

- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-1

Enbridge
**Desktop Environmental
Features**

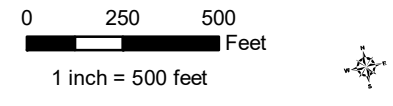
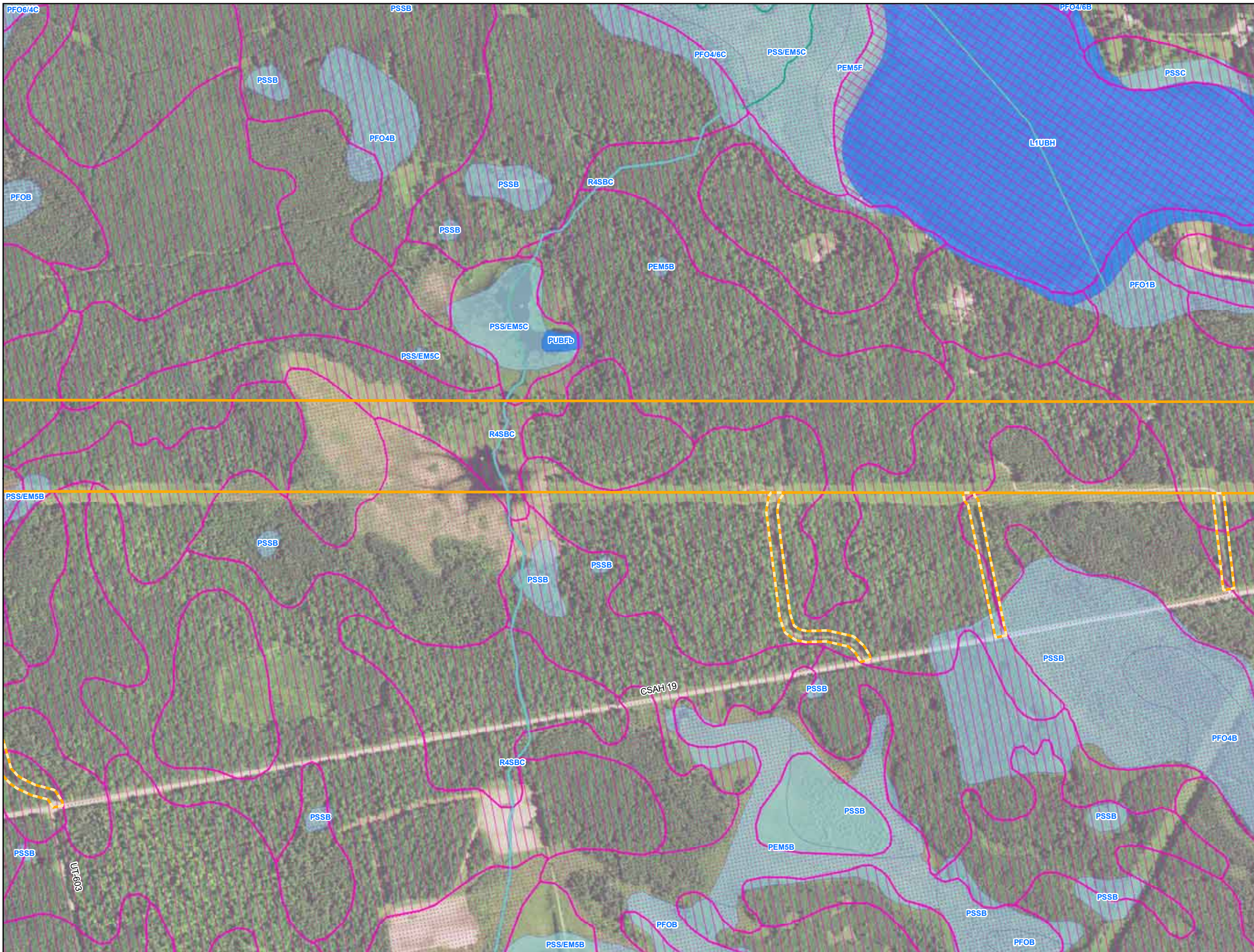
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE_FIE\Enbridge\Line_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MT\CSA19_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-2

Enbridge
**Desktop Environmental
Features**

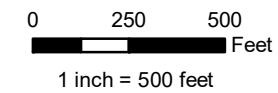
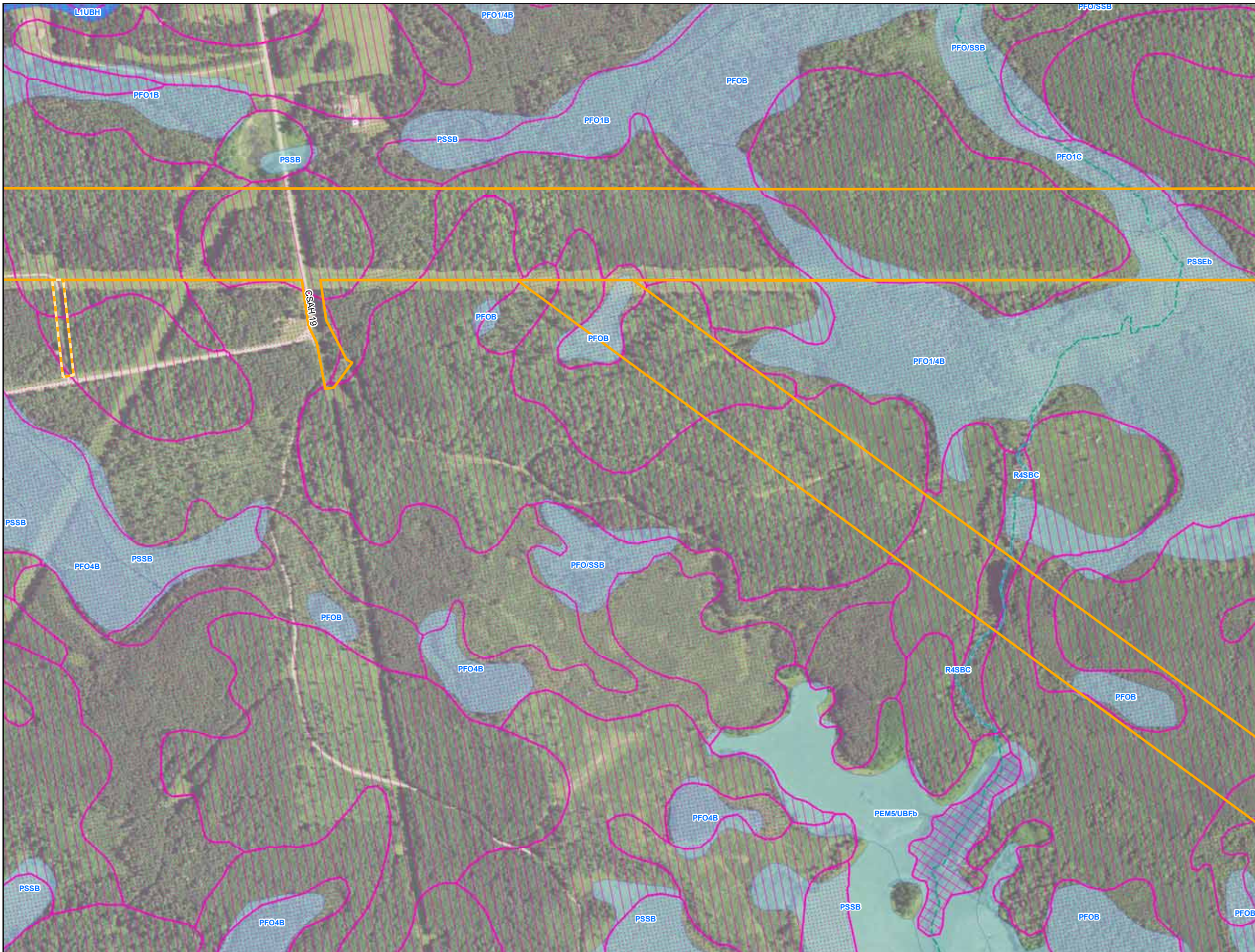
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-3

Enbridge

**Desktop Environmental
Features**

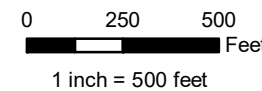
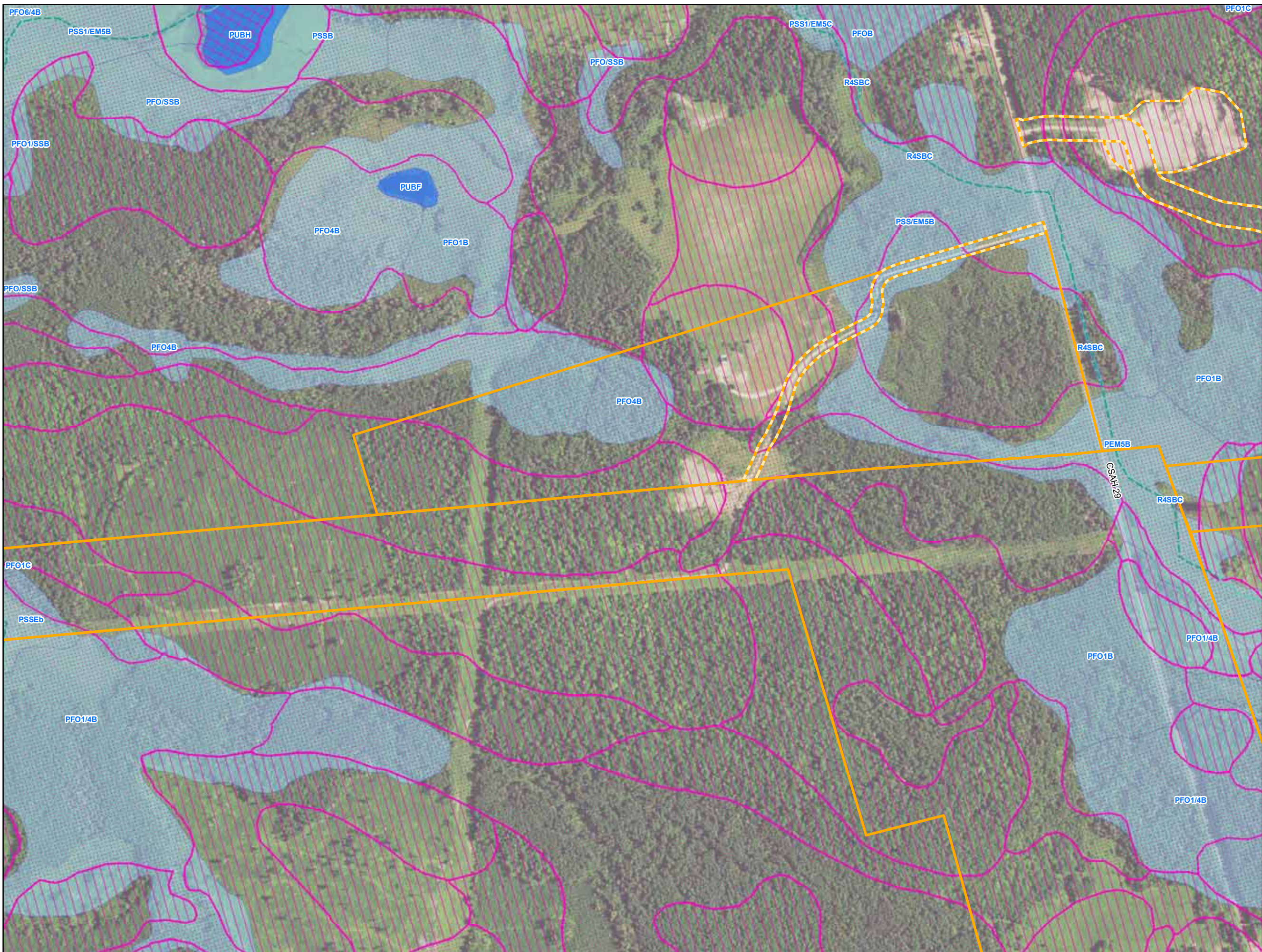
Aitkin County, Minnesota



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Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\MapData\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MIN\T\CSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-4**

Enbridge

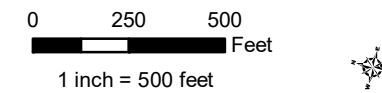
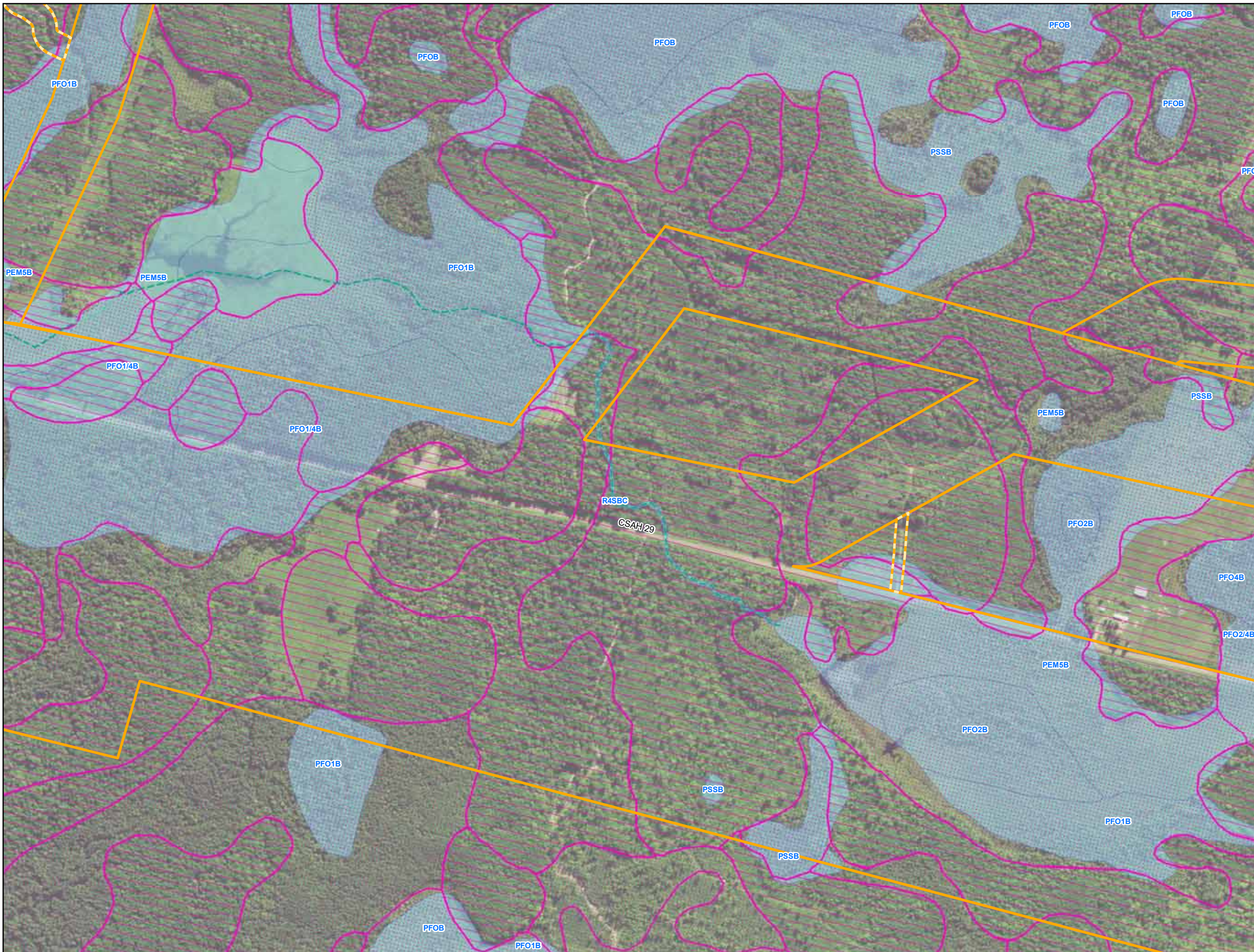
**Desktop Environmental
Features**

Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-5**

Enbridge

**Desktop Environmental
Features**

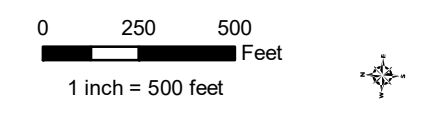
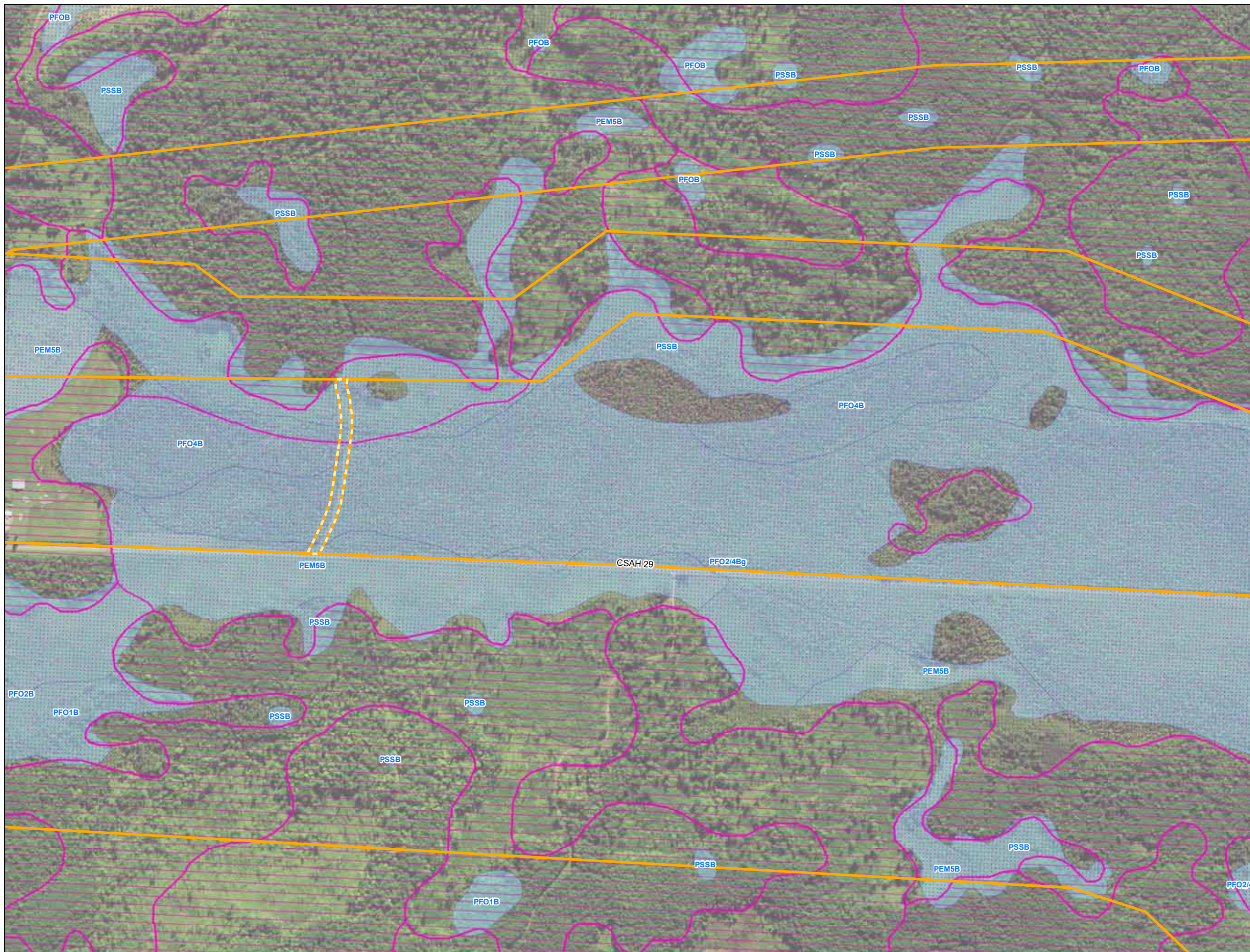
Aitkin County, Minnesota















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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-6

Enbridge

Desktop Environmental Features

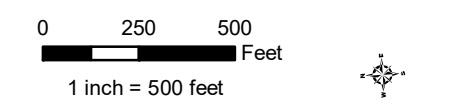
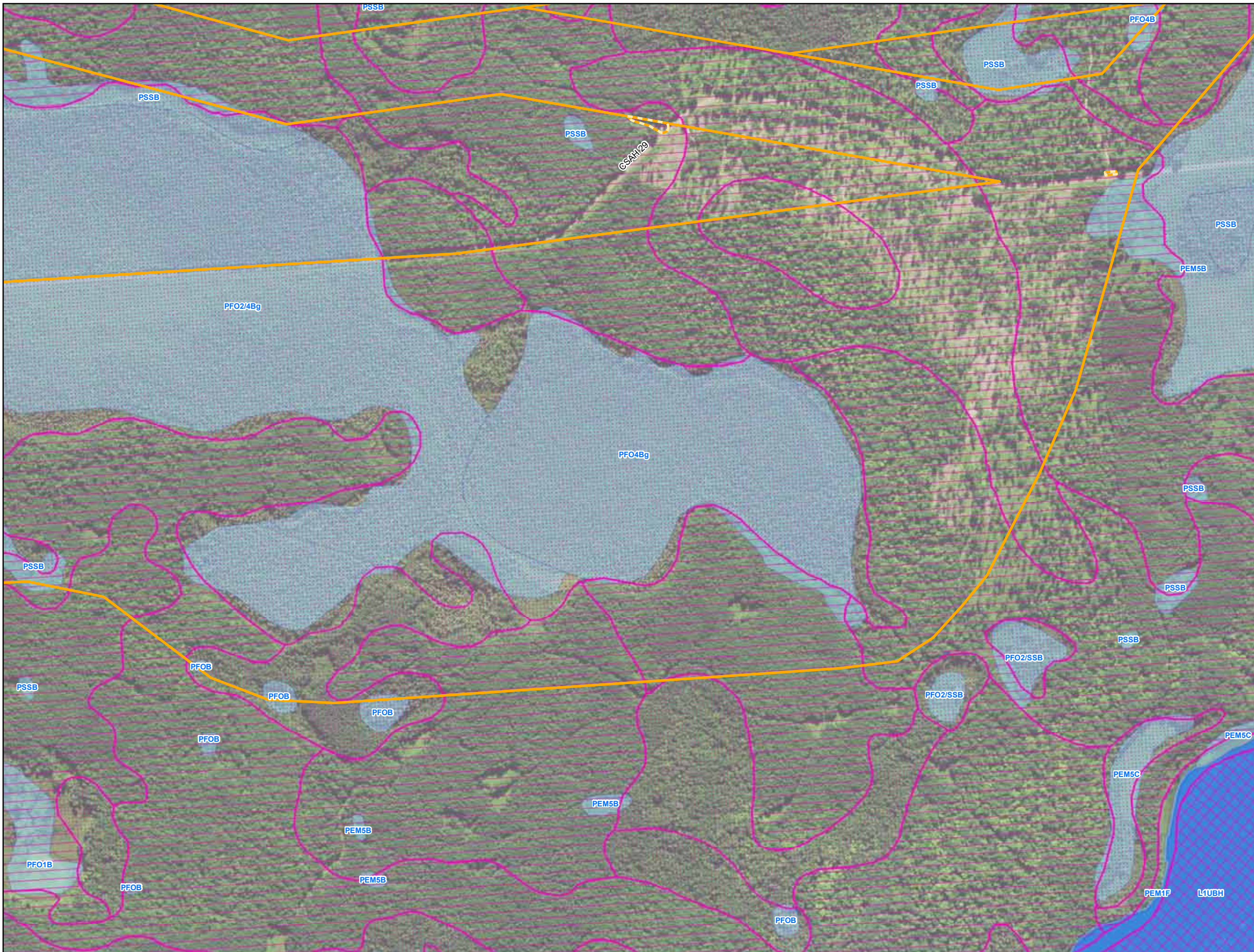
Aitkin County, Minnesota



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Date: (9/20/2018) Source: Z:\Clients\IE_FIE\enbridge\Line_3_Full_Replacement\ieid_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\WMI\CSA\Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-7

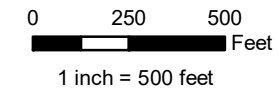
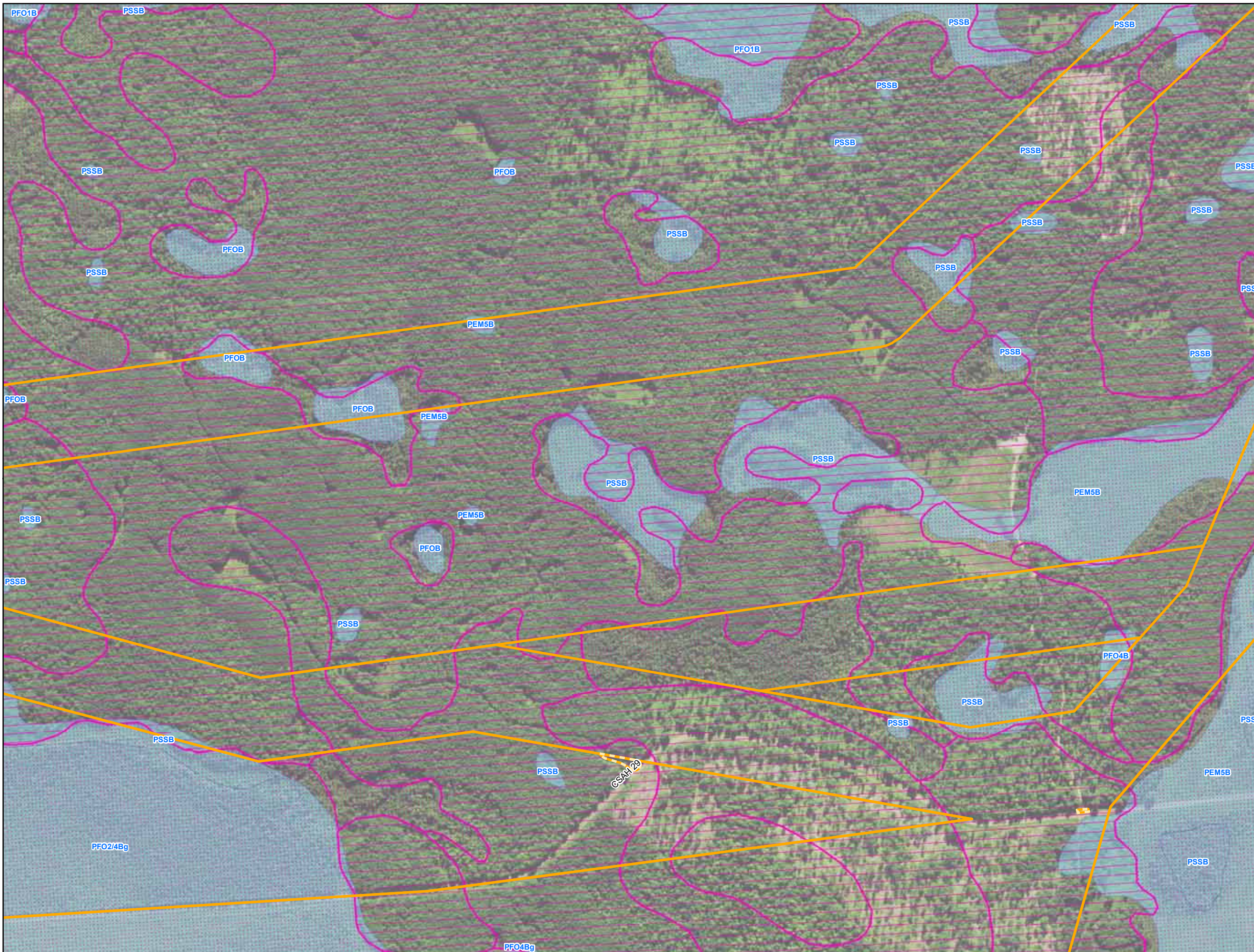
Enbridge
**Desktop Environmental
 Features**
Aitkin County, Minnesota















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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-8

