

- 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
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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**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-1**

**Enbridge**

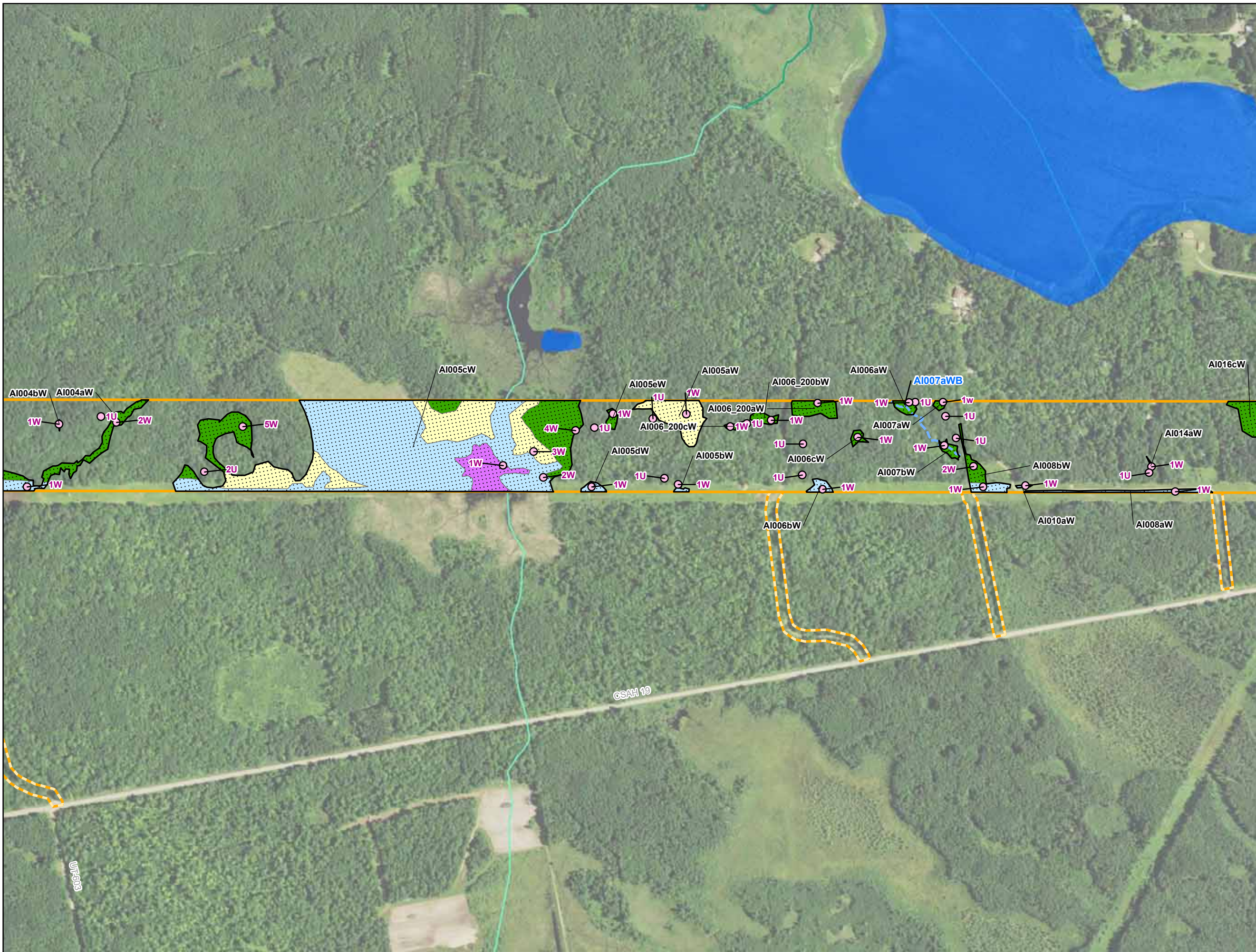
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180831\Wetland\_Waterbody\_20180831\Wetland\_Waterbody\_20180831.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
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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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- 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 11-2**

**Enbridge**

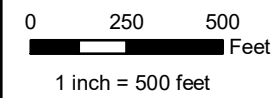
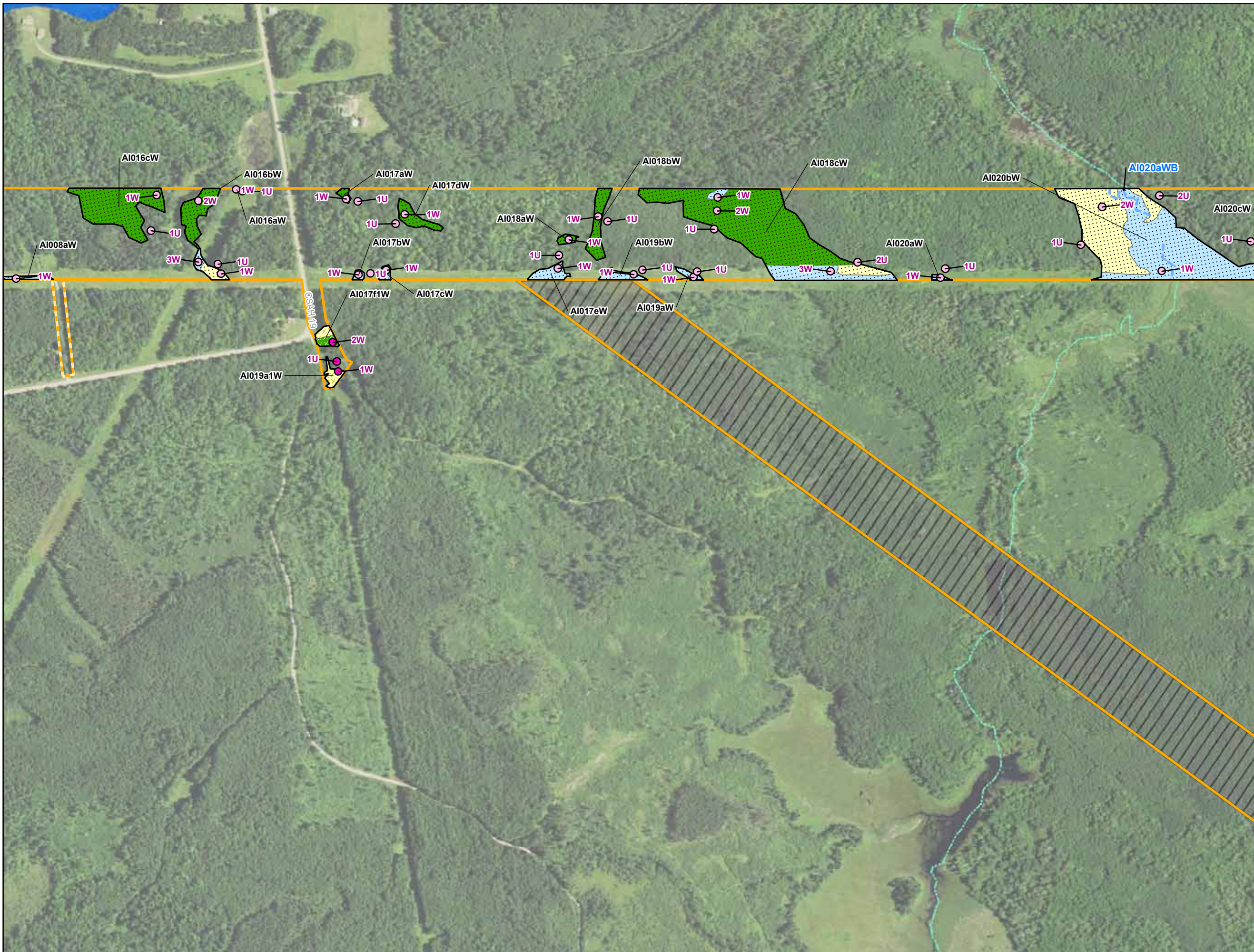
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_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 11-3**

**Enbridge**

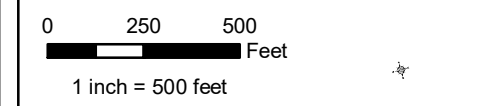
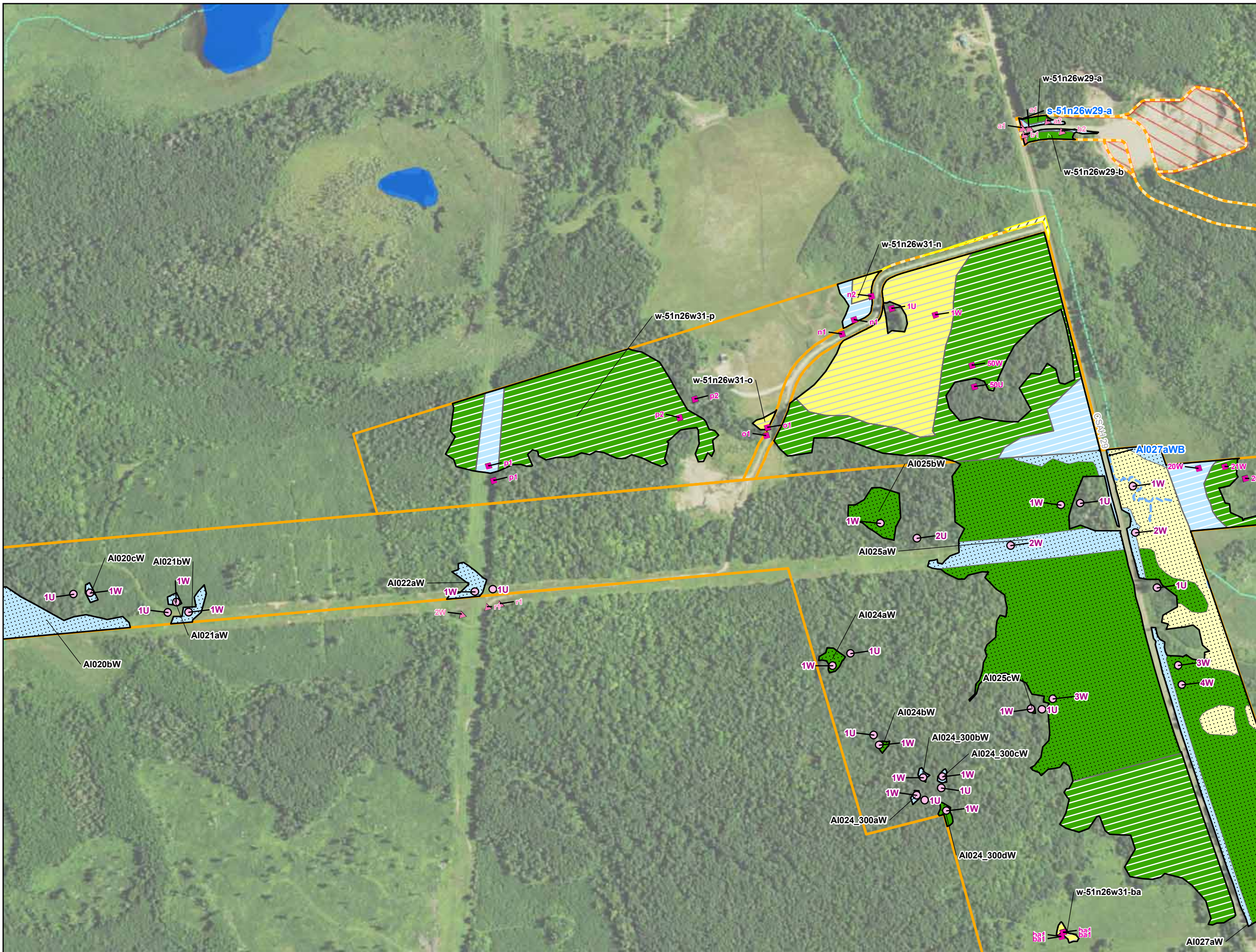
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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\_20180631\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
- 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**
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- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-4**

**Enbridge**

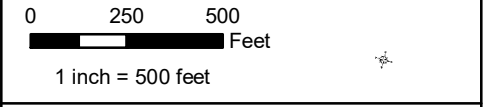
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_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 11-5**

**Enbridge**

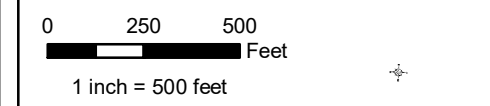
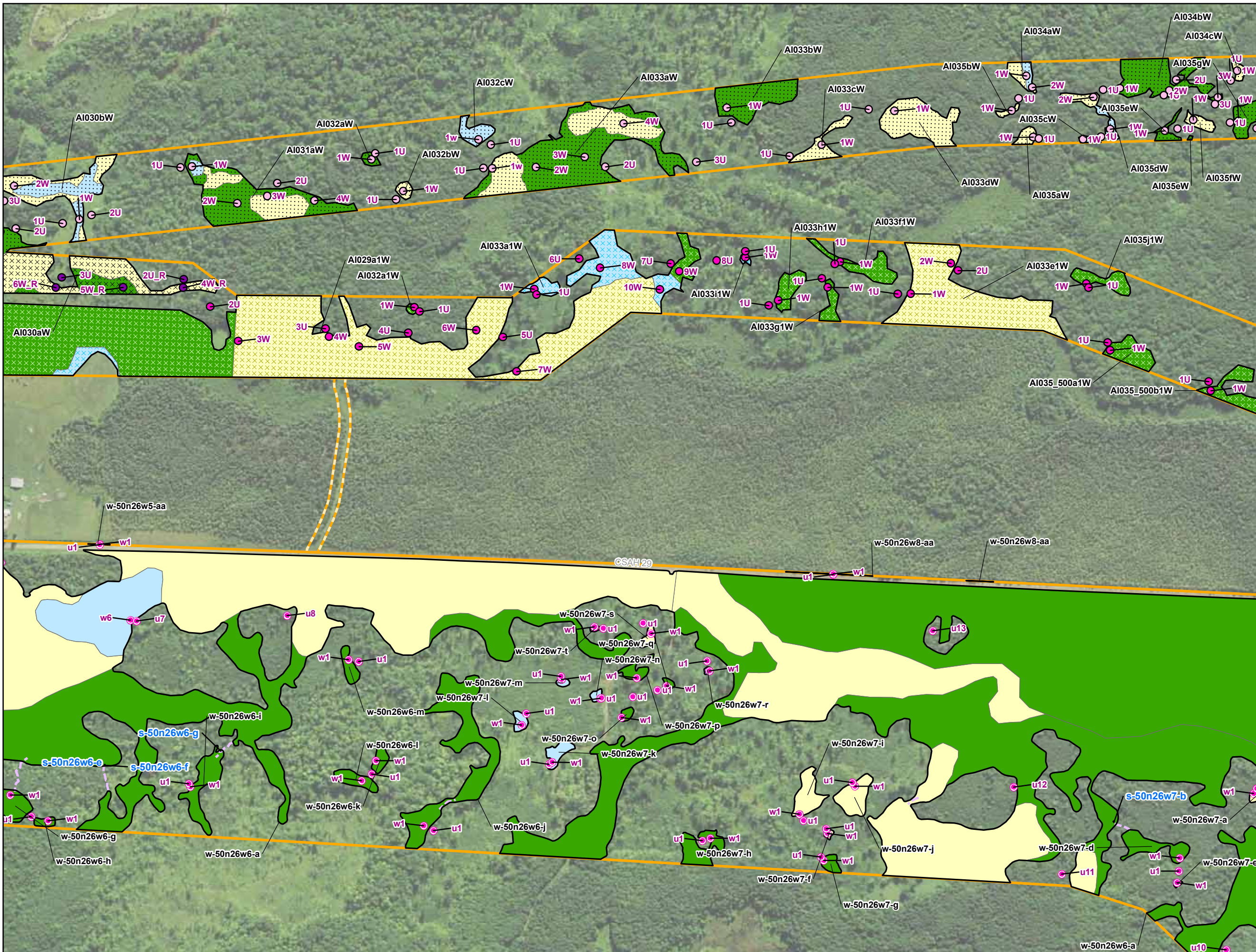
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\Wetland\_WB\_AppendixF\_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
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- PUB
- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-6**

**Enbridge**

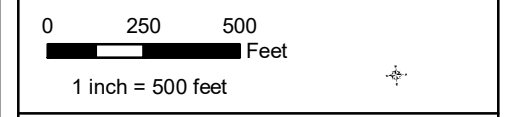
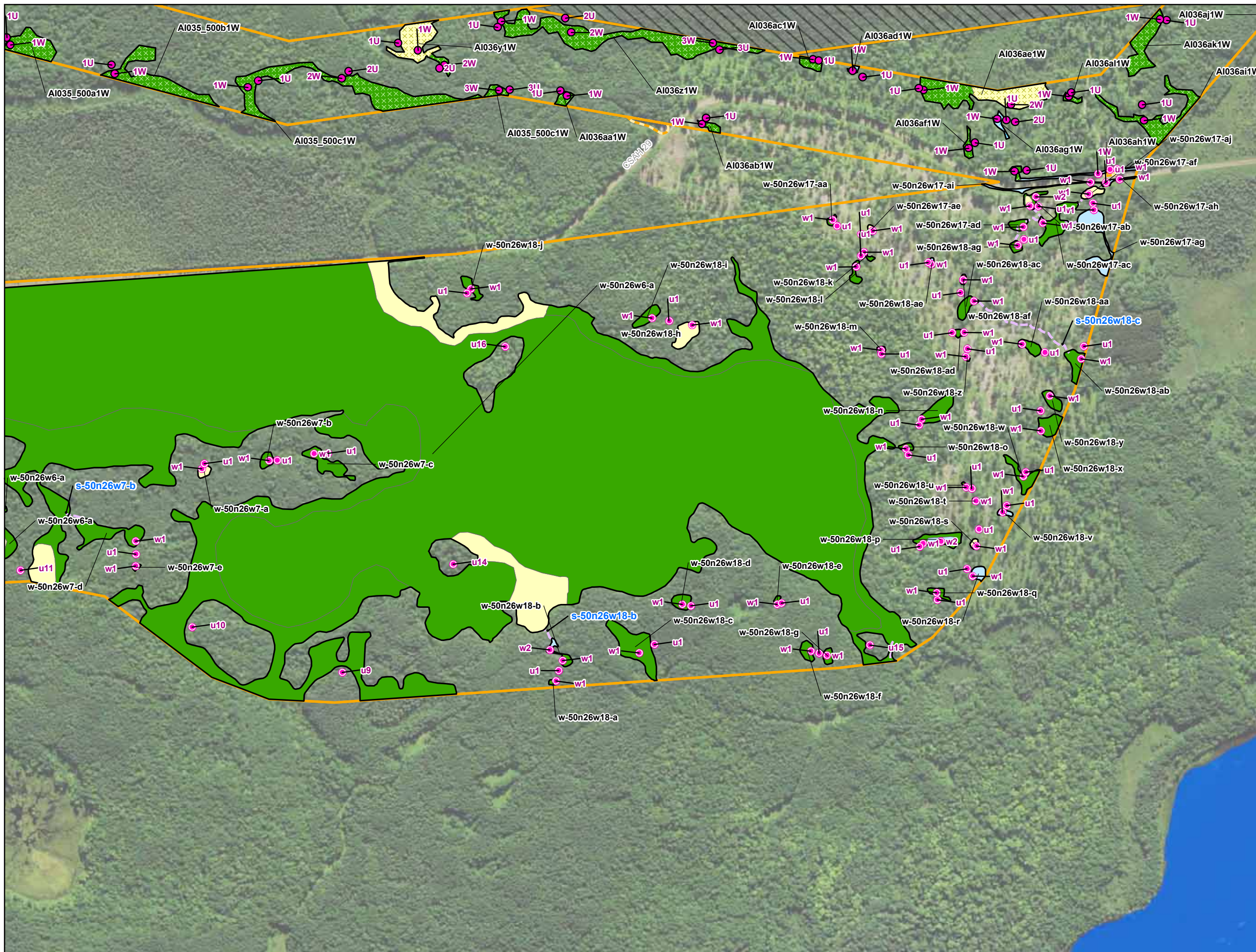
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\Wetland\Waterbody\Reposits\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
- 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**
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- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-7**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

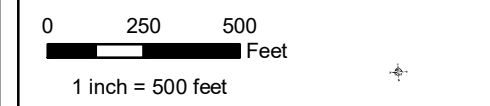
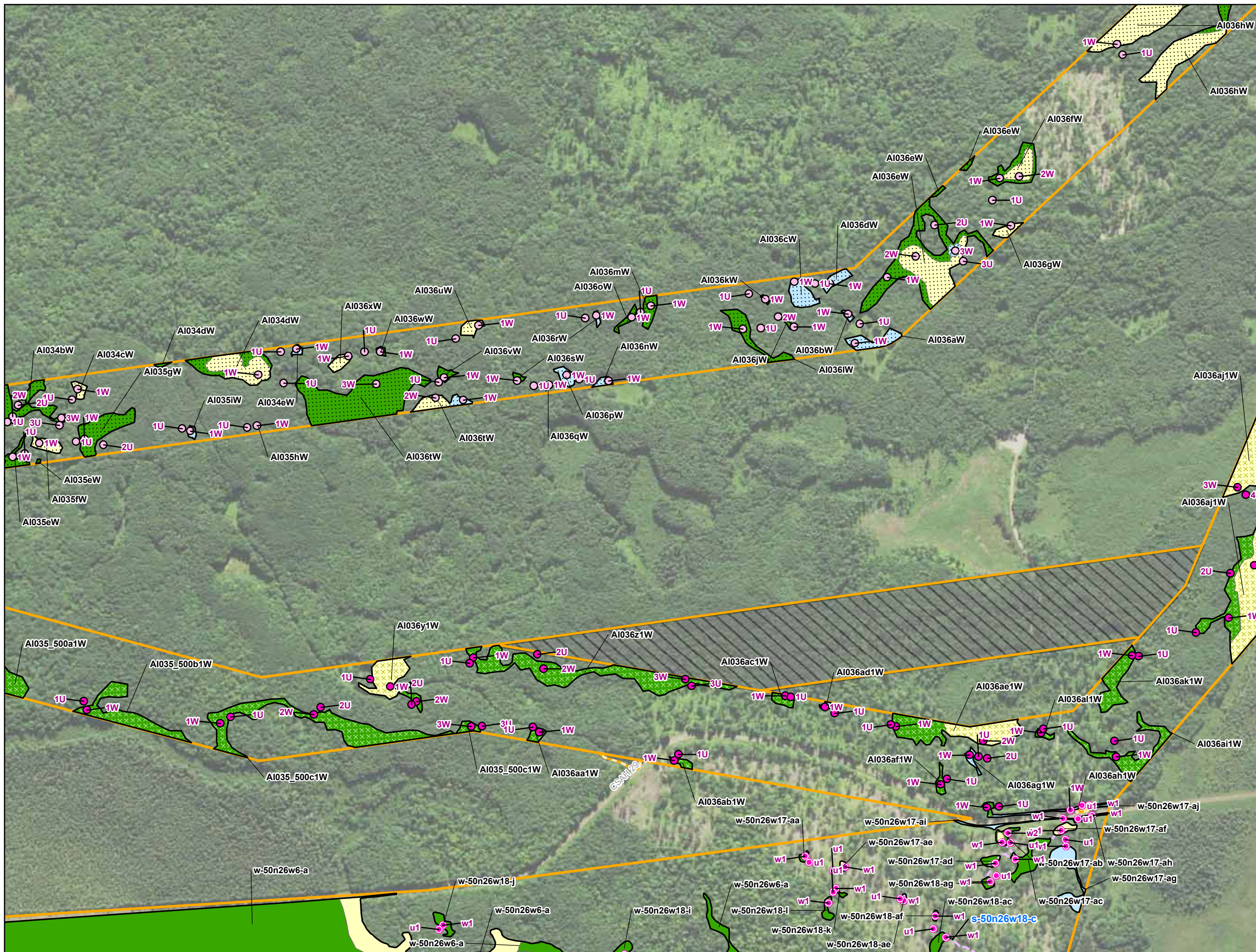
**Aitkin County, Minnesota**



For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180831\Wetland\_Waterbody\_20180831\Wetland\_Waterbody\_20180831.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**
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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**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
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- PFO
- PSS
- PUB
- 2015 Wetland**
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- PFO
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- PUB
- 2016 Wetland**
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- PFO
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- PUB
- 2017 Wetland**
- PEM
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- 2018 Wetland**
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- PFO
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- PUB

**Appendix F  
Exhibit F 11-8**

**Enbridge**

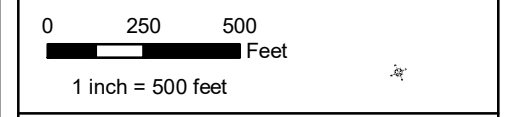
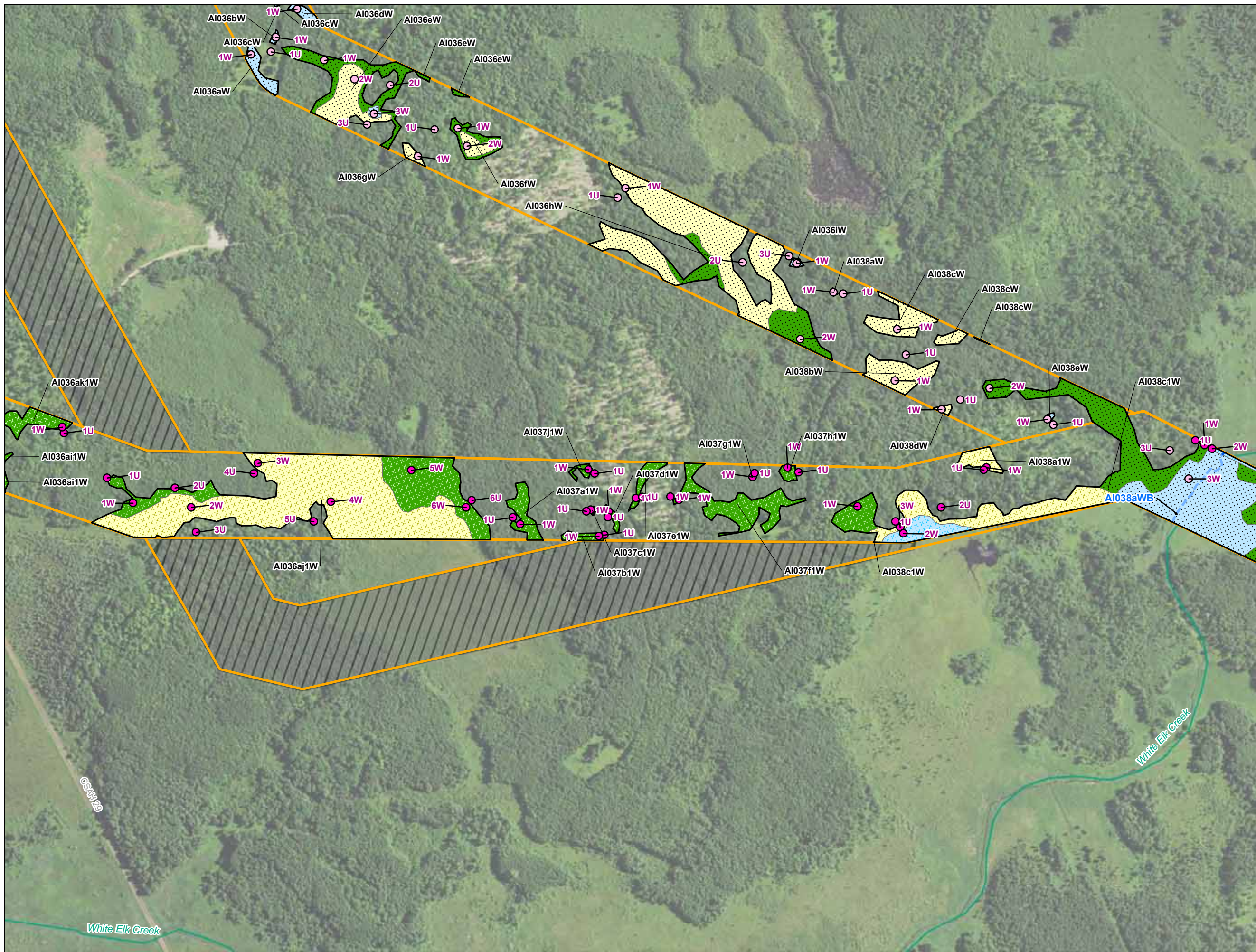
**Field Collected Wetlands and  
Waterbodies**

