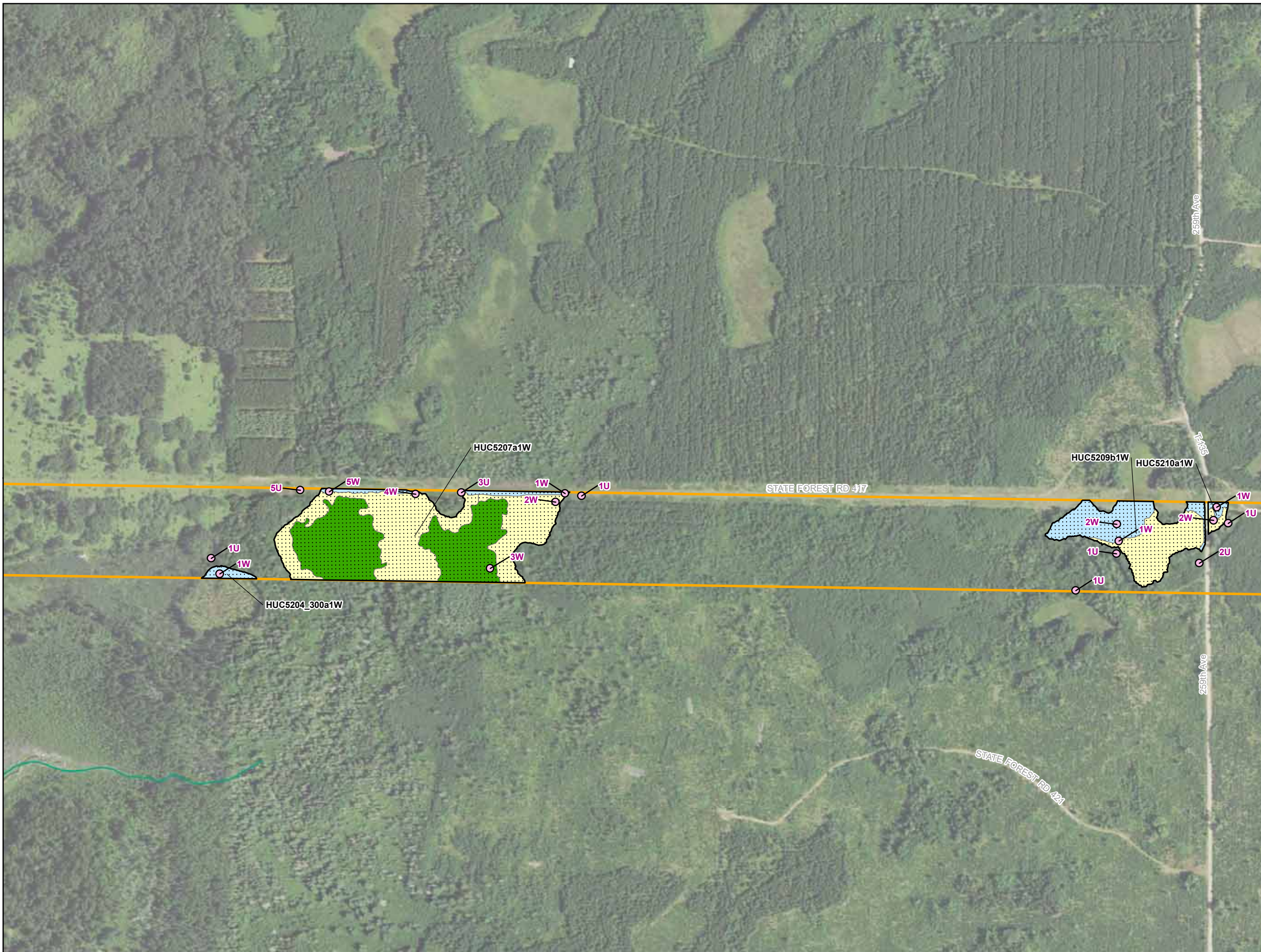
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- Field Survey Not Required
- National Hydrography Dataset**
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- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
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- 2014 Sample Point
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- 2014 Field Delineated Waterbody
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- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
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- PUB
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- PFO
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- PUB
- 2017 Wetland**
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- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-42**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