Enbridge Desktop Environmental Features

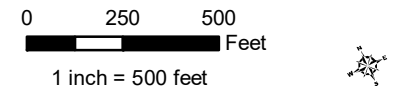
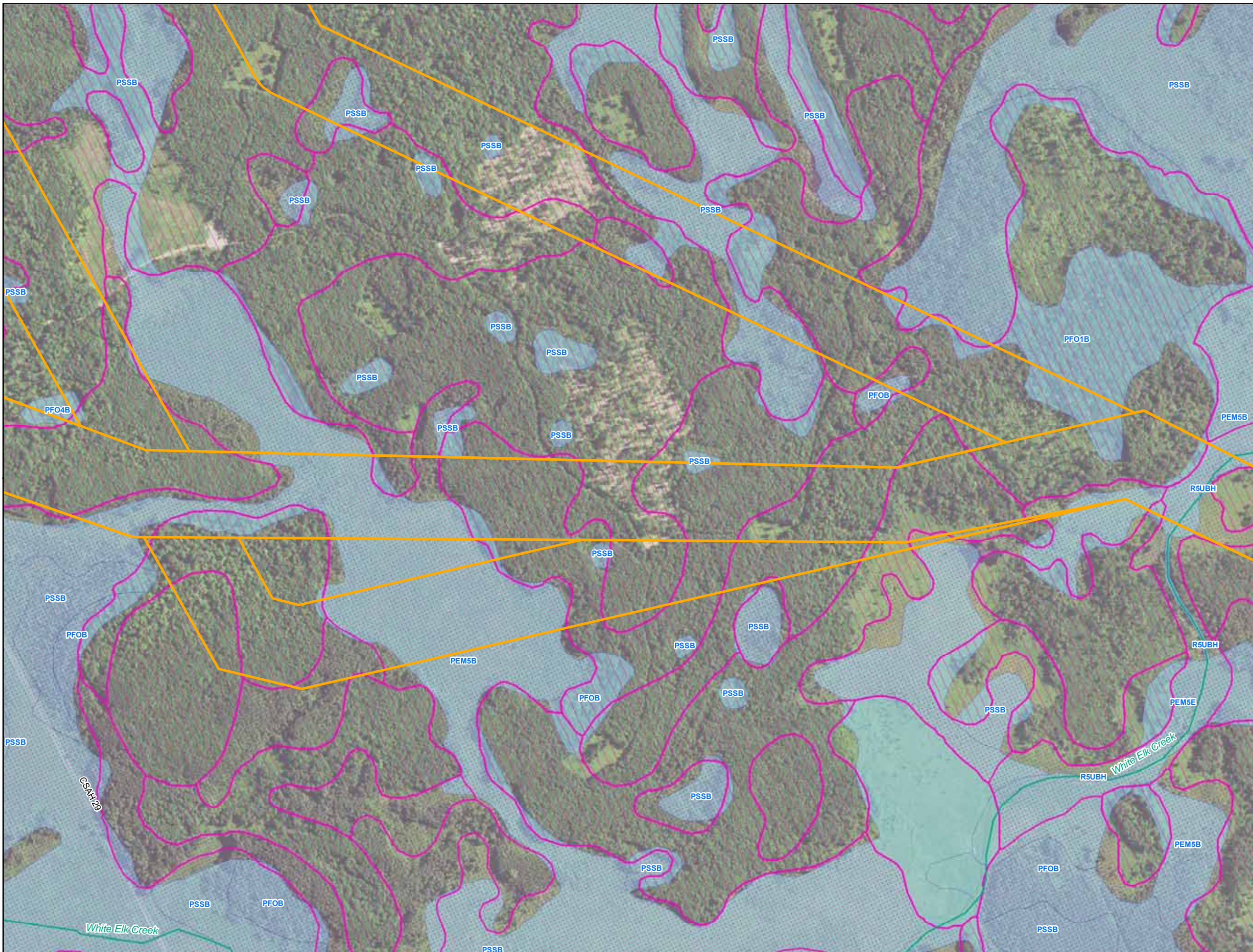
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-9**

Enbridge

**Desktop Environmental
Features**

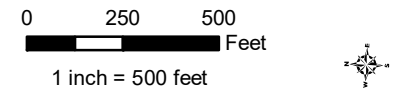
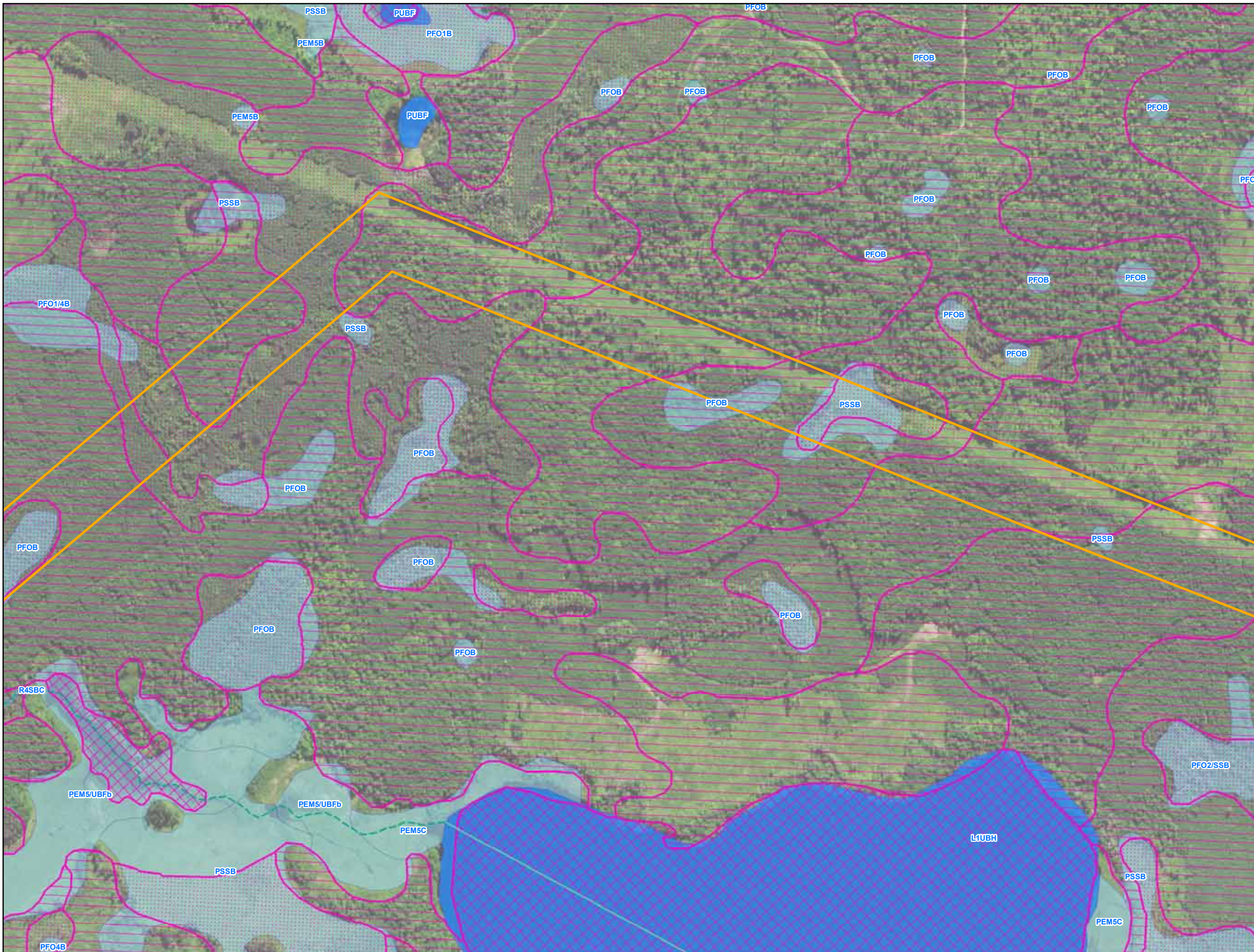
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-10**

Enbridge

**Desktop Environmental
Features**

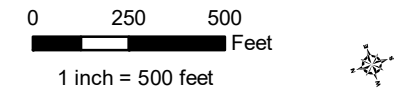
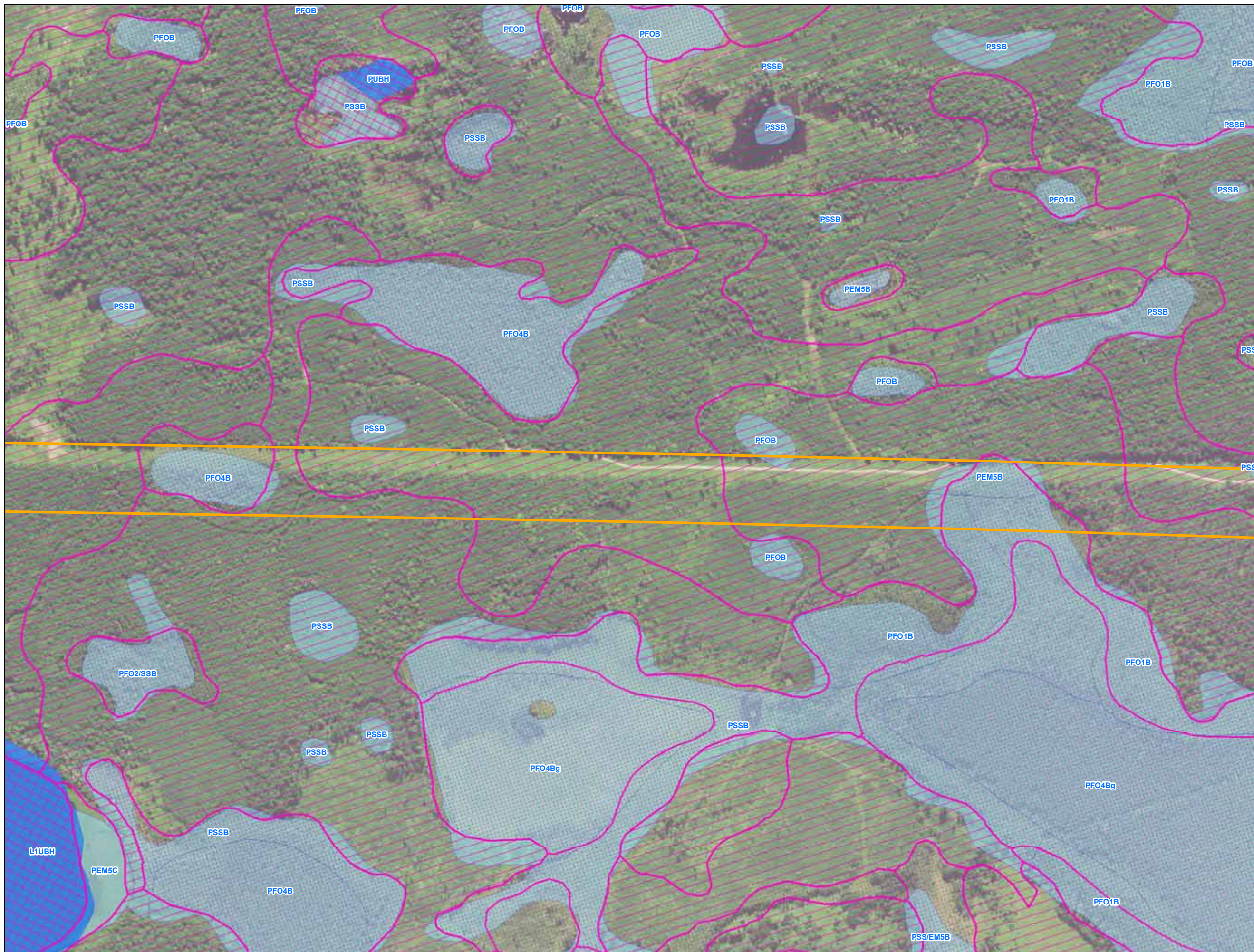
Aitkin County, Minnesota















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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-11

Enbridge

**Desktop Environmental
Features**

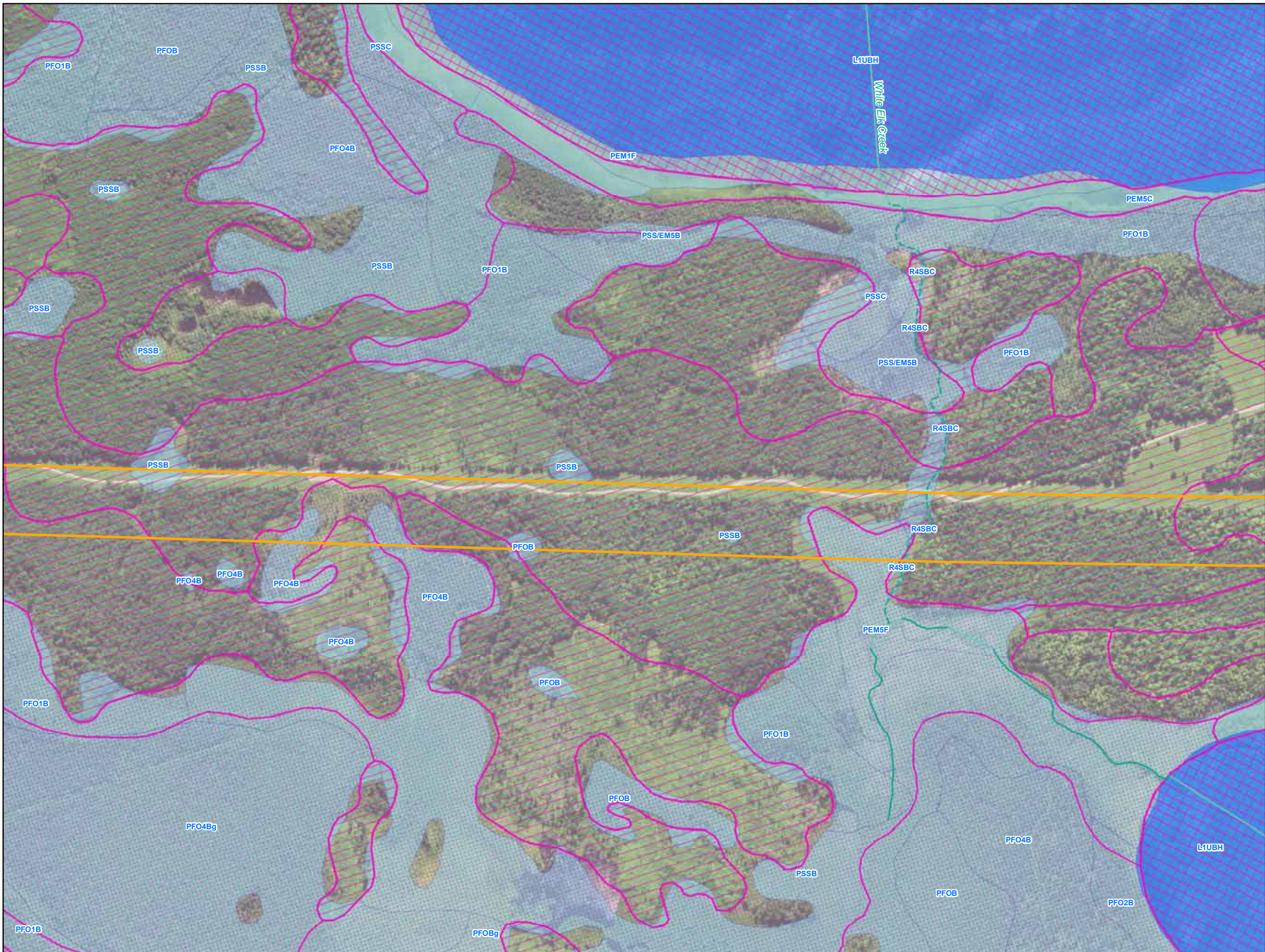
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-12**

Enbridge

**Desktop Environmental
Features**

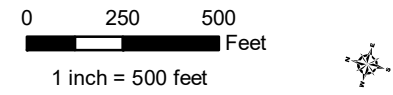
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-13**

Enbridge

**Desktop Environmental
Features**

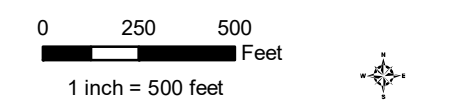
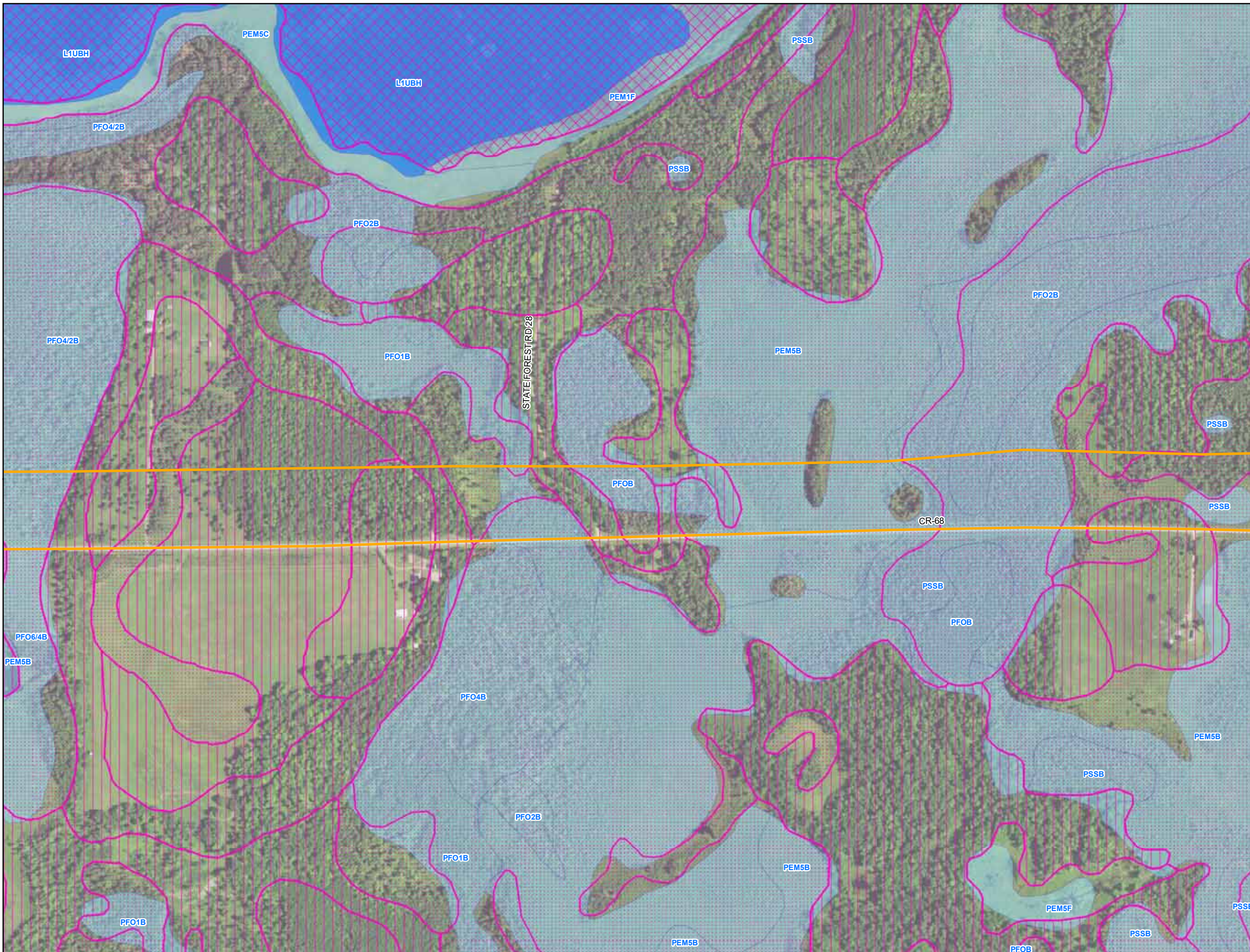
Aitkin County, Minnesota















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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-14

Enbridge
**Desktop Environmental
Features**

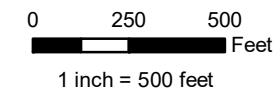
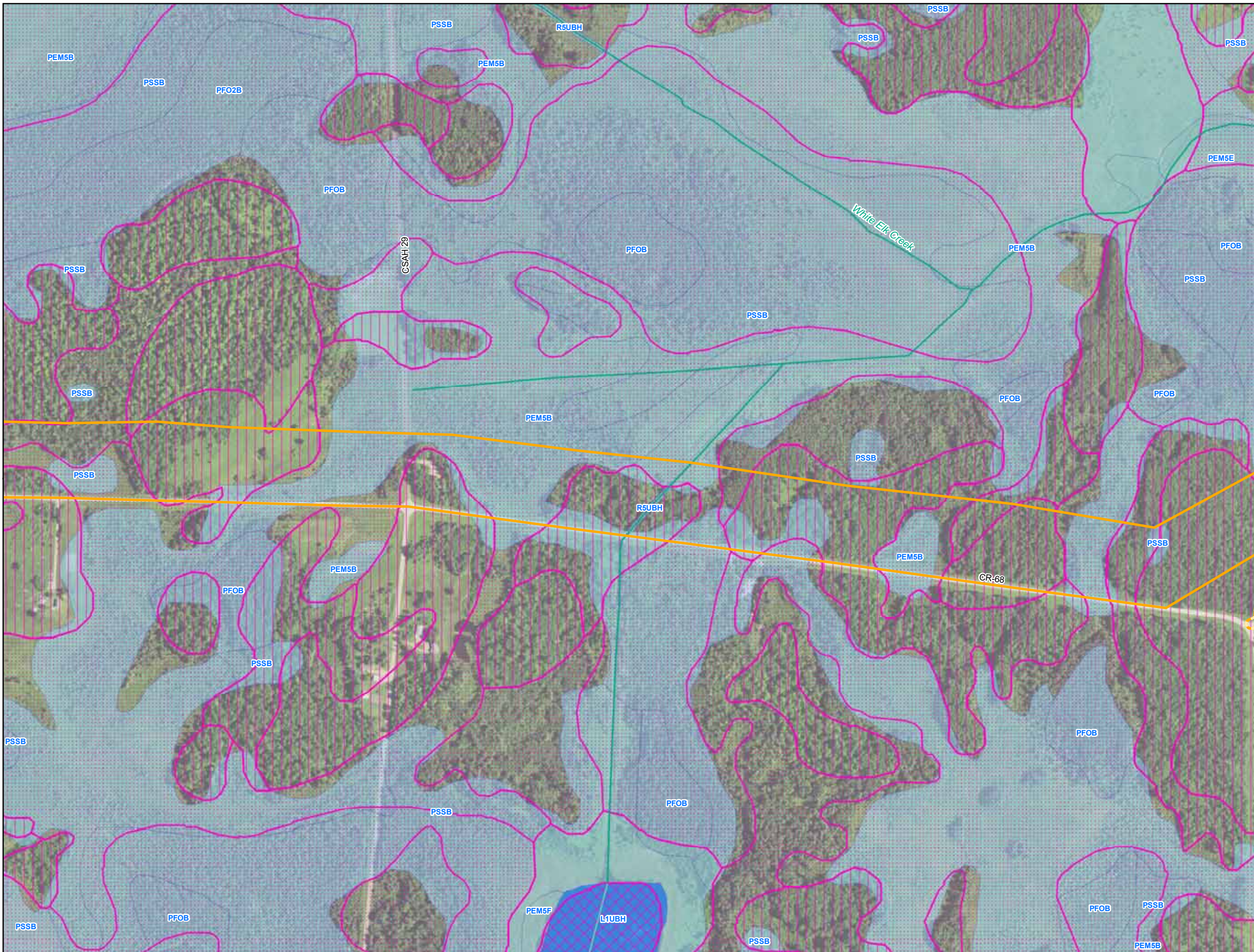
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-15

Enbridge

**Desktop Environmental
Features**

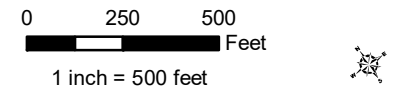
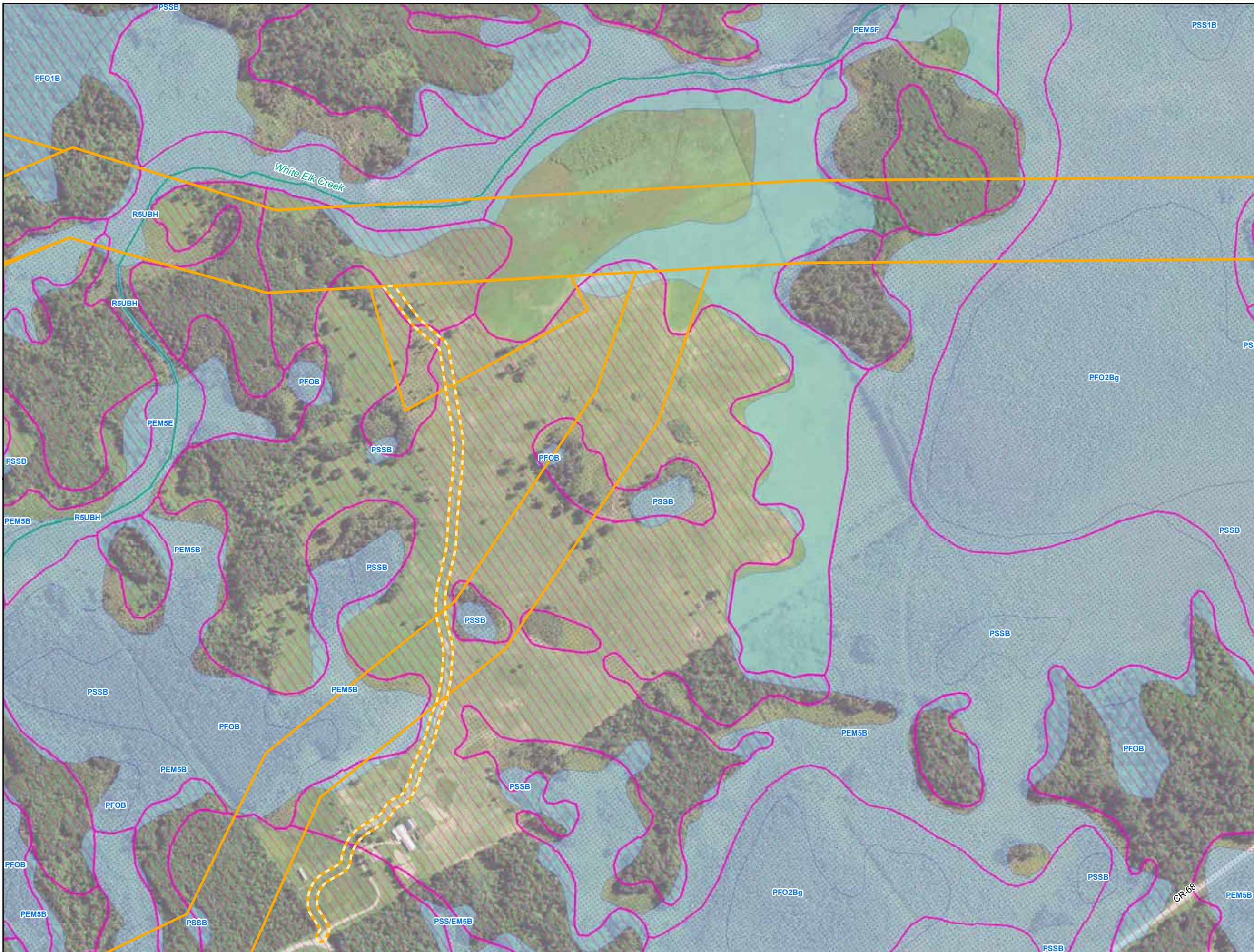
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-16**

Enbridge

**Desktop Environmental
Features**

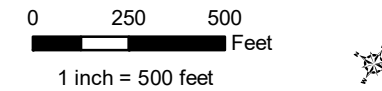
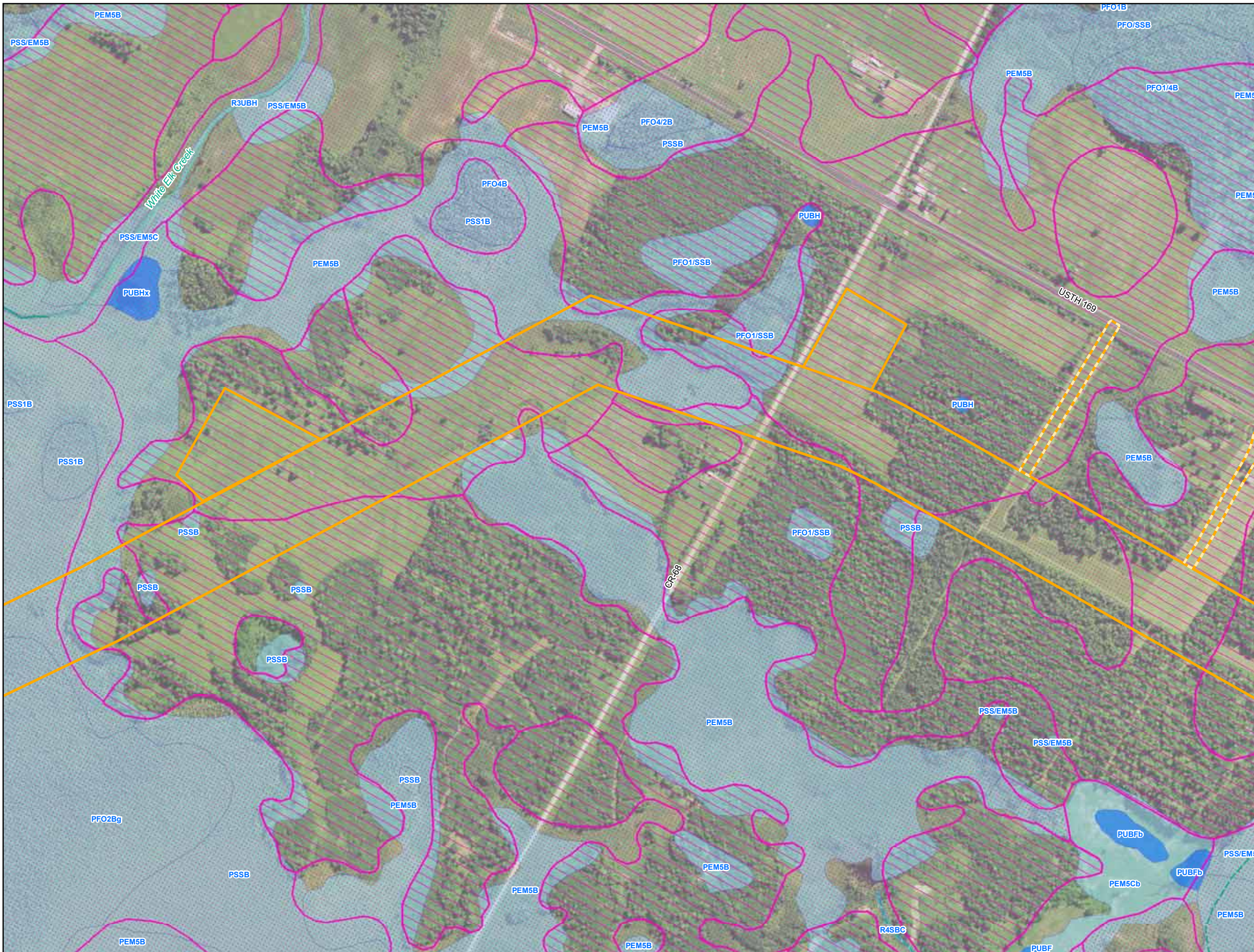
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-17