**Aitkin County, Minnesota**



Source: Z:\Clients\IE\_F\H\bridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\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
- 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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- 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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- PUB
- 2015 Wetland**
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- PSS
- PUB
- 2016 Wetland**
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- 2017 Wetland**
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- PSS
- PUB

**Appendix F  
Exhibit F 11-9**

**Enbridge**

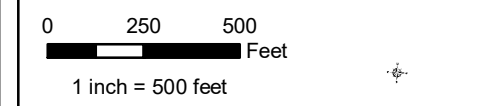
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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\_01\Wetland\_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**
- 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
- 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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- 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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- PSS
- PUB

**Appendix F**  
**Exhibit F 11-10**

**Enbridge**

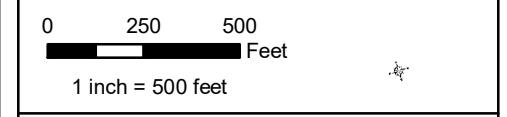
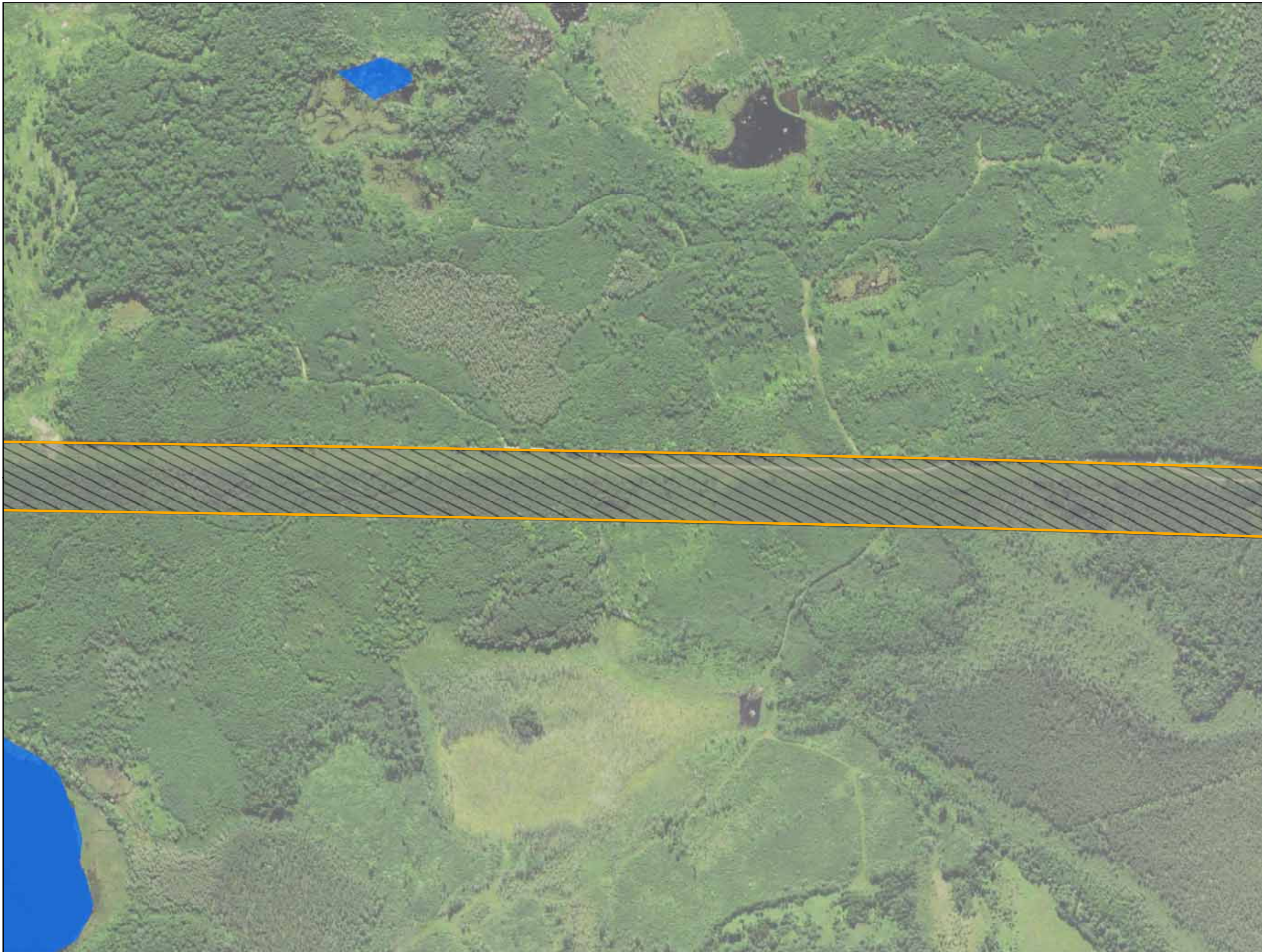
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\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
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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
- 2013 Wetland**
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- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
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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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- PFO
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- PUB
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- PUB

**Appendix F**  
**Exhibit F 11-11**

**Enbridge**

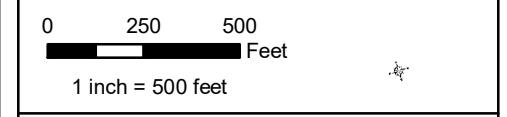
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Source: (9/20/2018) Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_2018060310M1\LSR\_Wetland\_WB\_AppendixF\_WIN.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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- 2014 Sample Point
- 2015 Sample Point
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- 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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- PFO
- PSS
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- 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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- PUB

**Appendix F**  
**Exhibit F 11-12**

**Enbridge**

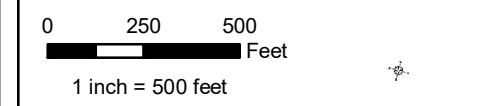
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Source: (9/20/2018) Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MIN\LSR\_Wetland\_WB\_AppendixF\_MIN.mxd





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- 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
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- 2018 Sample Point
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- 2014 Field Delineated Waterbody
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- 2018 Field Delineated Waterbody
- 2013 Wetland**
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- 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 11-13**

**Enbridge**

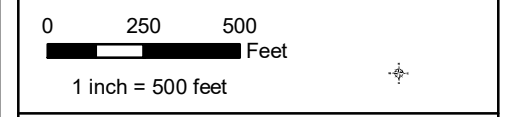
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\MINN\CR\_Wetland\_WB\_AppendixF\_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**
- 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 11-14**

**Enbridge**

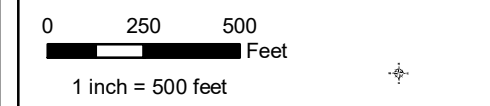
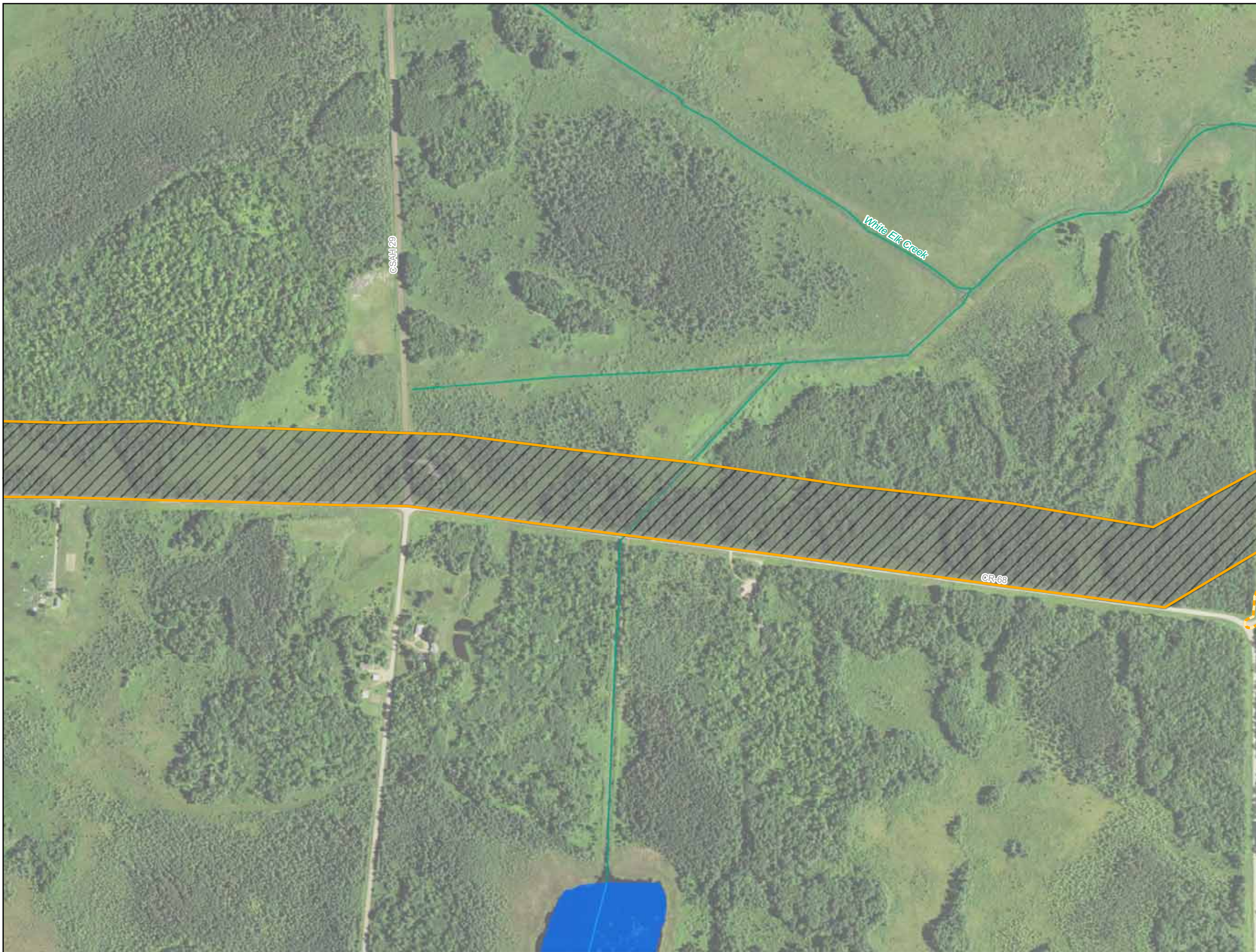
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_2018060310M1\CR\_Wetland\_WB\_AppendixF\_Min.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 11-15**

**Enbridge**

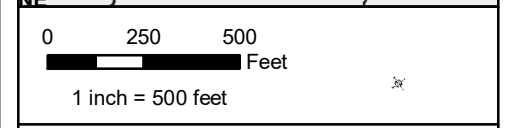
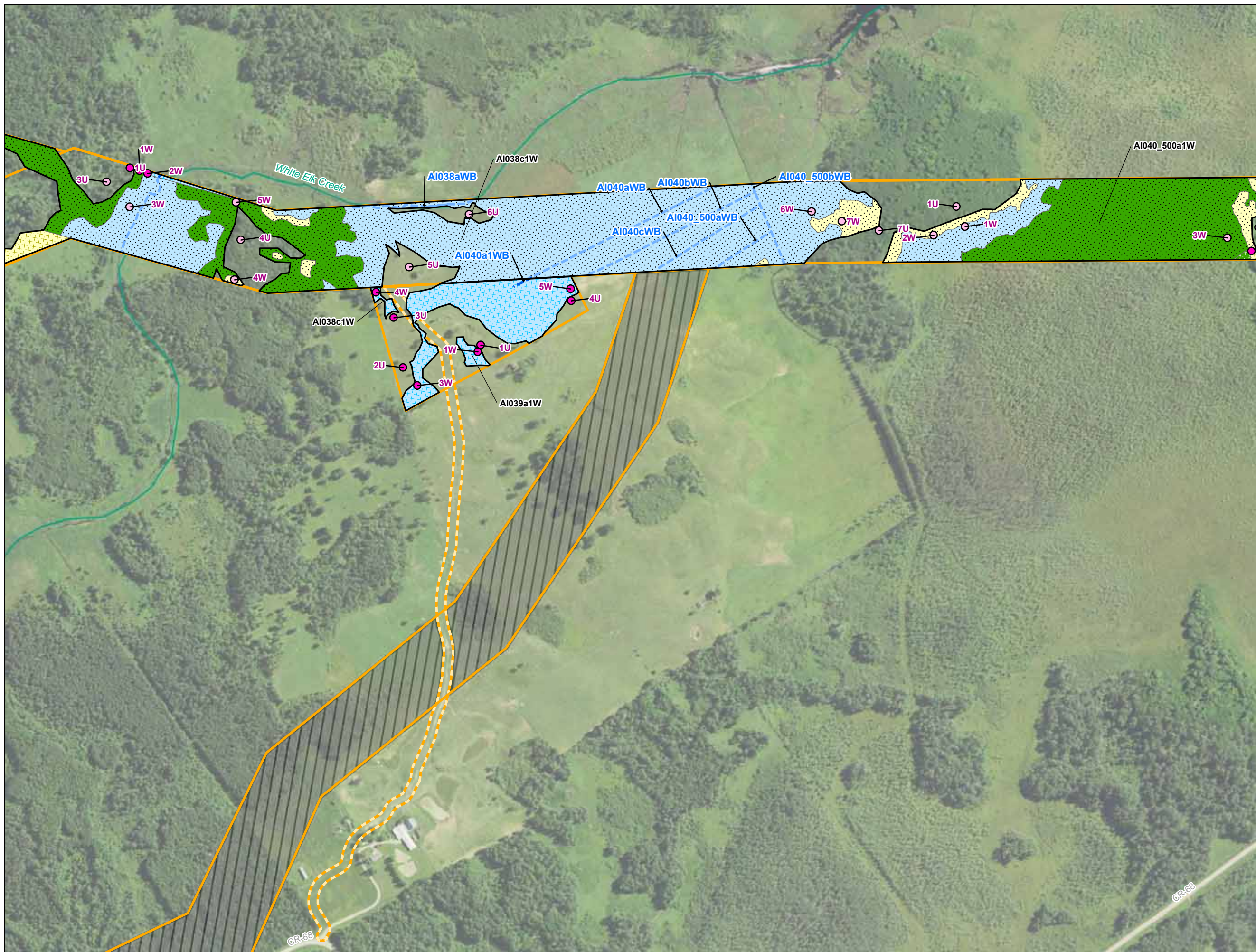
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\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
- 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 11-16**

**Enbridge**

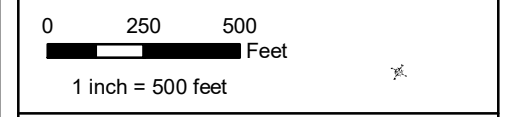
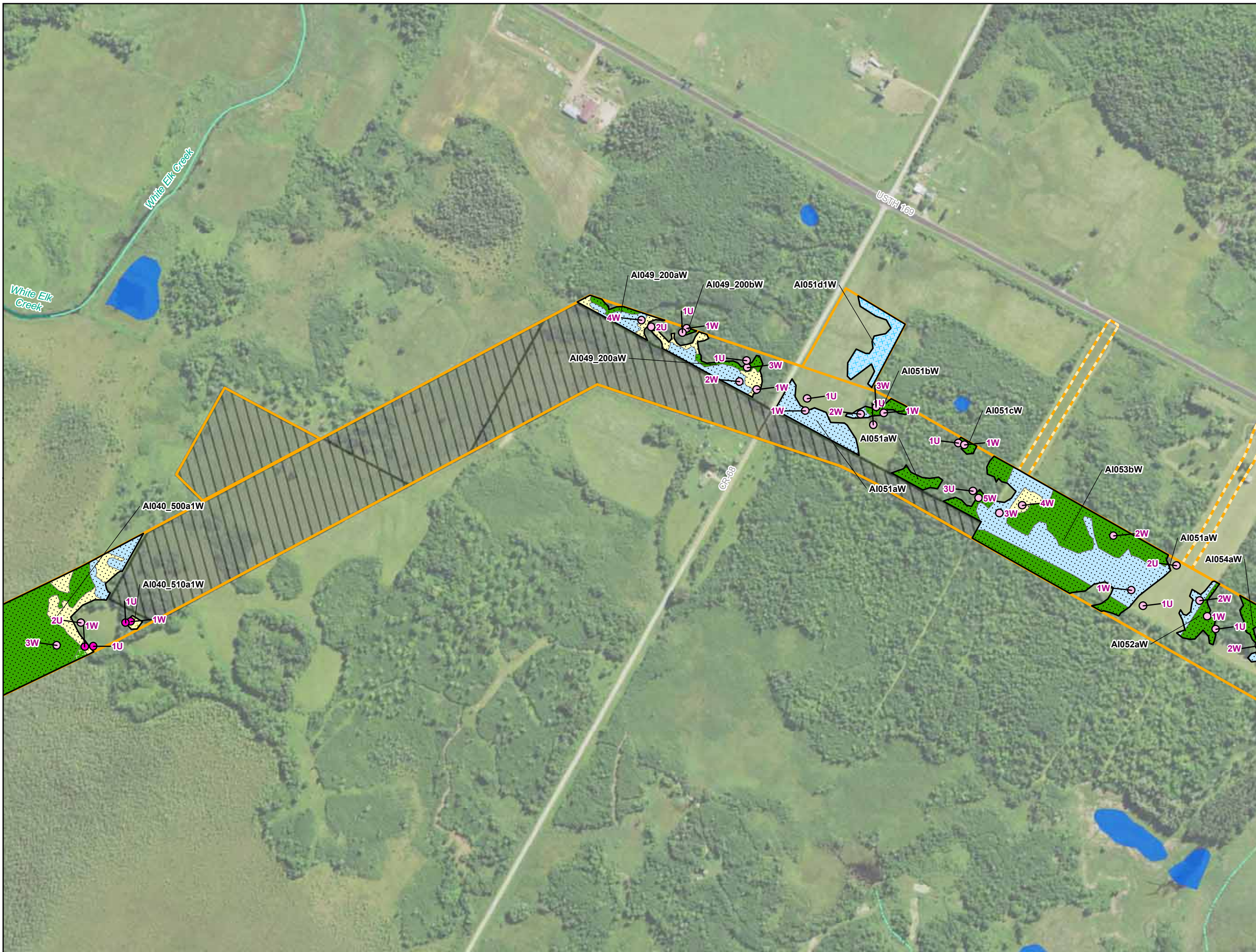
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_20180631\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
- 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 11-17**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

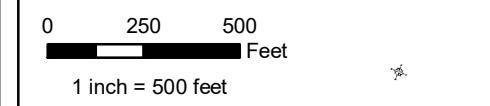
For Environmental Review Purposes Only September 2018

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- 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
- L1U
- 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 11-19**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

**ENBRIDGE**

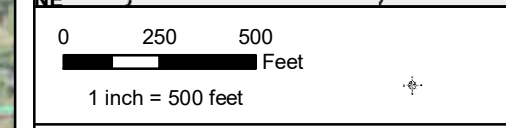
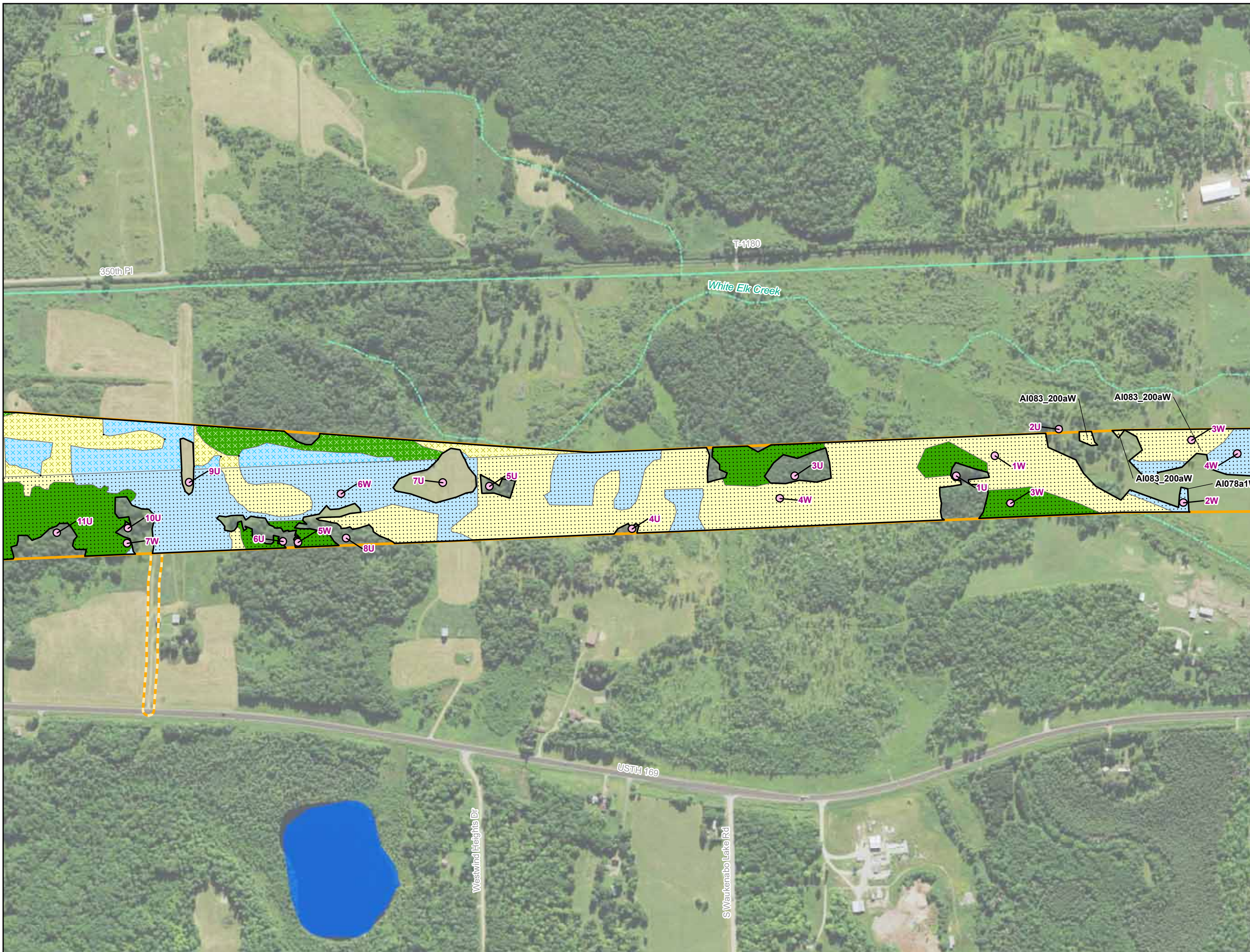
For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE\_F\IE\bridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.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 11-21**

**Enbridge**

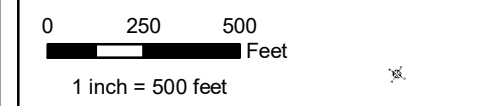
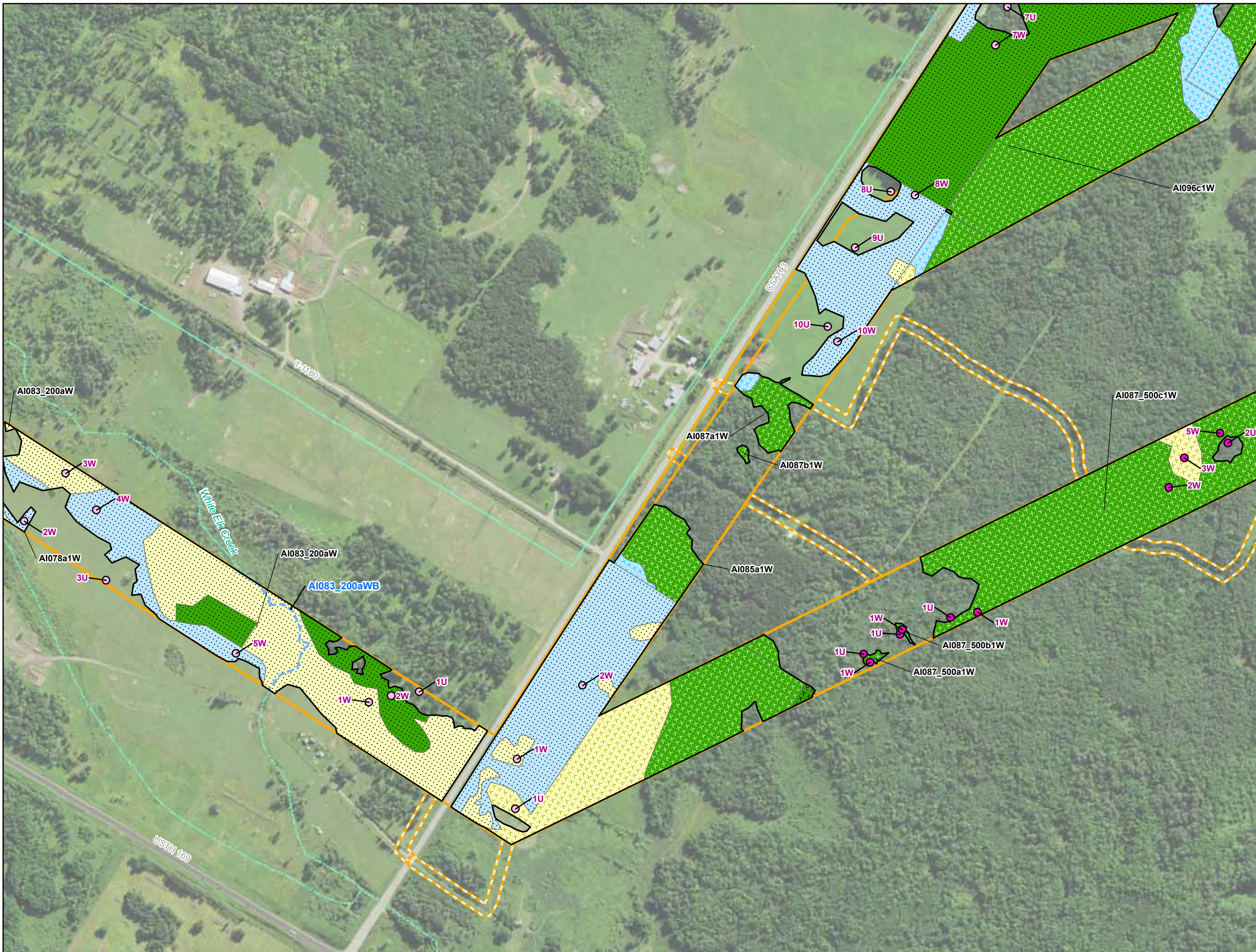
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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
- PFO
- PSS
- L1U
- 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 11-22**