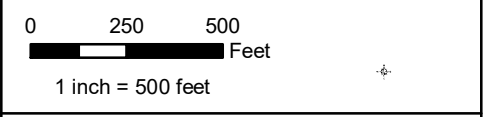
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- Field Survey Not Required
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
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- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- PFO
- PSS
- PUB
- L1UB
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- PSS
- PUB
- 2015 Wetland**
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- PSS
- PUB
- 2016 Wetland**
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- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-43**

Enbridge
Field Collected Wetlands and Waterbodies
Hubbard County, Minnesota



Source: (9/20/2018) Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310M\T3R_Wetland_WB_AppendixF_Min.mxd



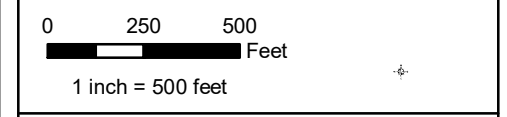
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
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- 2017 Sample Point
- 2018 Sample Point
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- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- PUB
- L1UB
- 2014 Wetland**
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- 2015 Wetland**
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- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
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- PSS
- PUB
- 2018 Wetland**
- PEM
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- PSS
- PUB

**Appendix F
Exhibit F 7-44**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631.mxd



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- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
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- 2015 Wetland**
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- PUB
- 2017 Wetland**
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- 2018 Wetland**
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- PUB

**Appendix F
Exhibit F 7-45**

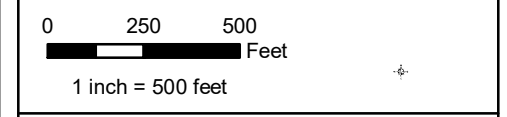
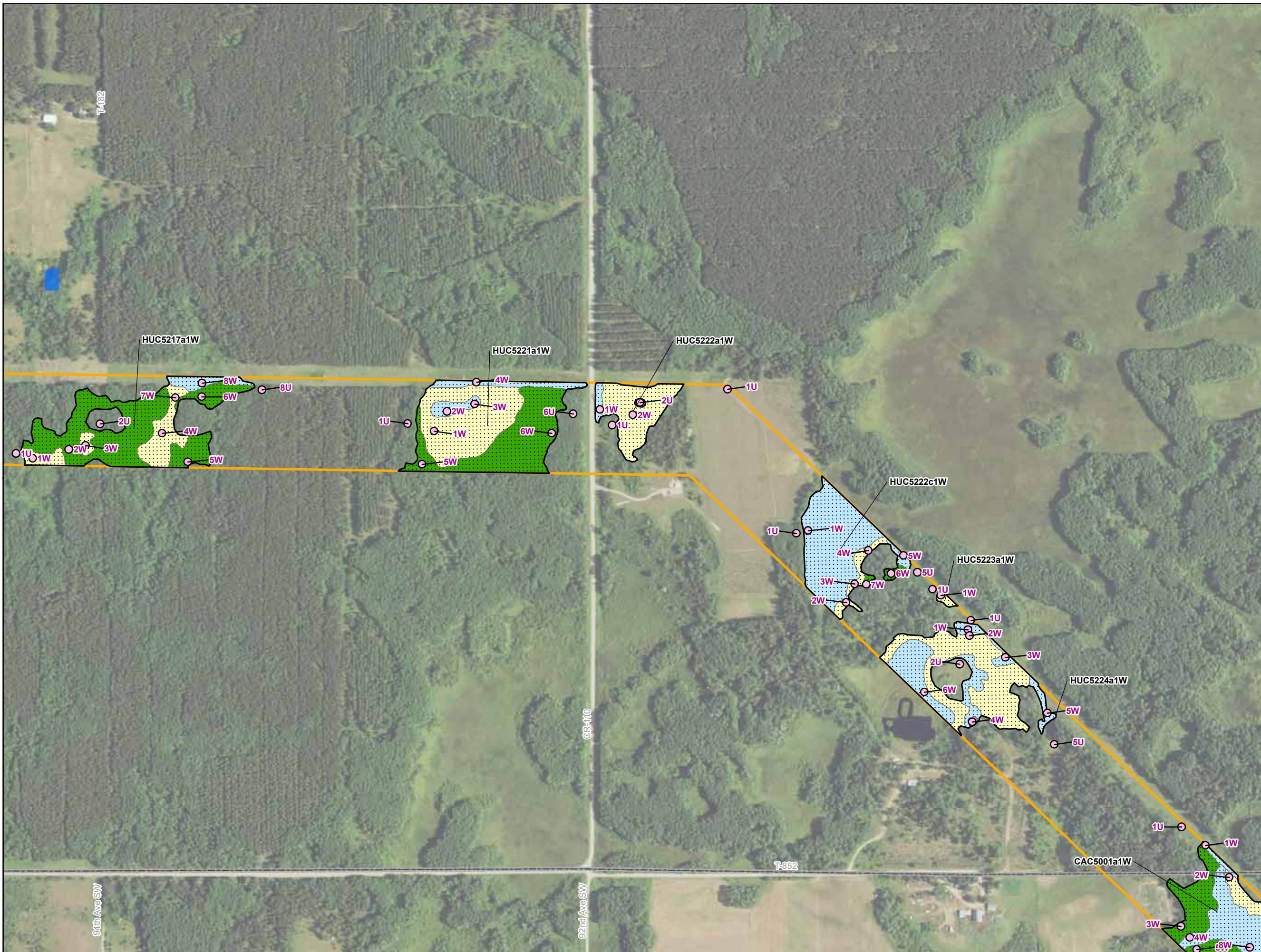
Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Min.mxd