Enbridge

**Desktop Environmental
Features**

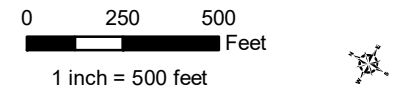
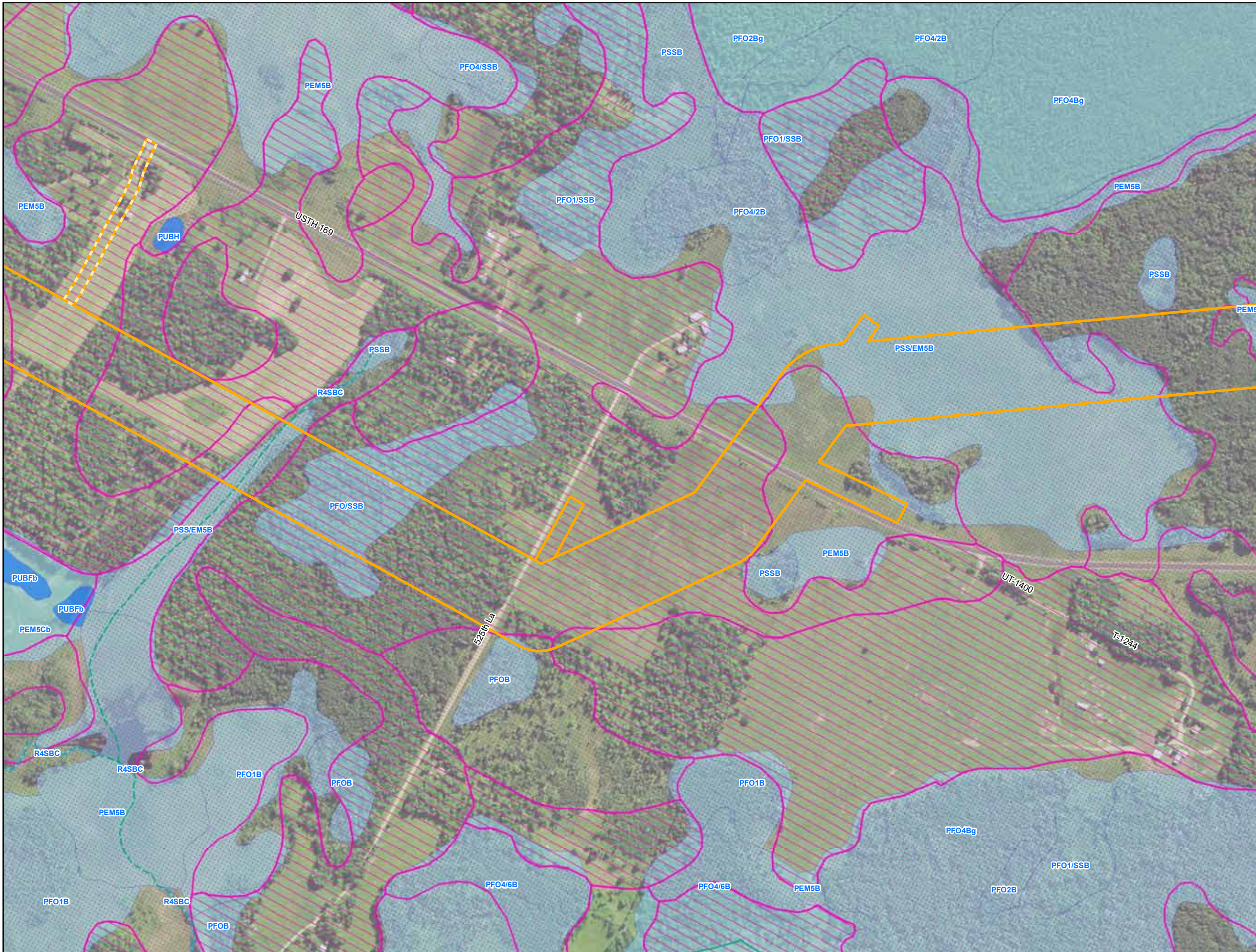
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-18

Enbridge
Desktop Environmental
Features

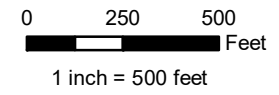
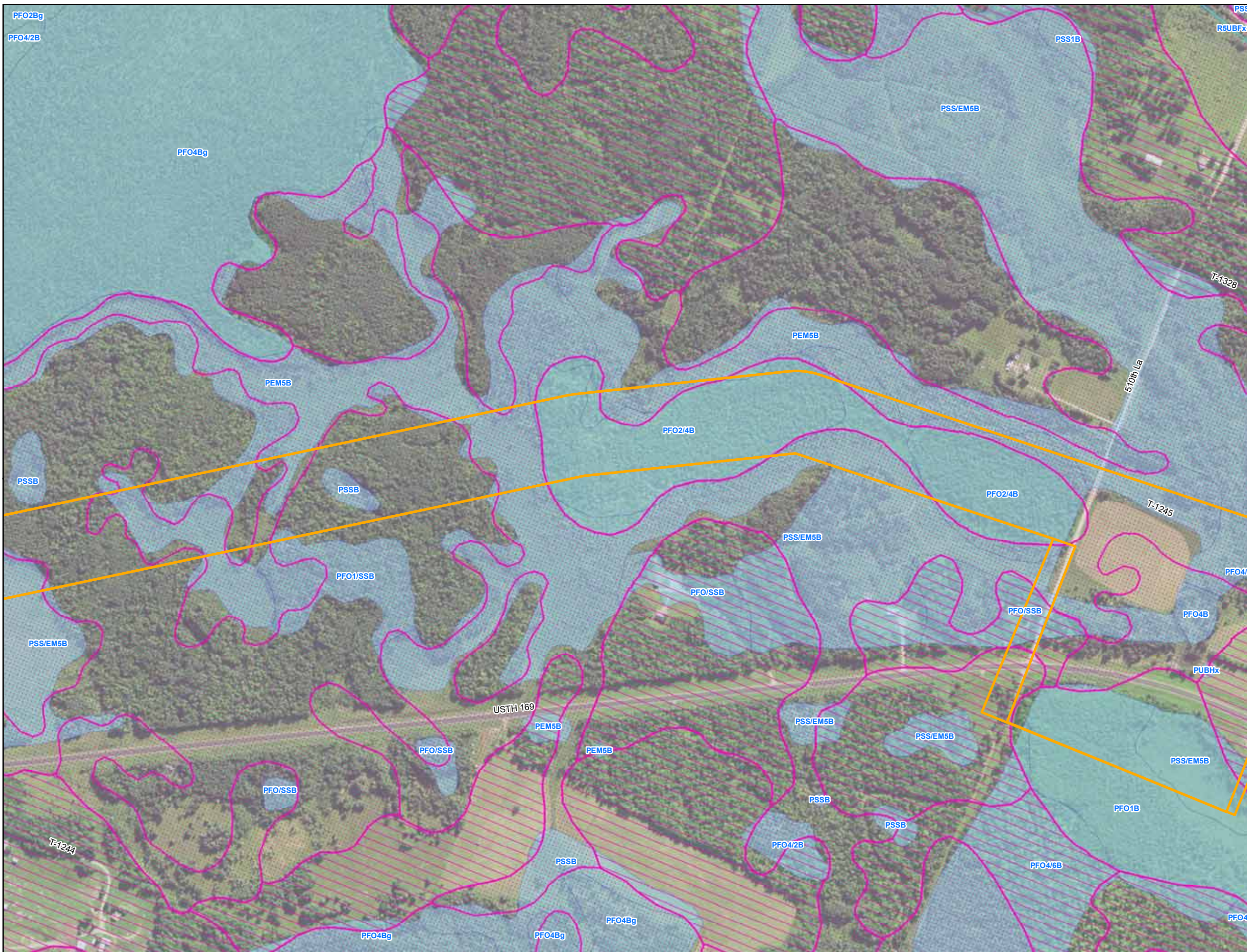
Aitkin County, Minnesota















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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-19**

Enbridge

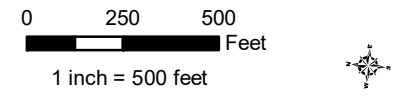
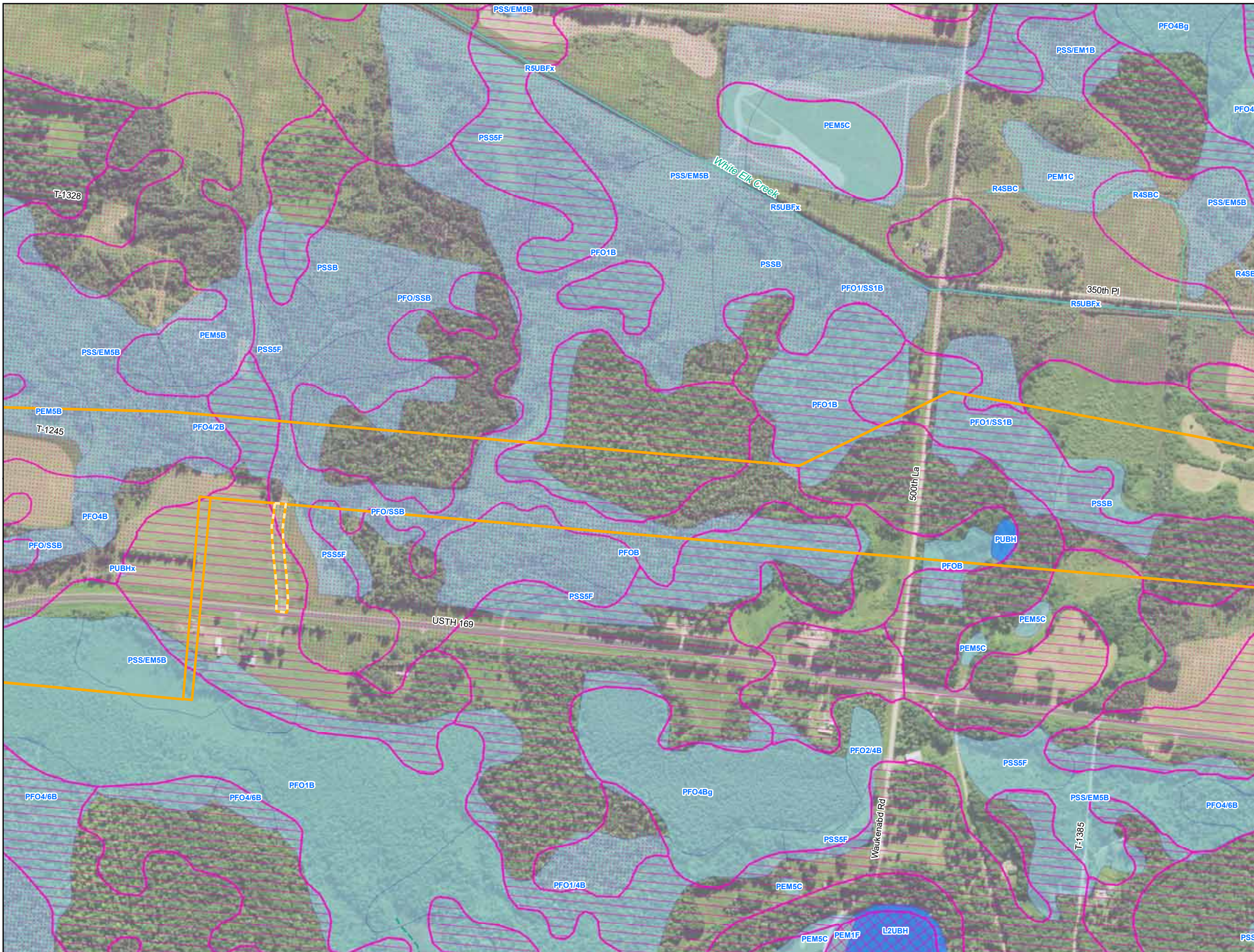
**Desktop Environmental
Features**

Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-20**

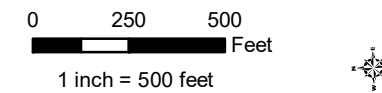
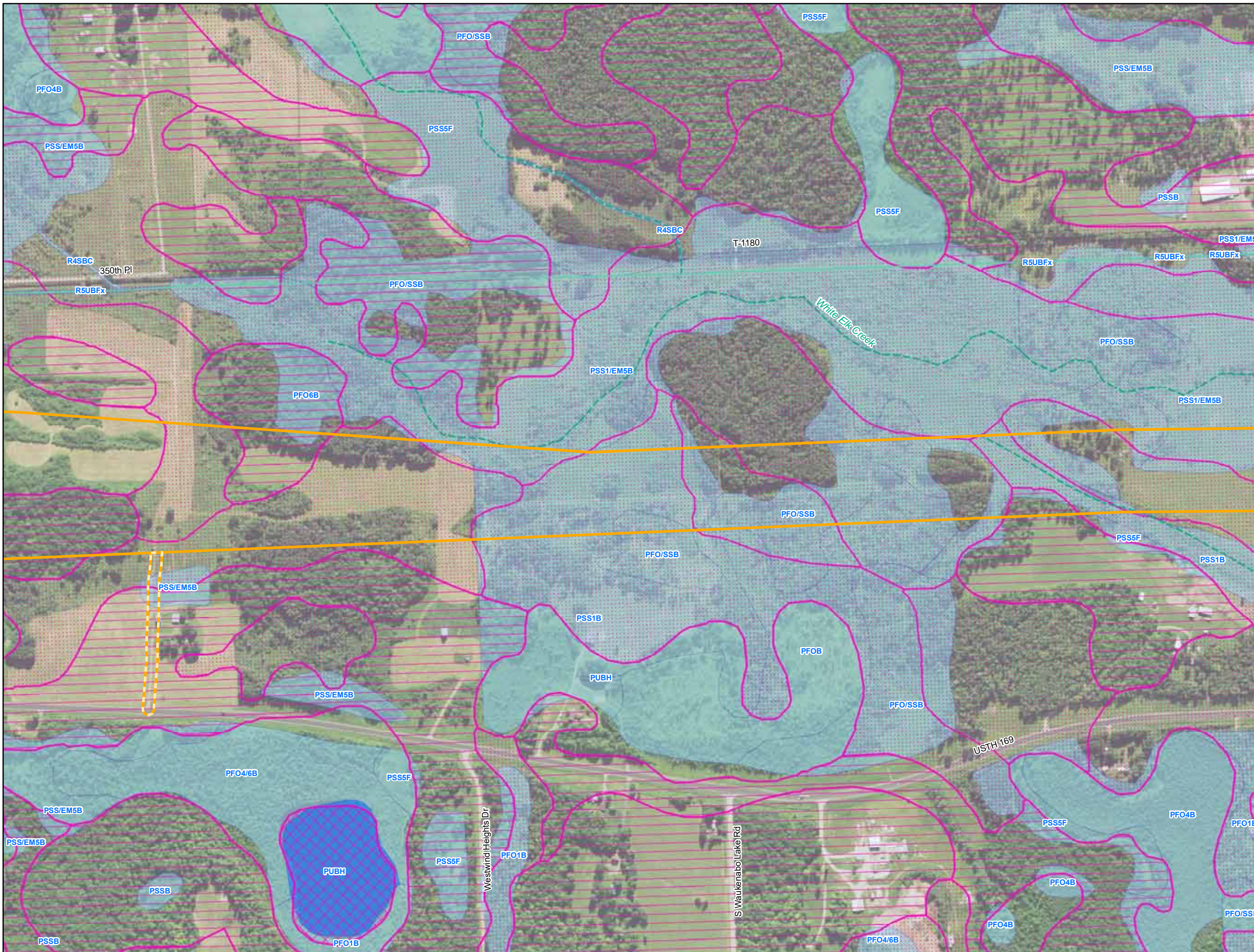
**Enbridge
Desktop Environmental
Features
Aitkin County, Minnesota**















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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-21

Enbridge
**Desktop Environmental
Features**

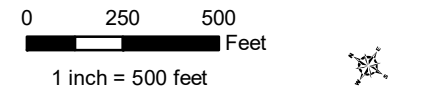
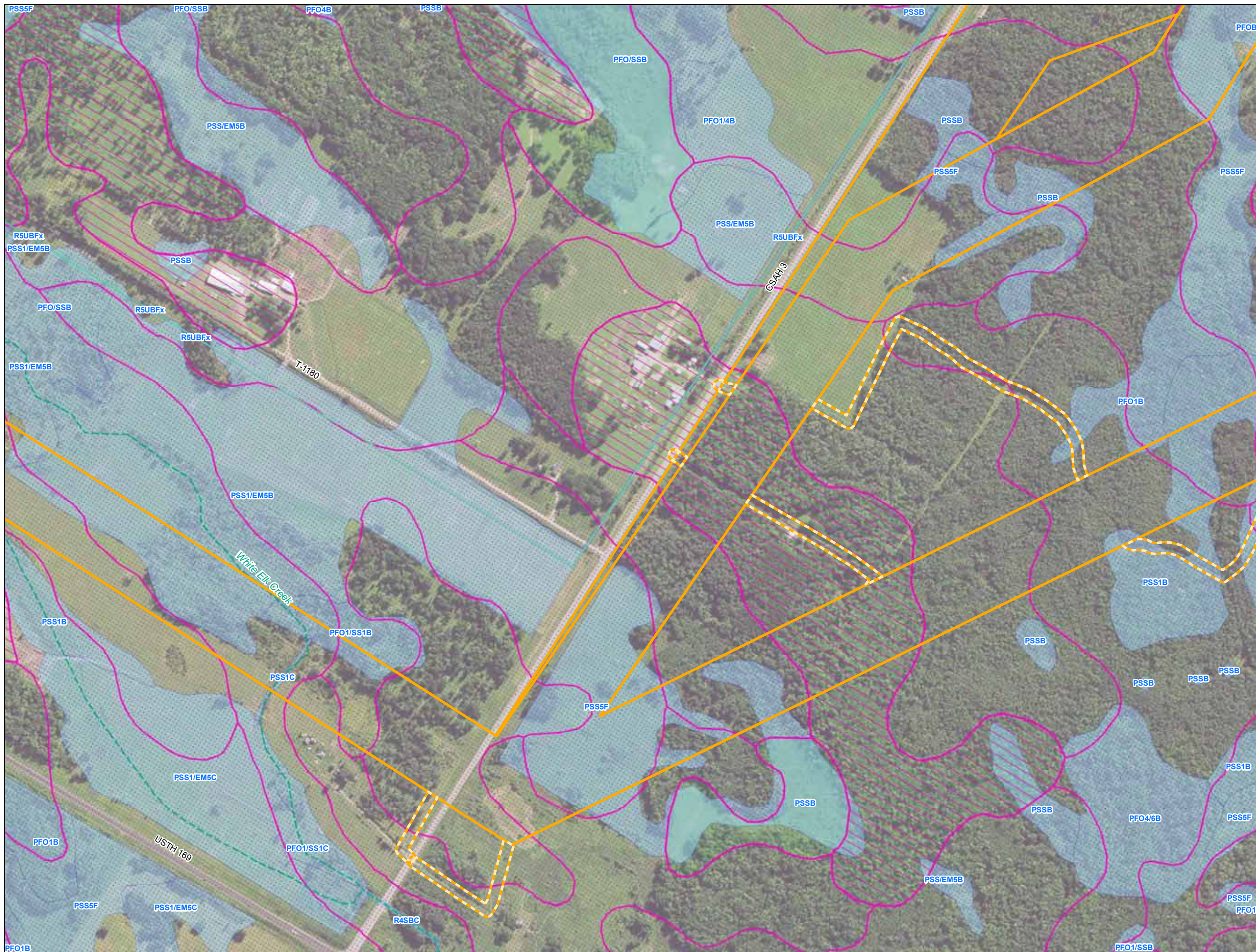
Aitkin County, Minnesota















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Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\MapData\Waterbody\Reports\Wetland_Waterbody_20180631\Map\T13R_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-22**

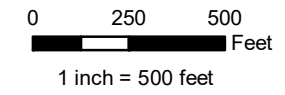
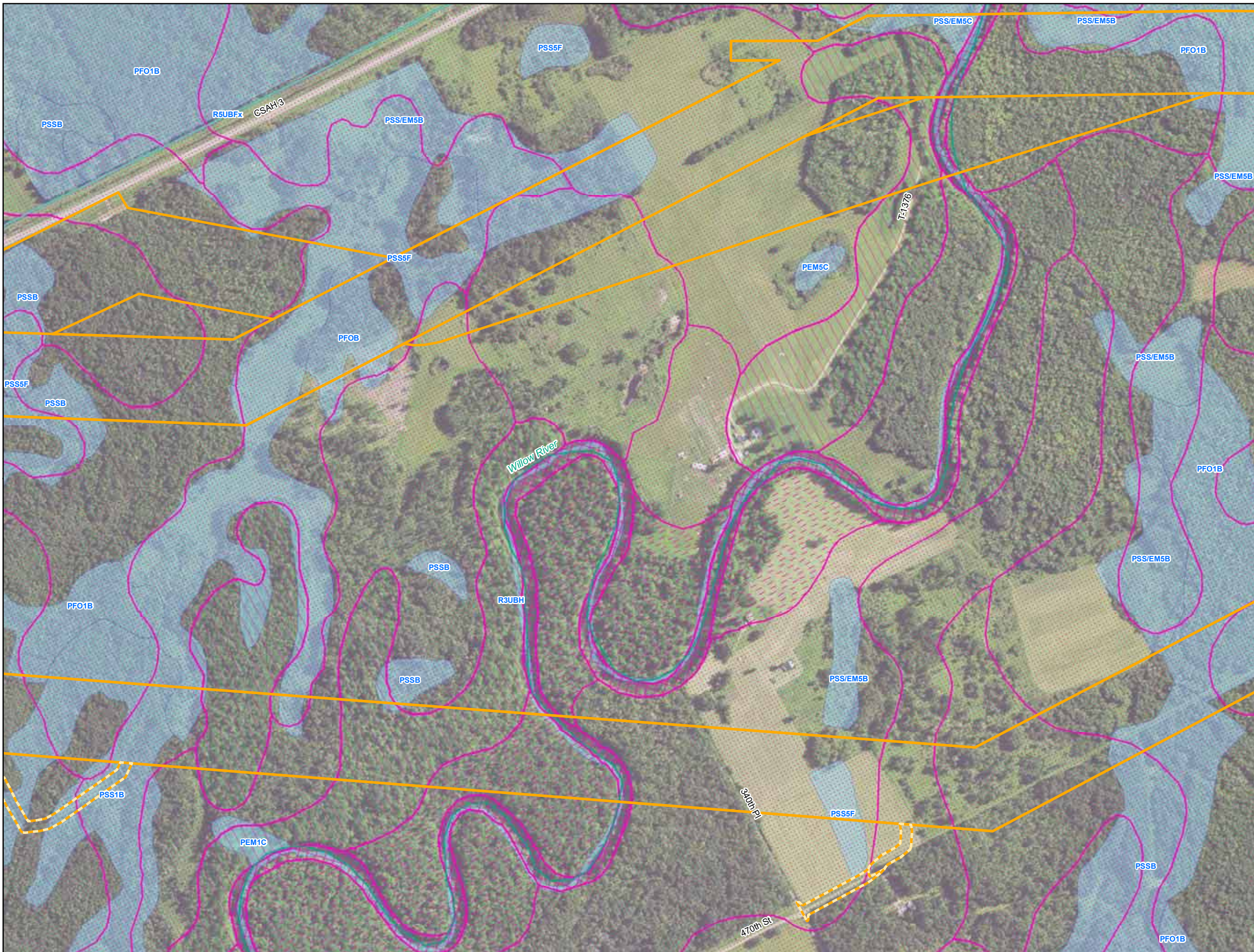
**Enbridge
Desktop Environmental
Features
Aitkin County, Minnesota**



September 2018

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Date: (9/20/2018) Source: Z:\Clients\ENR\EnbridgeLine_3_Full_ReplacementField_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180831\MTL\CSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-23**

**Enbridge
Desktop Environmental
Features**

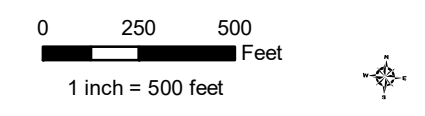
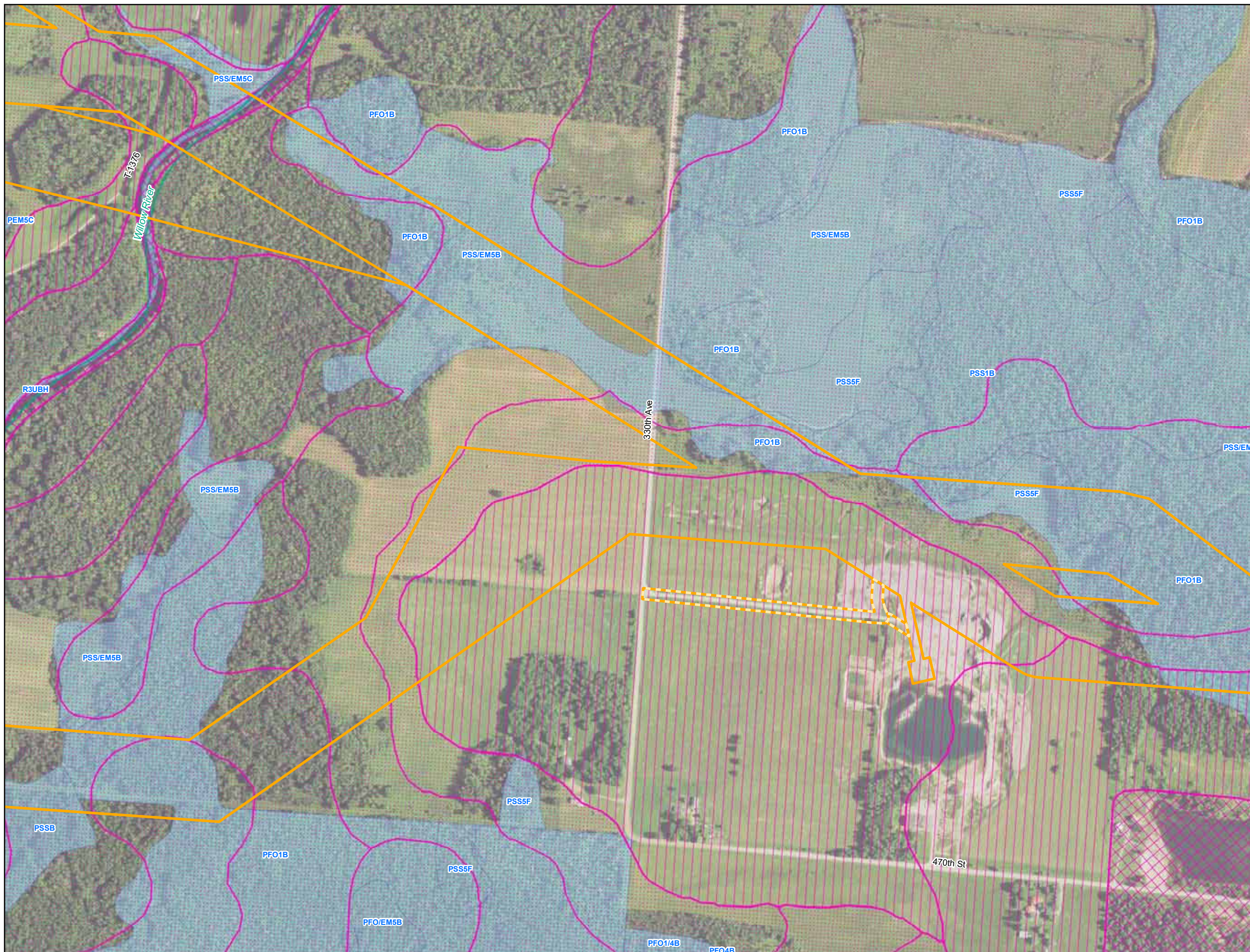
Aitkin County, Minnesota



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Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\MapData\Wetland\Wetland\Wetland\WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-24**