**Enbridge**

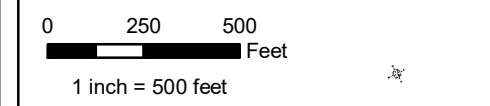
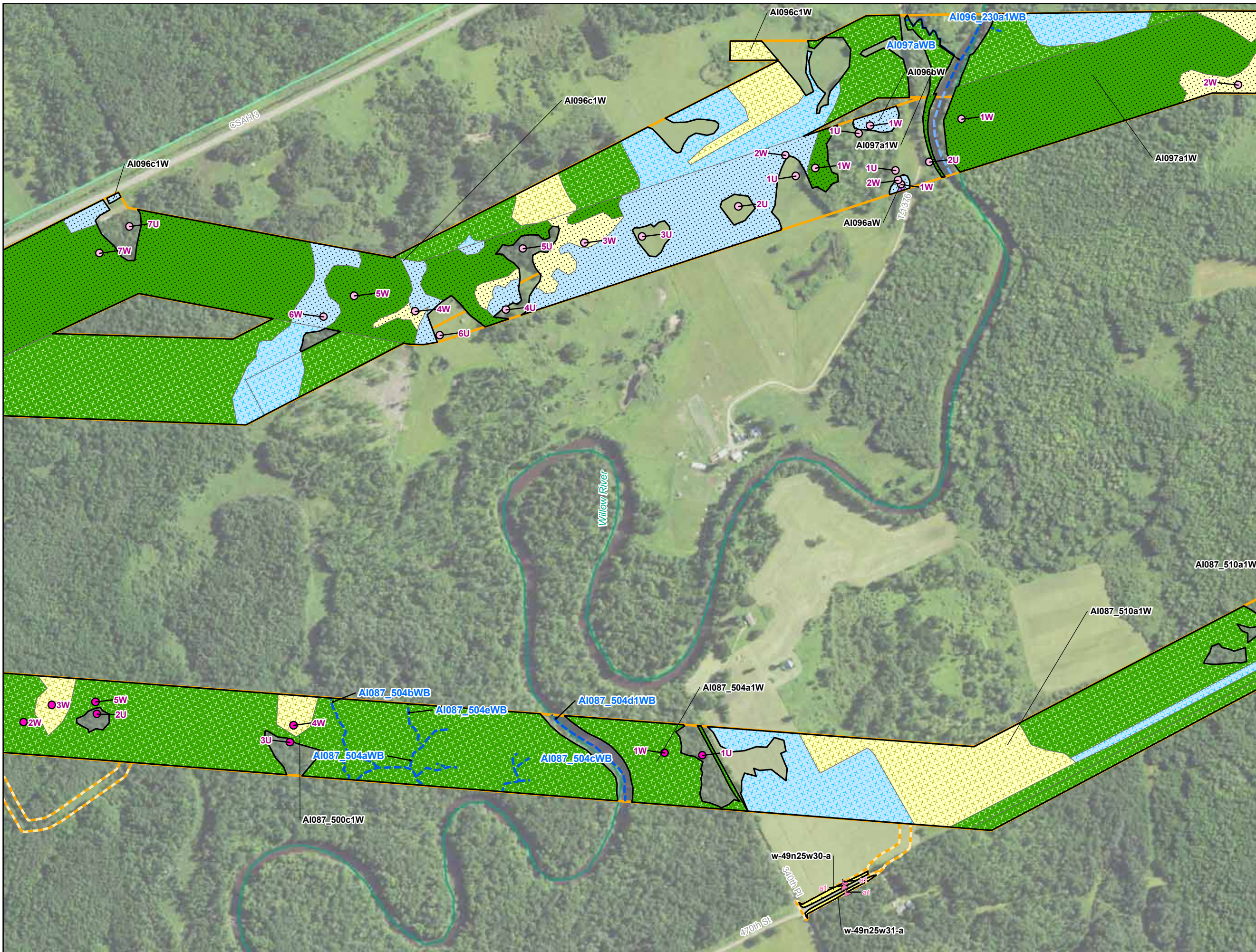
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\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
- 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 11-23**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

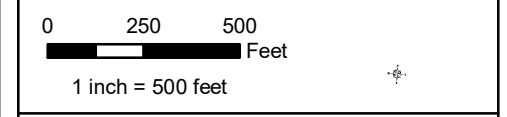
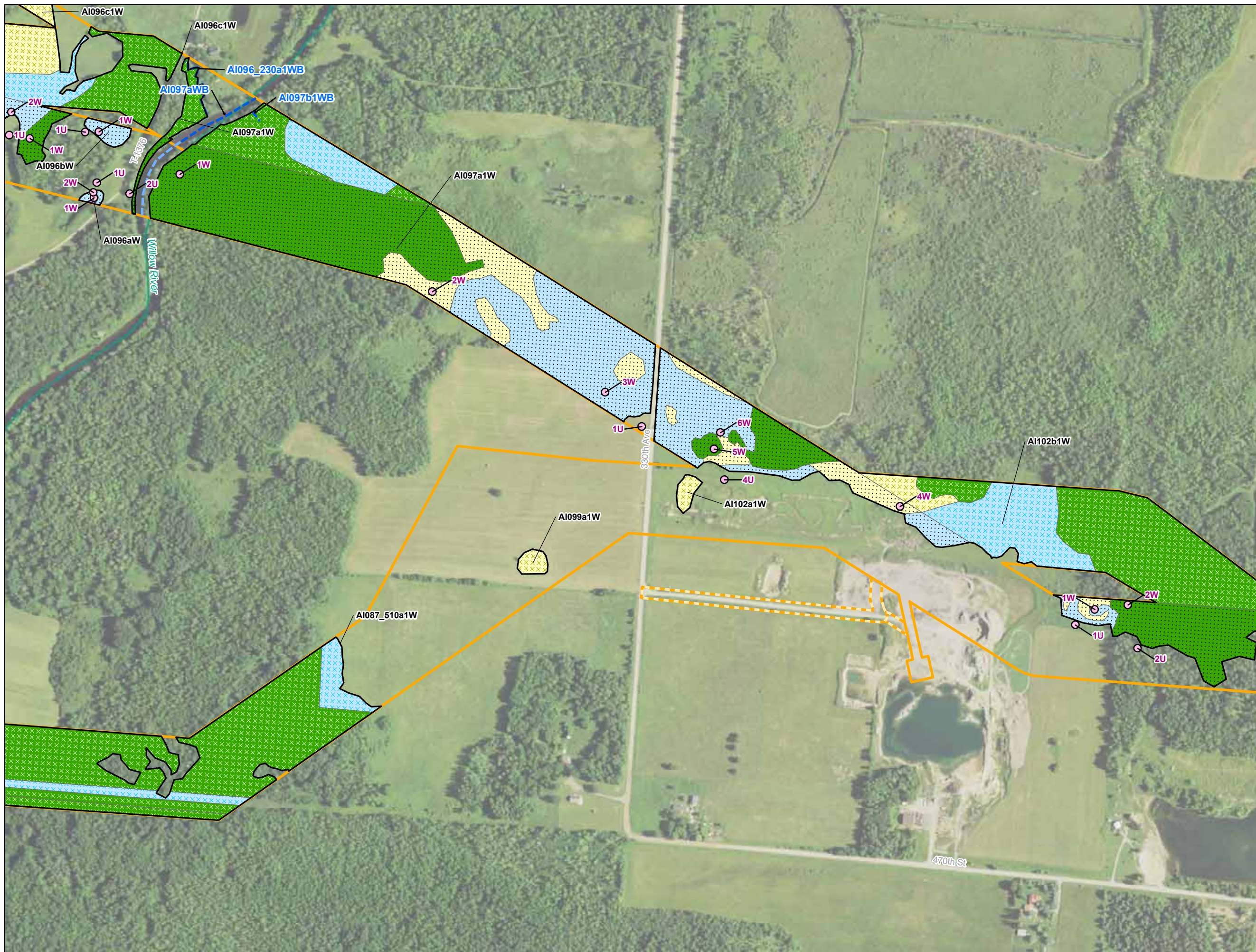
**Aitkin County, Minnesota**



For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\IE\bridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631.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 11-24**

**Enbridge**

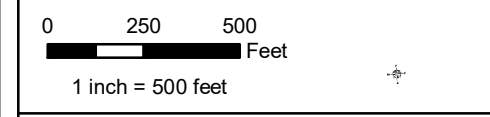
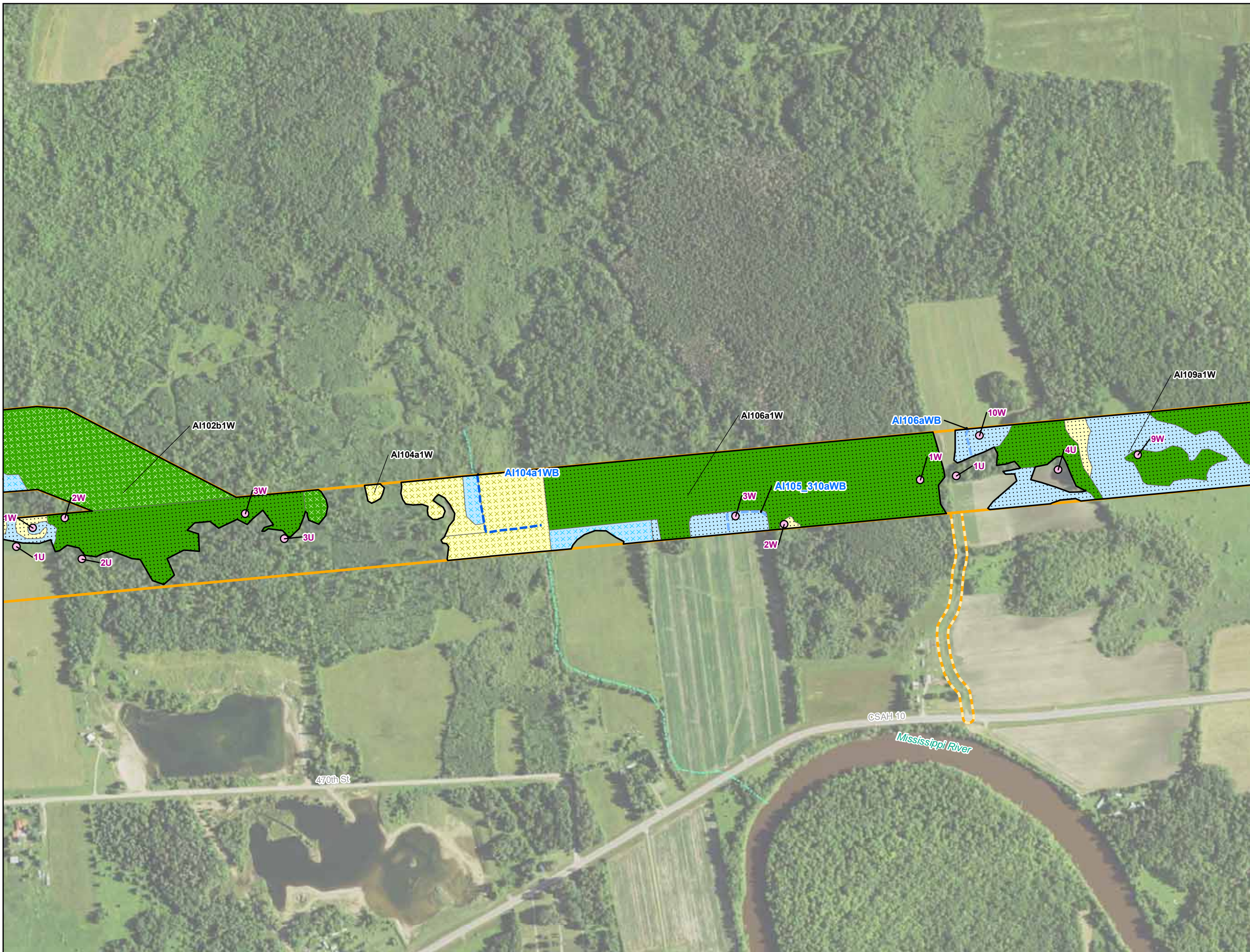
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\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
- 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 11-25**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

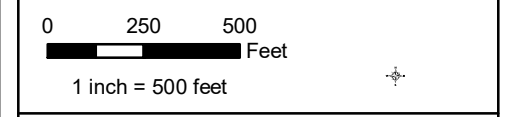
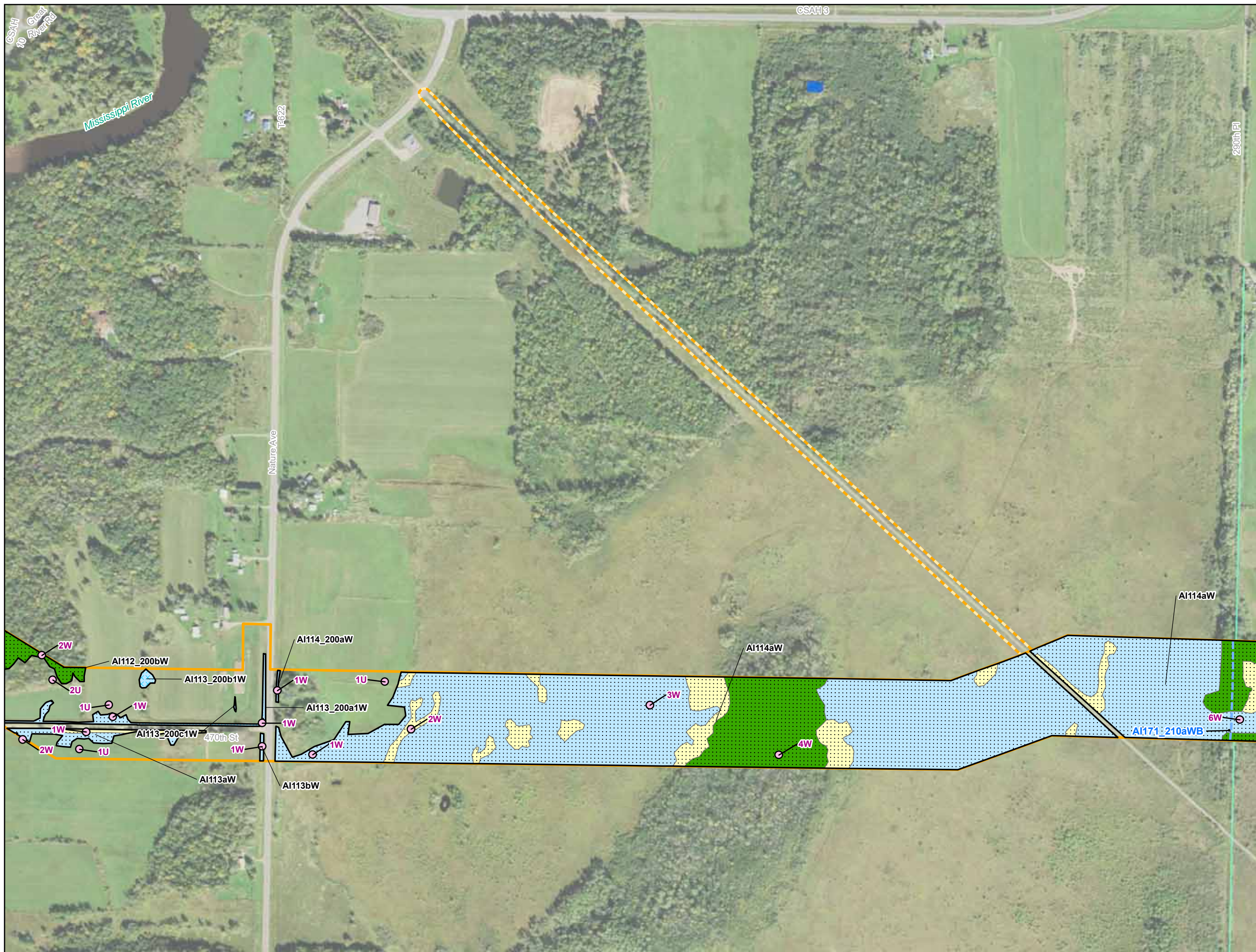
For Environmental Review Purposes Only September 2018

Source: (9/20/2018) Z:\Clients\IE\_F\IE\bridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_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 11-27**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

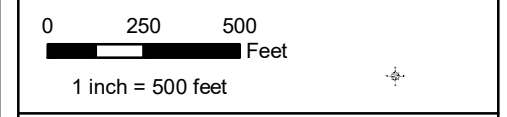
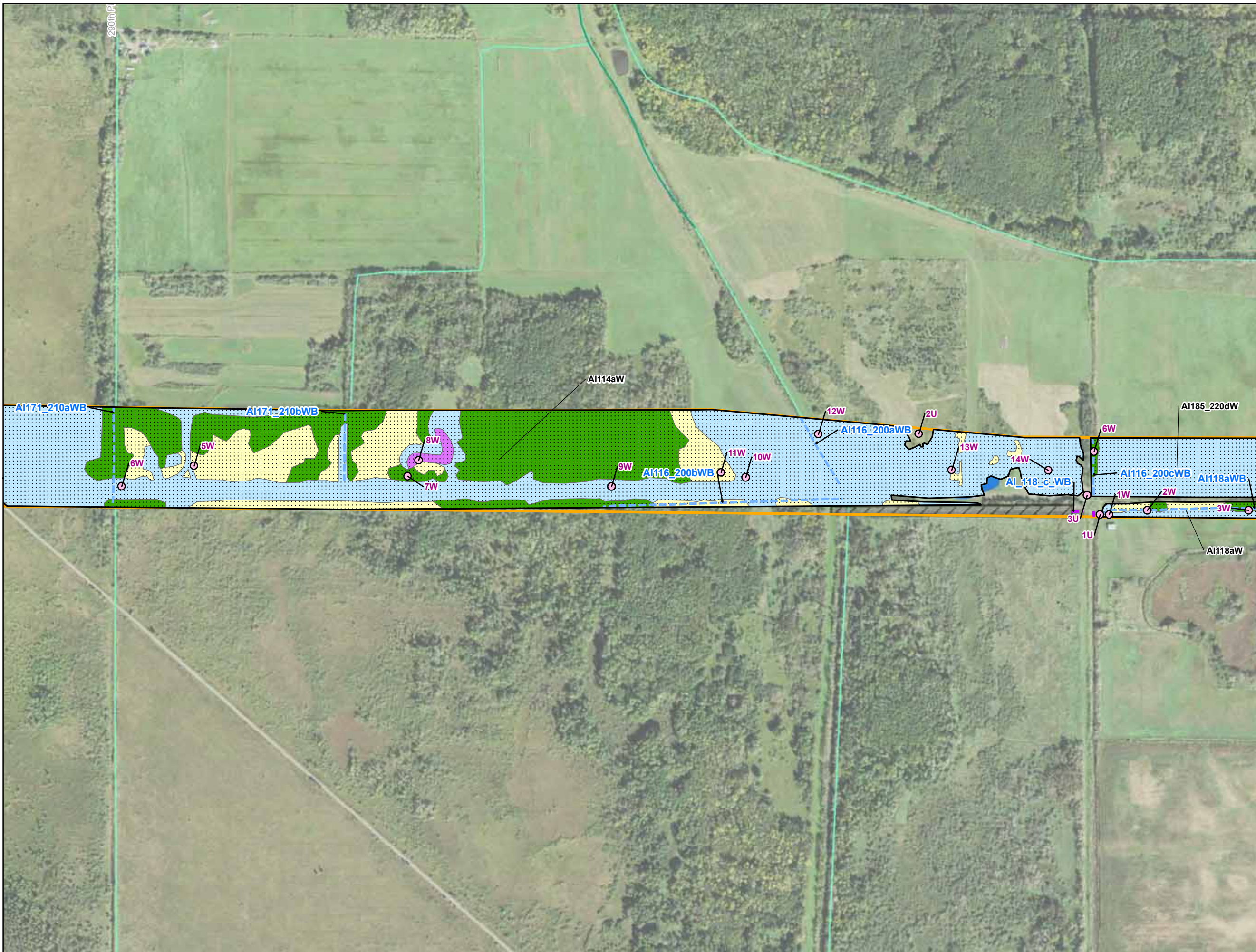
**Aitkin County, Minnesota**



For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\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**
- 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 11-28**

**Enbridge**

**Field Collected Wetlands and  
Waterbodies**

**Aitkin County, Minnesota**



Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_AppendixF\_Wetland\_WB.mxd

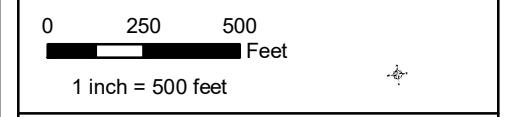
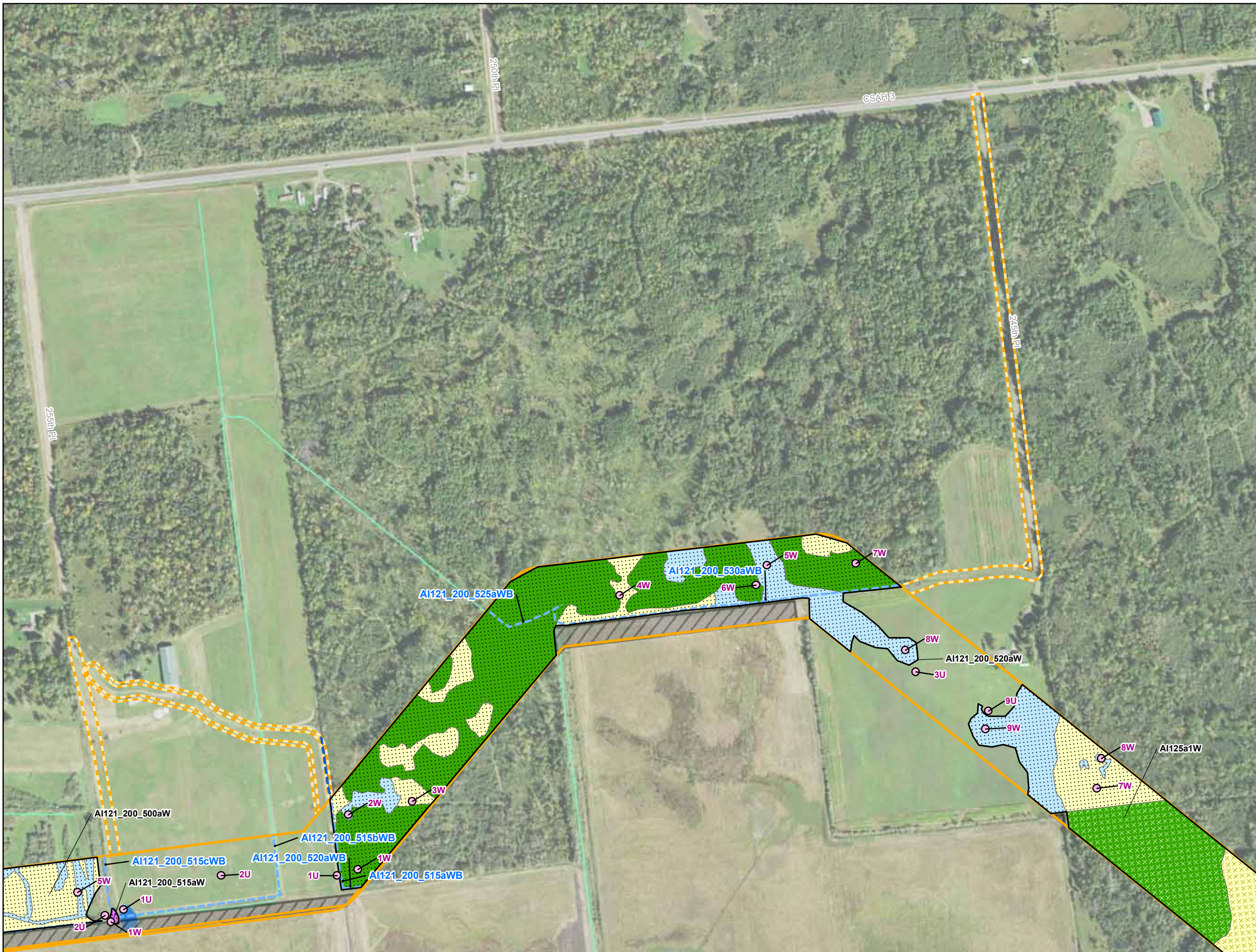












- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated 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 11-31**

**Enbridge**

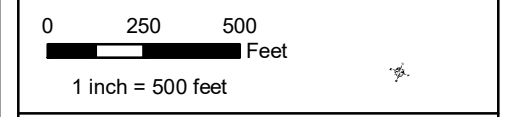
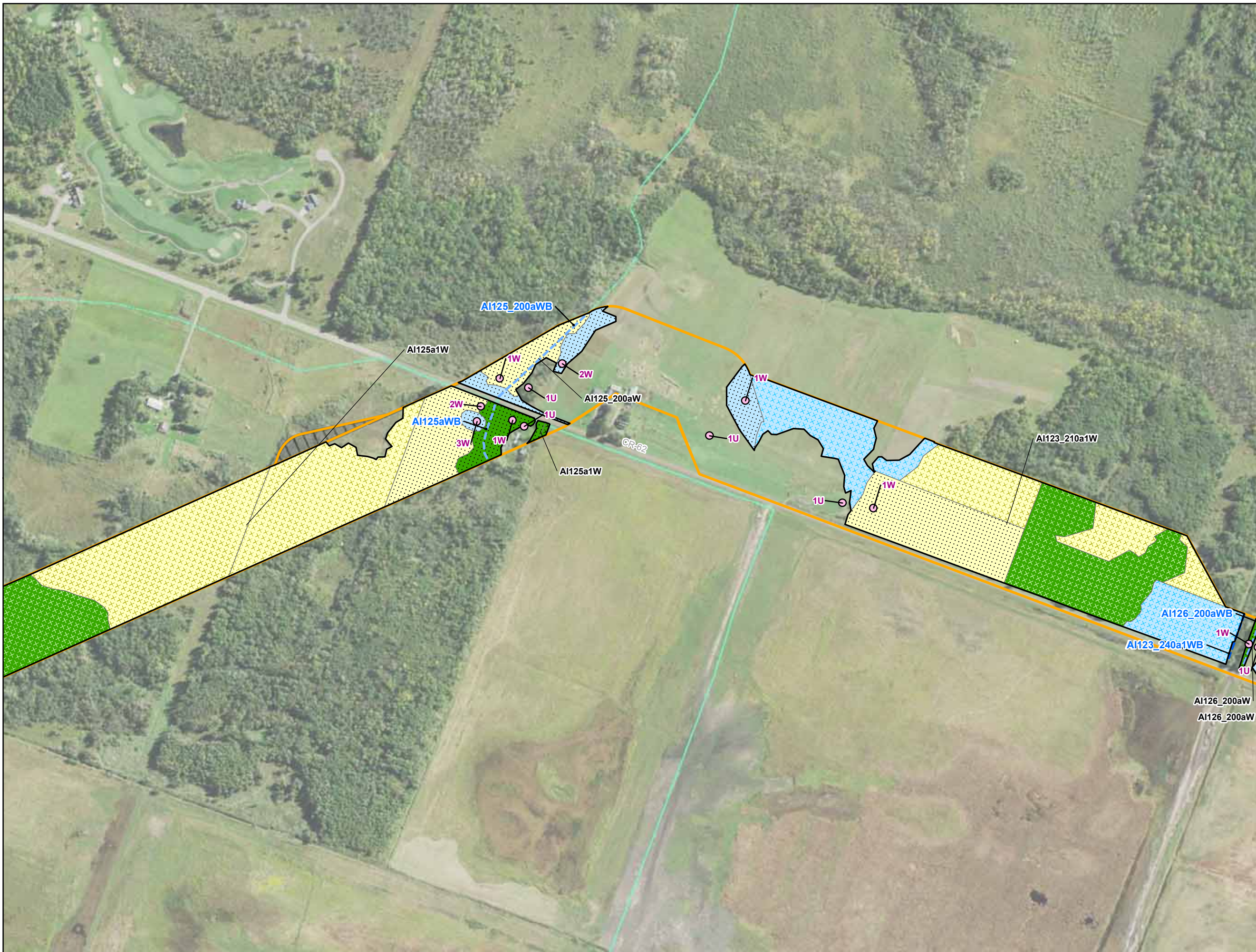
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\Wetland\_20180631\Wetland\_Waterbody\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\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
- 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 11-32**