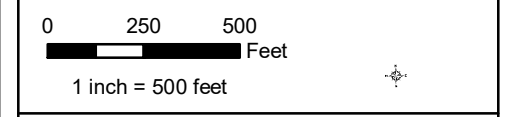
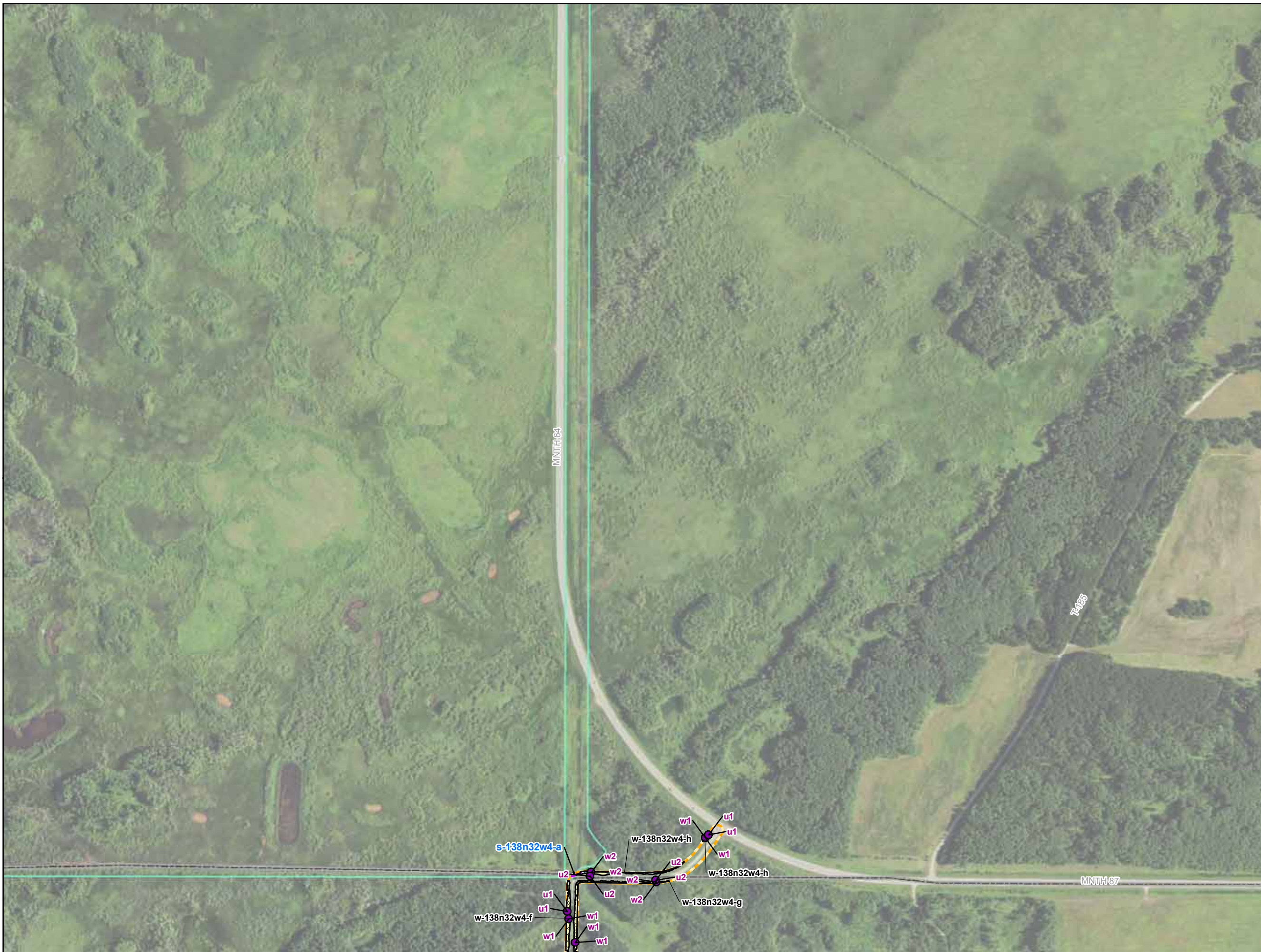
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- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
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- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-46**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_F\IE\bridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310M\T13R_Wetland_WB_AppendixF_WIN.mxd Date: (9/20/2018)