**Enbridge
Desktop Environmental
Features**

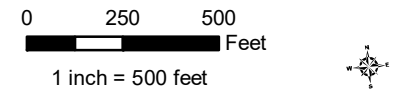
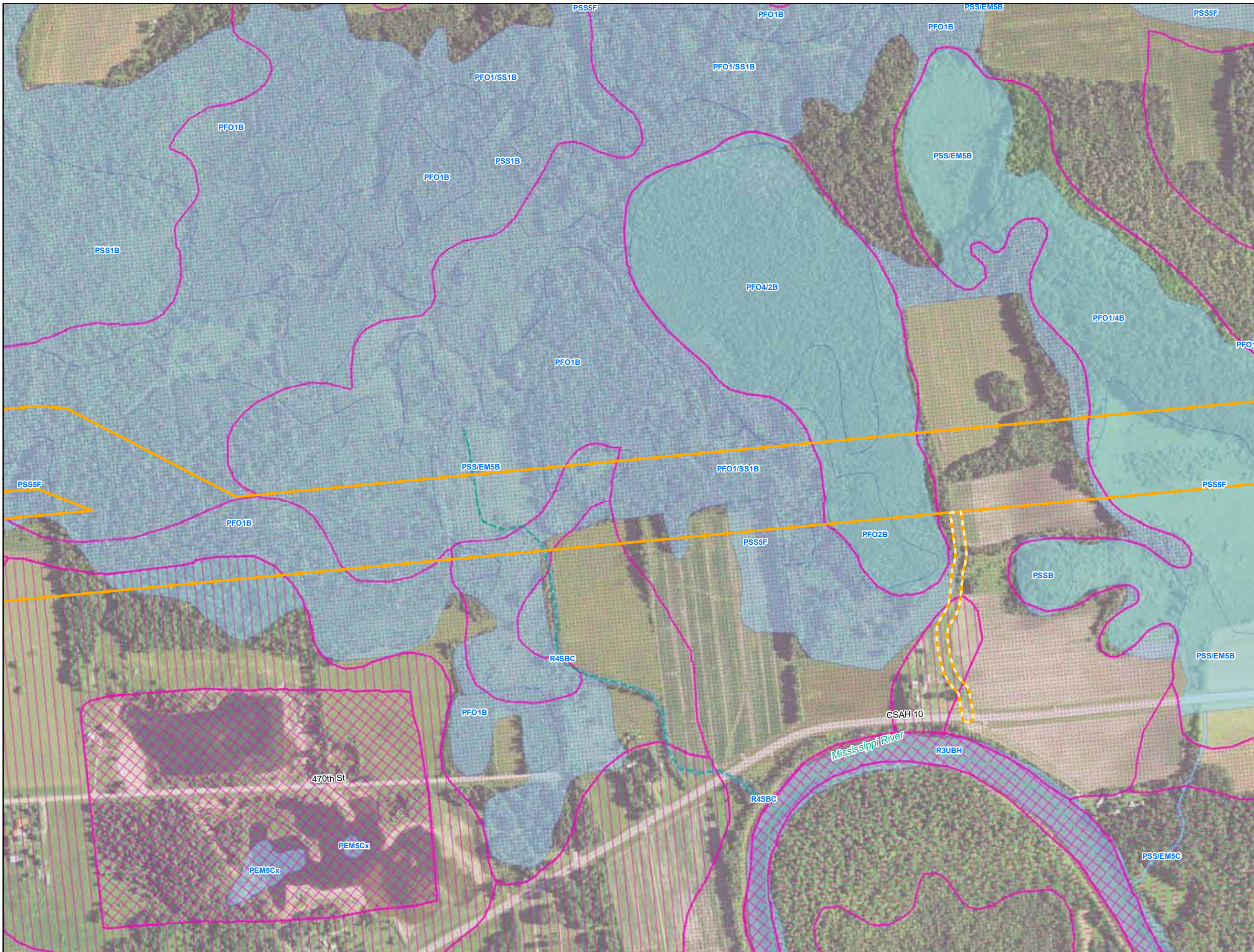
Aitkin County, Minnesota















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Source: Z:\Clients\IE_FHE\EnbridgeLine_3_Full_Replacement\Mid_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MT\CSR_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-25

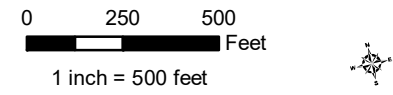
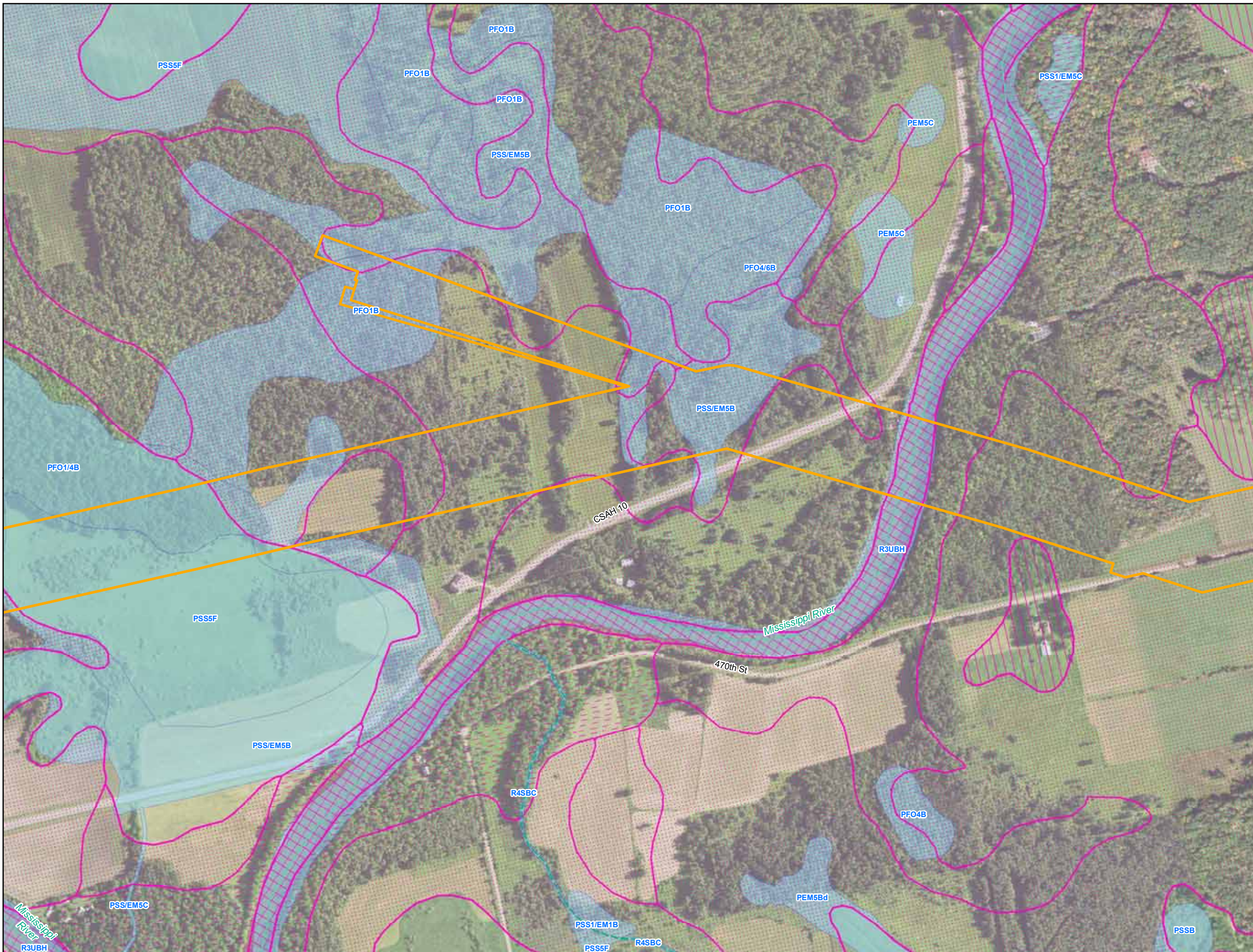
Enbridge
**Desktop Environmental
 Features**
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MT\CSA\Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-26**

Enbridge

**Desktop Environmental
Features**

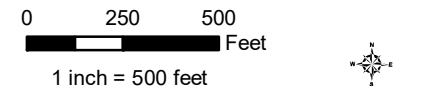
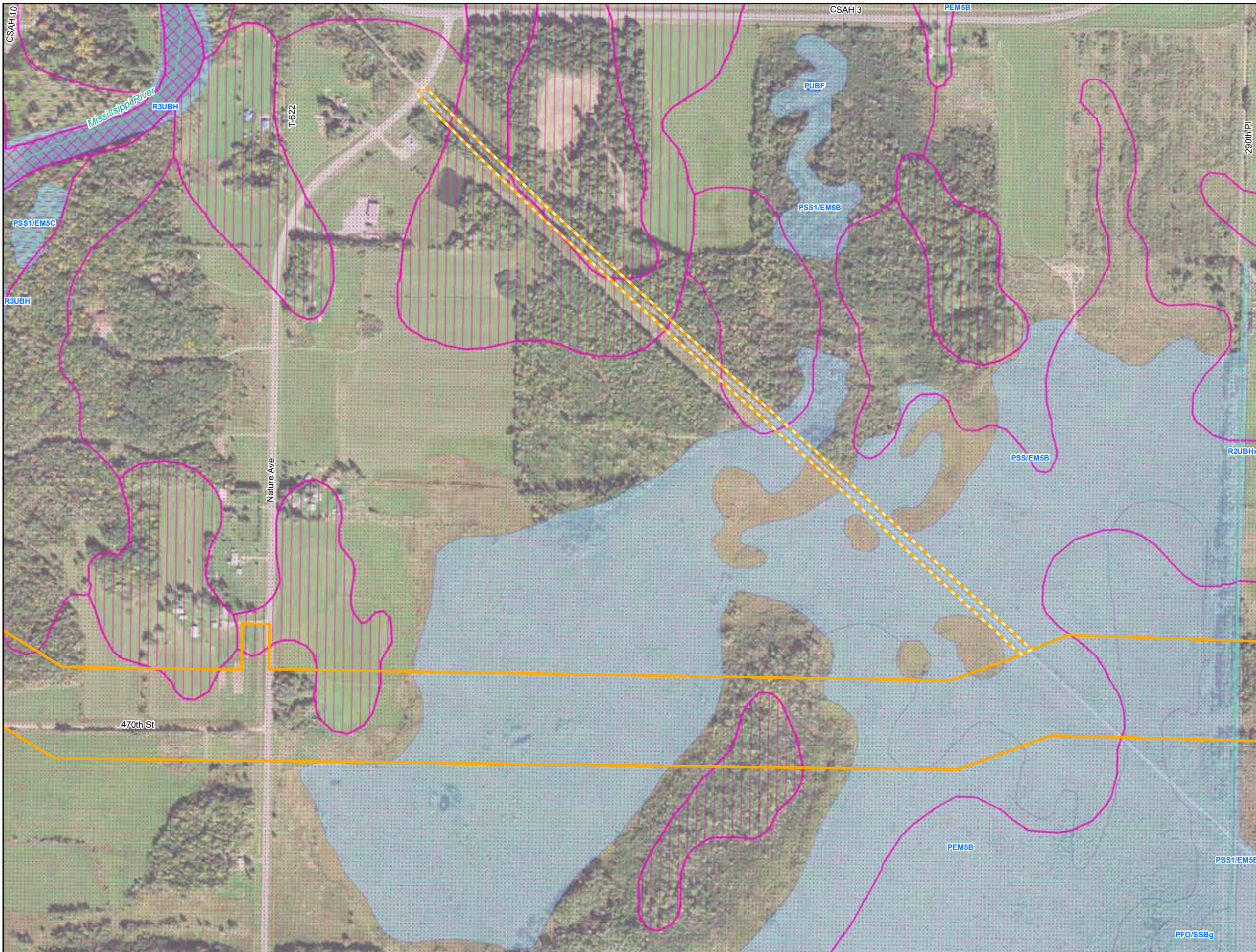
Aitkin County, Minnesota















September 2018

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Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland\Wetland\Waterbody\Reports\Wetland\Waterbody_20180631\MT\CSA\Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-27**

Enbridge

**Desktop Environmental
Features**

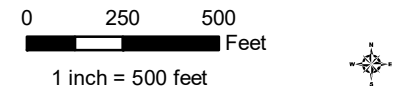
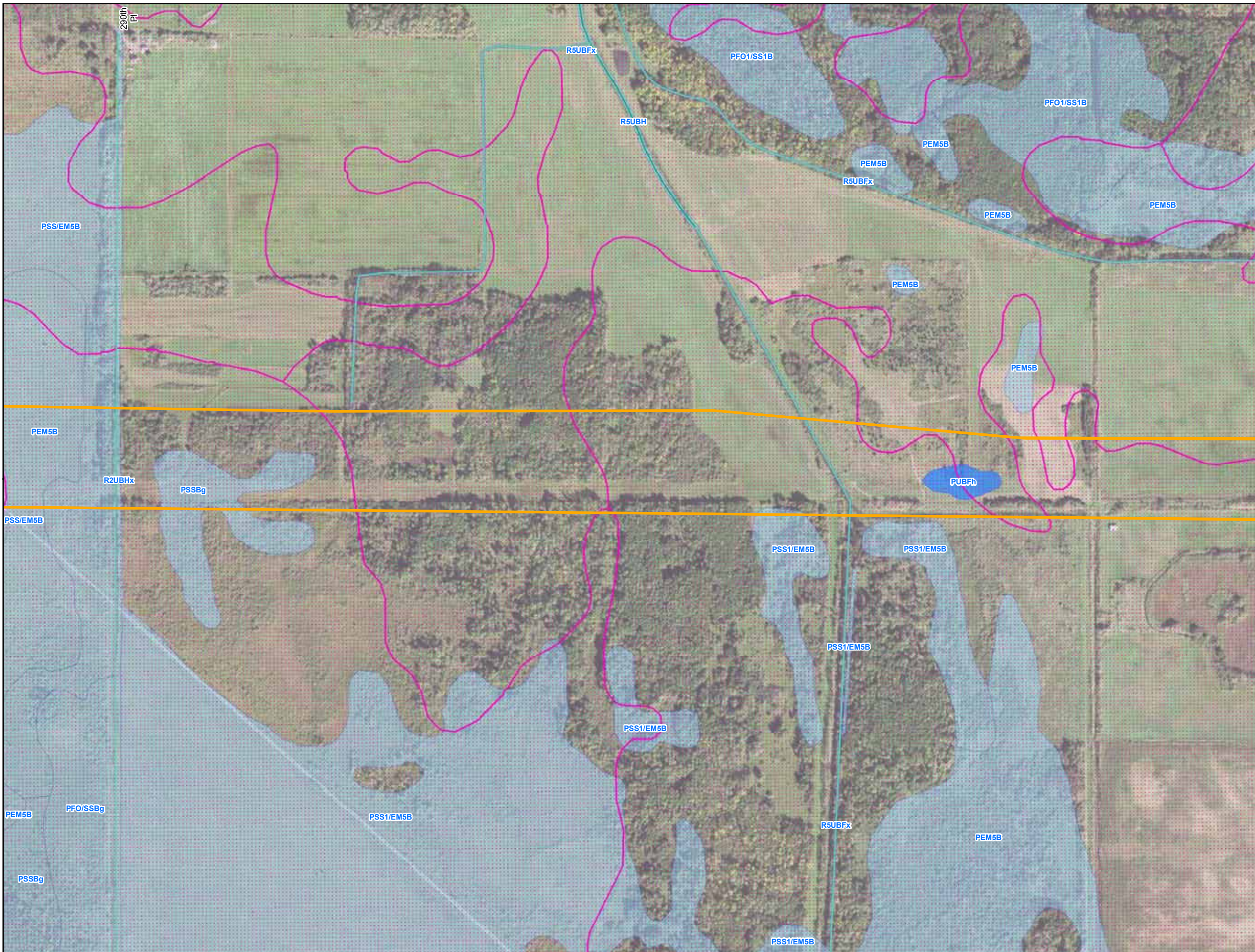
Aitkin County, Minnesota



September 2018

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Date: (9/20/2018) Source: Z:\Clients\ENR\Enbridge\Line_3_Full_Replacement\MapData\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\Map\Line3R_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-28**

Enbridge

**Desktop Environmental
Features**

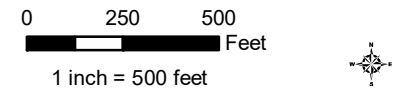
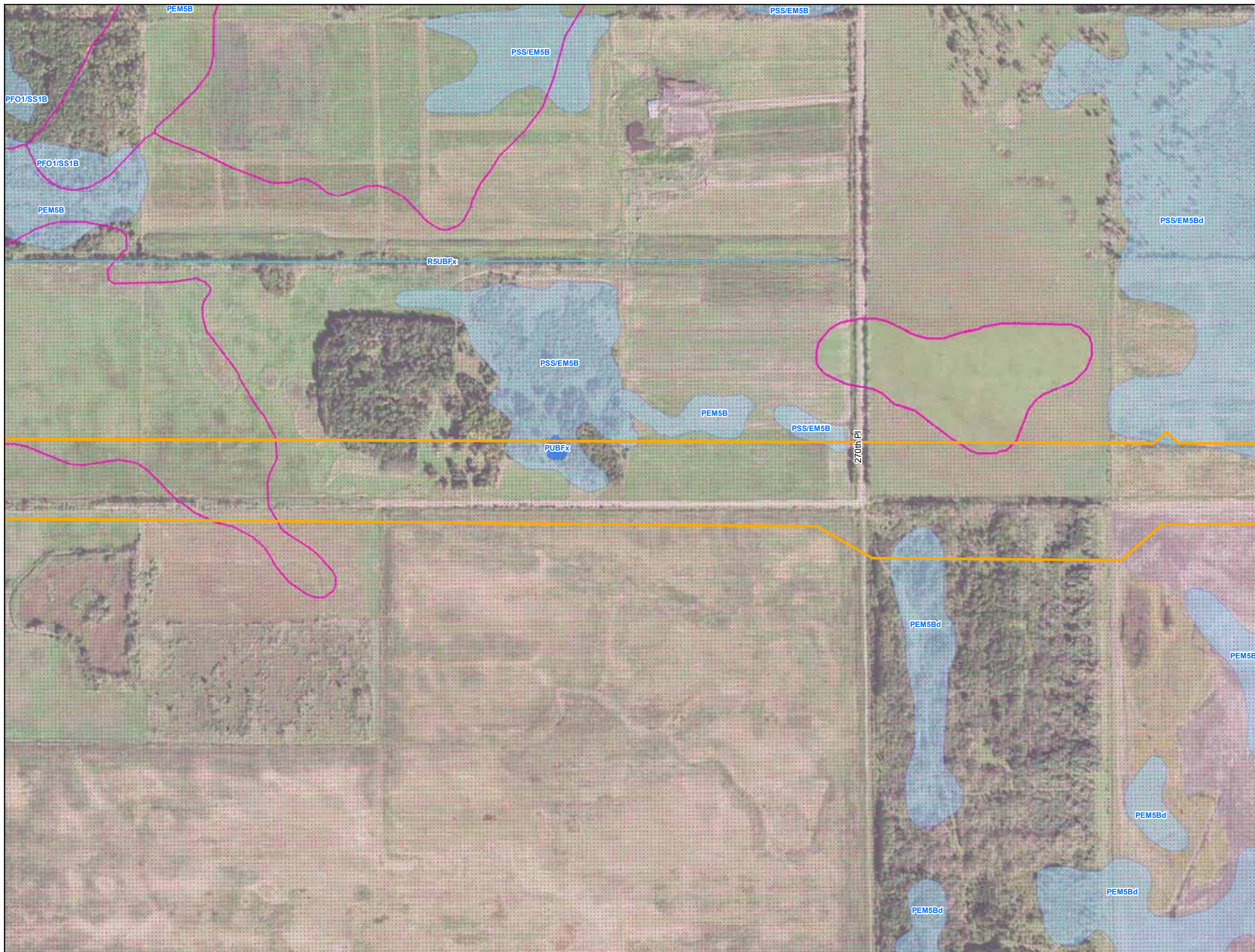
Aitkin County, Minnesota















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Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\Wetland_Waterbody_20180631\AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-29

Enbridge

Desktop Environmental Features

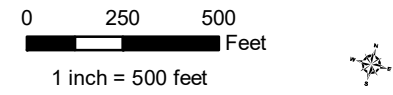
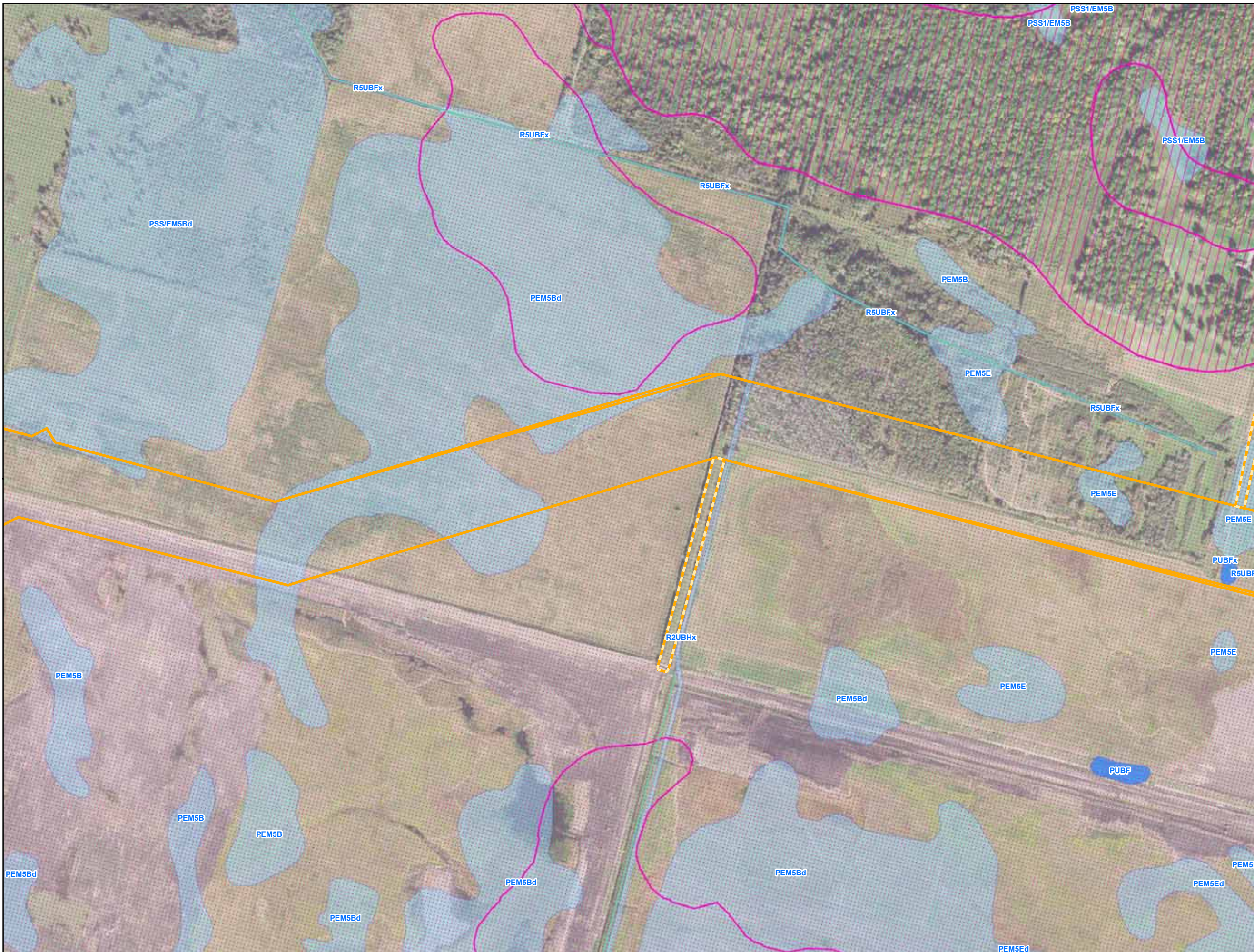
Aitkin County, Minnesota



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Date: (9/20/2018) Source: Z:\Clients\IE_FHE\EnbridgeLine_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-30

Enbridge

Desktop Environmental Features

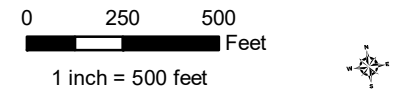
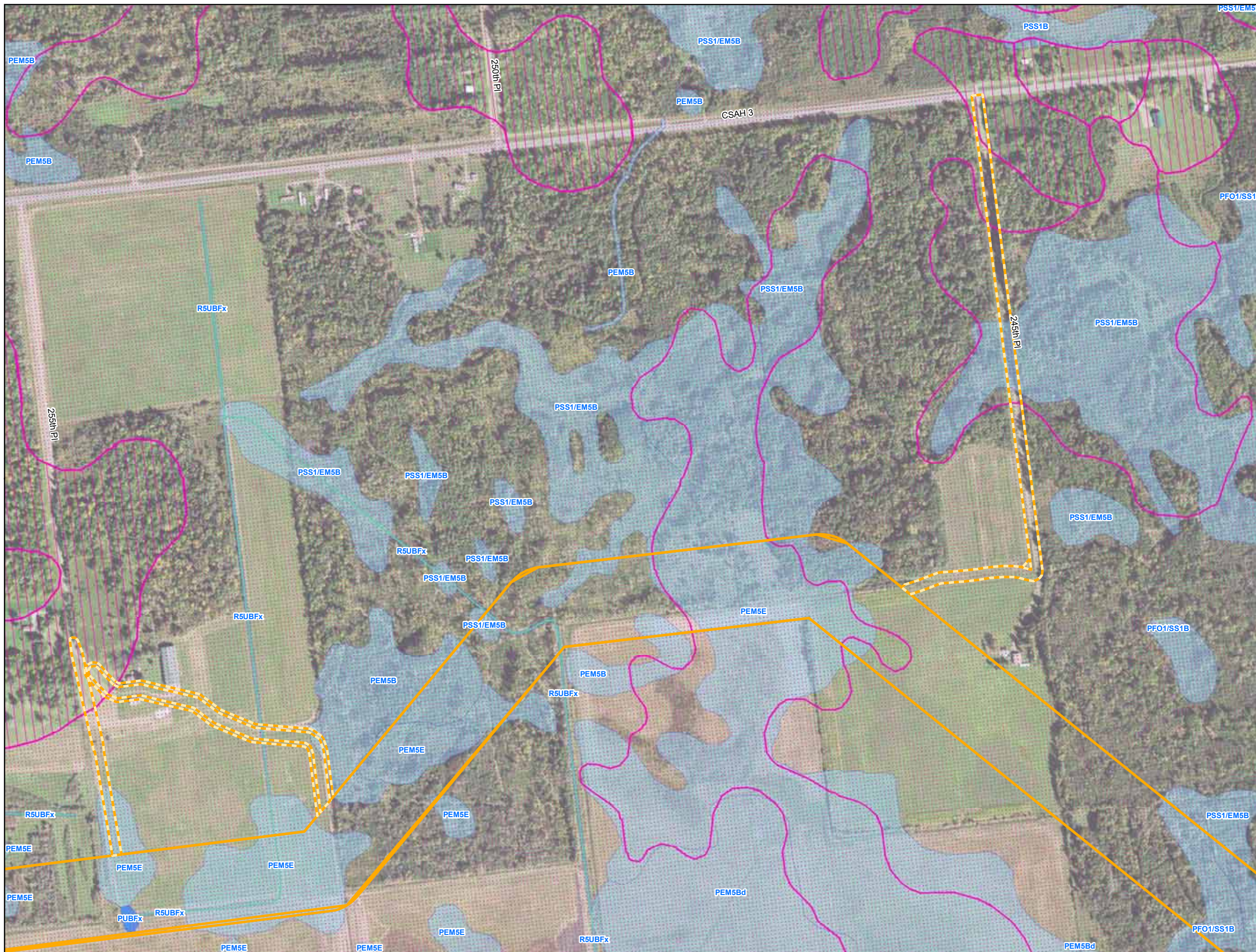
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-31

Enbridge
**Desktop Environmental
Features**

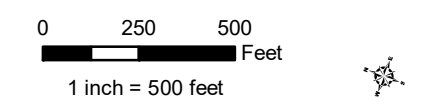
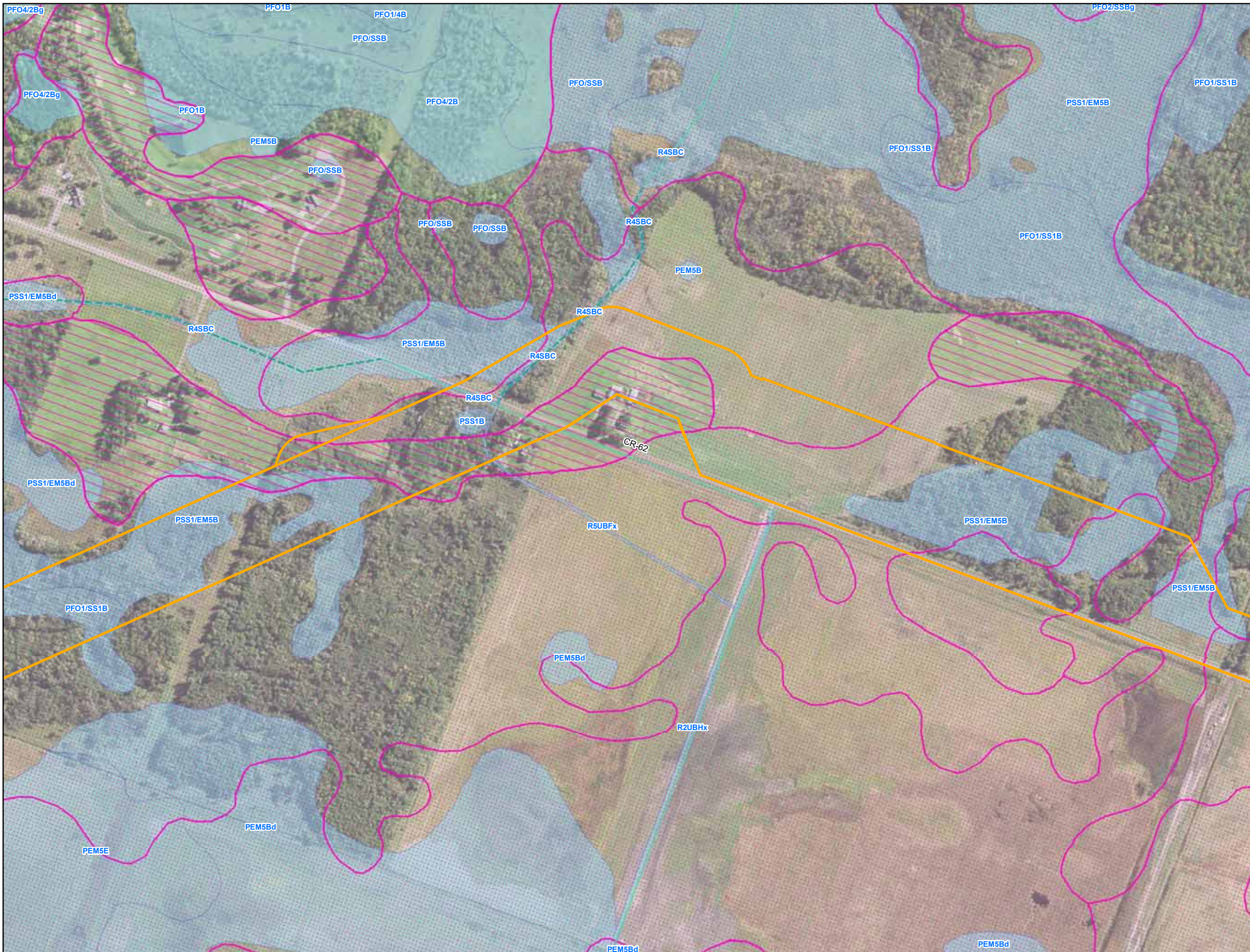
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge\Line_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MIN\T13\R_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-32**