**Enbridge**

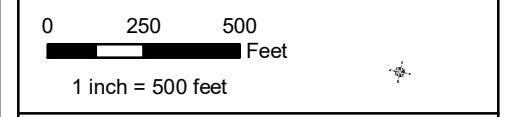
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_20180631\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
- PFO
- PSS
- L1U
- 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 11-33**

**Enbridge**

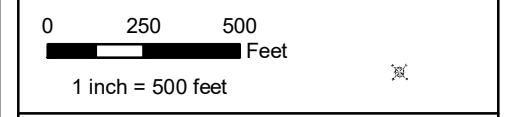
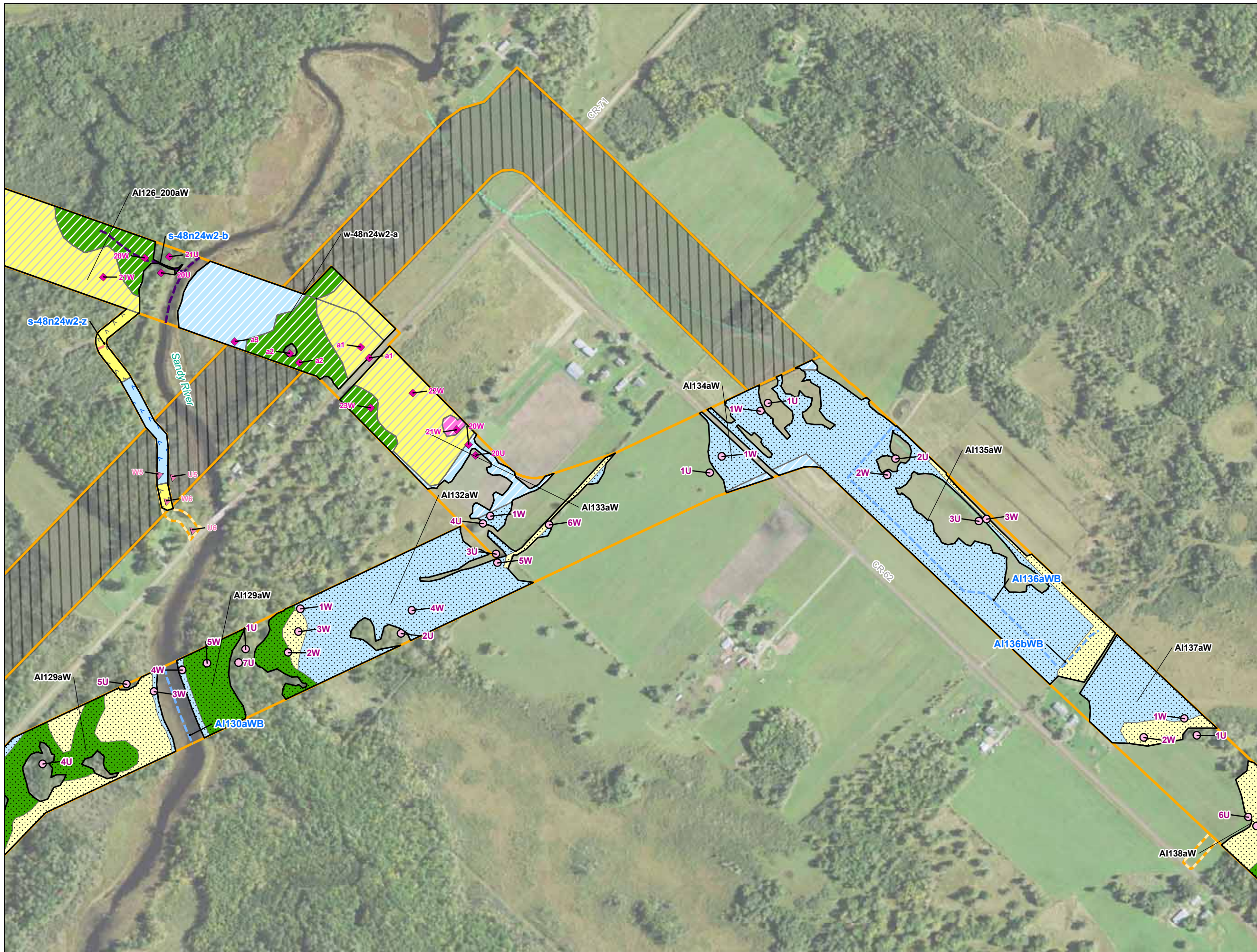
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_FHE\bridgeLine\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\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
- 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 11-34**

**Enbridge**

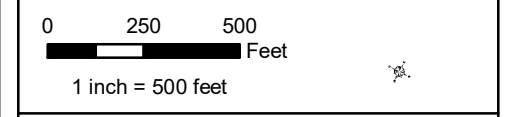
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\Wetland\_Waterbody\_20180631\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
- 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 11-35**

**Enbridge**

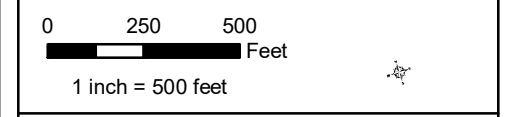
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.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 11-36**

**Enbridge**

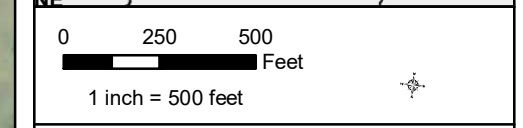
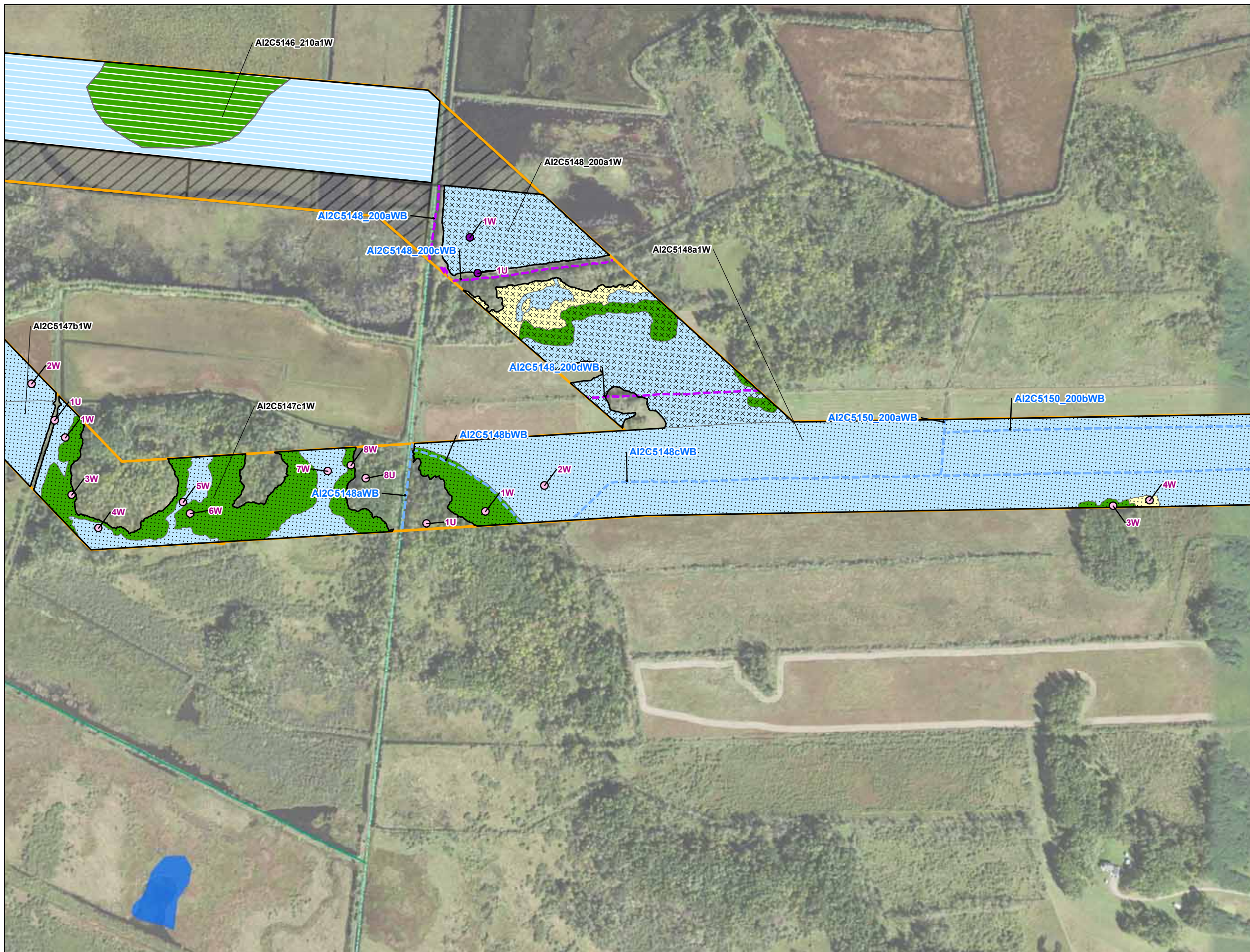
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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
- L1UB
- 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 11-37**

**Enbridge**

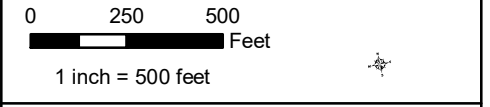
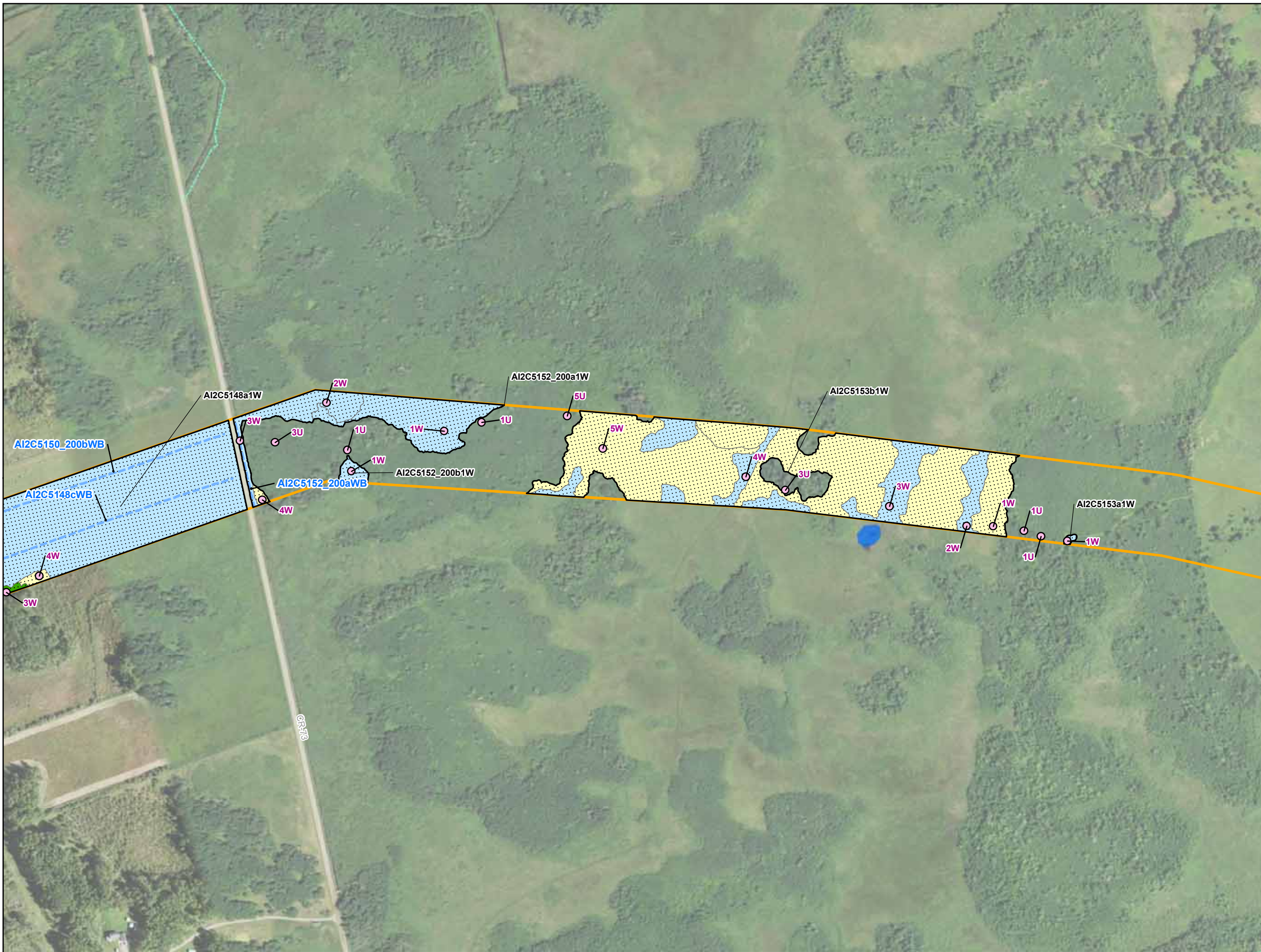
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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

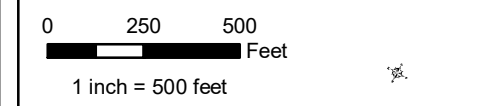
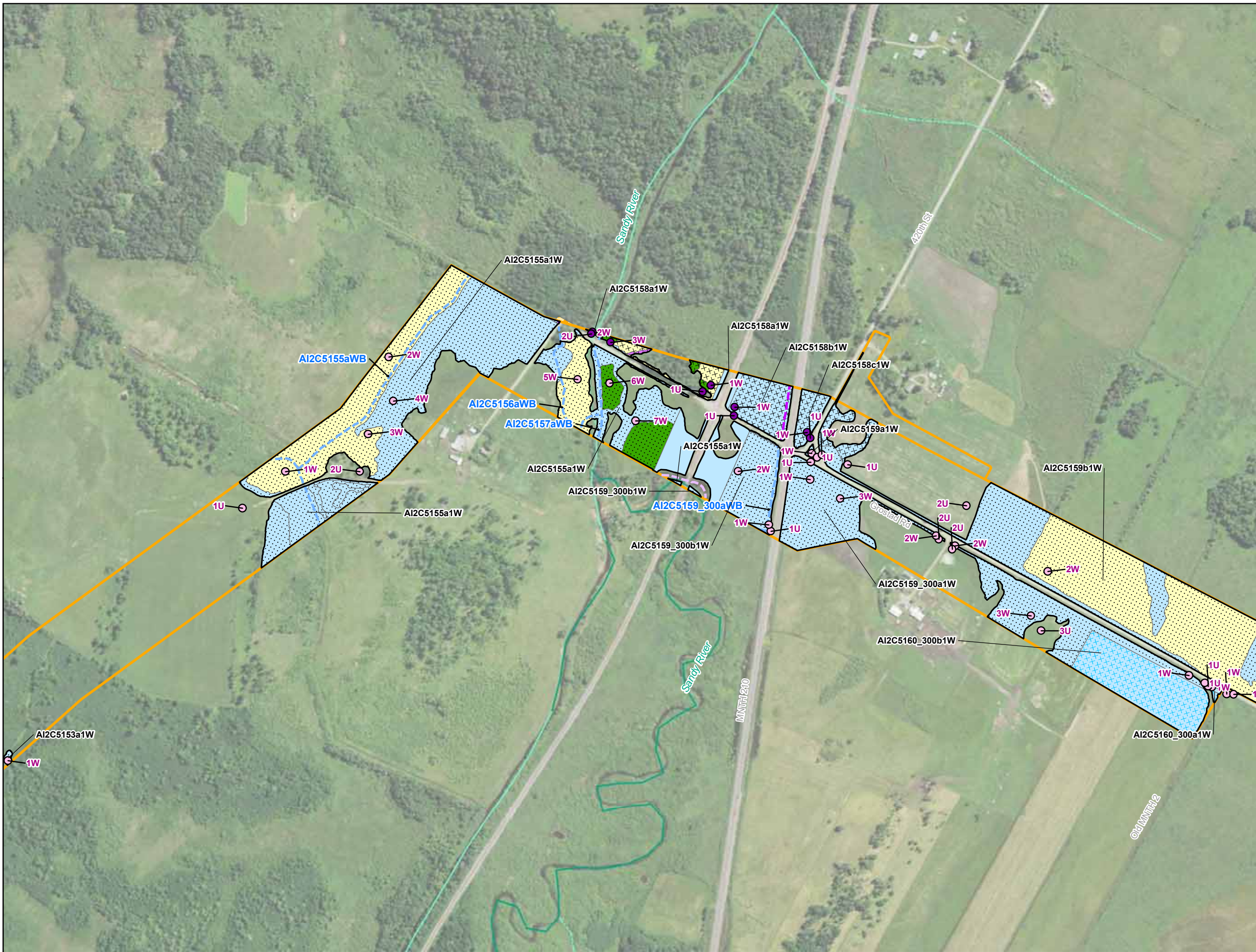
**Appendix F  
Exhibit F 11-38**

**Enbridge**  
**Field Collected Wetlands and  
Waterbodies**  
**Aitkin 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\_20180631\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
- PFO
- PSS
- L1U
- 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 11-39**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**



For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE\_F\Enbridge\IE\_Data\Wetland\Wetland\Waterbody\Reports\Wetland\_Waterbody\_2018060310\MT133R\_Wetland\_WB\_AppendixF\_MN.mxd

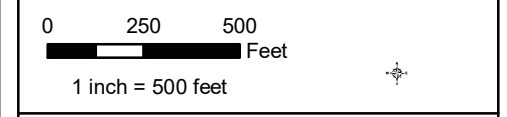
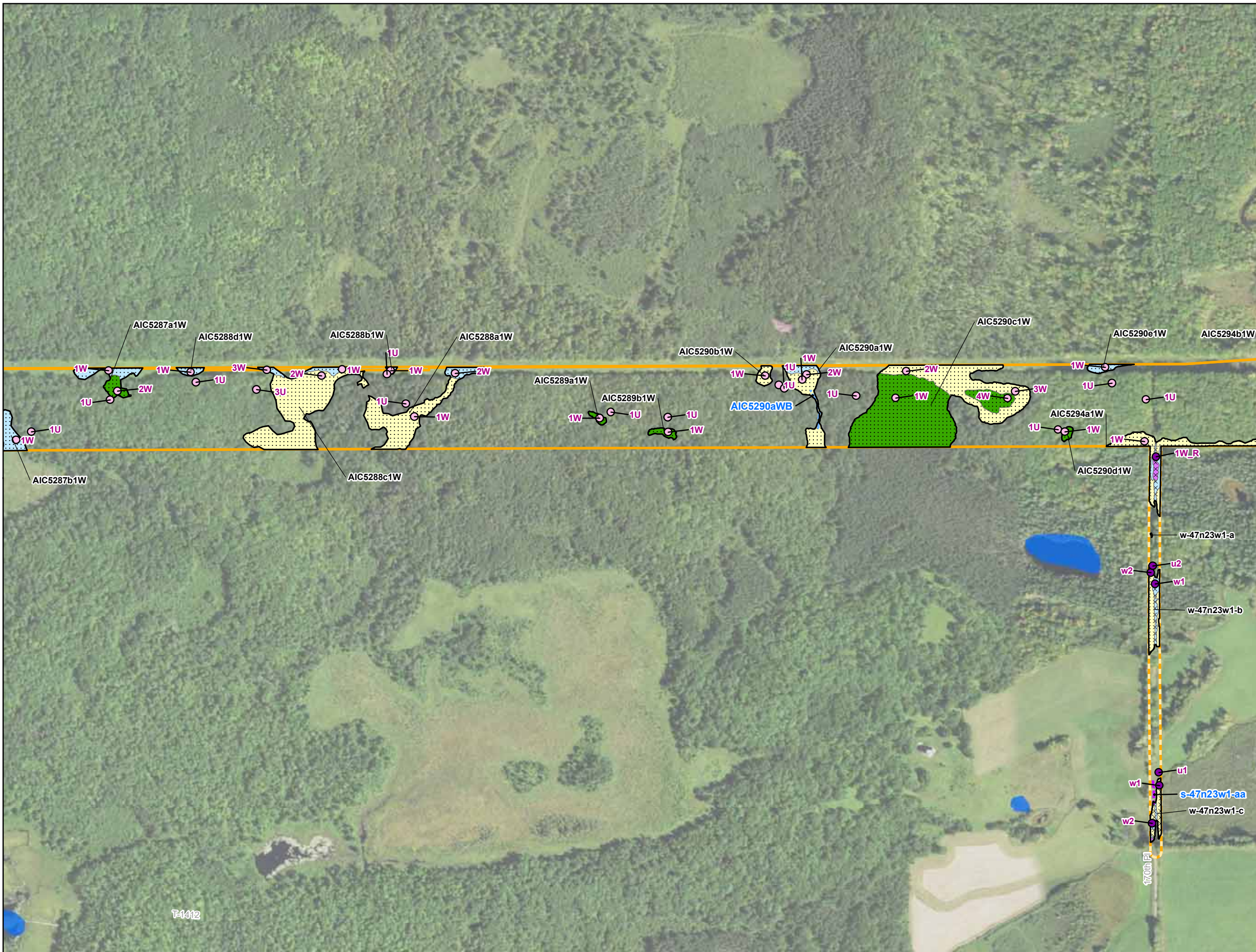












- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- L1U
- PUB
- R2U; R4S; R5U; R3U
- Field Delineated 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 11-42**

**Enbridge**

**Field Collected Wetlands and  
Waterbodies**

**Aitkin County, Minnesota**



T1412

Source: Z:\Clients\IE\_F\IE\bridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_AppendixF\_Wetland\_Waterbody.mxd









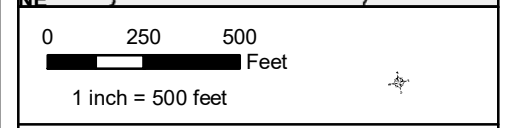
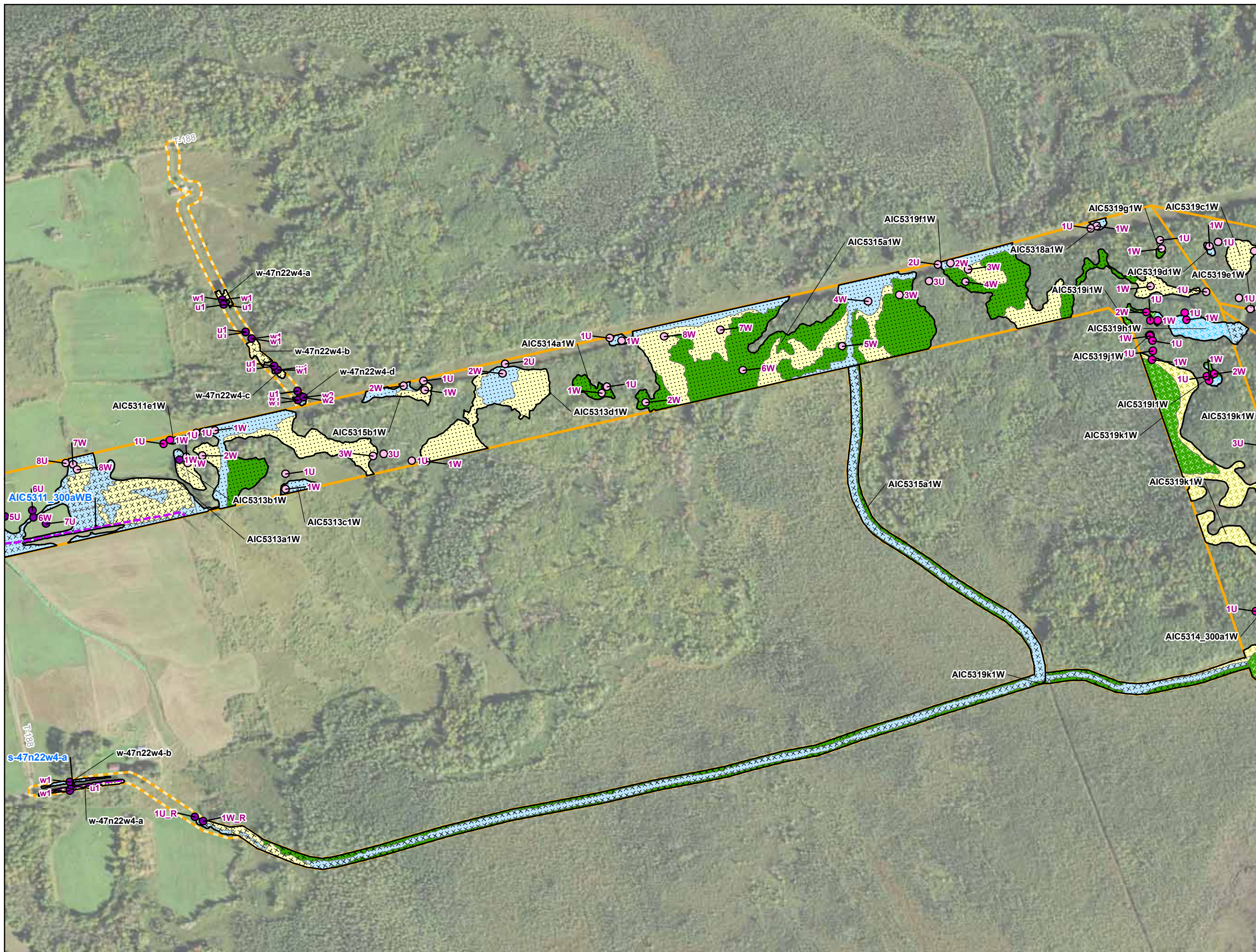













- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated 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 11-47**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

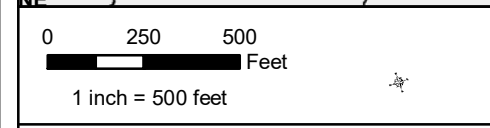
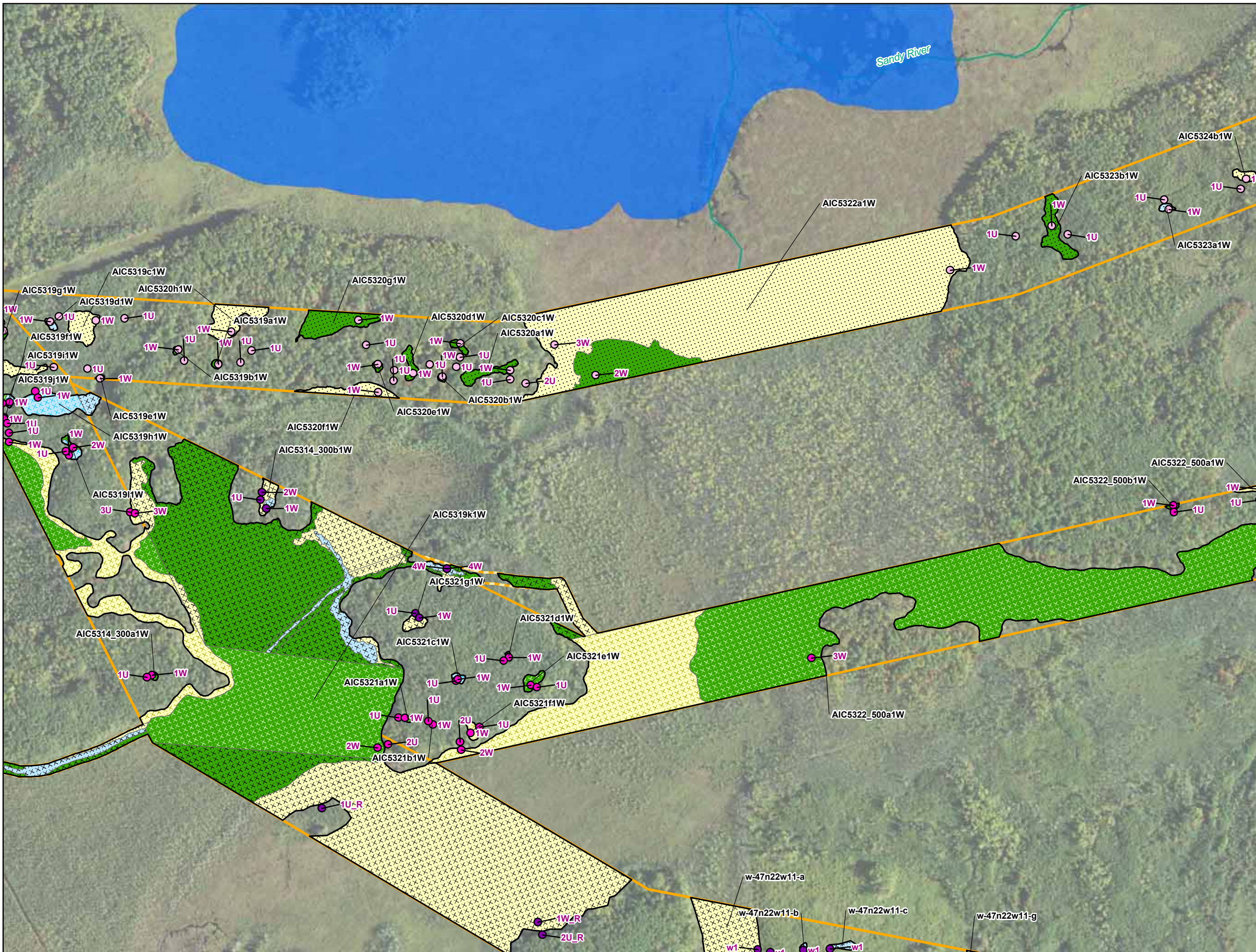
**Aitkin County, Minnesota**



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\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
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- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-48**

**Enbridge**

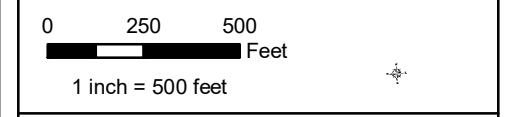
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

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



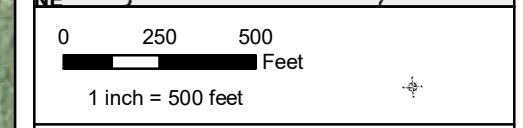
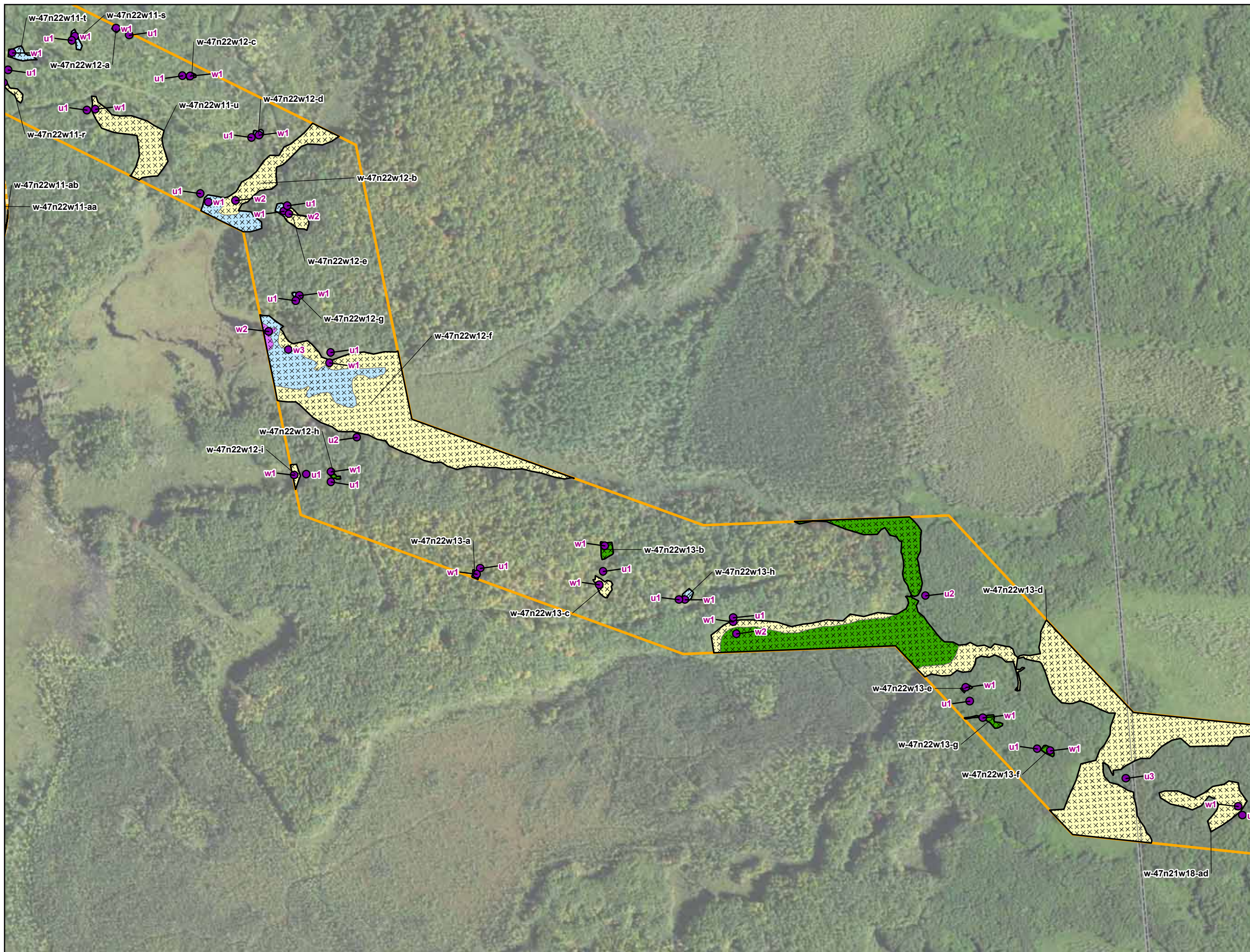


- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- PSS
- PUB
- L1U
- R2U; R4S; R5U; R3U
- Field Delineated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









- 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 11-51**

**Enbridge**

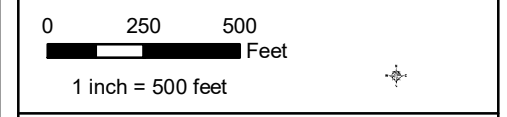
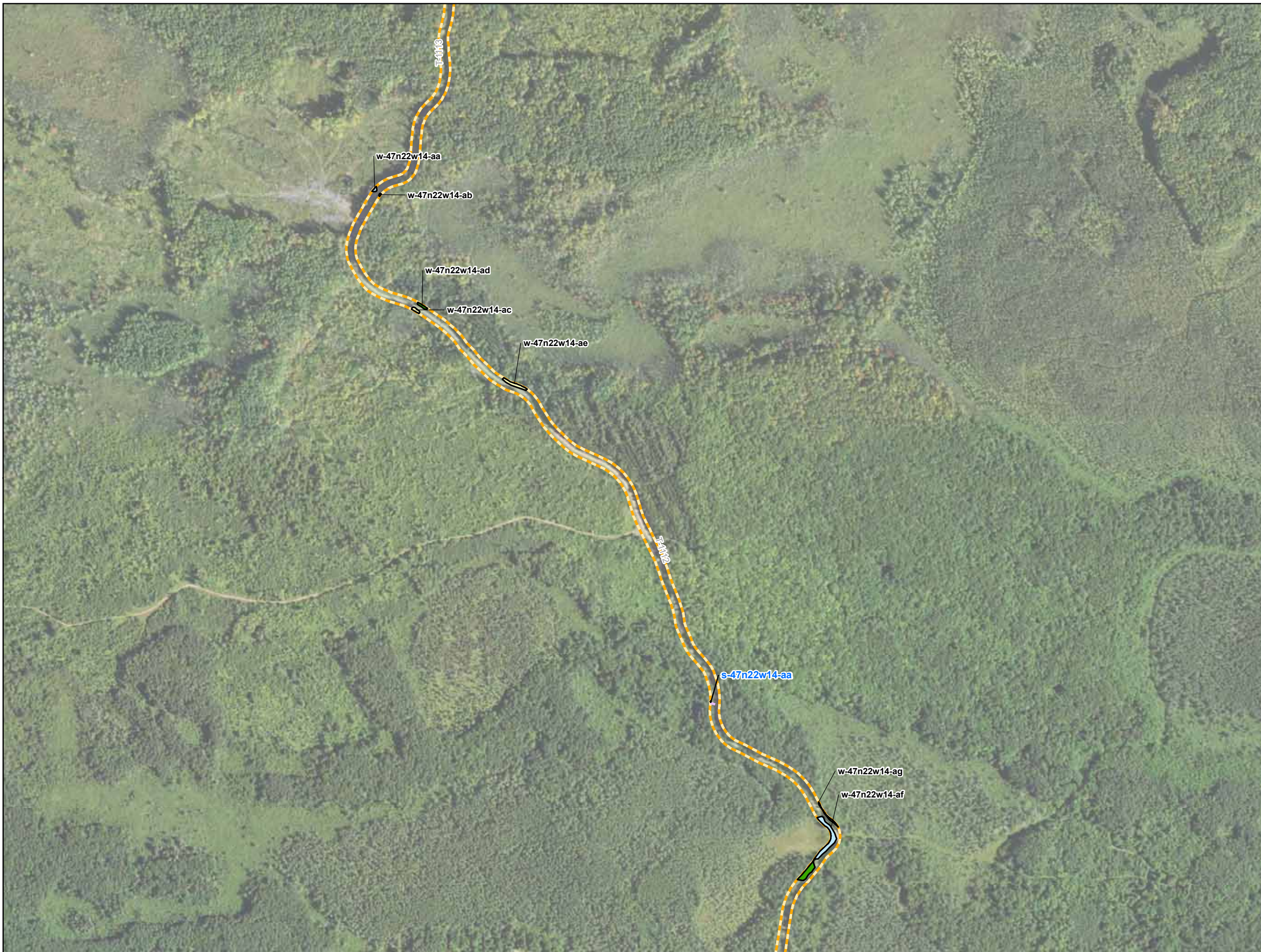
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE\_FHE\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**
- 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**
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- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
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- PUB
- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
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- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-52**

**Enbridge**

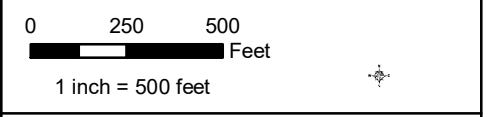
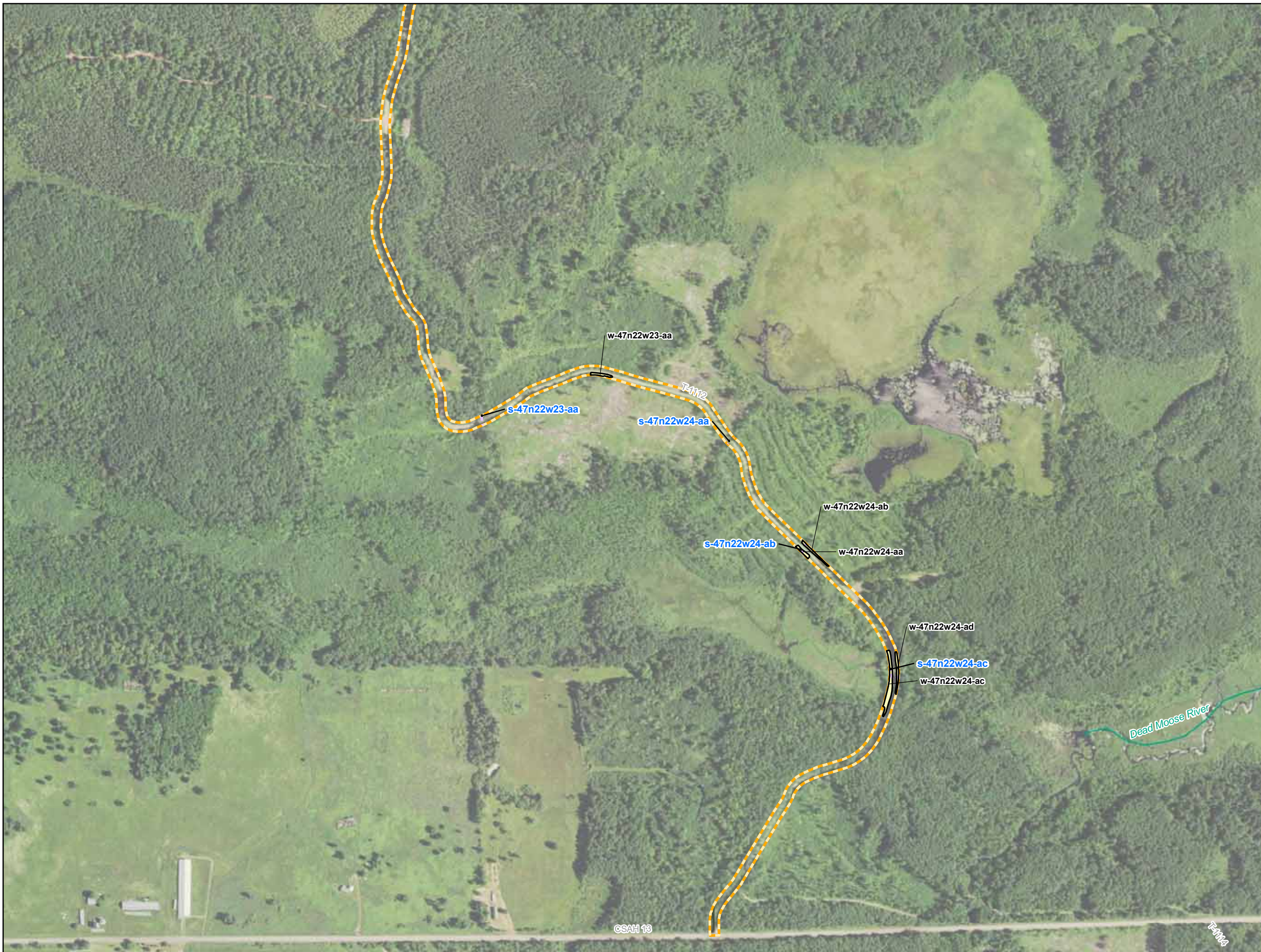
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_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**
- 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 11-53**

**Enbridge**

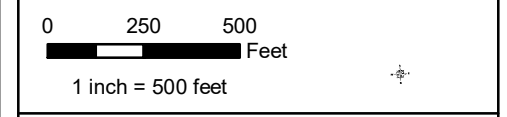
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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





- 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
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- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
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- PUB
- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
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- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-54**

**Enbridge**

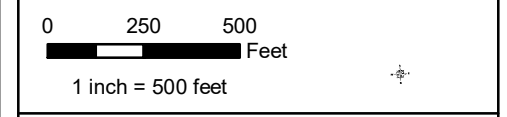
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Source: (9/20/2018) Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.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 11-55**

**Enbridge**

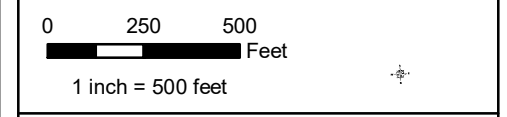
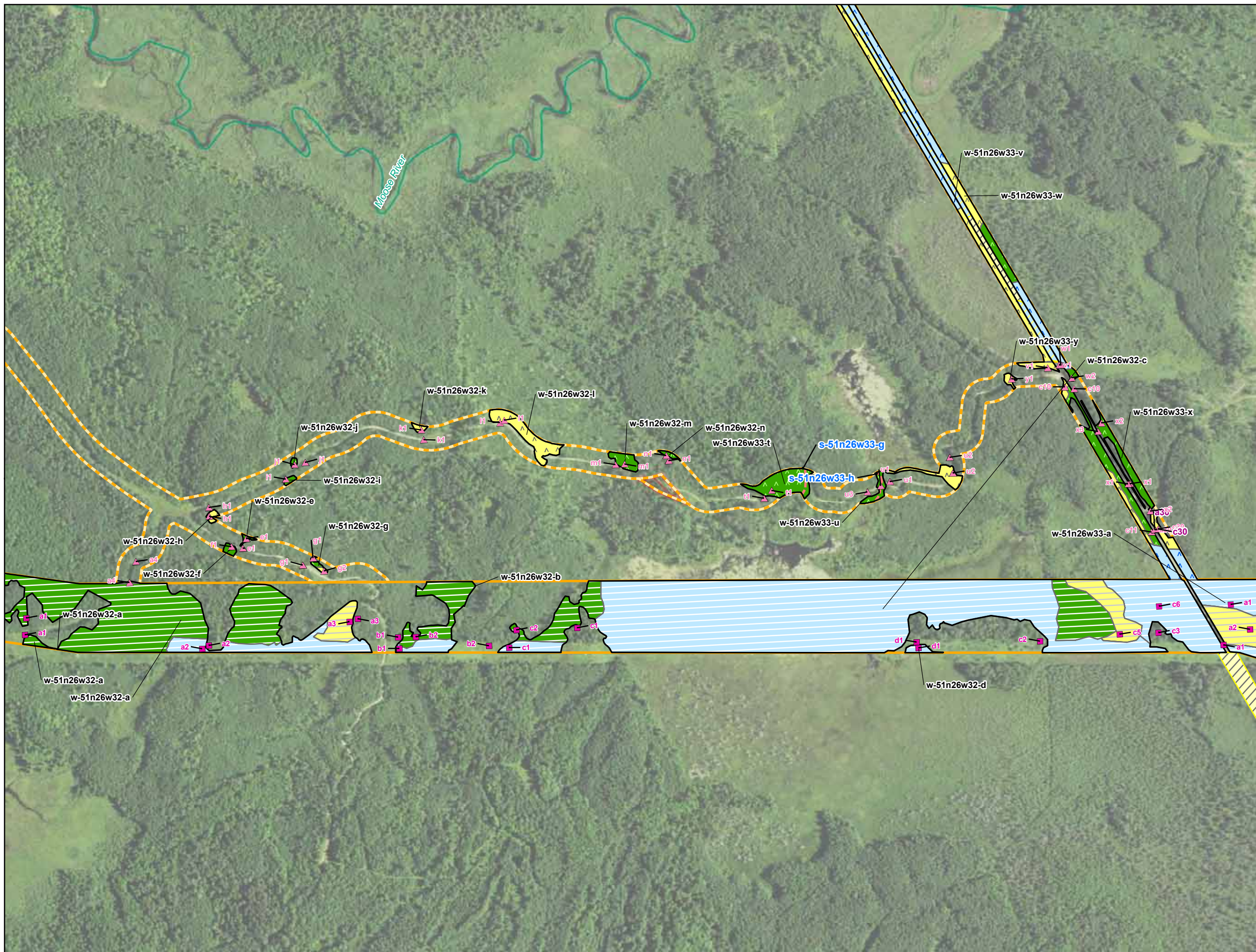
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\MINN\LSR\_Wetland\_WB\_AppendixF\_MIN.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**
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- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-56**

**Enbridge**

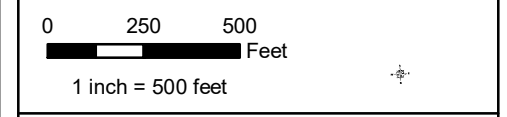
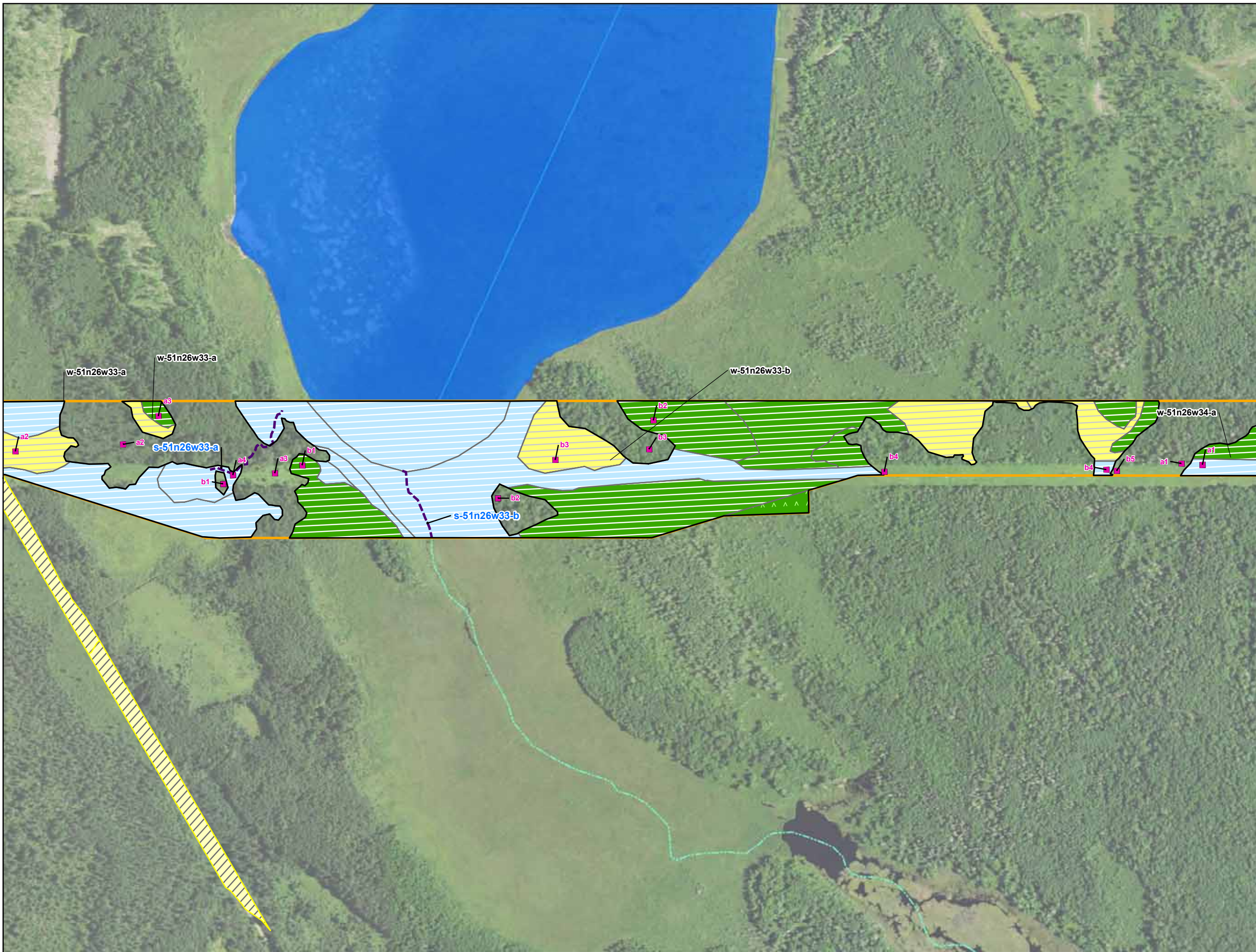
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\Wetland\_WB\_AppendixF\_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
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- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-57**