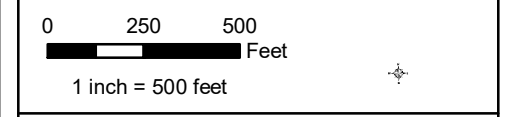
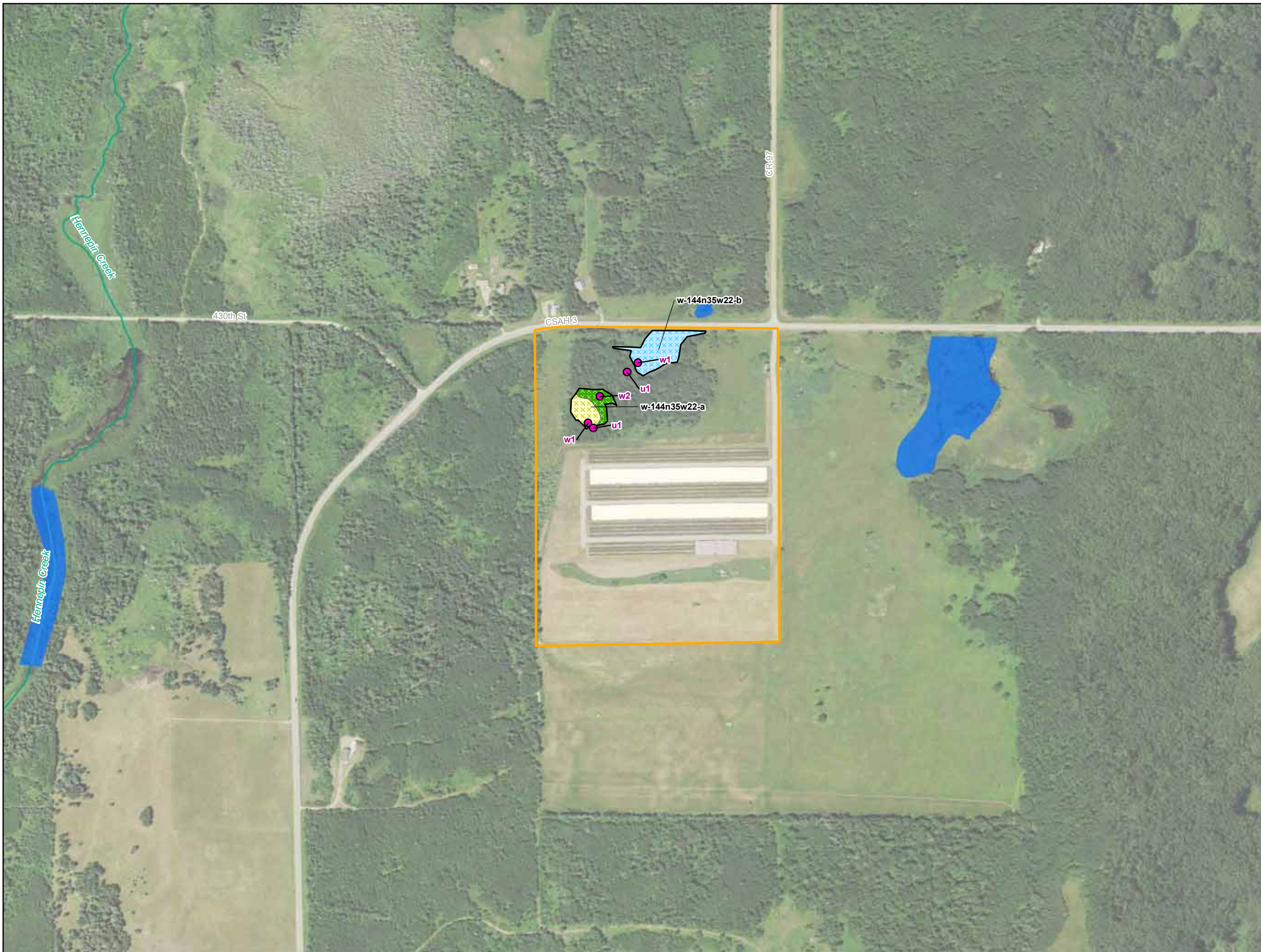
- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-47**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Source: Z:\Clients\IE_F\Enbridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MNTH64R_Wetland_WB_AppendixF_MN.mxd



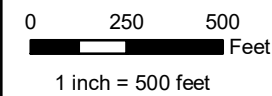
- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PSS
- L1U
- PFO
- PUB
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-48**

Enbridge
**Field Collected Wetlands and
Waterbodies**
Hubbard County, Minnesota



Date: (9/20/2018) Source: Z:\Clients\IE_F\IE\bridge\Line_3_Pull_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixF_Wetland_WB.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated Features**
- 2013 Sample Point
- 2014 Sample Point
- 2015 Sample Point
- 2016 Sample Point
- 2017 Sample Point
- 2018 Sample Point
- 2013 Field Delineated Waterbody
- 2014 Field Delineated Waterbody
- 2015 Field Delineated Waterbody
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
- 2013 Wetland**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F
Exhibit F 7-49**

Enbridge

**Field Collected Wetlands and
Waterbodies**

Hubbard County, Minnesota