**Enbridge
Desktop Environmental
Features**

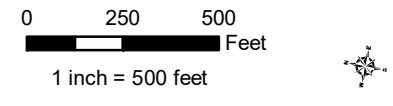
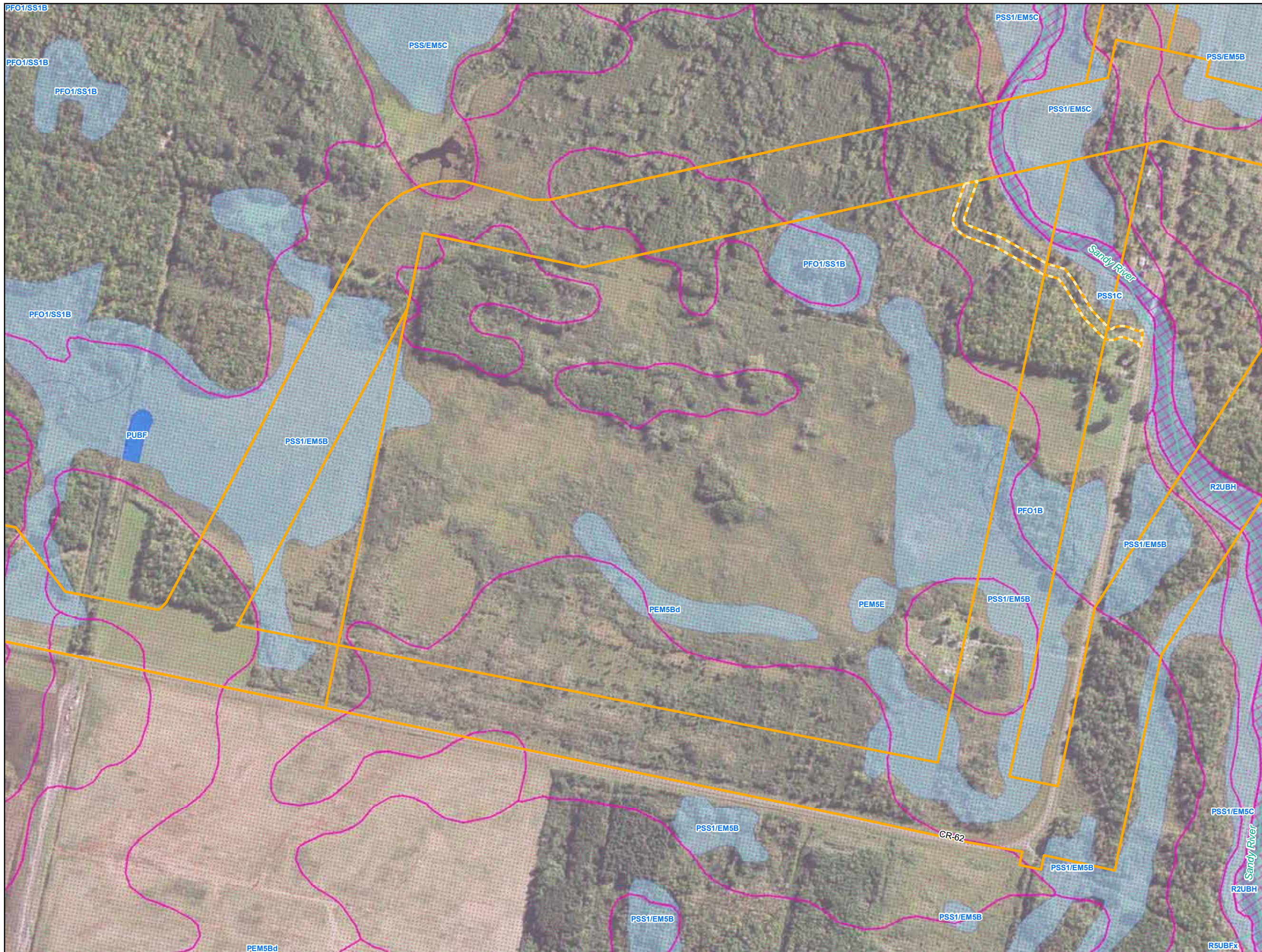
Aitkin County, Minnesota















September 2018

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Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge\Line_3_Full_Replacement\field_Data\Wetland\Waterbody\Reports\Wetland_Data\Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-33

Enbridge

**Desktop Environmental
Features**

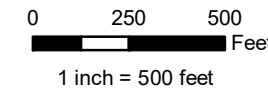
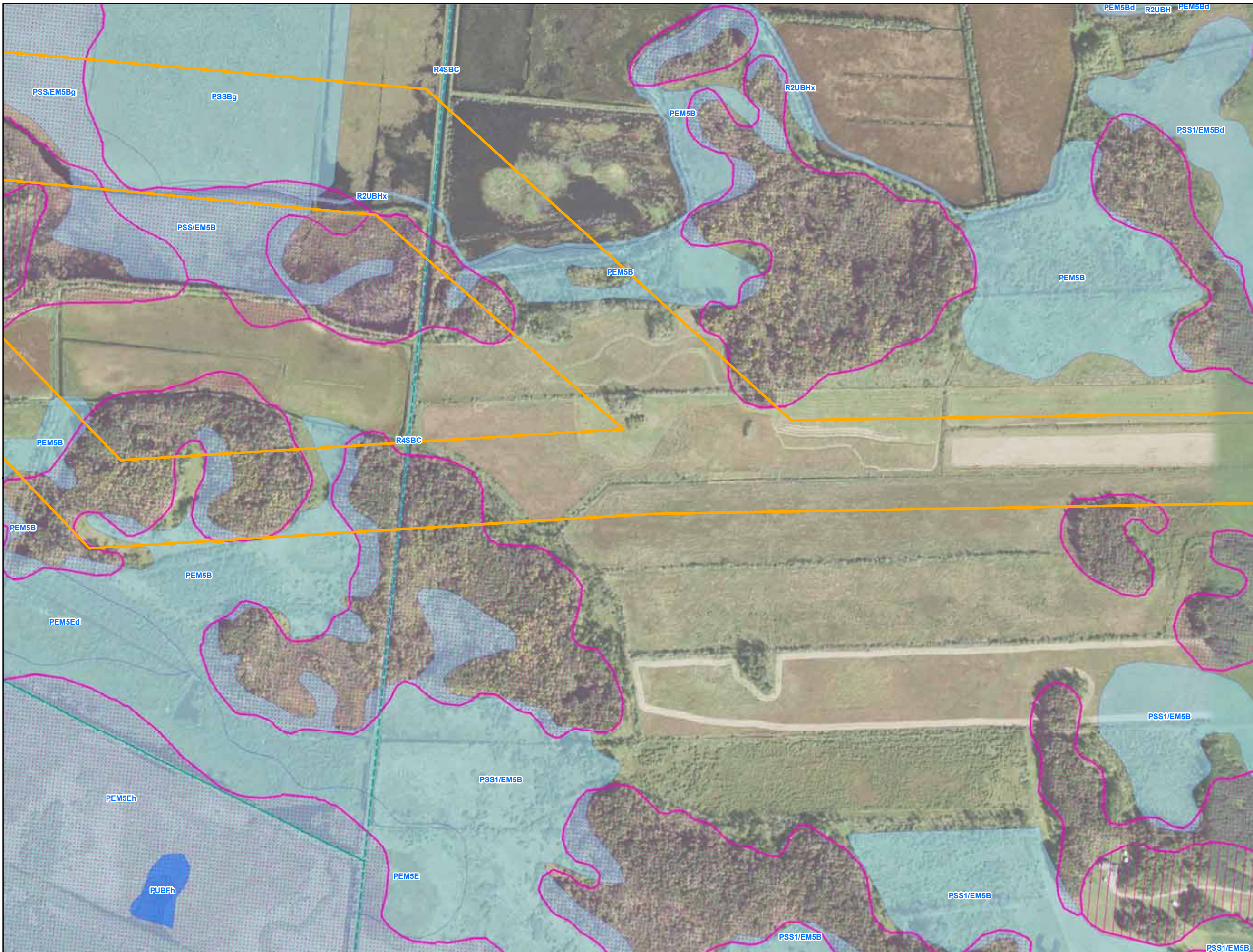
Aitkin County, Minnesota



September 2018

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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-37**

Enbridge

**Desktop Environmental
Features**

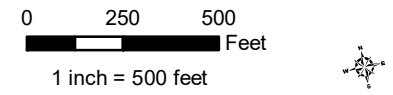
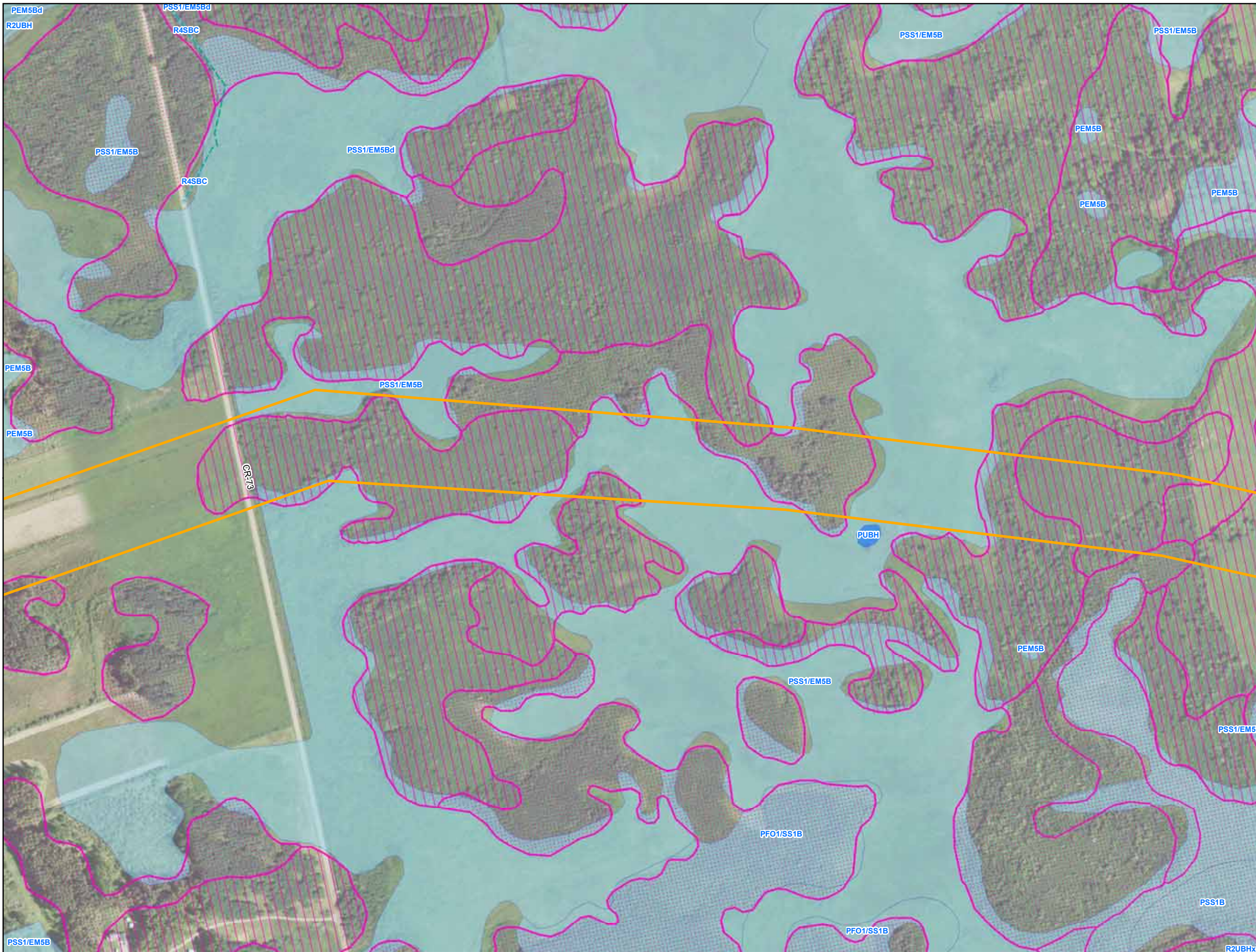
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-38

Enbridge

**Desktop Environmental
Features**

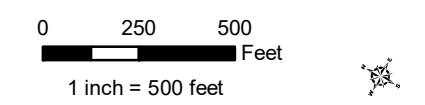
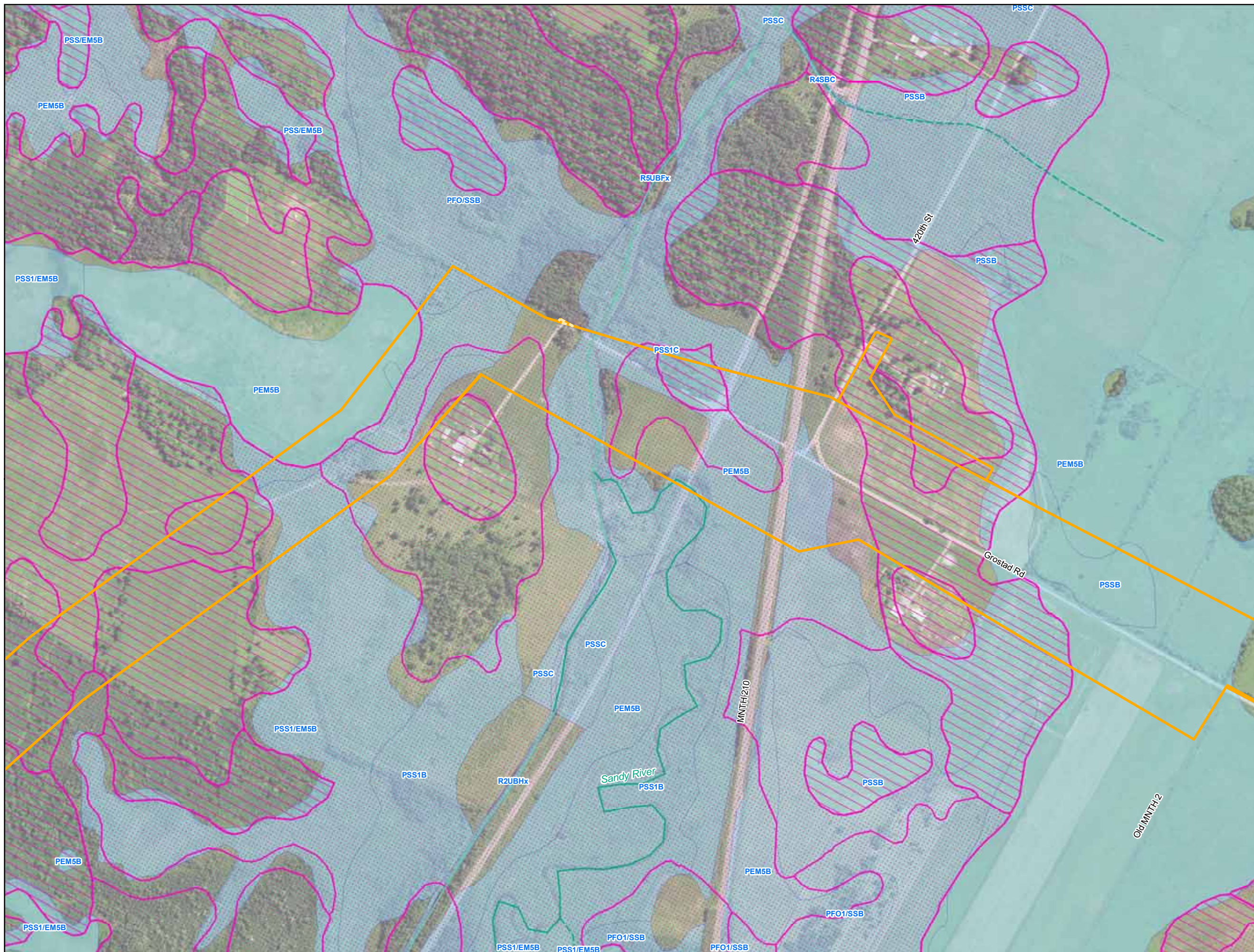
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-39**

Enbridge

**Desktop Environmental
Features**

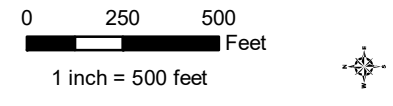
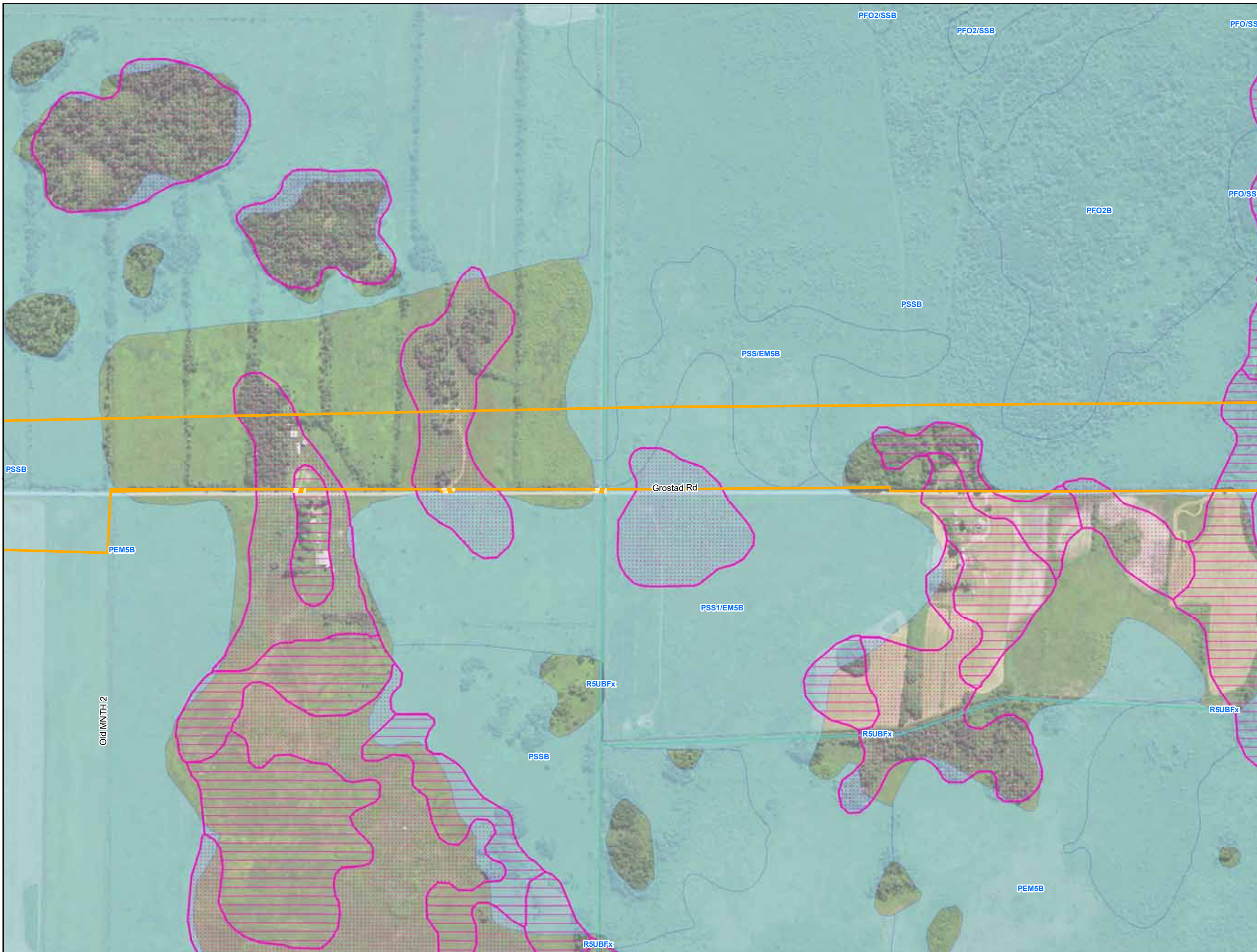
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE_FHE\Enbridge_Line_3_Full_ReplacementField_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MNTH2\Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-40**

**Enbridge
Desktop Environmental
Features**

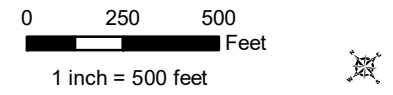
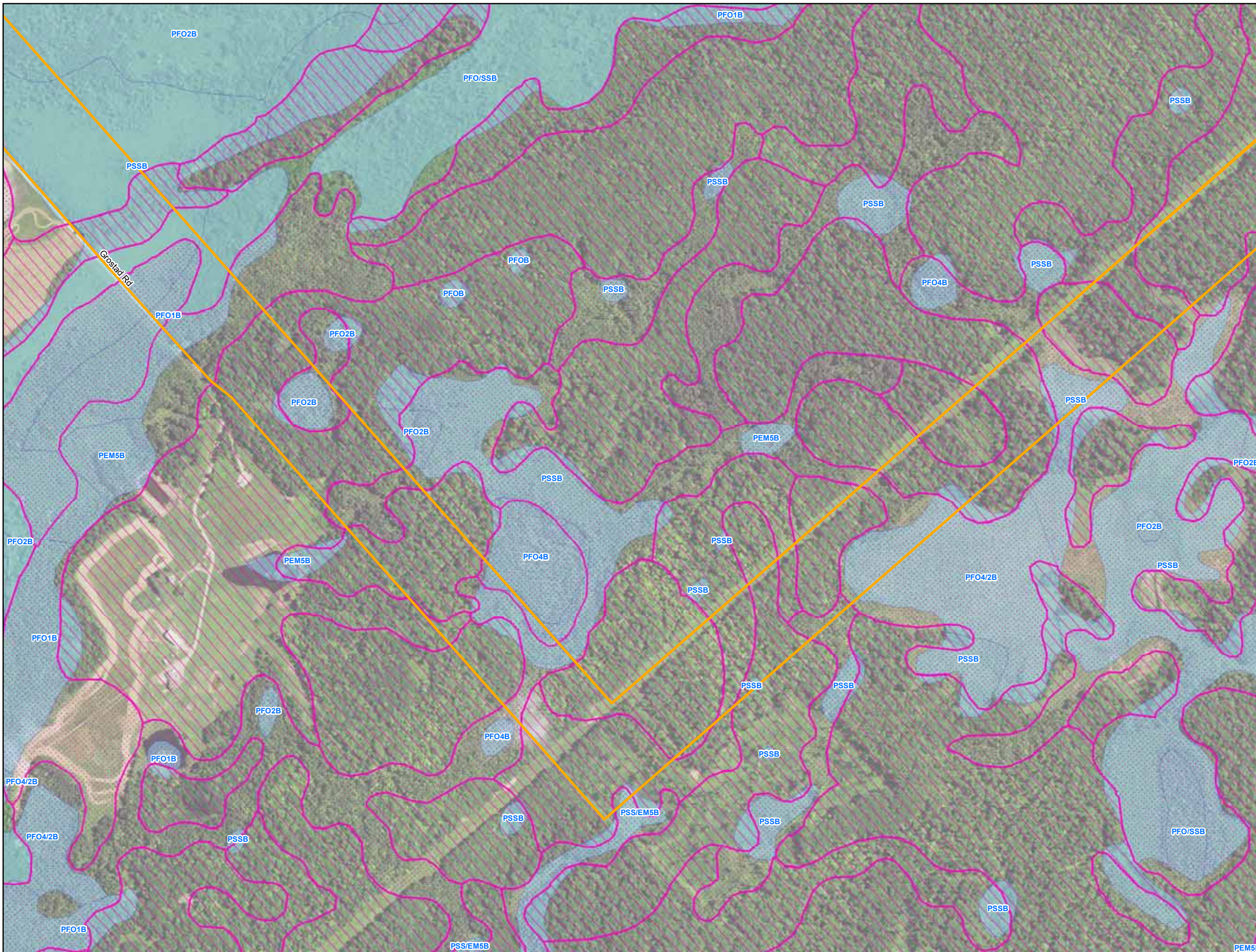
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\01\13\LR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-41

Enbridge

Desktop Environmental Features

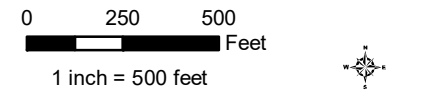
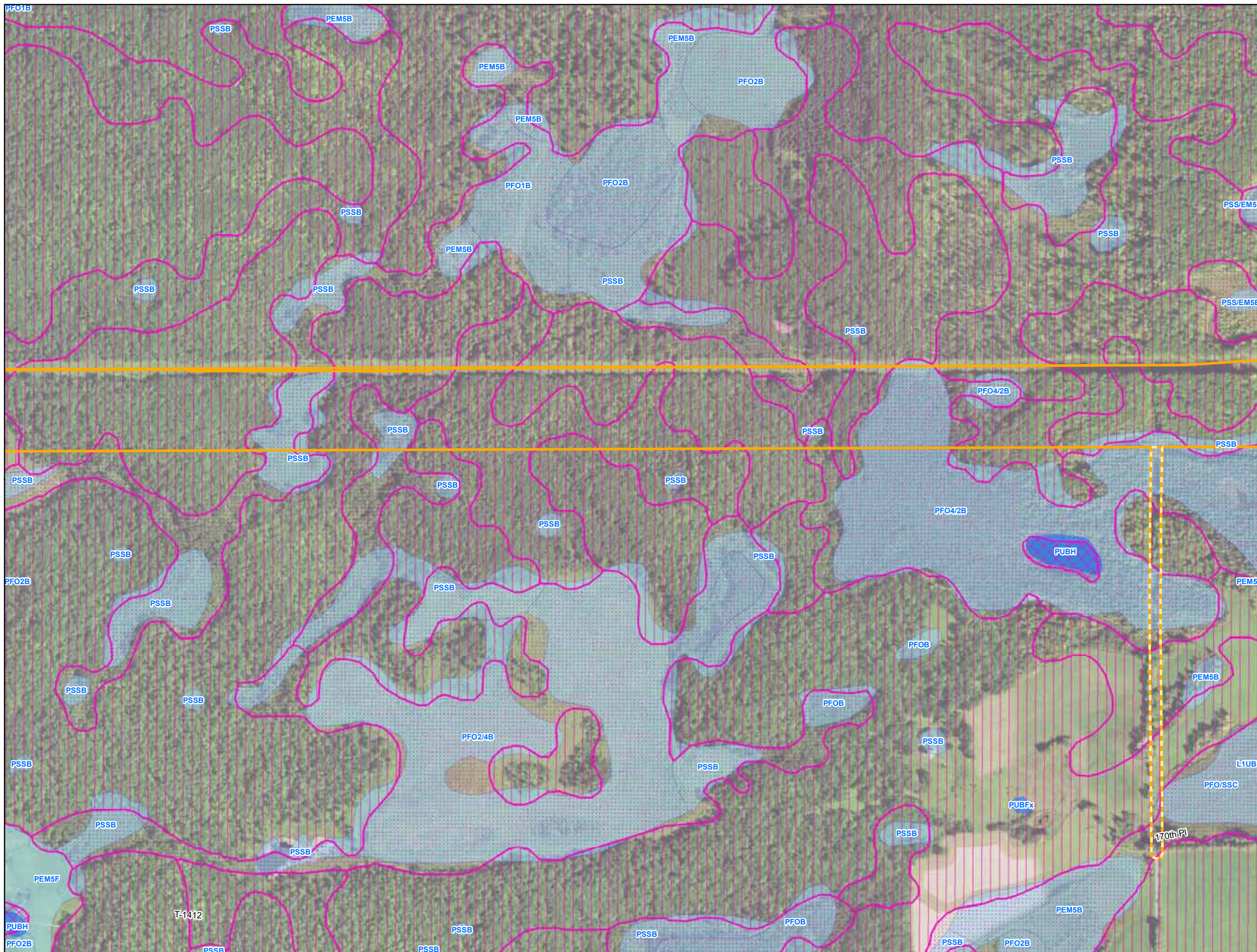
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\WMT\CSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-42**