**Enbridge**

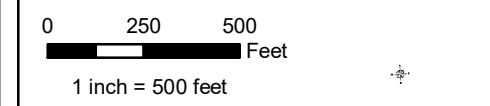
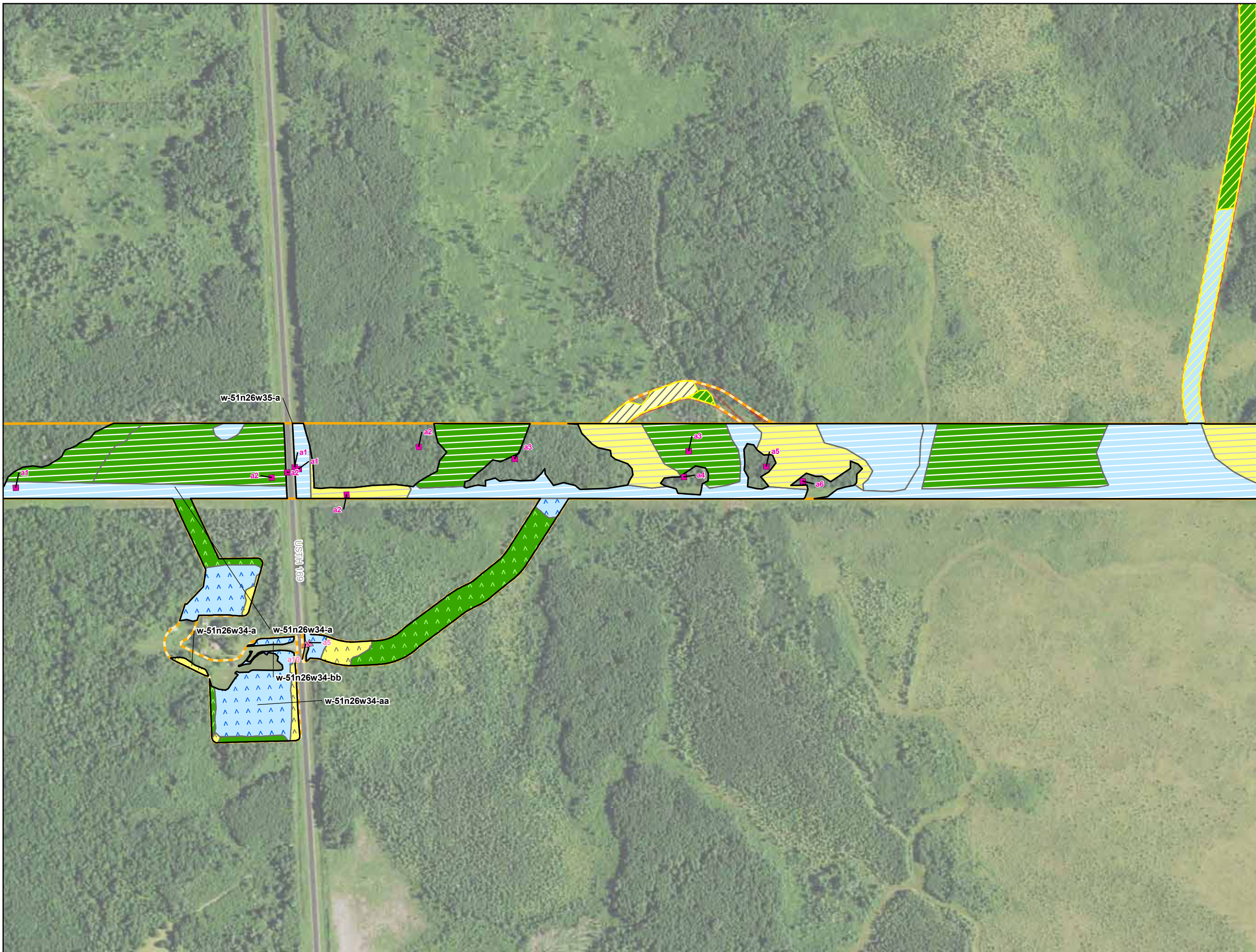
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\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**
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- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
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- PSS
- PUB

**Appendix F**  
**Exhibit F 11-58**

**Enbridge**

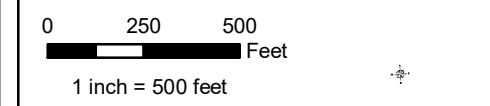
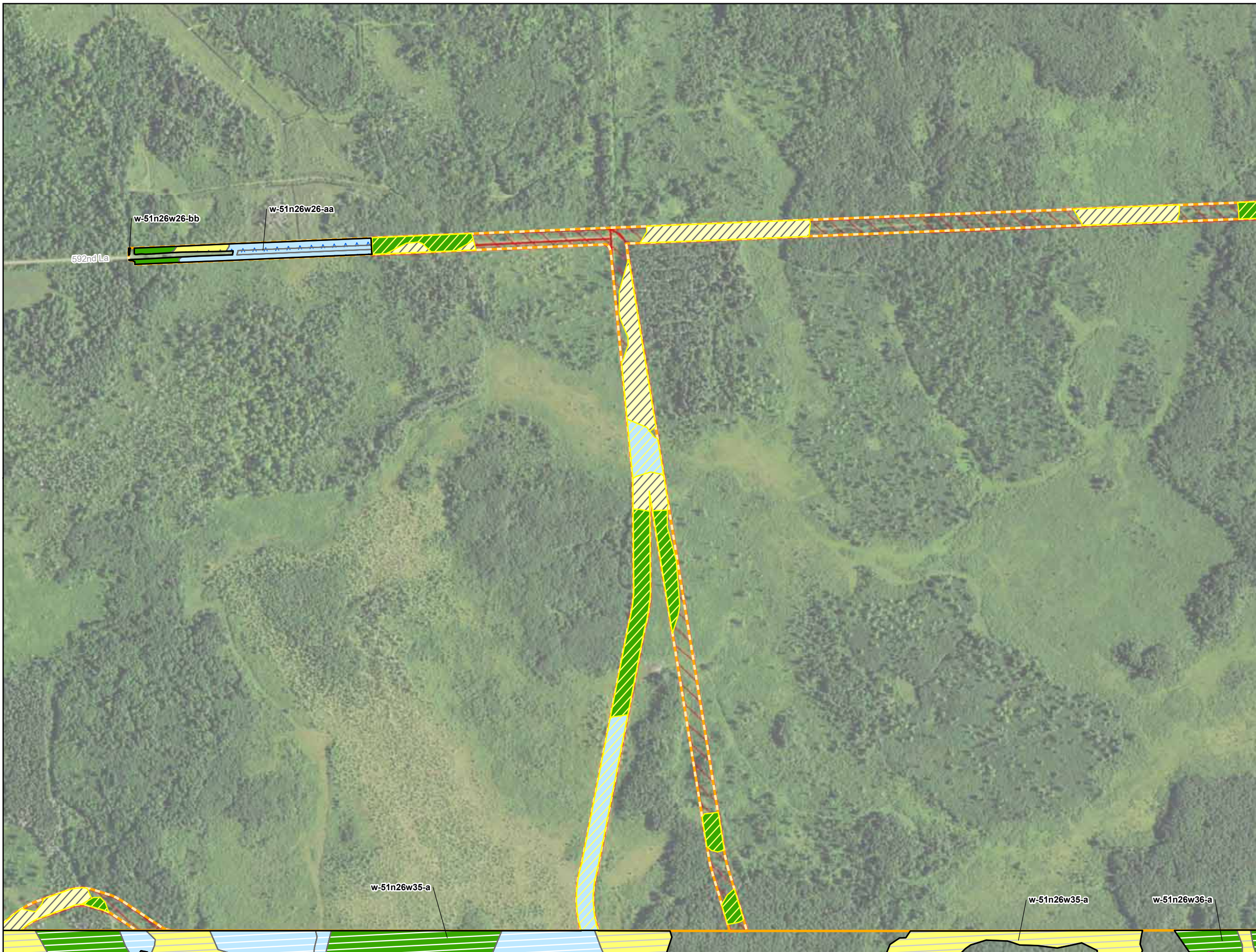
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_AppendixF\_Min.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**
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- PSS
- PUB
- L1UB
- 2014 Wetland**
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- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
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- 2017 Wetland**
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- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F  
Exhibit F 11-59**

**Enbridge**

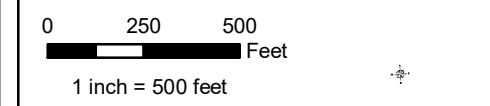
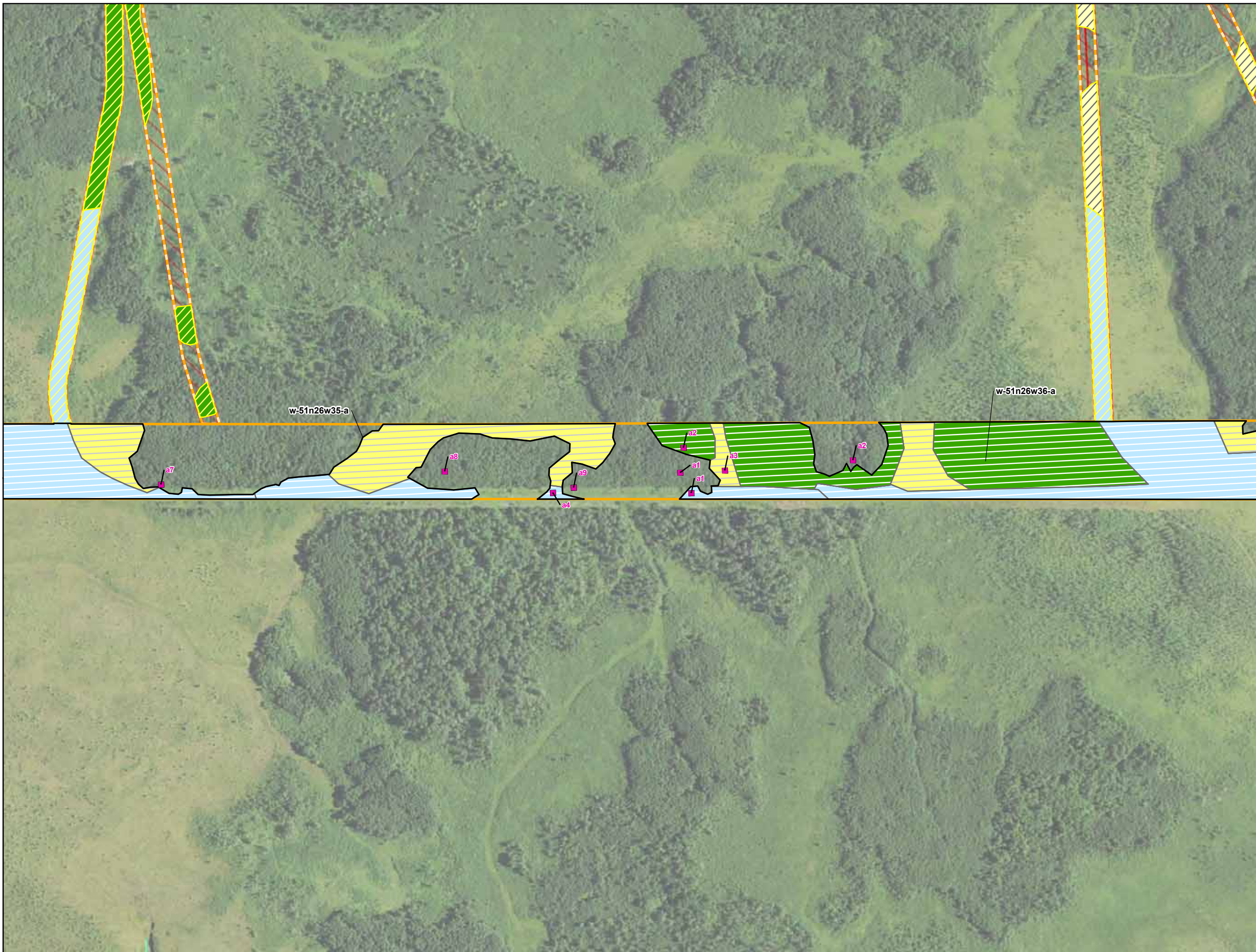
**Field Collected Wetlands and  
Waterbodies**

**Aitkin County, Minnesota**



Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MIN\T3CR\_Wetland\_WB\_AppendixF\_MIN.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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- 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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- PFO
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- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
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- PUB
- 2017 Wetland**
- PEM
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- PUB
- 2018 Wetland**
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- PUB

**Appendix F**  
**Exhibit F 11-60**

**Enbridge**

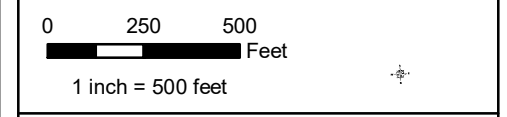
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_2018060310MNT\CSR\_Wetland\_WB\_AppendixF\_MN.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**
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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**
- PEM
- PFO
- PSS
- 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 11-61**

**Enbridge**

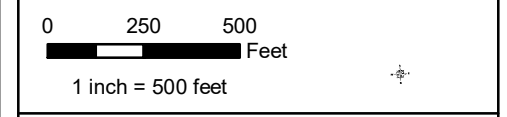
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Source: (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**
- 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 11-62**

**Enbridge**

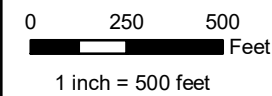
**Field Collected Wetlands and Waterbodies**

**Aitkin 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





- 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
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- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
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- 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 11-63**

**Enbridge**

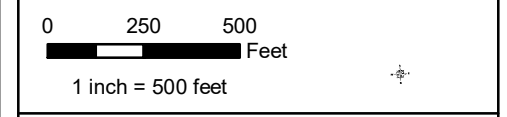
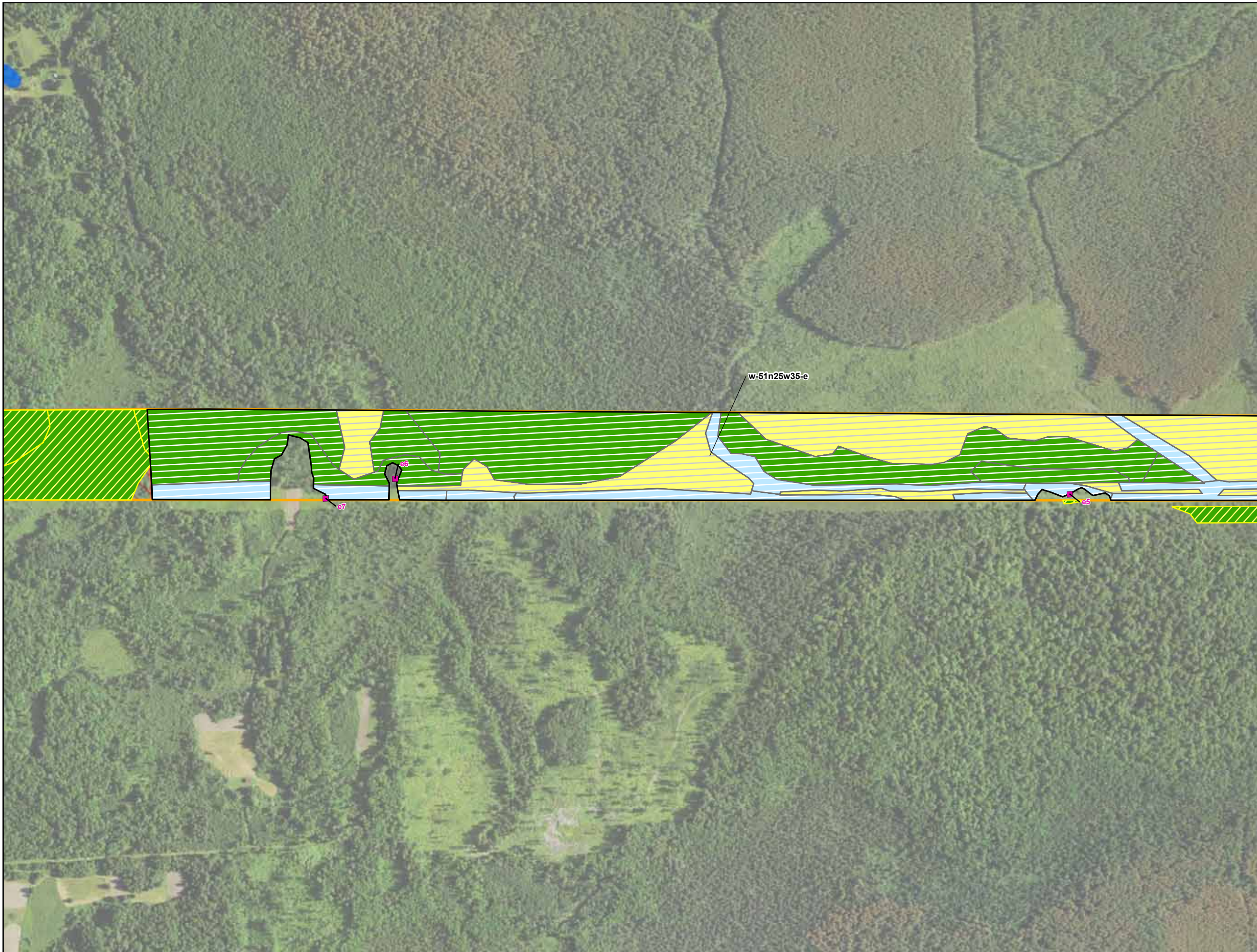
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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**
- 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**
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- PSS
- PUB
- 2015 Wetland**
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- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-64**

**Enbridge**

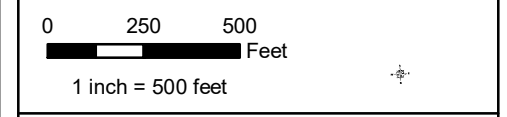
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_WB\_Appendixr\_WIN.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
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- PSS
- PUB
- L1UB
- 2014 Wetland**
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- 2015 Wetland**
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- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
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- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
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- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-65**

**Enbridge**

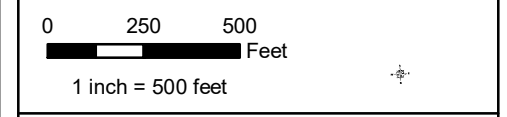
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.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
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- PSS
- PUB
- L1UB
- 2014 Wetland**
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- 2015 Wetland**
- PEM
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- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
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- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-66**

**Enbridge**

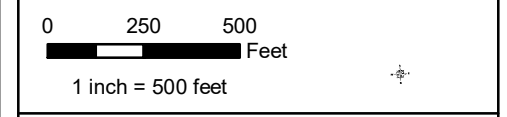
**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\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
- 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**
- PEM
- PFO
- 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 11-67**

**Enbridge**

**Field Collected Wetlands and  
Waterbodies**

**Aitkin County, Minnesota**

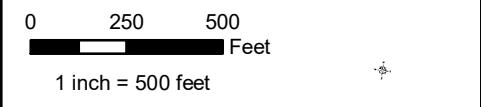


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- Environmental Survey Corridor
- Access Road Survey Corridor
- Field Survey Not Complete
- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
- Intermittent Stream
- Perennial Stream
- Canal/Ditch
- NWI Wetland**
- PEM
- PFO
- 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
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- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F  
Exhibit F 11-69**

**Enbridge**

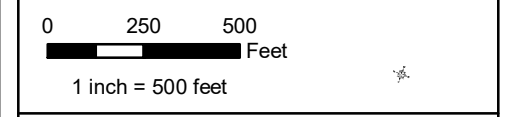
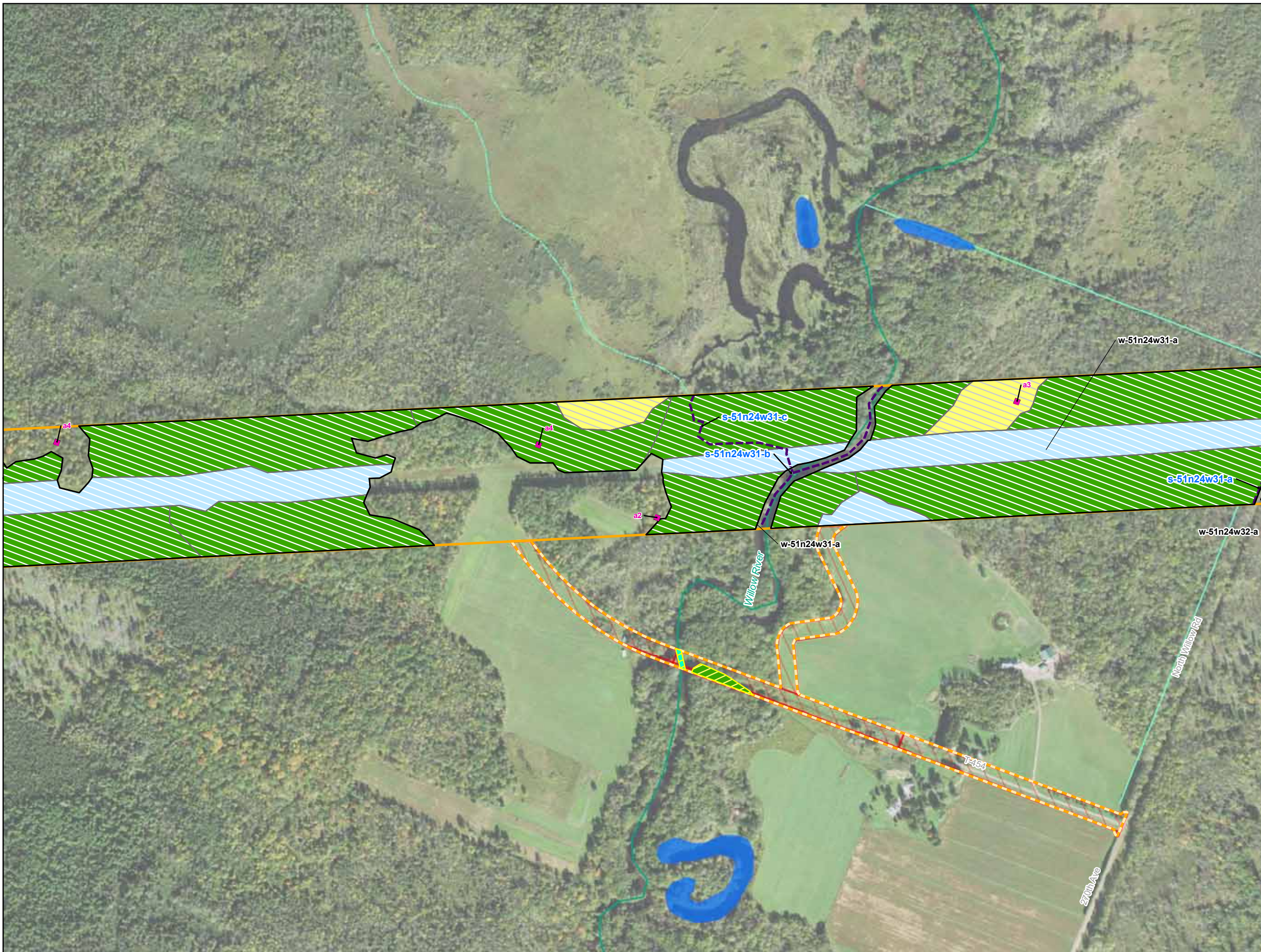
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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
- 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 11-70**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.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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- 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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- PFO
- PSS
- PUB
- 2017 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-71**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_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**
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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**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2015 Wetland**
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- PSS
- PUB
- 2016 Wetland**
- PEM
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- PUB
- 2017 Wetland**
- PEM
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- 2018 Wetland**
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- PFO
- PSS
- PUB

**Appendix F  
Exhibit F 11-72**

**Enbridge**

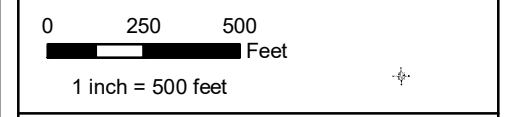
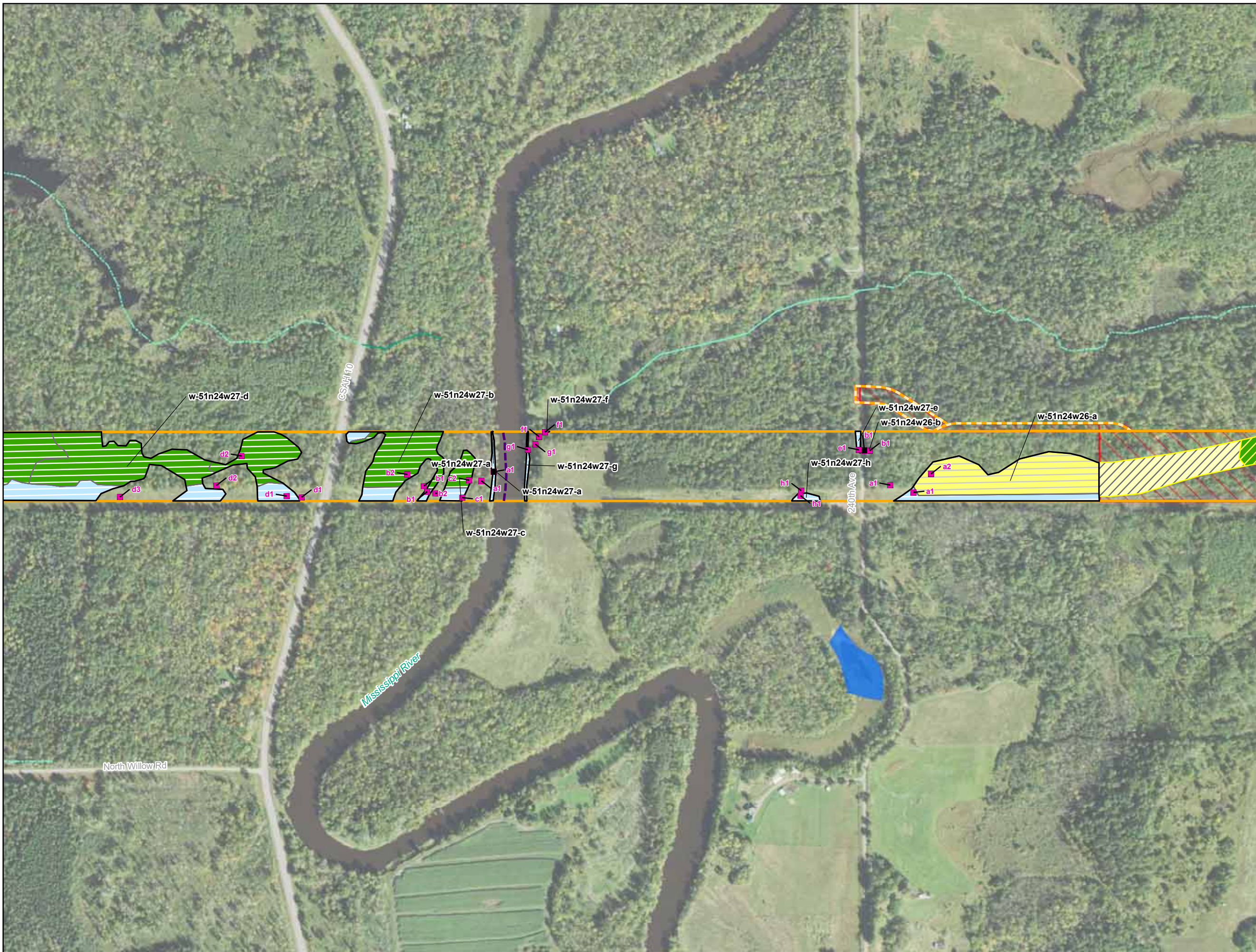
**Field Collected Wetlands and  
Waterbodies**

**Aitkin County, Minnesota**



Date: (9/20/2018) Source: Z:\Clients\IE\_F\IE\bridge\Line\_3\_Pull\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.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**
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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**
- PEM
- PFO
- PSS
- PUB
- L1UB
- 2014 Wetland**
- PEM
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- 2015 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2016 Wetland**
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- PFO
- PSS
- PUB
- 2017 Wetland**
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- PFO
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- PUB