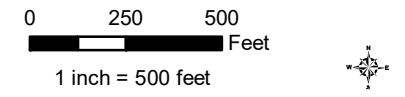
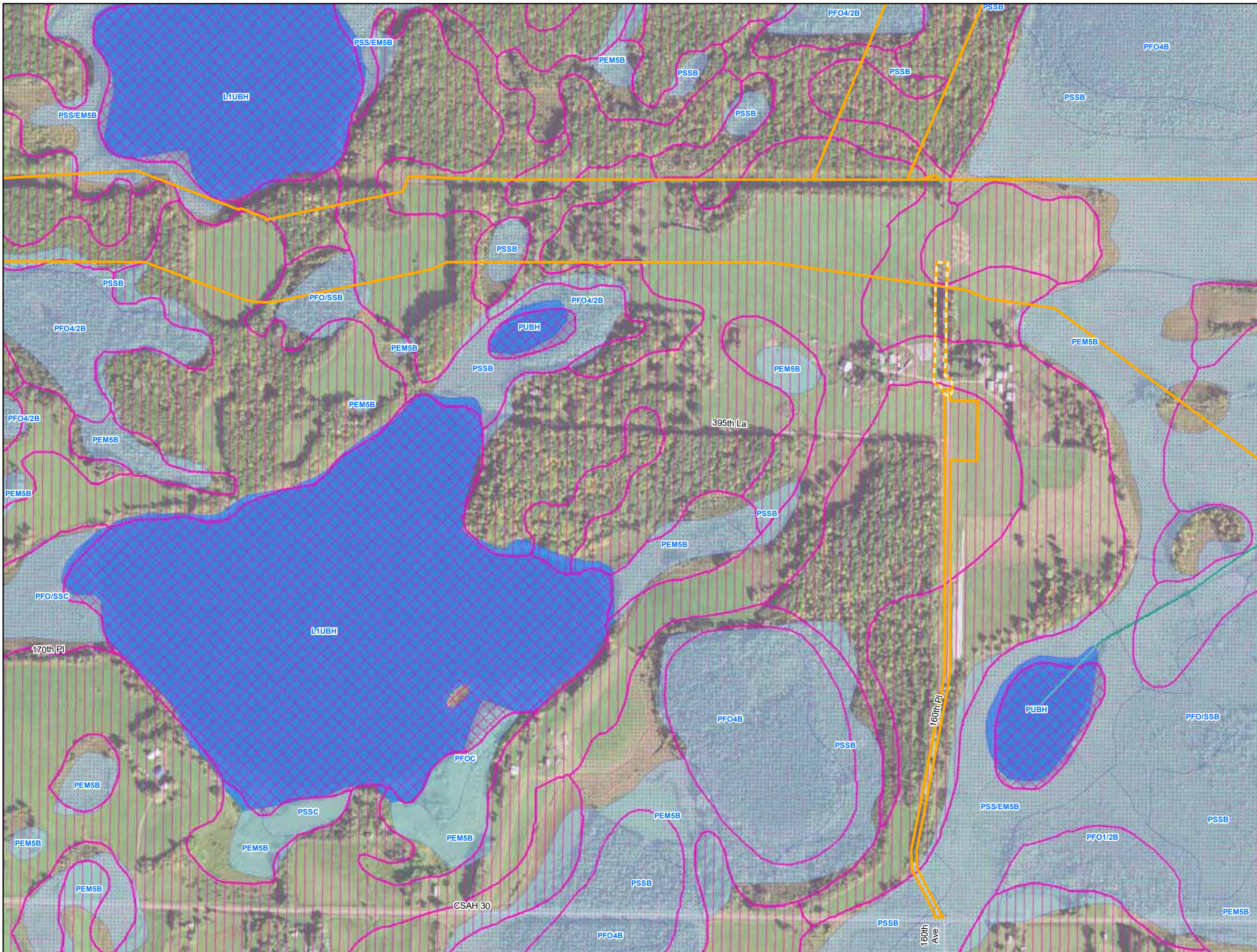
**Enbridge
Desktop Environmental
Features
Aitkin County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MIN\TCSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)**
- Perennial Stream
- Intermittent Stream
- Canal/Ditch
- Waterbody
- Hydric Soils - (SSURGO)**
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)

Appendix C Exhibit C 11-43

Enbridge

**Desktop Environmental
Features**

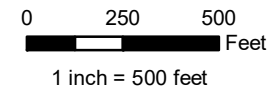
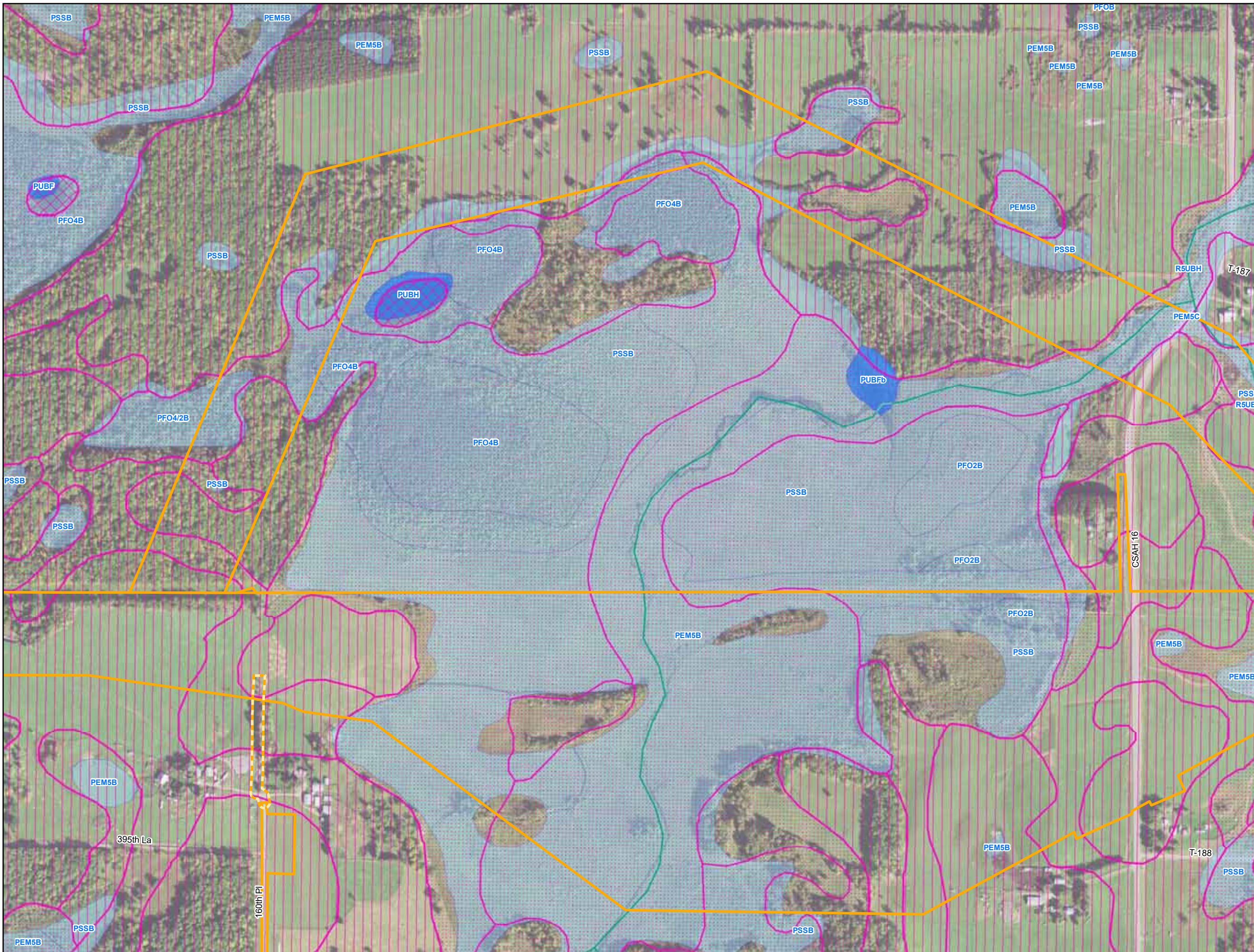
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Source: Z:\Client\IE_FIE\enbridge\Line_3_Full_ReplacementField_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310M\N113LR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-44**

Enbridge

**Desktop Environmental
Features**

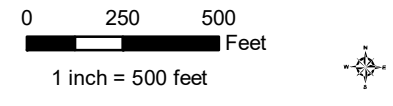
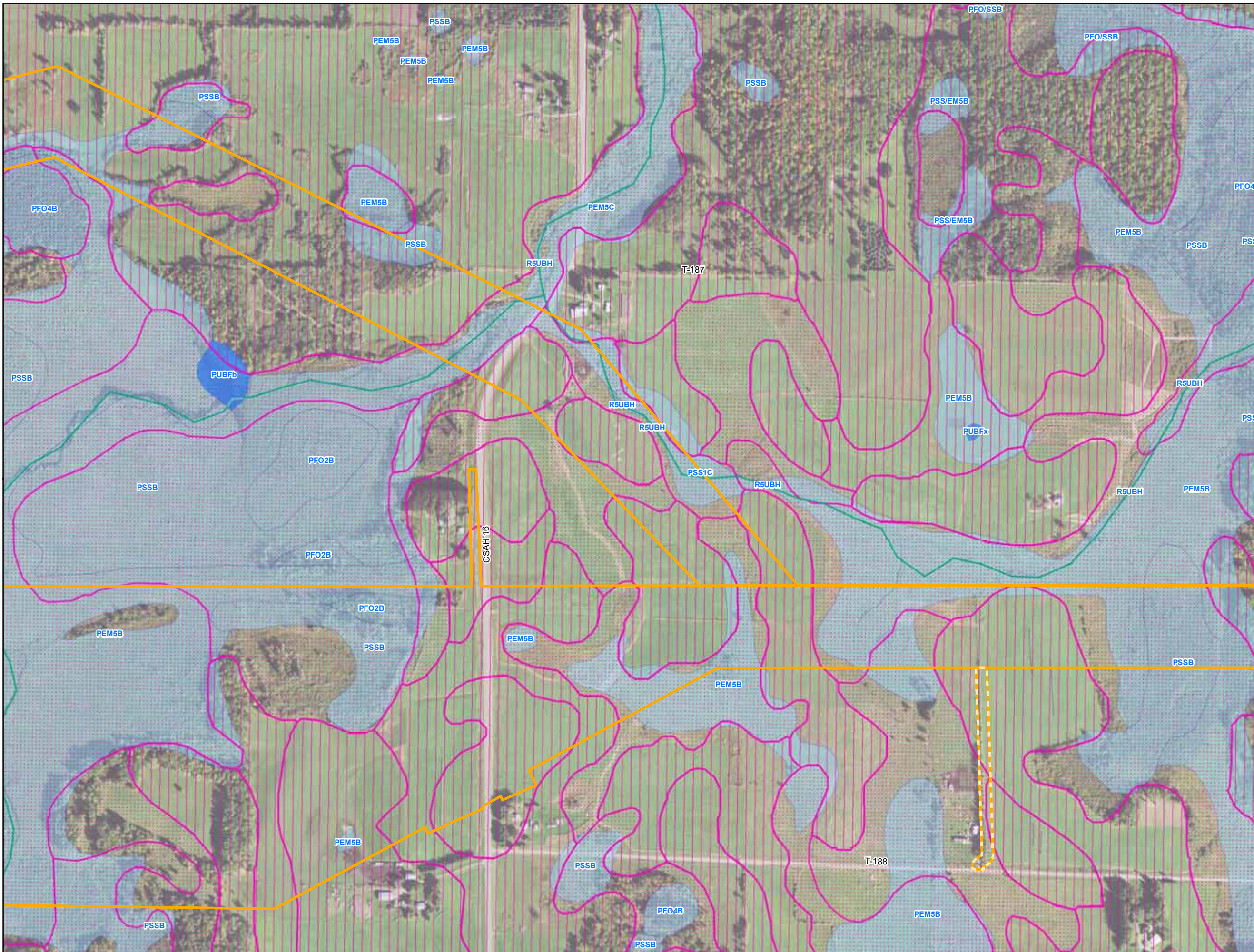
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FHE\EnbridgeLine_3_Full_ReplacementField_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MT\CSA\Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-45**

Enbridge

**Desktop Environmental
Features**

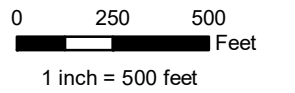
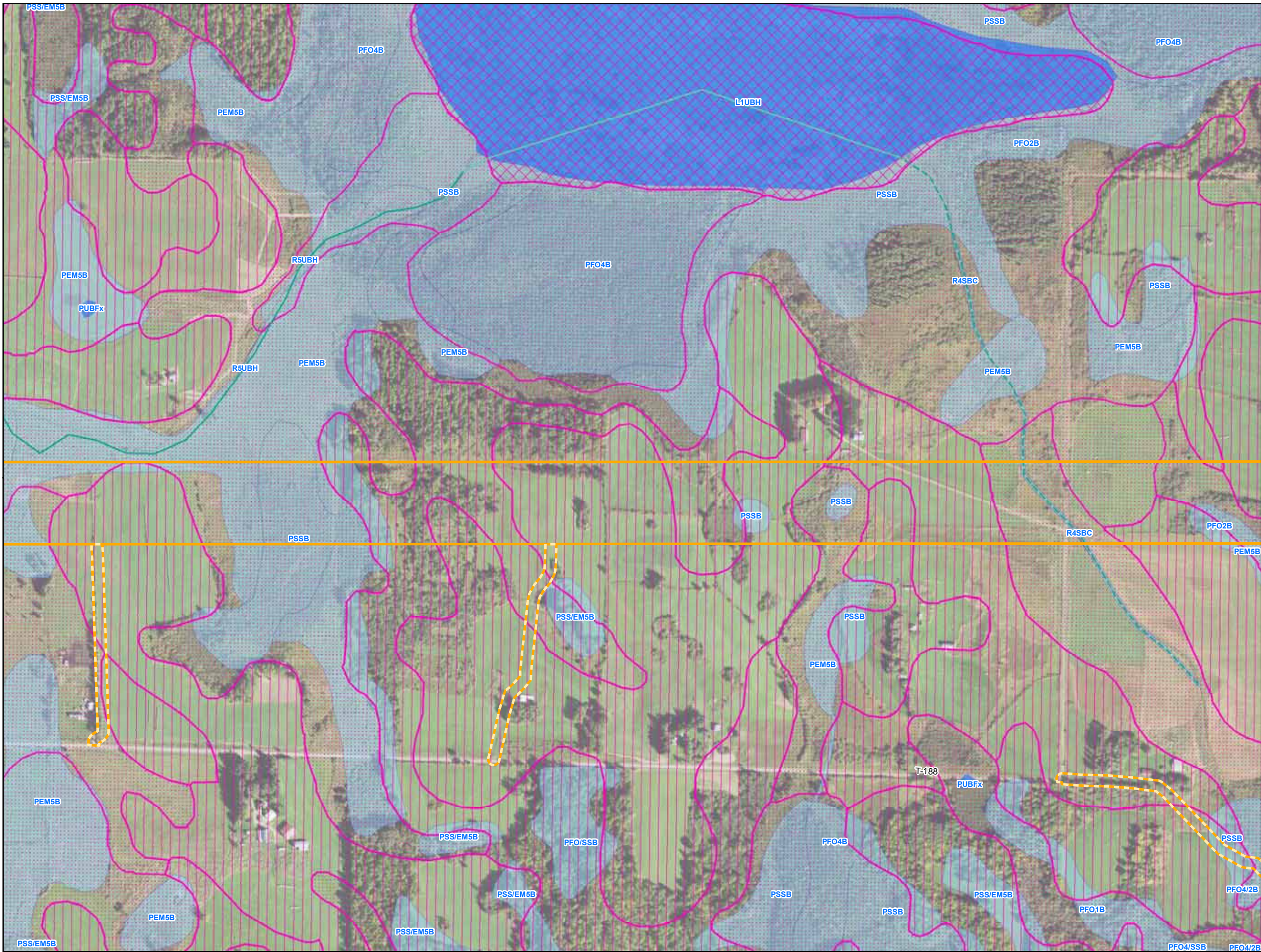
Aitkin County, Minnesota















September 2018

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Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge\Line_3_Full_Replacement\field_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MT\CSA\Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-46

Enbridge

Desktop Environmental Features

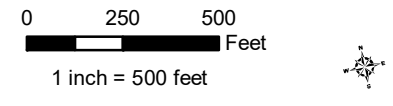
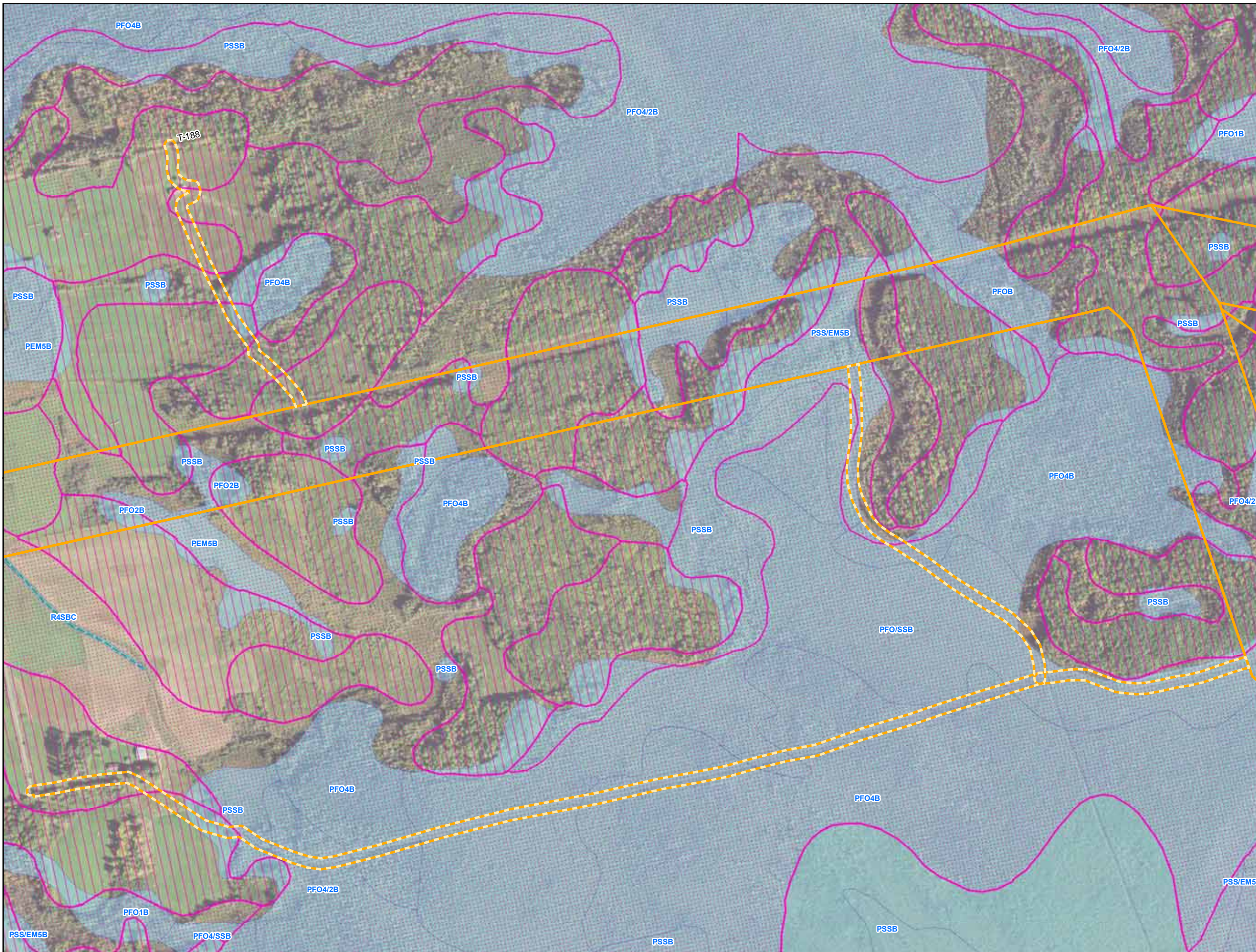
Aitkin County, Minnesota















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Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\Line_3_Full_Replacement\Wetland_Data\Wetland\Wetland\Waterbody\Wetland\Waterbody_20180631\Wetland\Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-47**

Enbridge

**Desktop Environmental
Features**

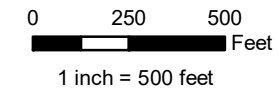
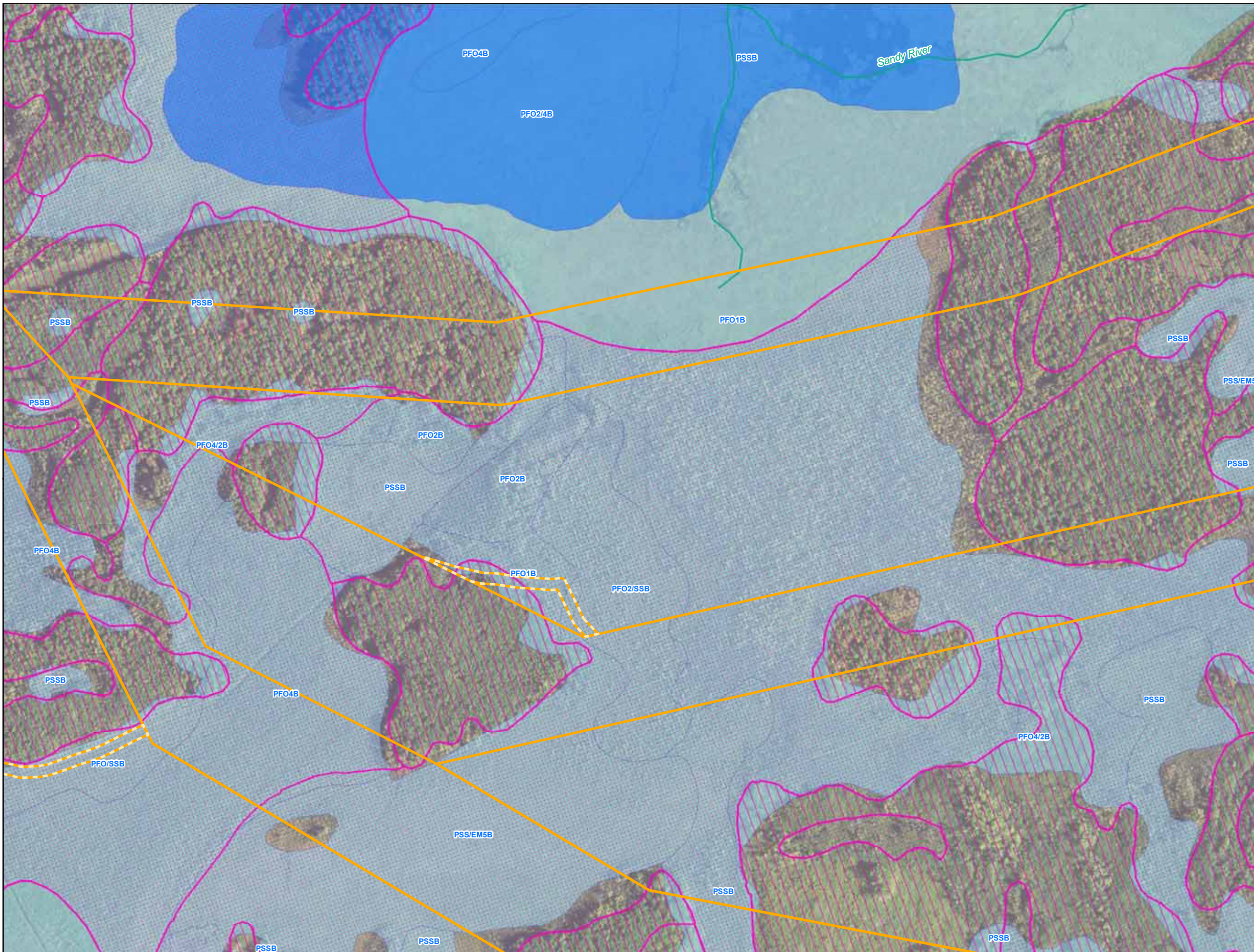
Aitkin County, Minnesota















September 2018

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Source: (9/20/2018) Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\MapData\Wetland\Waterbody\Reports\Wetland_Waterbody_2018060310MNT\CSR_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-48

Enbridge

**Desktop Environmental
Features**

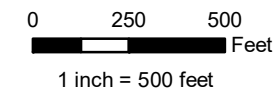
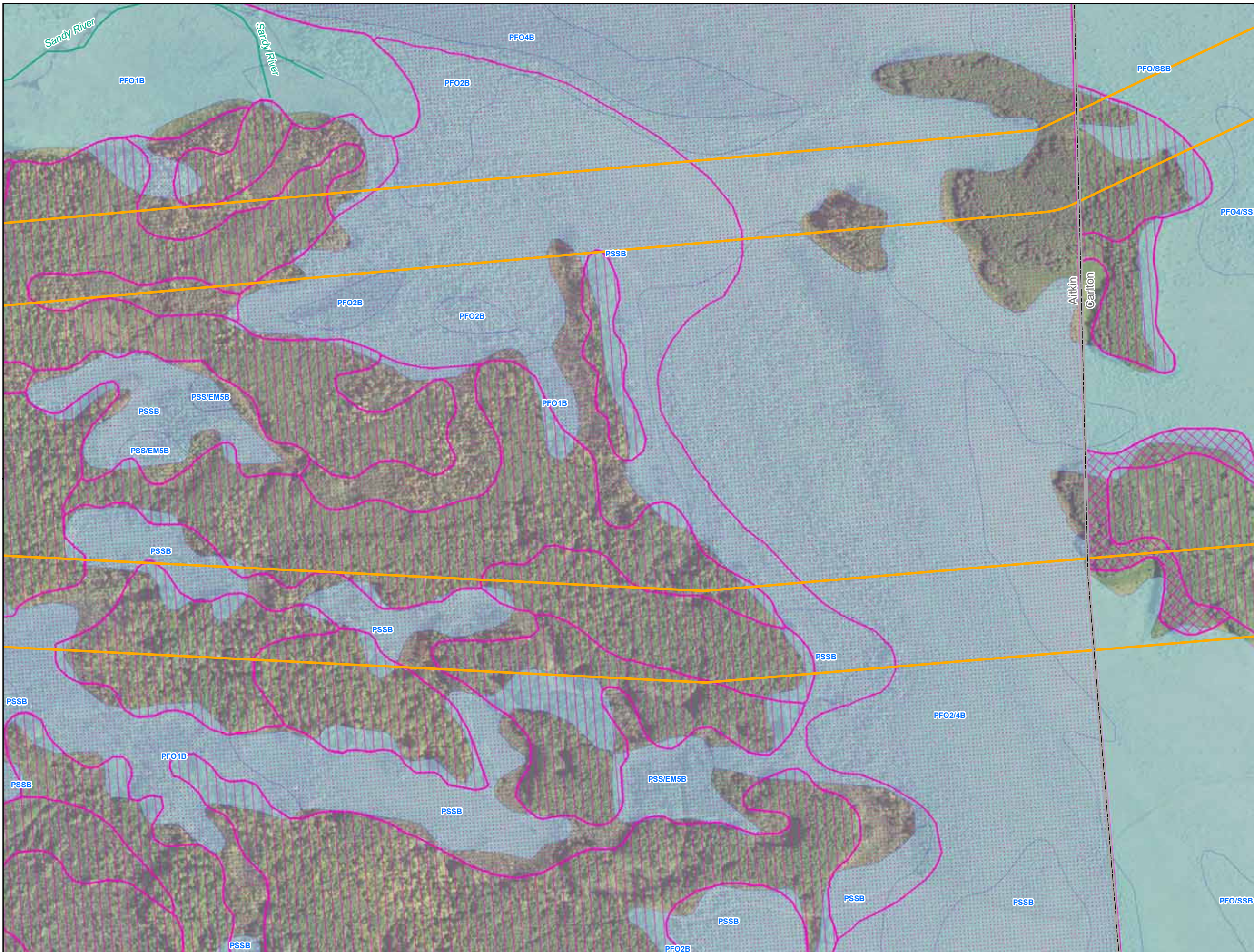
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MT\LSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-49

Enbridge
**Desktop Environmental
Features**

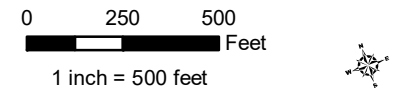
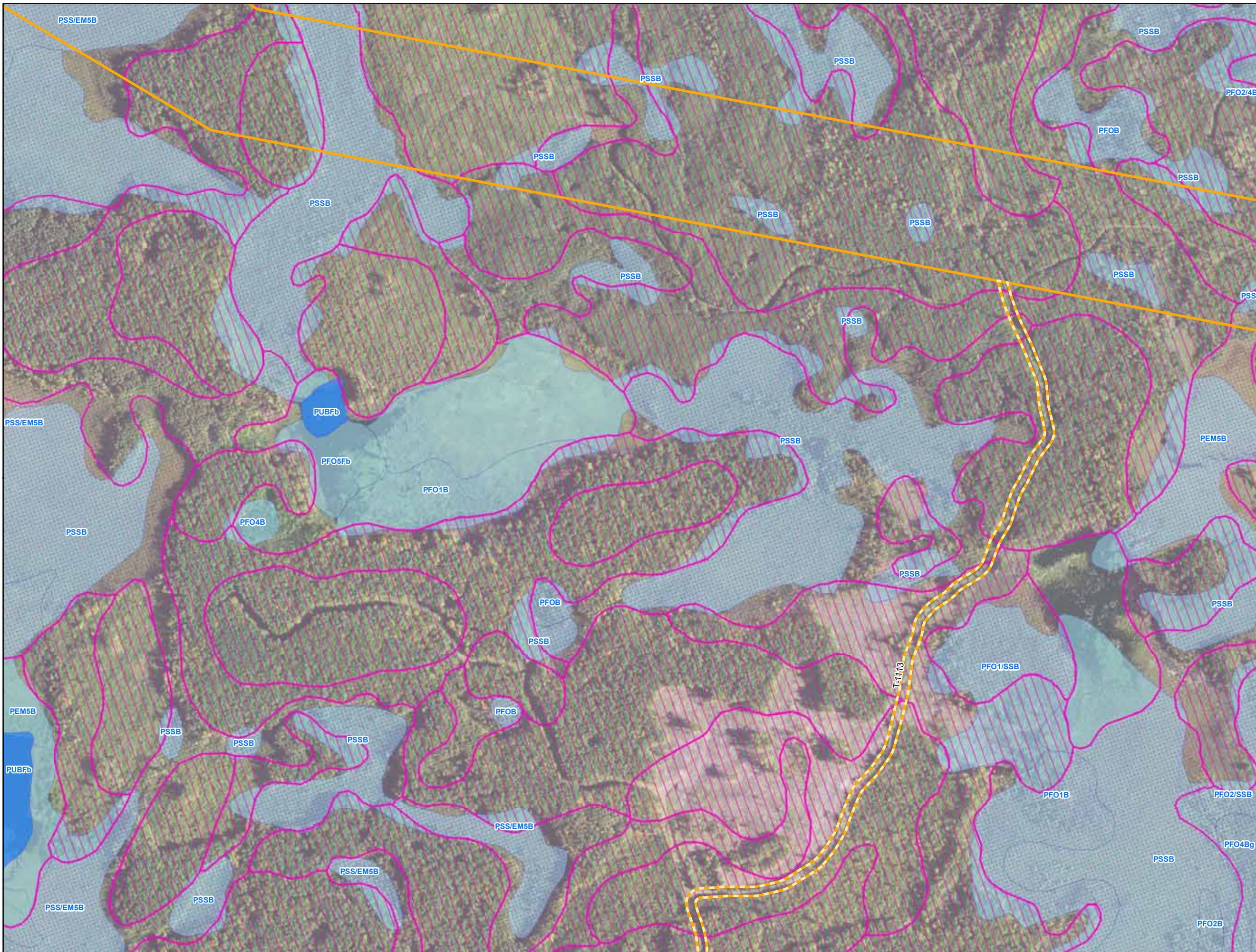
Aitkin County, Minnesota















September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge_Line_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MT\CSR_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-50

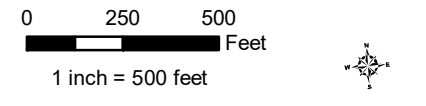
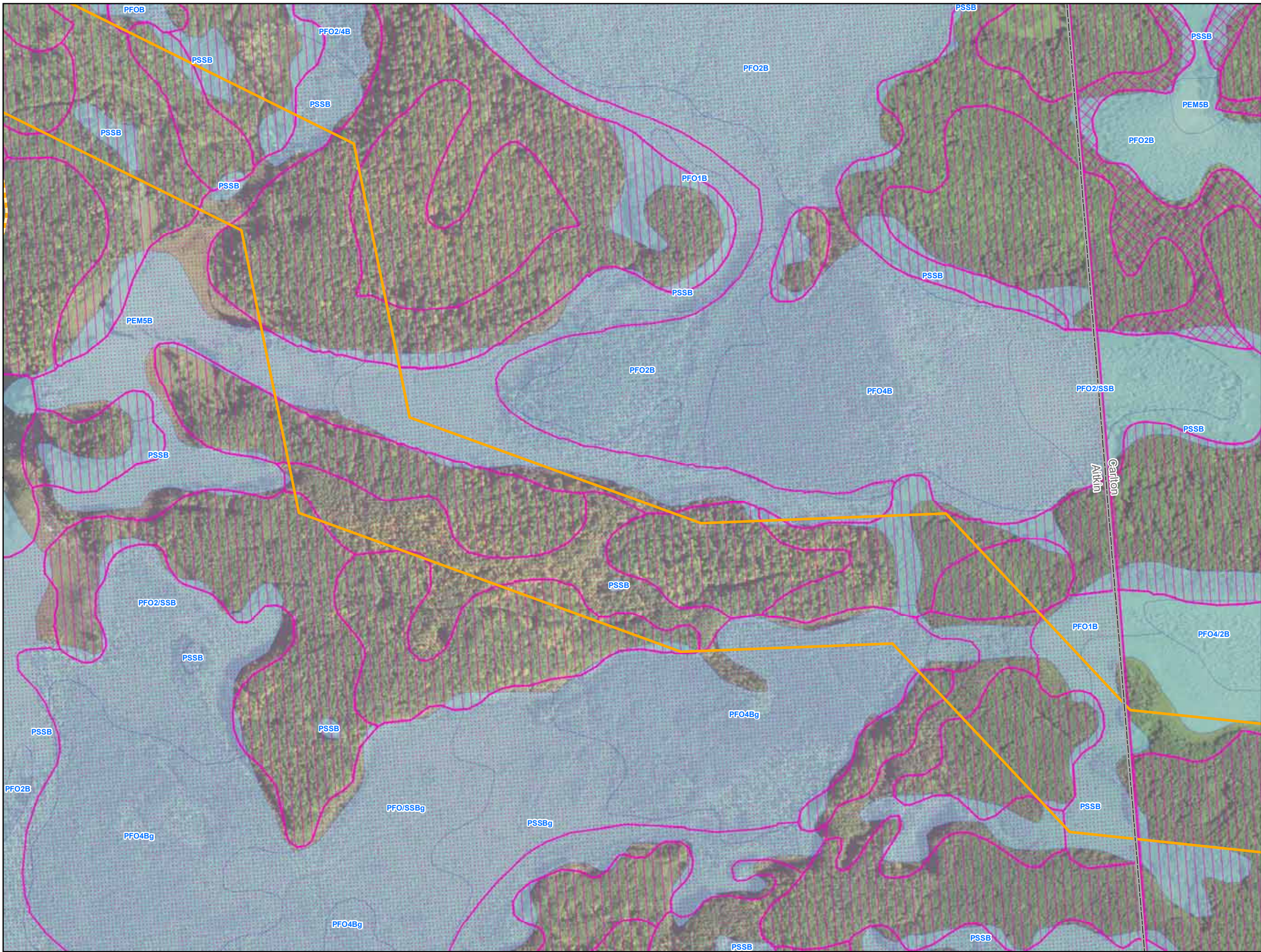
Enbridge
**Desktop Environmental
Features**
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MT\LSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-51

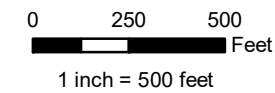
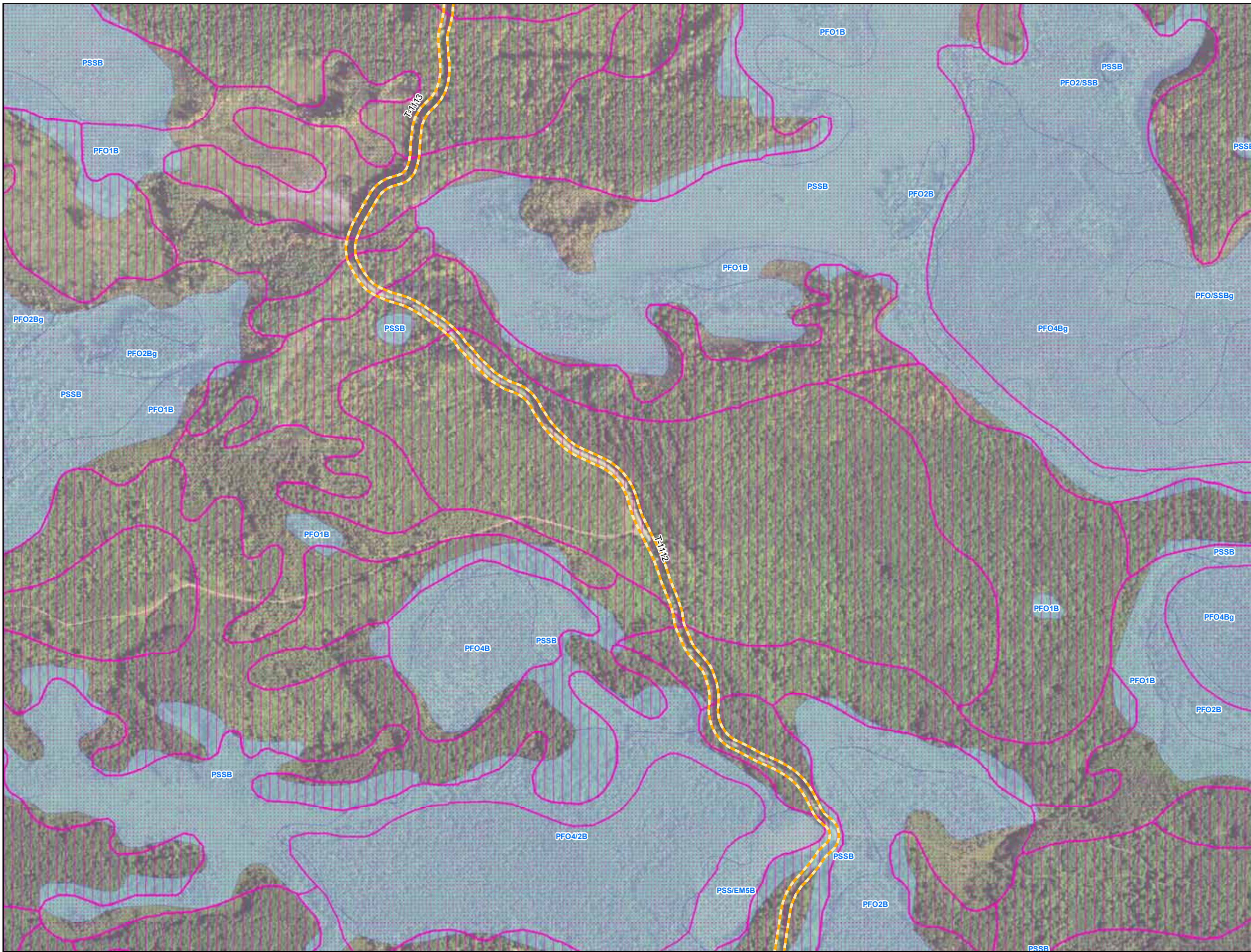
Enbridge
Desktop Environmental
Features
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\Map_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MT\LSR_Wetland_WB_AppendixC_MN.mxd



- ▬ Environmental Survey Corridor
- ▬ Access Road Survey Corridor
- ~ NWI Wetlands

National Hydrography Dataset (NHD)

- ~ Perennial Stream
- - - Intermittent Stream
- Canal/Ditch
- ~ Waterbody

Hydric Soils - (SSURGO)

- ▨ Hydric (100%)
- ▧ Hydric (66 to 99%)
- ▦ Hydric (33 to 65%)
- ▤ Hydric (1 to 32%)
- ▥ Not Hydric (0%)

Appendix C Exhibit C 11-52

Enbridge

Desktop Environmental Features

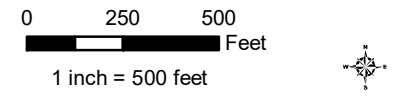
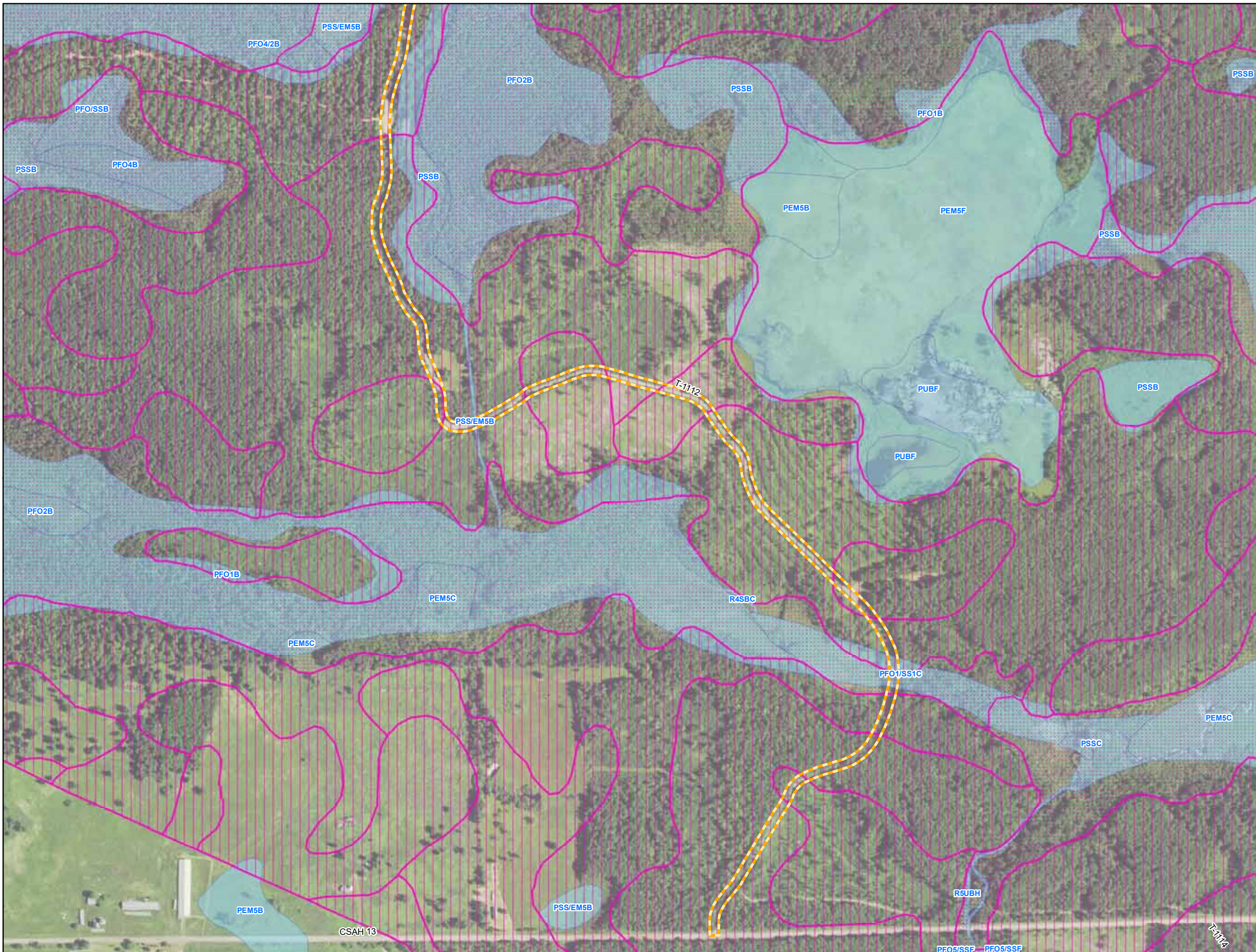
Aitkin County, Minnesota



September 2018

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Date: (9/20/2018) Source: Z:\Client\IE_FIE\Enbridge_Line_3_Full_Replacement\Field_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MTL\CSR_Wetland_WB_AppendixC_MN.mxd



- — — — Environmental Survey Corridor
- — — — Access Road Survey Corridor
- [hatched] NWI Wetlands
- National Hydrography Dataset (NHD)
 - [wavy] Perennial Stream
 - [dashed wavy] Intermittent Stream
 - [wavy] Canal/Ditch
 - [solid] Waterbody
- Hydric Soils - (SSURGO)
 - [cross-hatch] Hydric (100%)
 - [vertical lines] Hydric (66 to 99%)
 - [horizontal lines] Hydric (33 to 65%)
 - [diagonal lines] Hydric (1 to 32%)
 - [solid] Not Hydric (0%)

Appendix C Exhibit C 11-53

Enbridge

Desktop Environmental Features

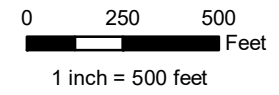
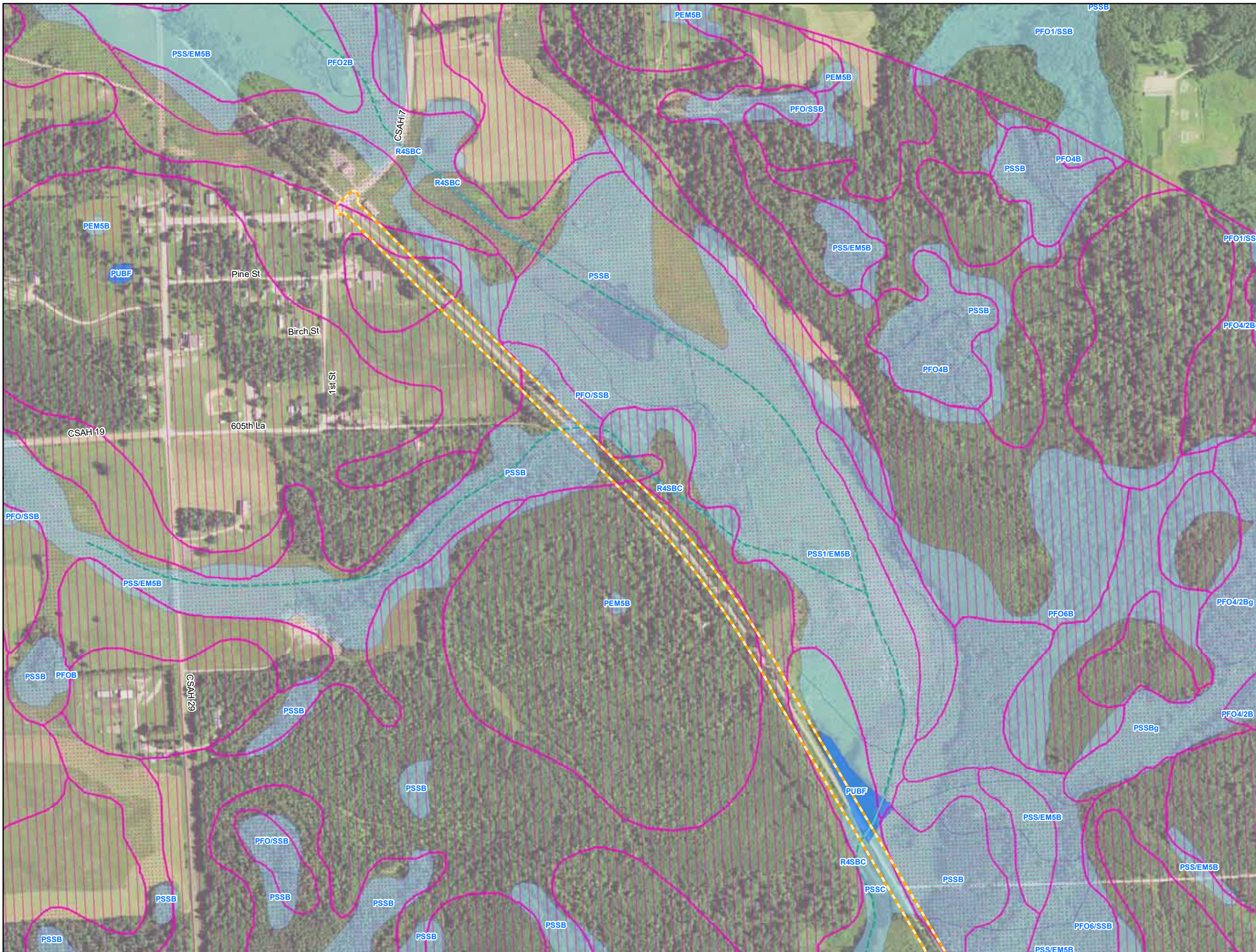
Aitkin County, Minnesota















September 2018

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Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\field_Data\Wetland\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MT\CSA_13\Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydic Soils - (SSURGO)
 -  Hydic (100%)
 -  Hydic (66 to 99%)
 -  Hydic (33 to 65%)
 -  Hydic (1 to 32%)
 -  Not Hydic (0%)

**Appendix C
Exhibit C 11-54**

Enbridge

**Desktop Environmental
Features**

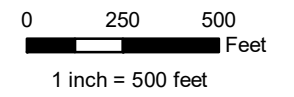
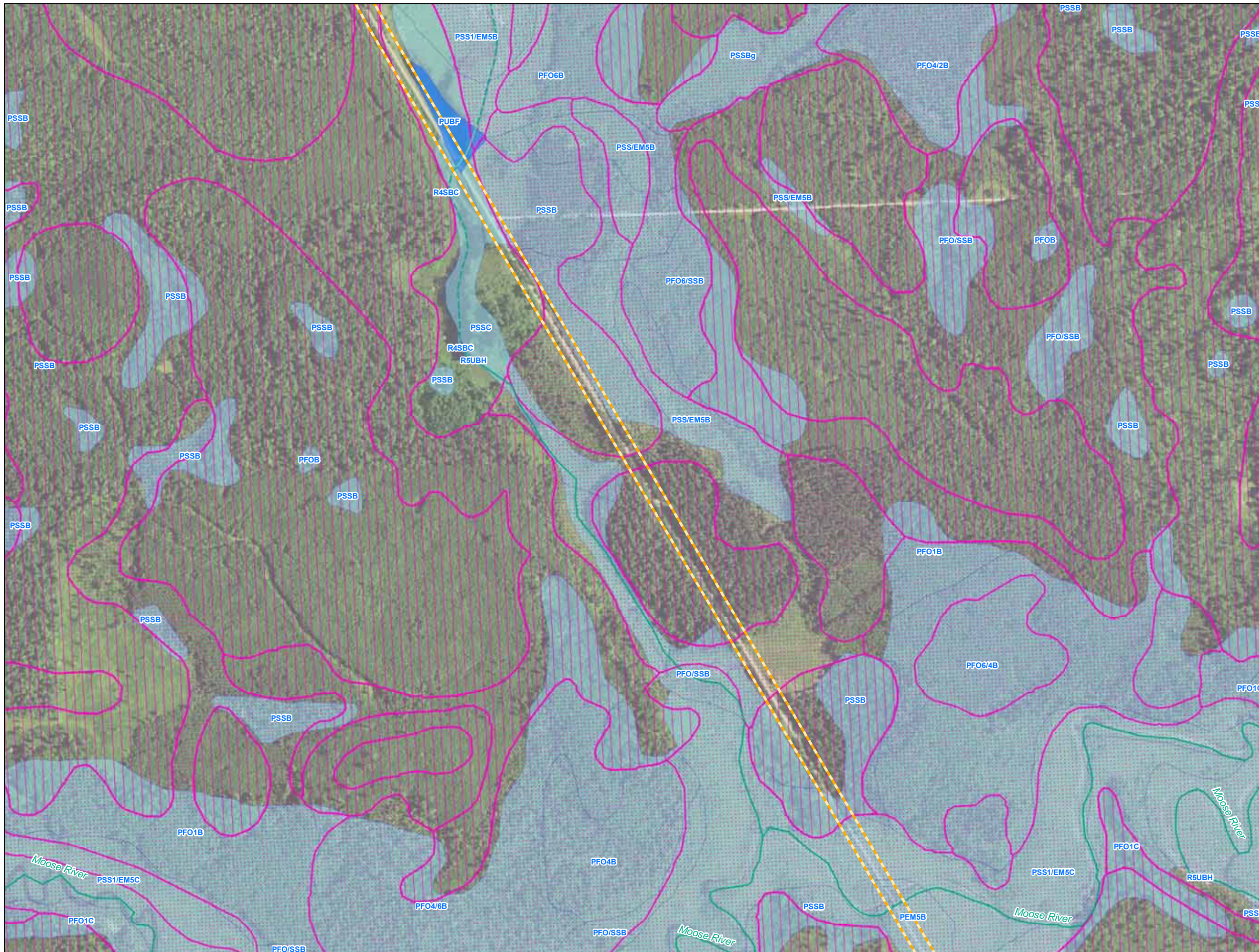
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310MNT\CSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-55

Enbridge
**Desktop Environmental
Features**

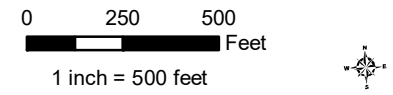
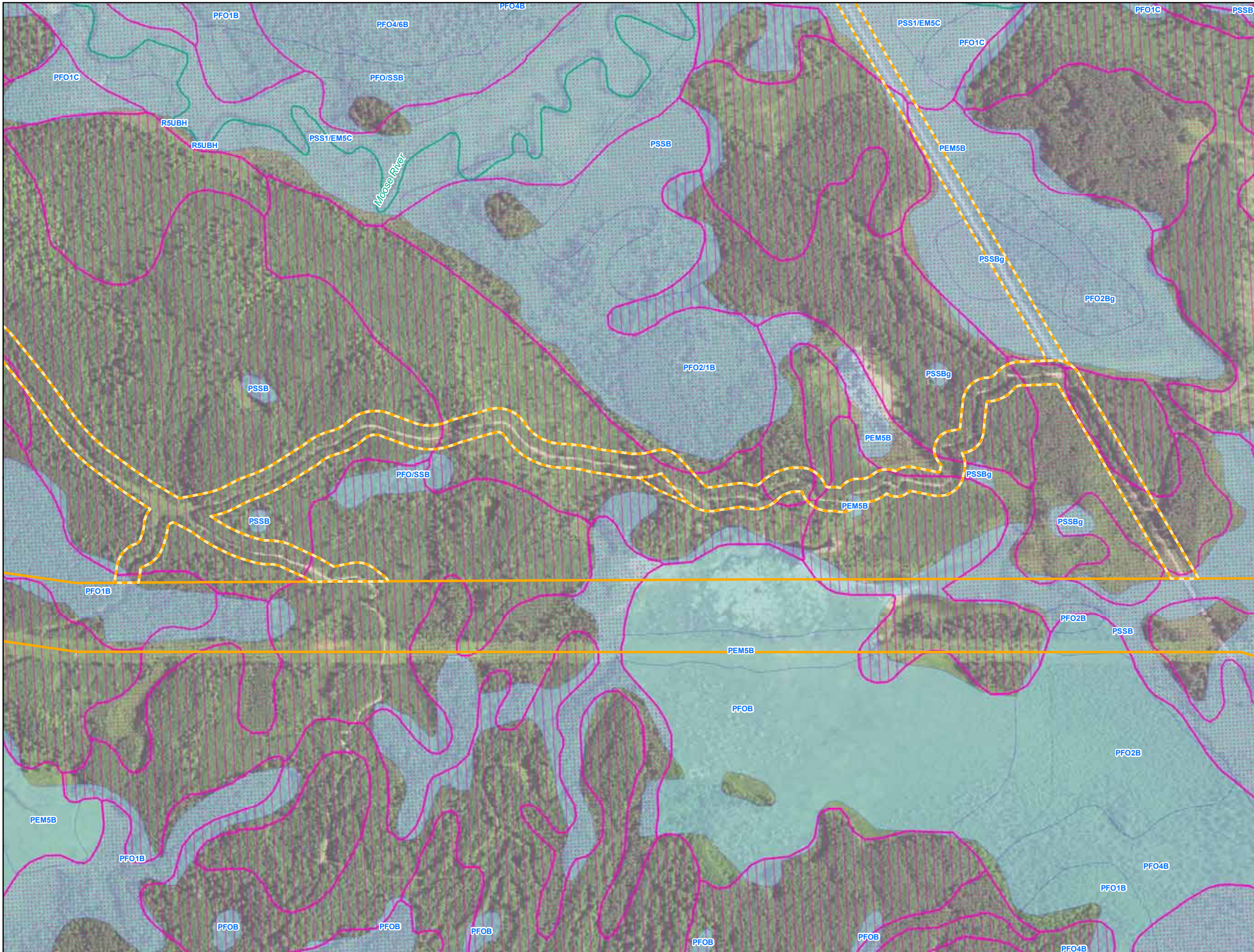
Aitkin County, Minnesota















September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge_Line_3_Full_Replacement\Field_Data\Wetland_WebBody\Reports\Wetland_WebBody_20180921\Wetland_WebBody_20180921\MNT\LSR_Wetland_Web_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-56

Enbridge Desktop Environmental Features

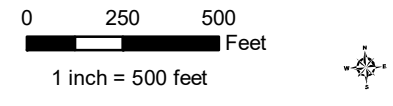
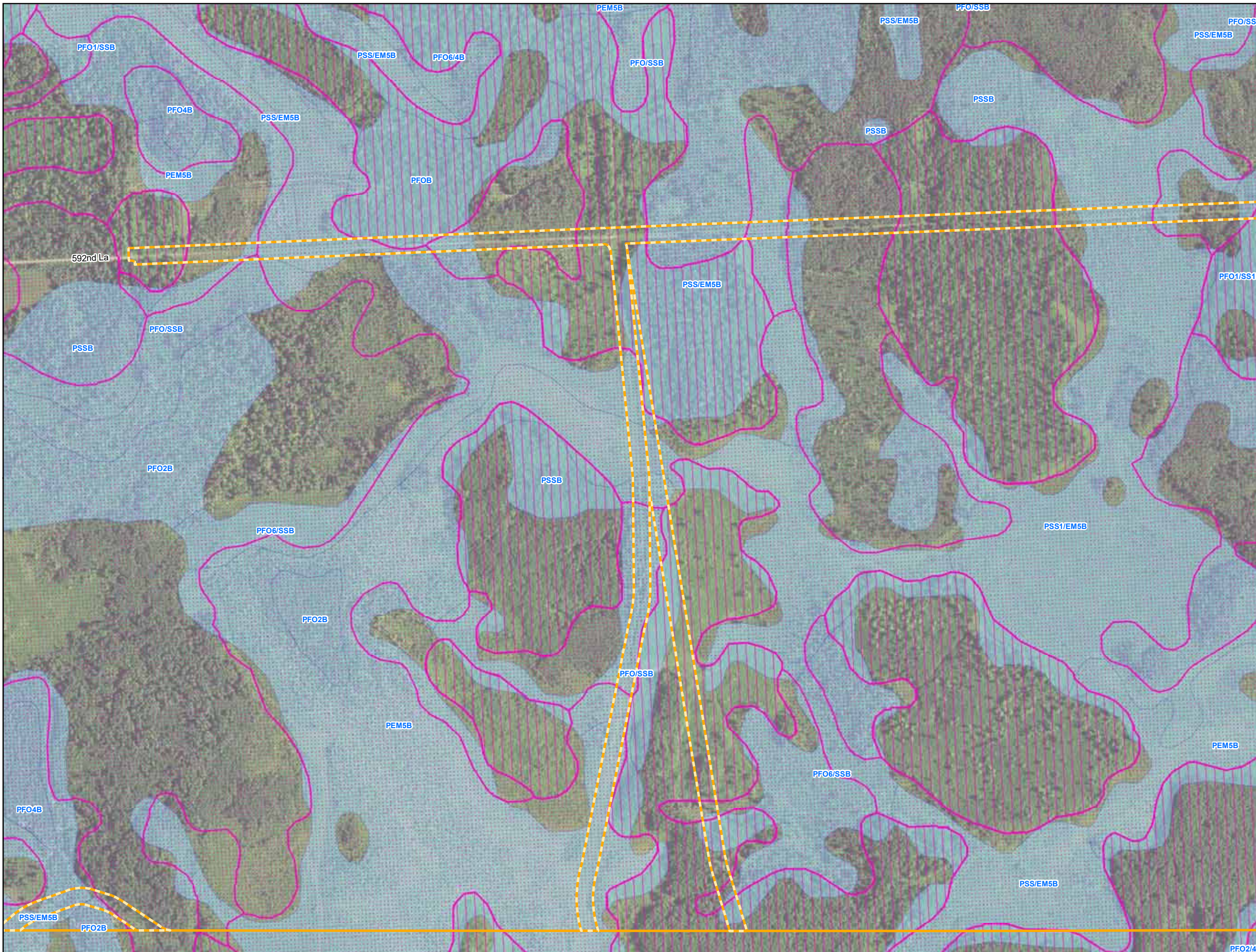
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\FHEID_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MNT\CAR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-59**