**Appendix F  
Exhibit F 11-73**

**Enbridge**

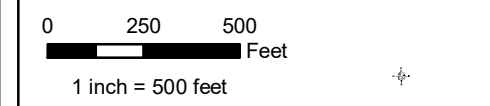
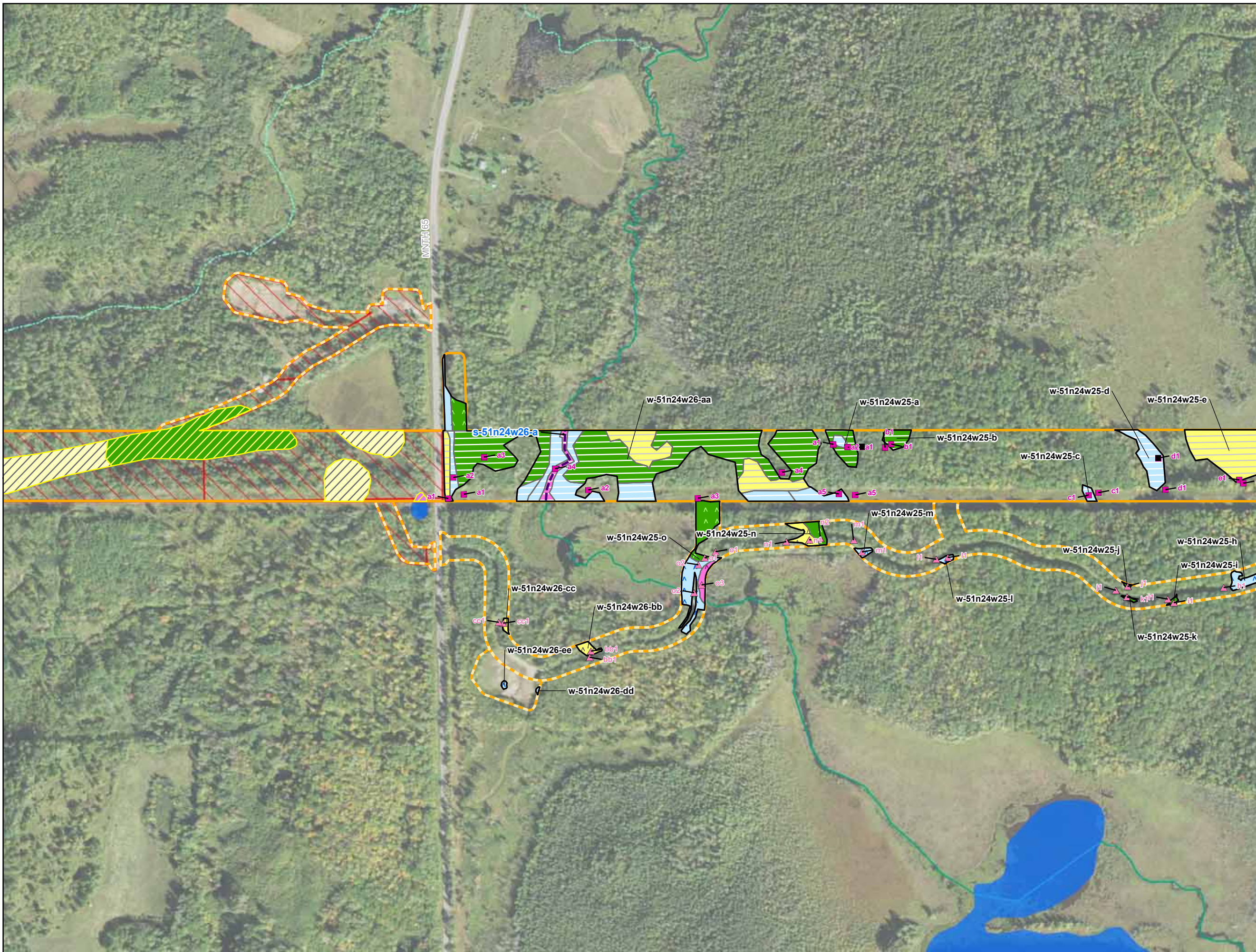
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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
- 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
- 2016 Field Delineated Waterbody
- 2017 Field Delineated Waterbody
- 2018 Field Delineated Waterbody
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- PFO
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- PFO
- PSS
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- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
- PEM
- PFO
- PSS
- PUB
- 2017 Wetland**
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- PFO
- PSS
- PUB
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- PSS
- PUB

**Appendix F**  
**Exhibit F 11-74**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

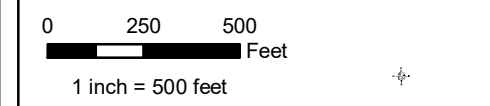
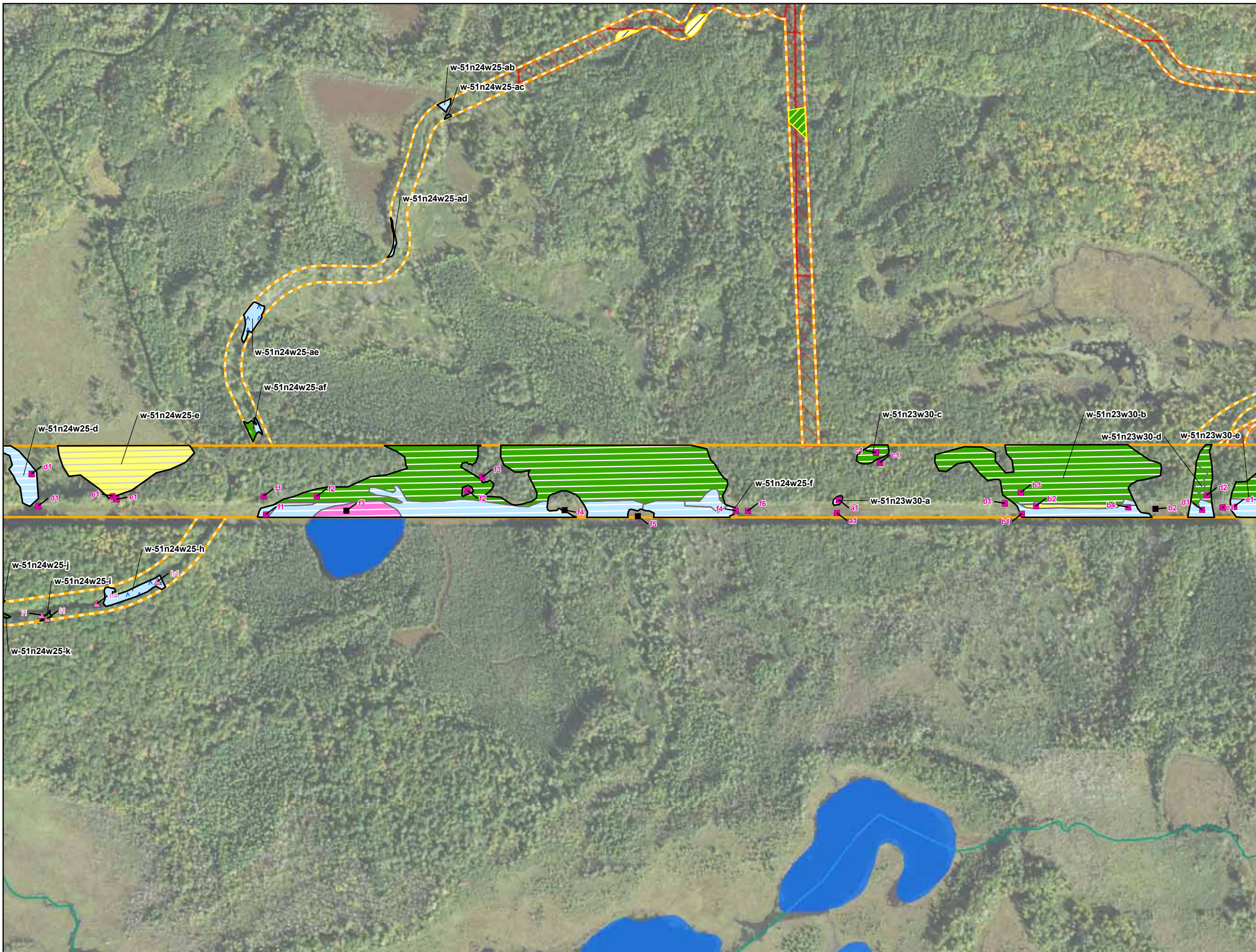
**Aitkin County, Minnesota**



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\_20180310\MT13\Wetland\_WB\_AppendixF\_MN.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
- 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
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- L1UB
- 2014 Wetland**
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- PUB
- 2015 Wetland**
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- PFO
- PSS
- PUB
- 2016 Wetland**
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- PSS
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- 2017 Wetland**
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- PFO
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- PUB

**Appendix F**  
**Exhibit F 11-75**

**Enbridge**

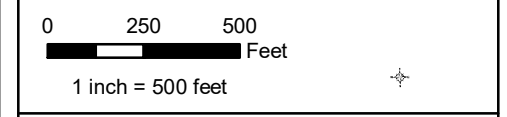
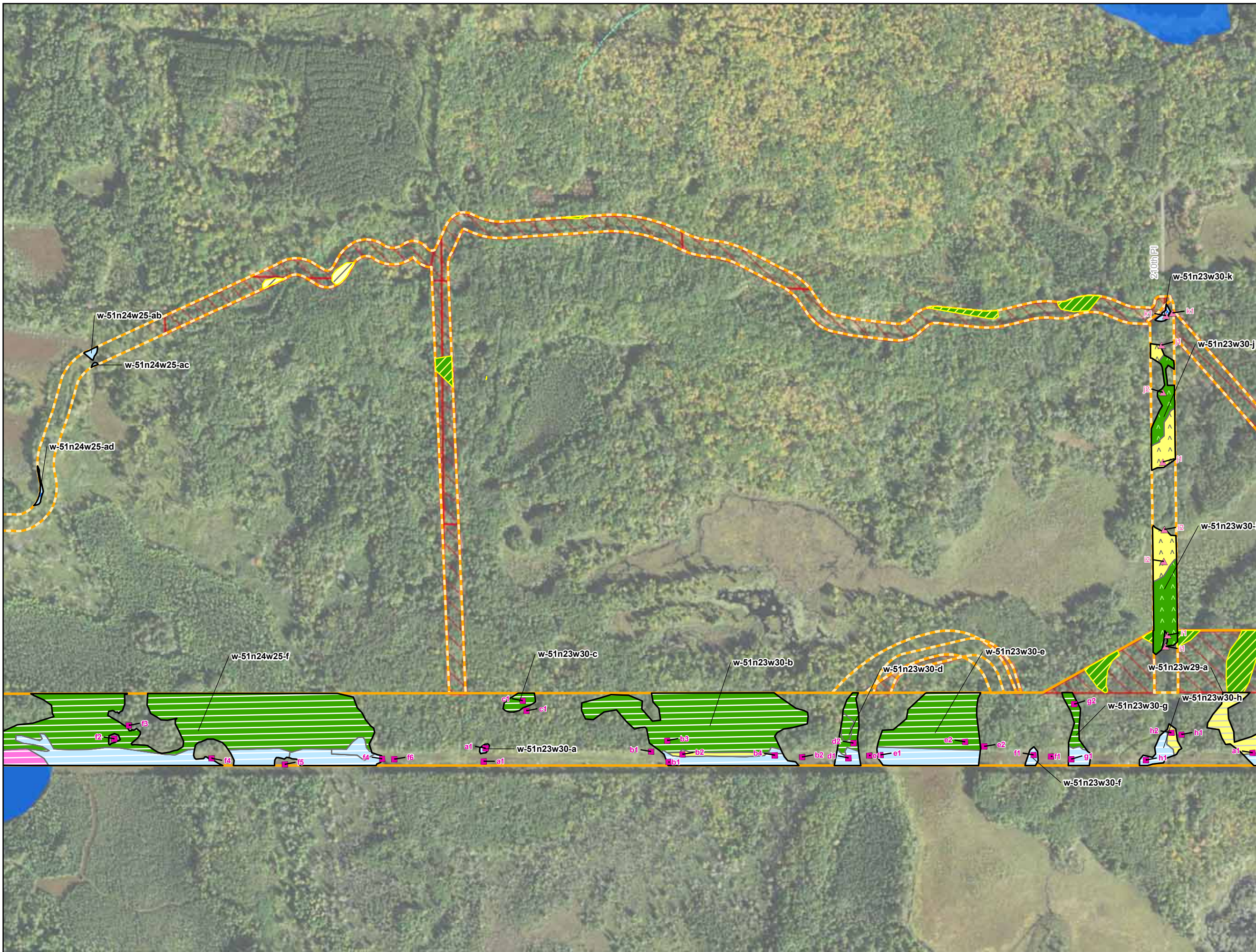
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_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
- L1U
- 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 11-76**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

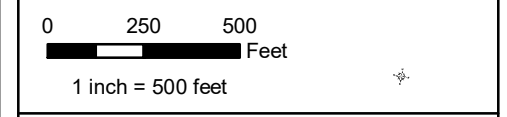
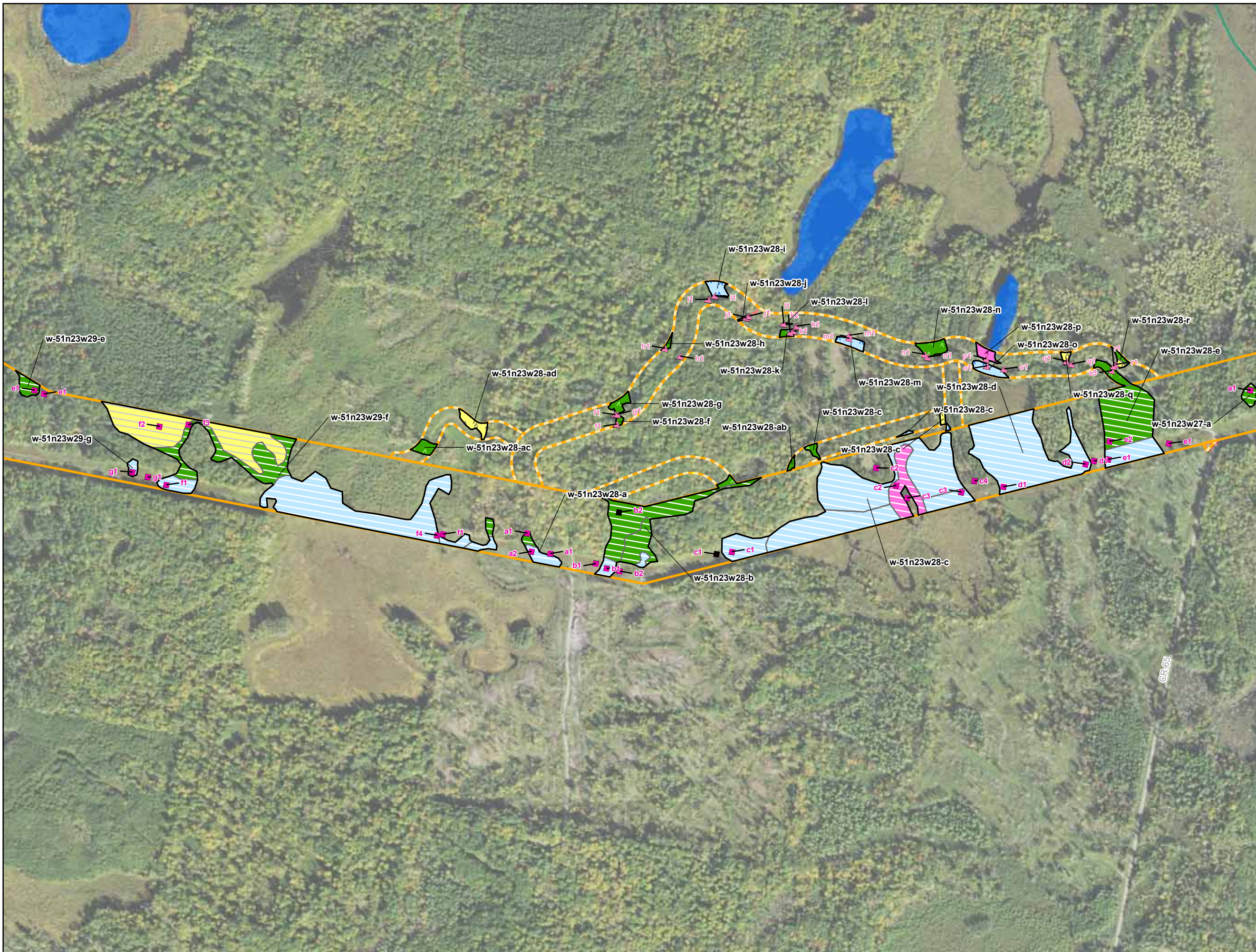
For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE\_F\IE\bridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\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**
  - 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 11-78**

**Enbridge**

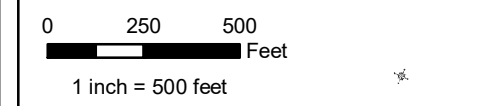
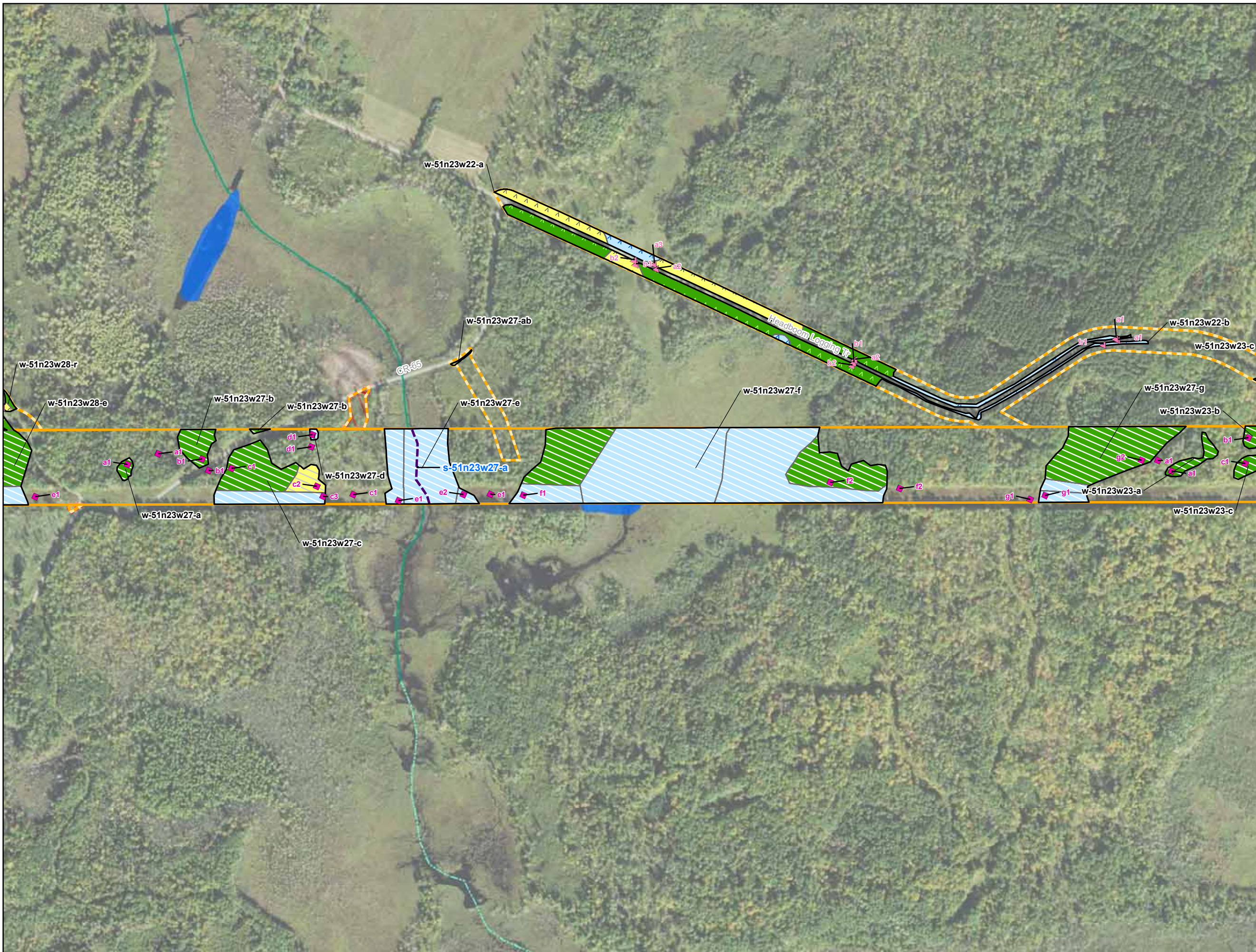
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180310\MT\CSR\_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
- 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 11-79**

**Enbridge**

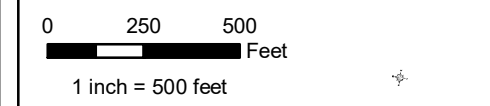
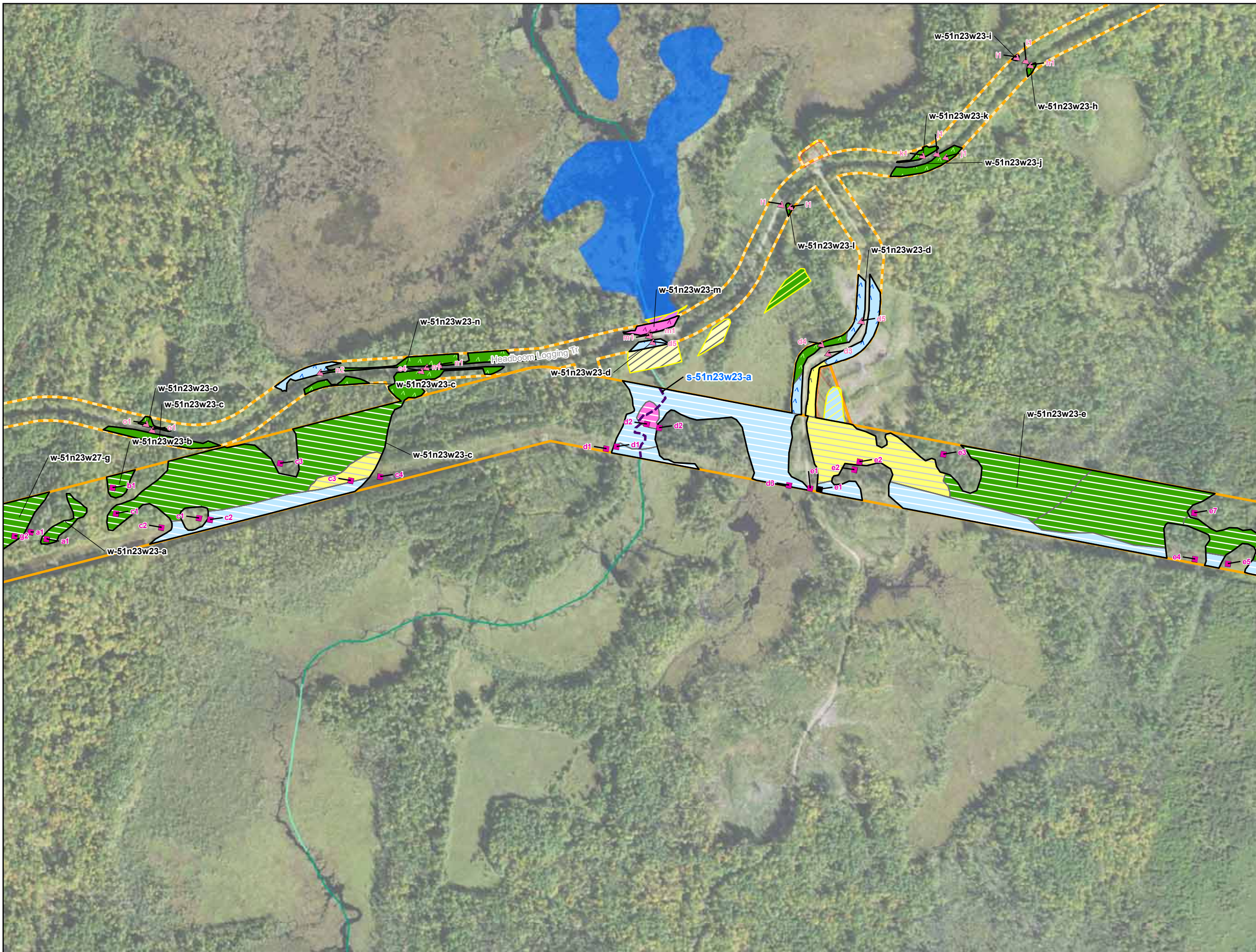
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.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 11-80**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_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**
- PEM
- PFO
- PSS
- PUB
- 2018 Wetland**
- PEM
- PFO
- PSS
- PUB

**Appendix F**  
**Exhibit F 11-81**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

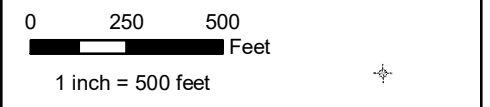
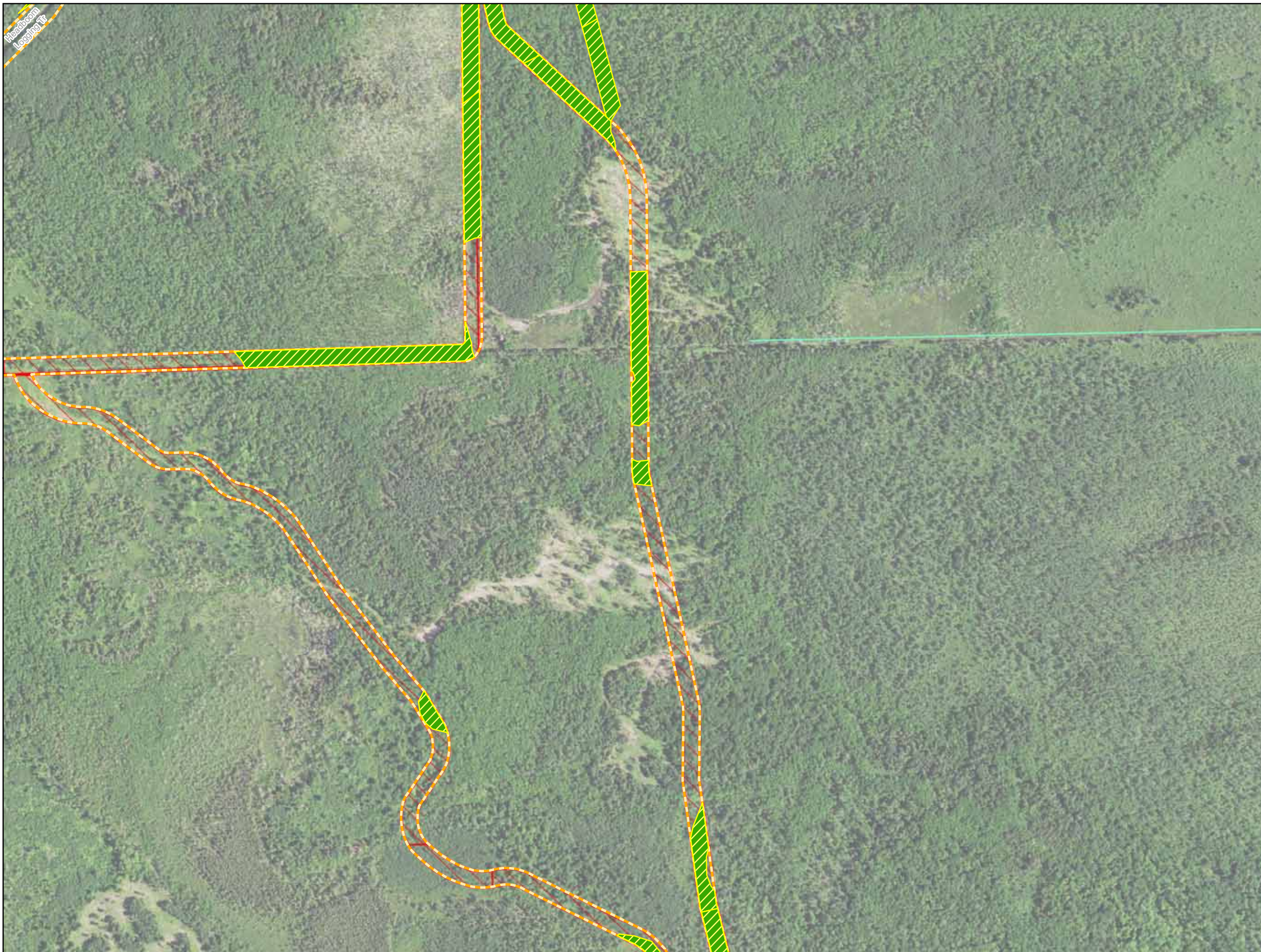
For Environmental Review Purposes Only September 2018

Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_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 11-83**

**Enbridge**

**Field Collected Wetlands and  
Waterbodies**

**Aitkin County, Minnesota**

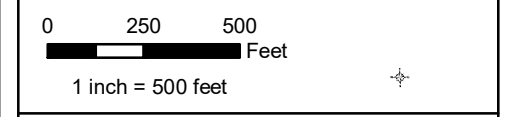
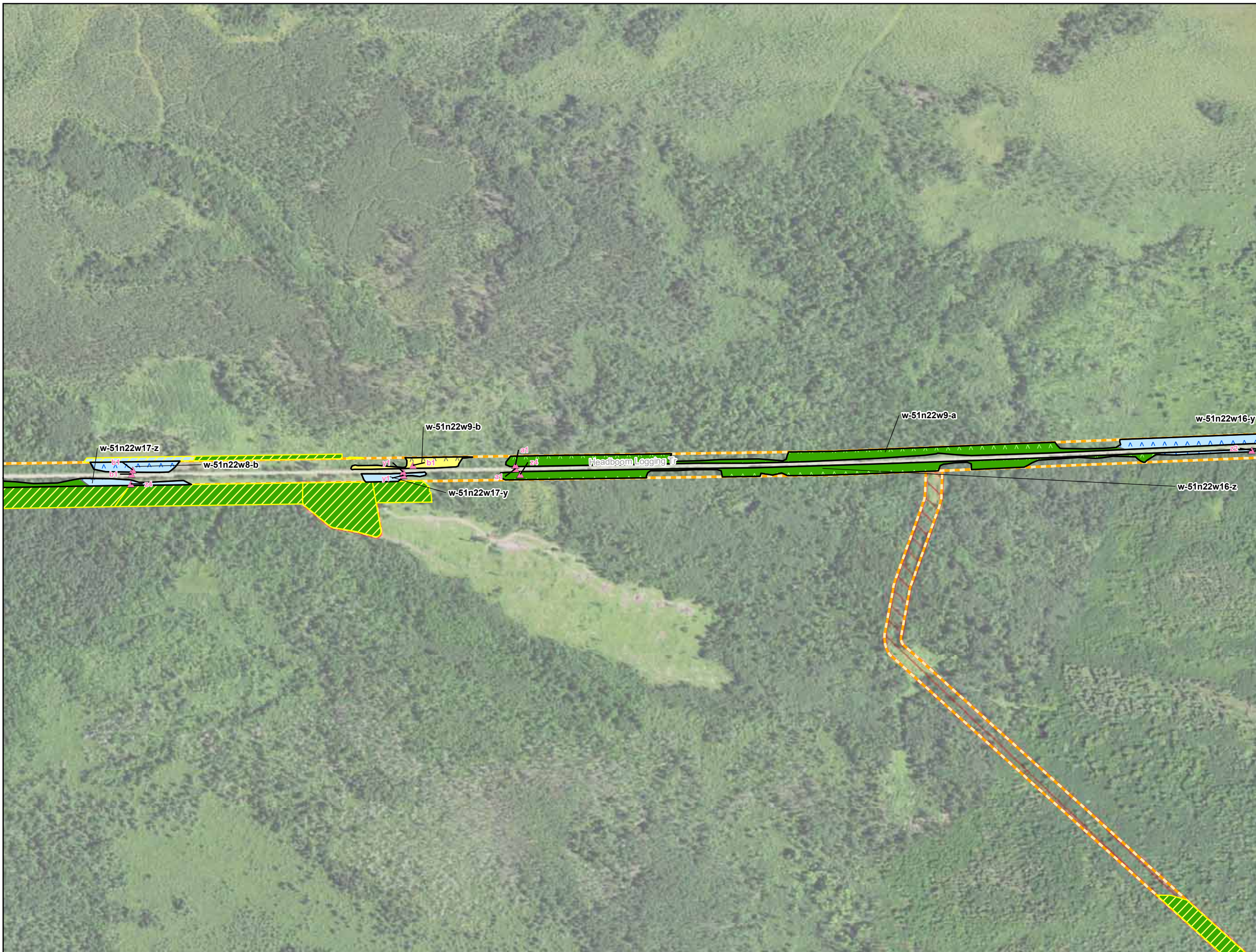


Date: (9/20/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_2018060310M\T3CR\_Wetland\_WB\_AppendixF\_MN.mxd









- 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
- 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 11-85**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

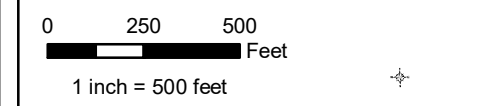
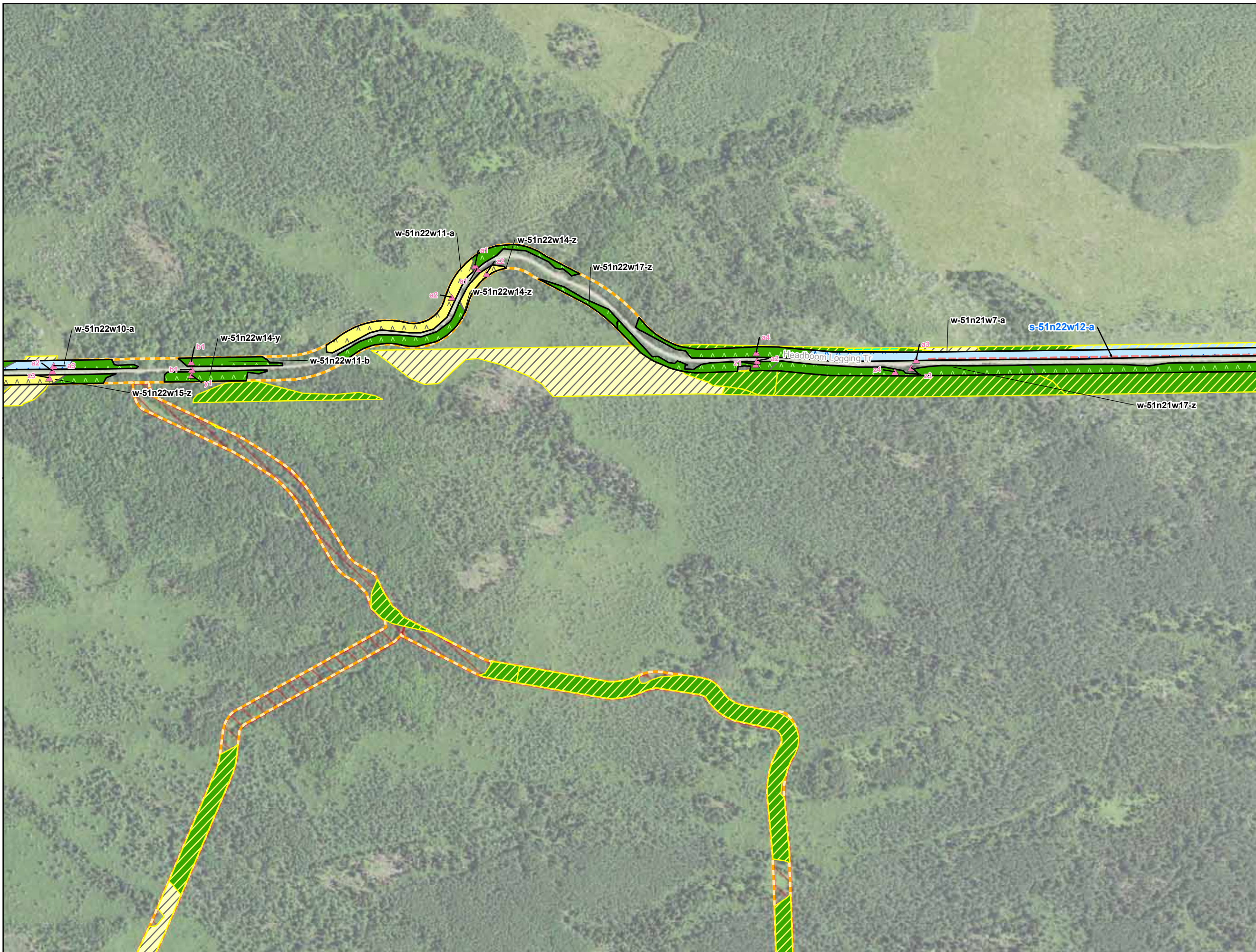
For Environmental Review Purposes Only September 2018

Source: Z:\Clients\IE\_F\IE\bridge\Line\_3\_Full\_Replacement\field\_data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_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 11-87**

**Enbridge**

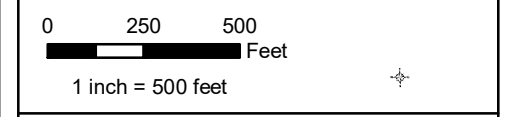
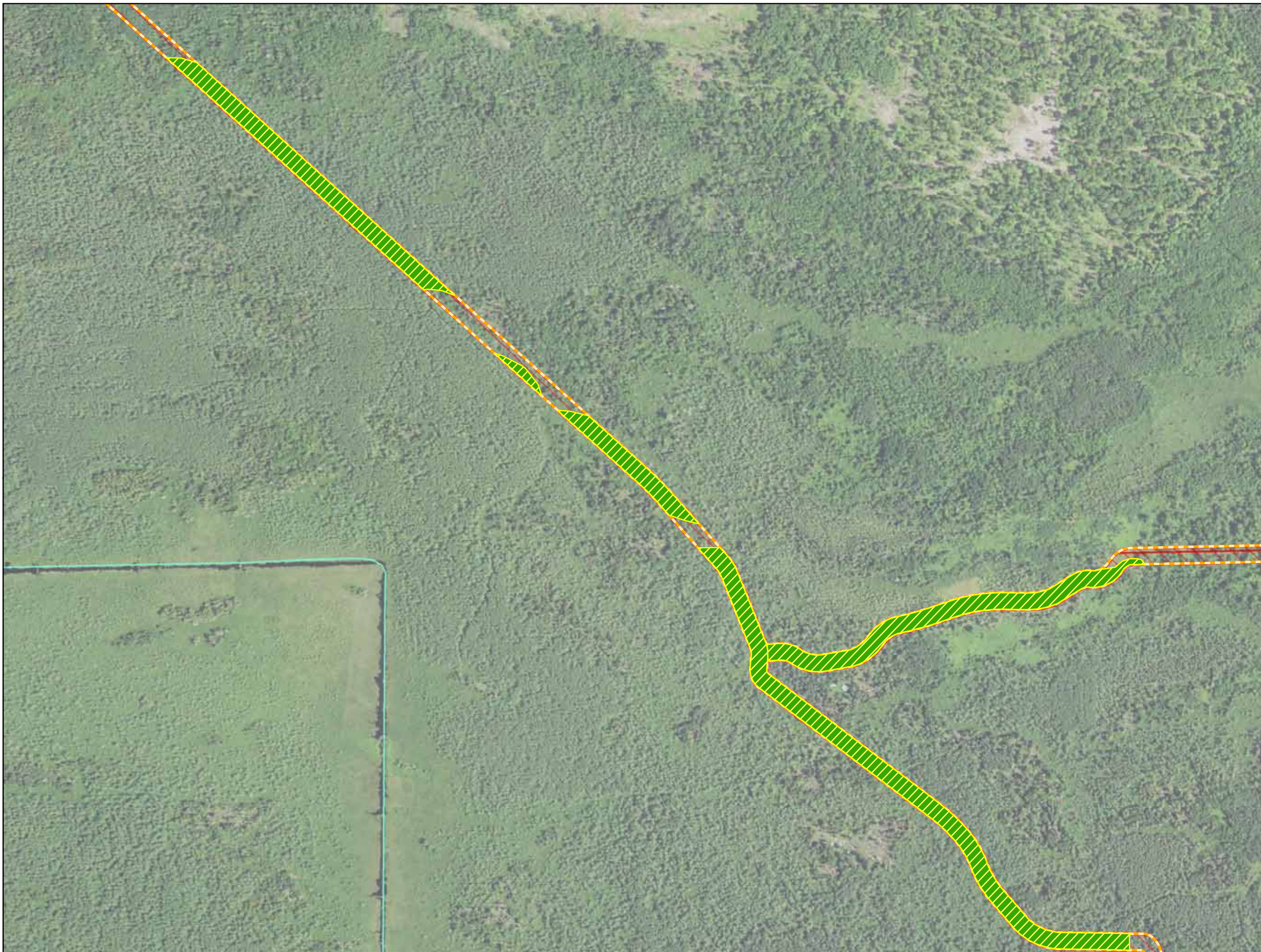
**Field Collected Wetlands and Waterbodies**

**Aitkin 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





- 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 11-88**

**Enbridge**

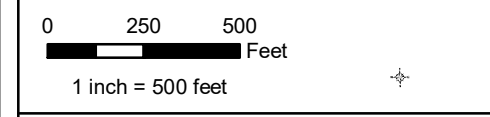
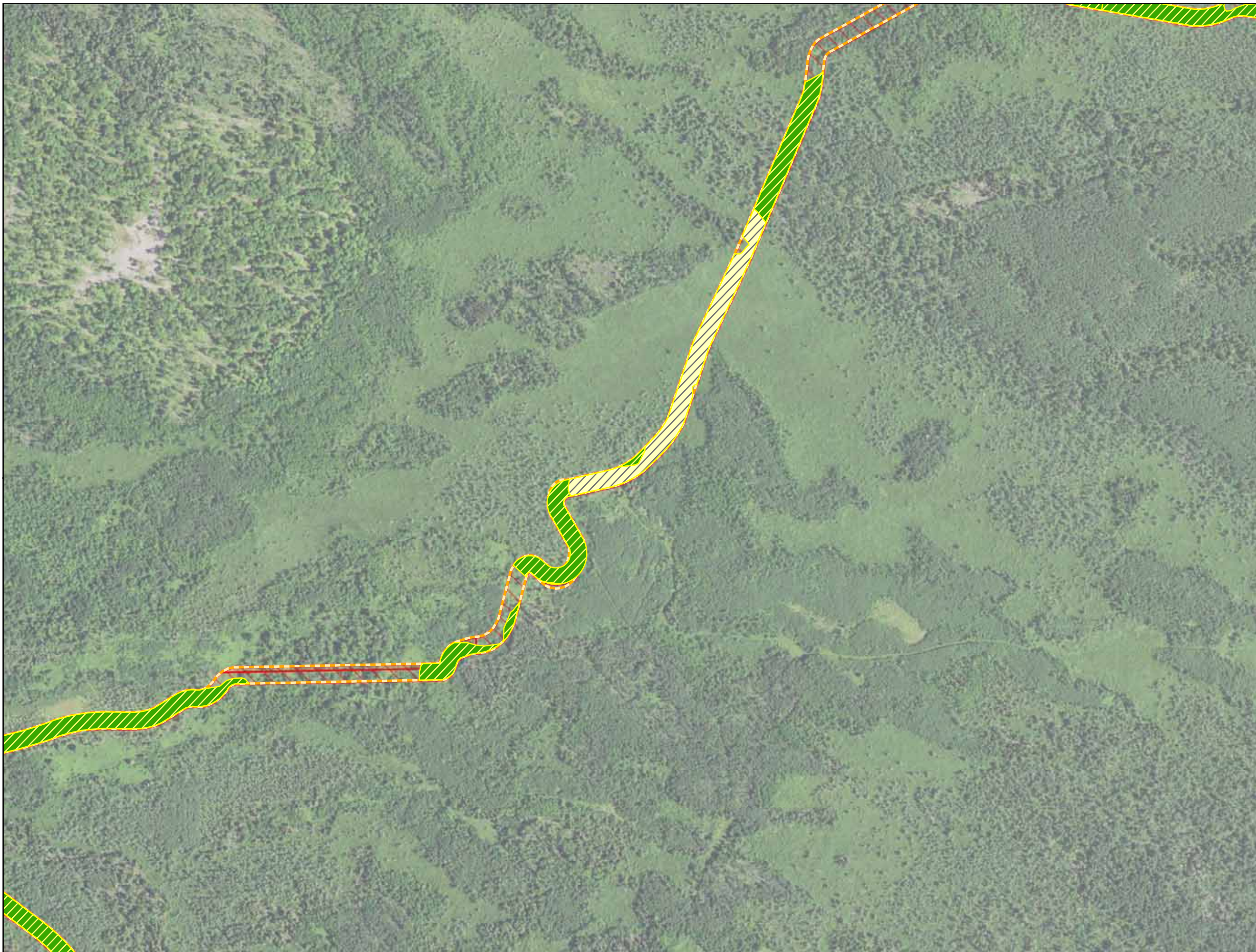
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.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
- L1U
- 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 11-89**

**Enbridge**

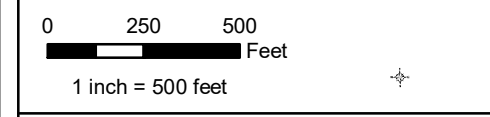
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_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**
- 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 11-90**

**Enbridge**

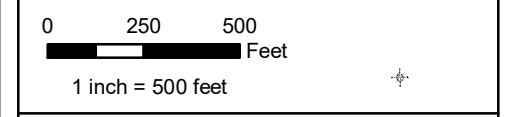
**Field Collected Wetlands and  
Waterbodies**

**Aitkin 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





- 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
- L1UB
- 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 11-91**

**Enbridge**

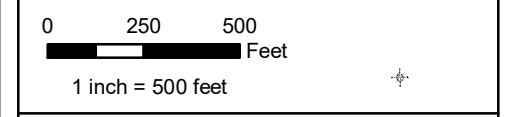
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_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 11-92**

**Enbridge**

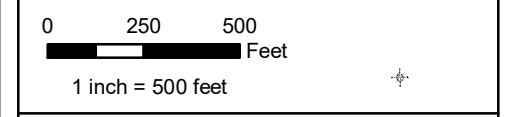
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.mxd





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- Field Survey Not Required
- National Hydrography Dataset**
- Waterbody
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- Perennial Stream
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- 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 11-93**

**Enbridge**

**Field Collected Wetlands and  
Waterbodies**

**Aitkin County, Minnesota**

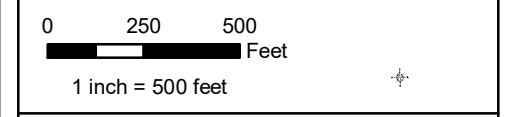
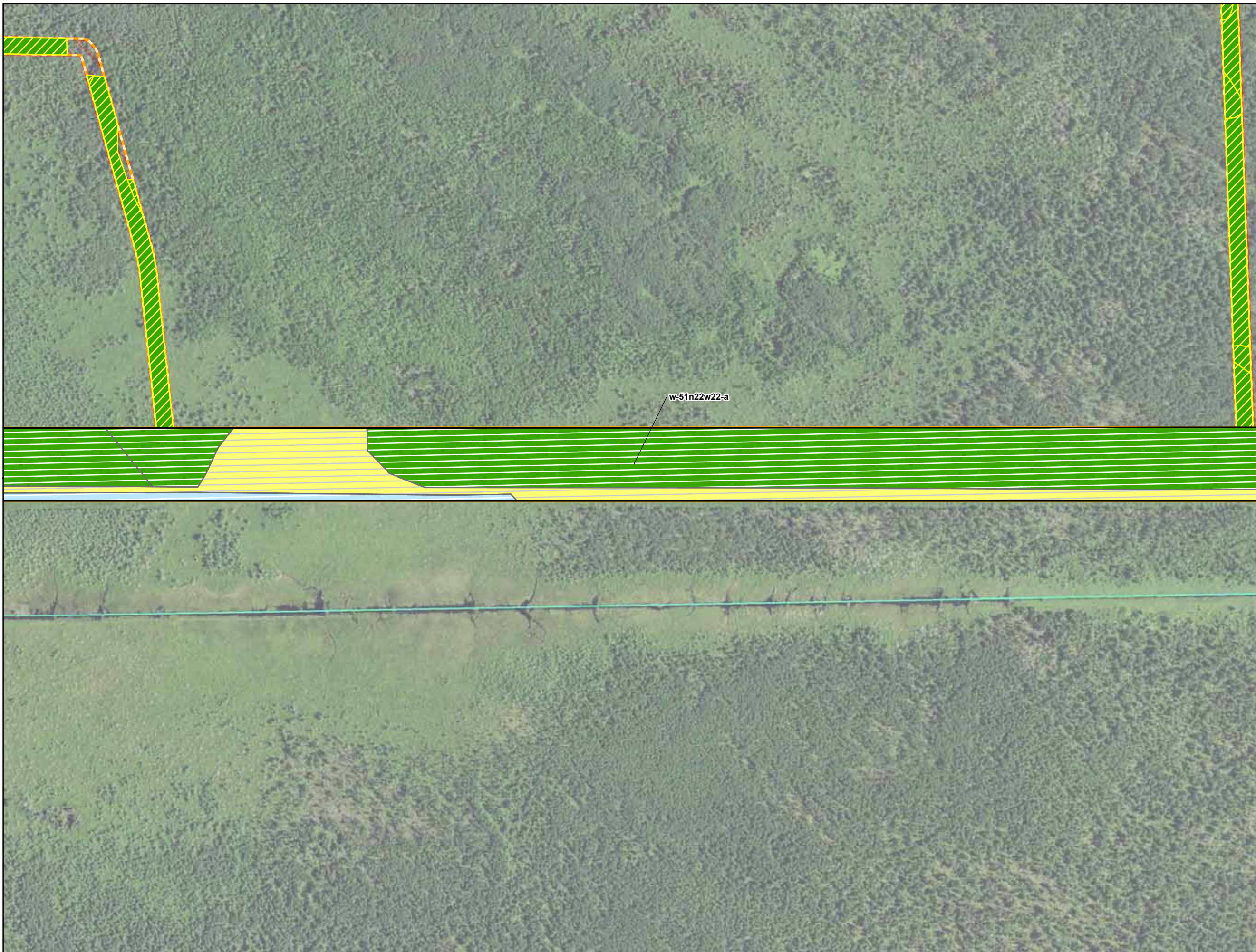


Source: (9/20/2018) Z:\Clients\IE\_F\Enbridge\Line\_3\_Pull\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\WMT\CSR\_Wetland\_WB\_AppendixF\_WIN.mxd









- 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 11-95**

**Enbridge**

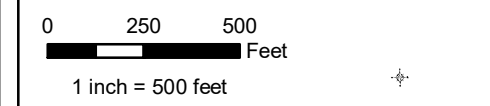
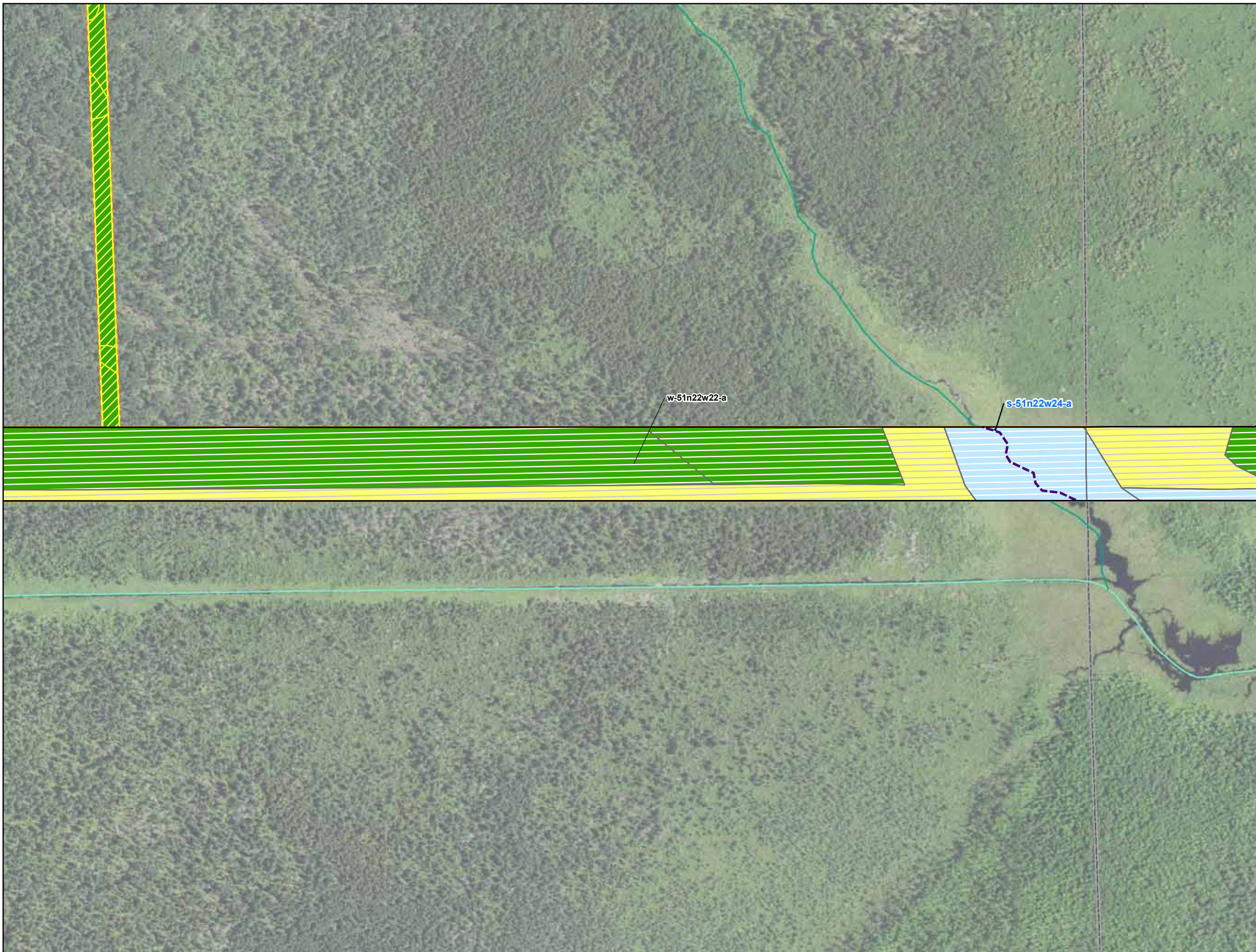
**Field Collected Wetlands and Waterbodies**

**Aitkin 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\_20180631\Wetland\_Waterbody\_WB\_AppendixF\_Min.mxd





- Environmental Survey Corridor
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- 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 11-96**

**Enbridge**

**Field Collected Wetlands and Waterbodies**

**Aitkin County, Minnesota**

For Environmental Review Purposes Only September 2018

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