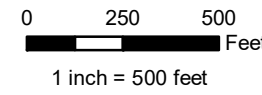
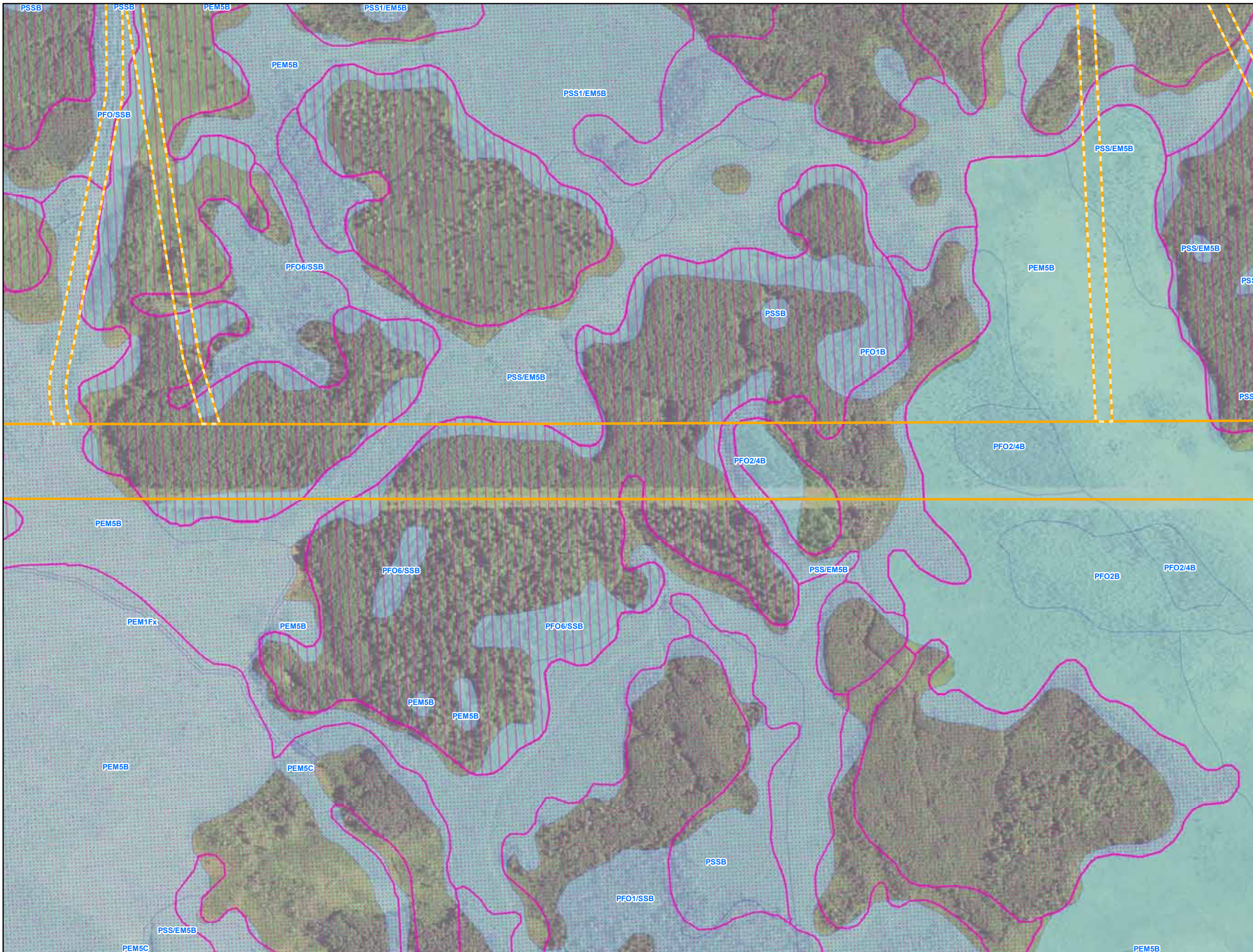
Enbridge
**Desktop Environmental
Features**
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge\Line_3_Full_Replacement\Mid_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-60**

Enbridge

**Desktop Environmental
Features**

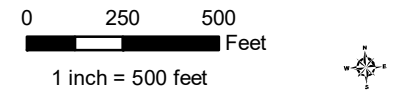
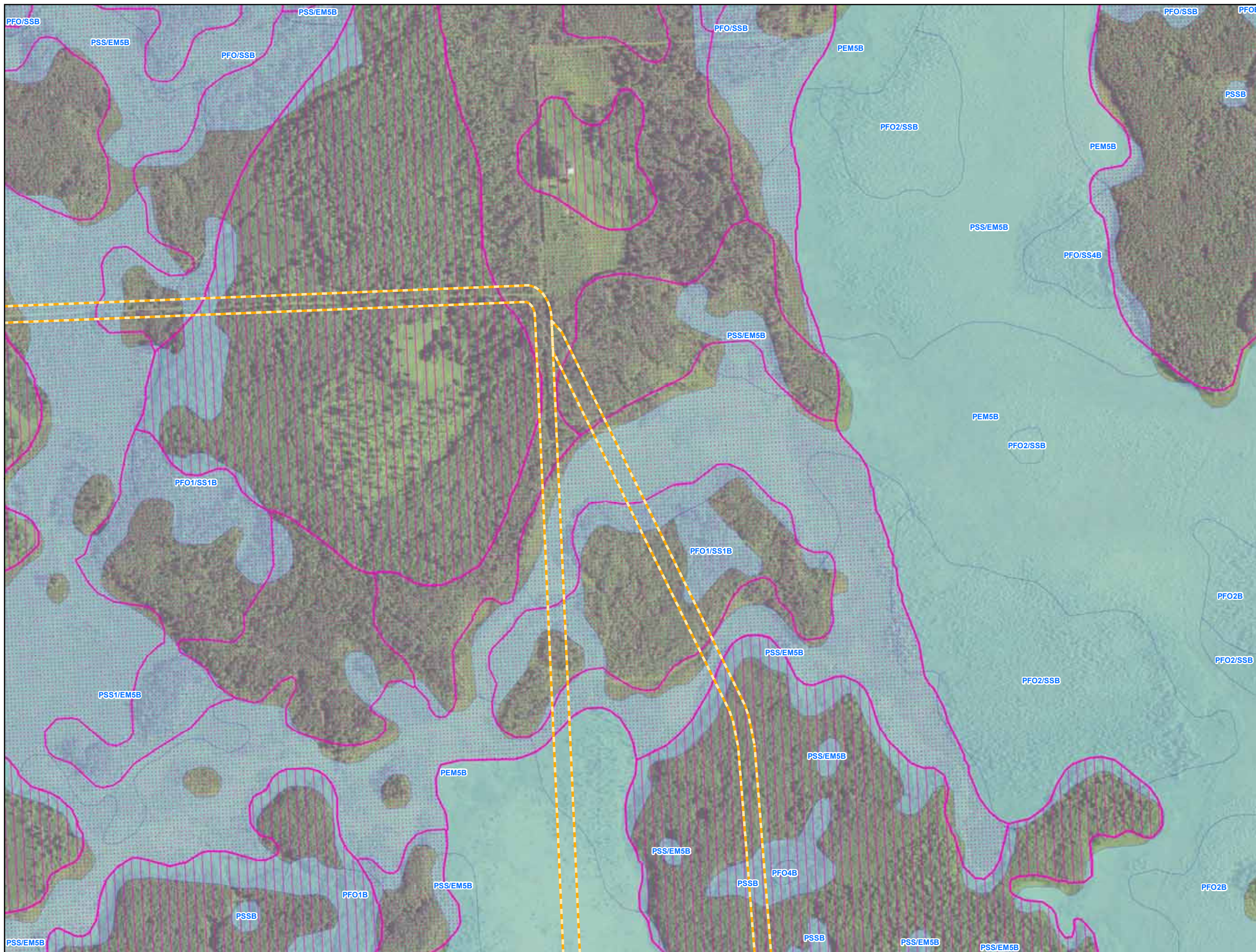
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge_Line_3_Full_Replacement\Wetland_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\Wetland_Waterbody_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-61

Enbridge

**Desktop Environmental
Features**

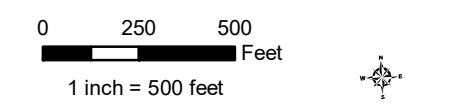
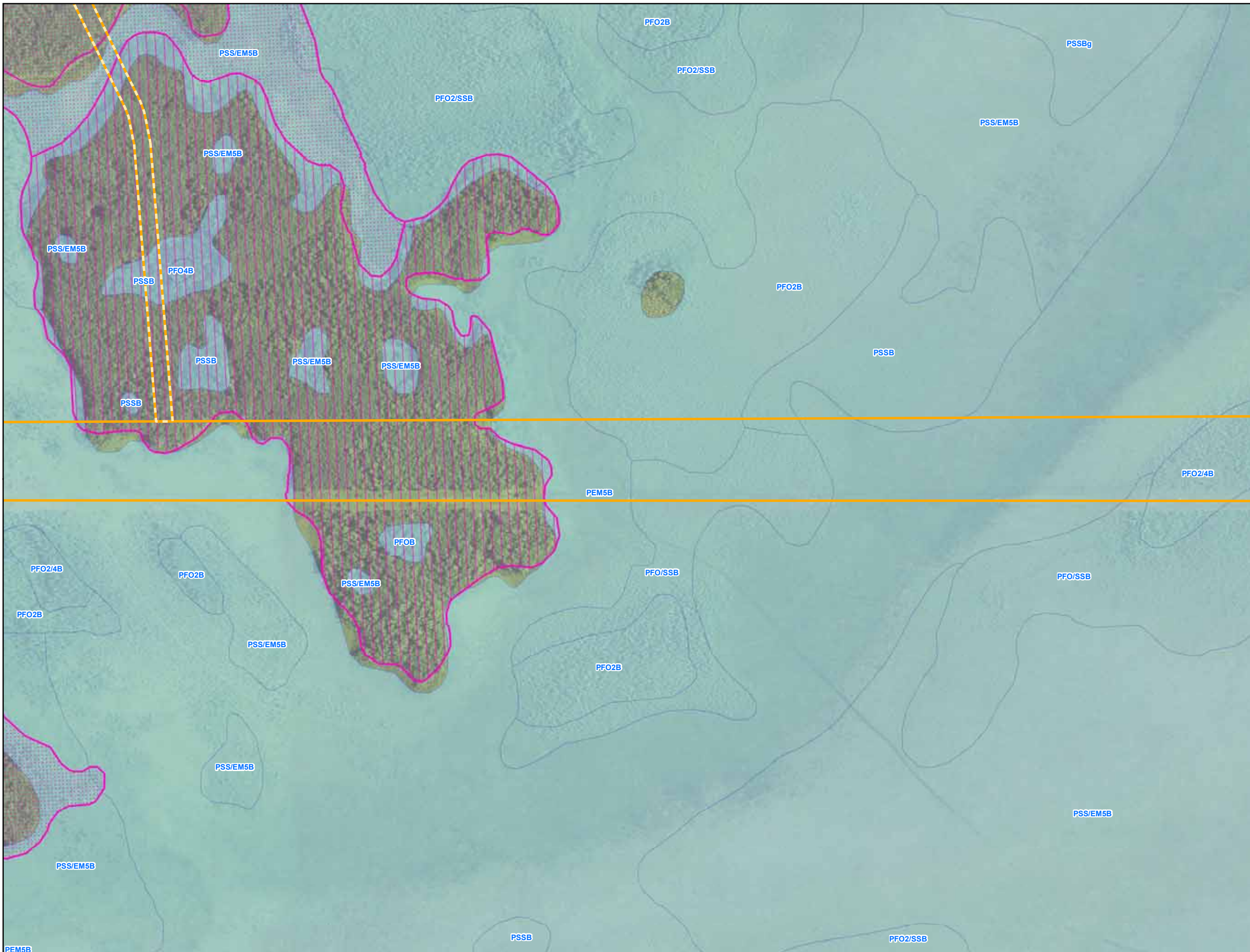
Aitkin County, Minnesota















September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MT\LSR_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-62**

Enbridge

**Desktop Environmental
Features**

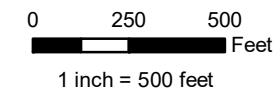
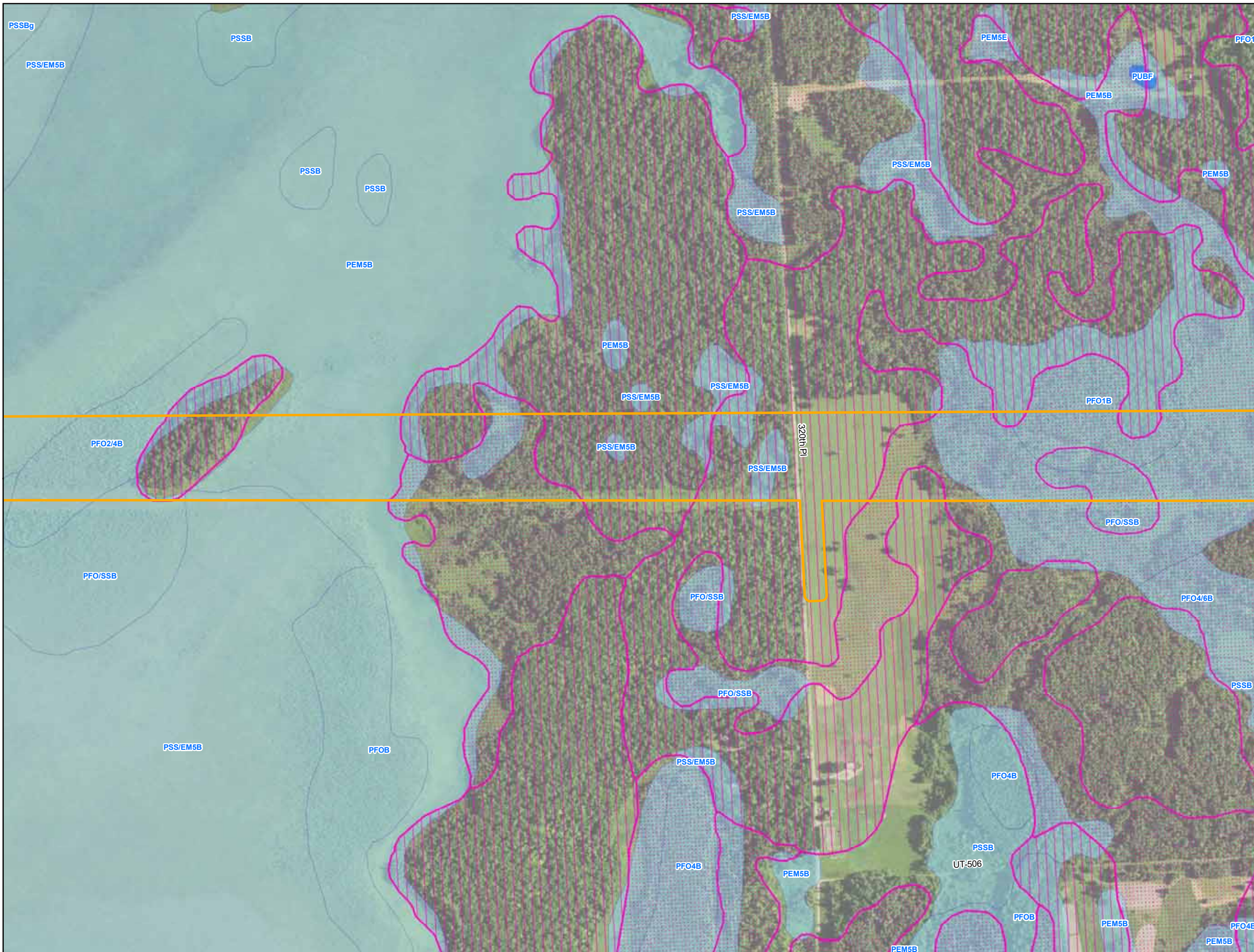
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_H\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MTL3R_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydic Soils - (SSURGO)
 - Hydic (100%)
 - Hydic (66 to 99%)
 - Hydic (33 to 65%)
 - Hydic (1 to 32%)
 - Not Hydic (0%)

Appendix C Exhibit C 11-63

Enbridge

**Desktop Environmental
Features**

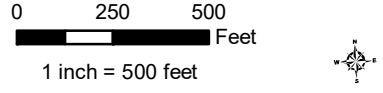
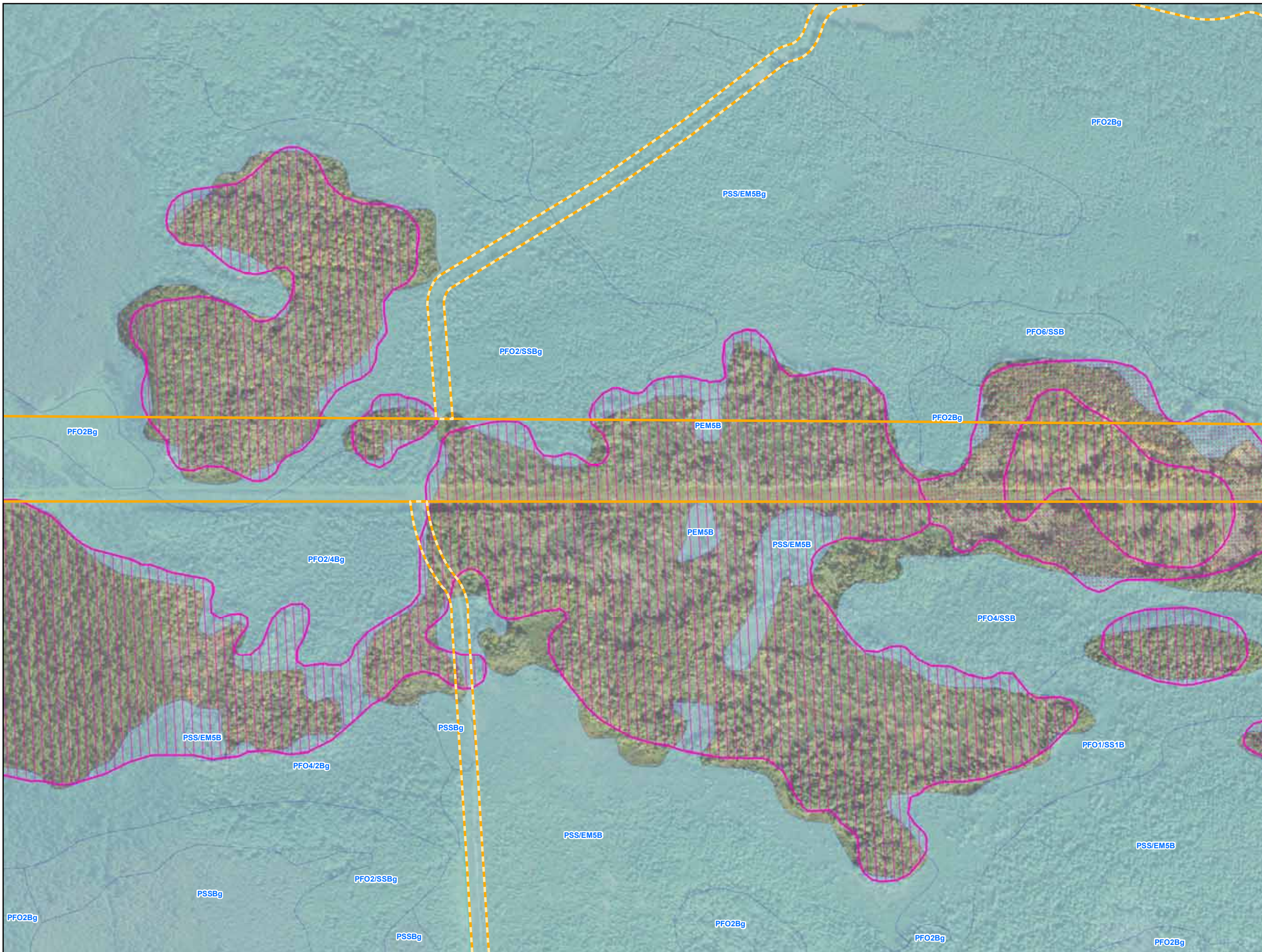
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310MNT\LSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
- Perennial Stream
- Intermittent Stream
- Canal/Ditch
- Waterbody
- Hydric Soils - (SSURGO)
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)

**Appendix C
Exhibit C 11-65**

Enbridge

**Desktop Environmental
Features**

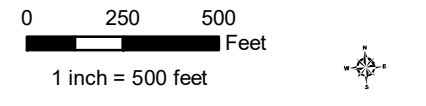
Aitkin County, Minnesota















September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\E_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
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-66**

Enbridge

**Desktop Environmental
Features**

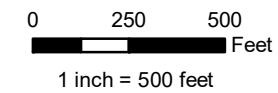
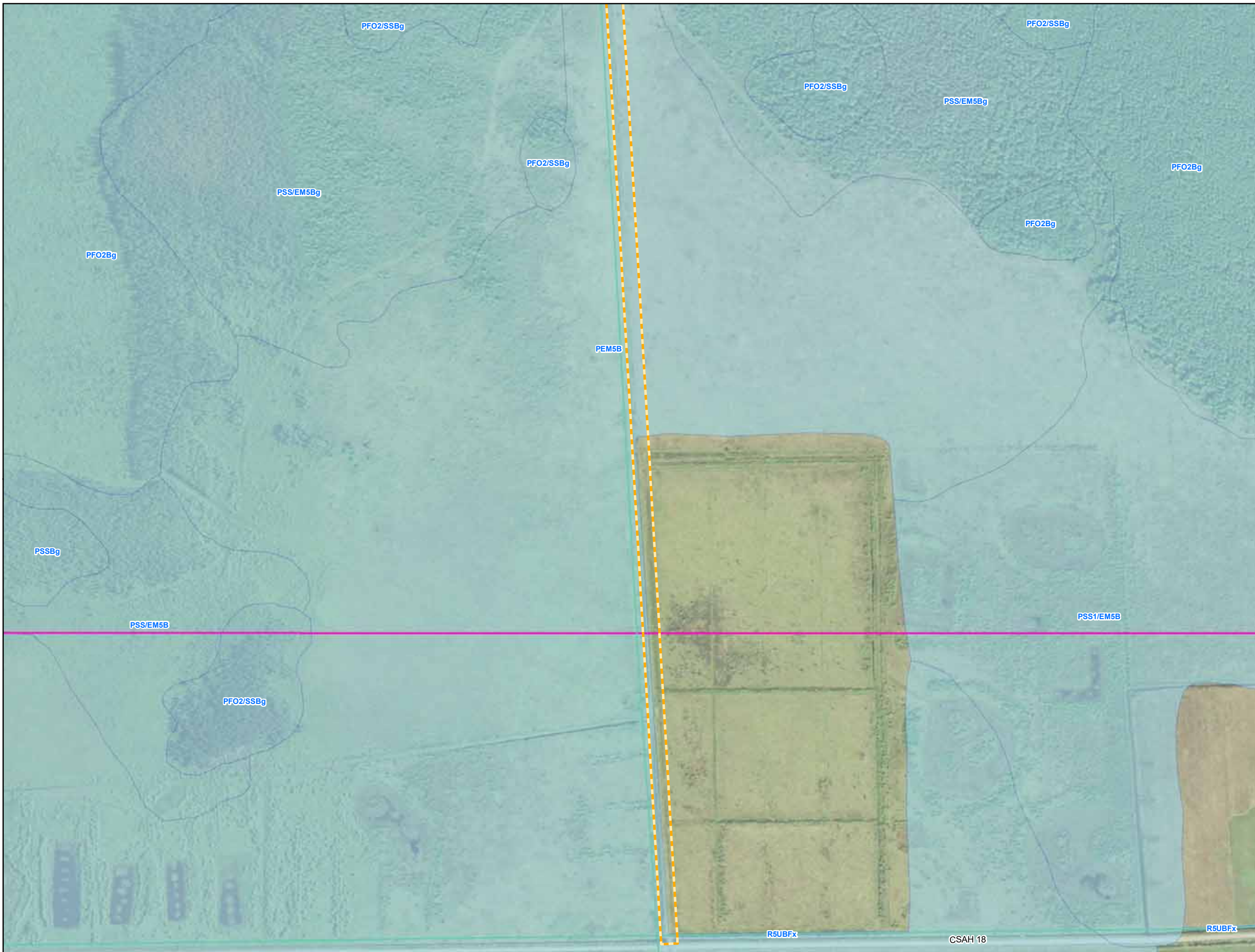
Aitkin County, Minnesota















September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_H\Enbridge\Line_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310M1L3R_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-67

Enbridge

Desktop Environmental Features

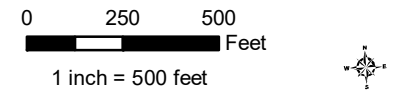
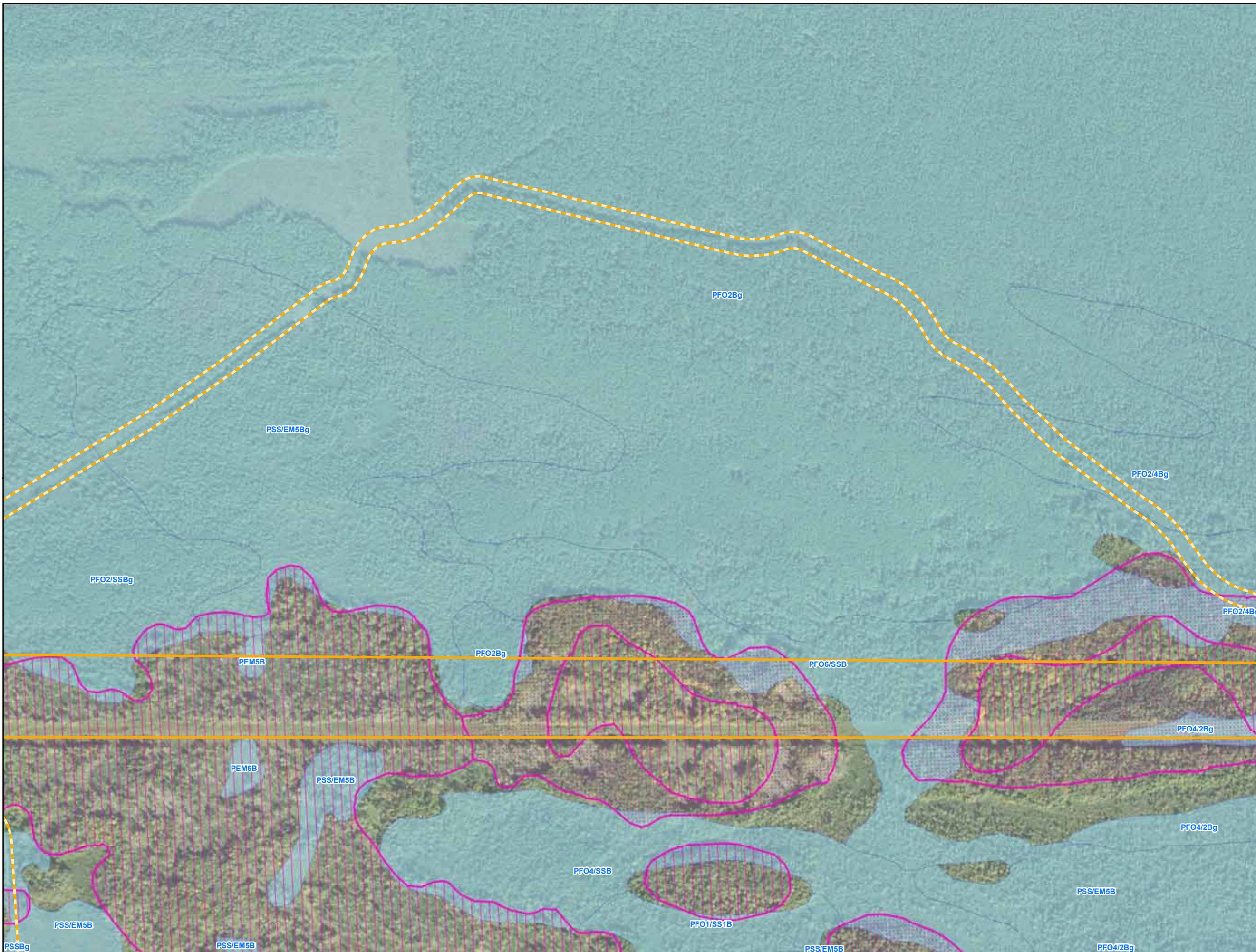
Aitkin County, Minnesota















September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_H\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310MNT\CSA18_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-68

Enbridge

Desktop Environmental Features

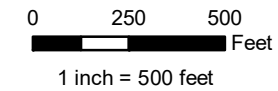
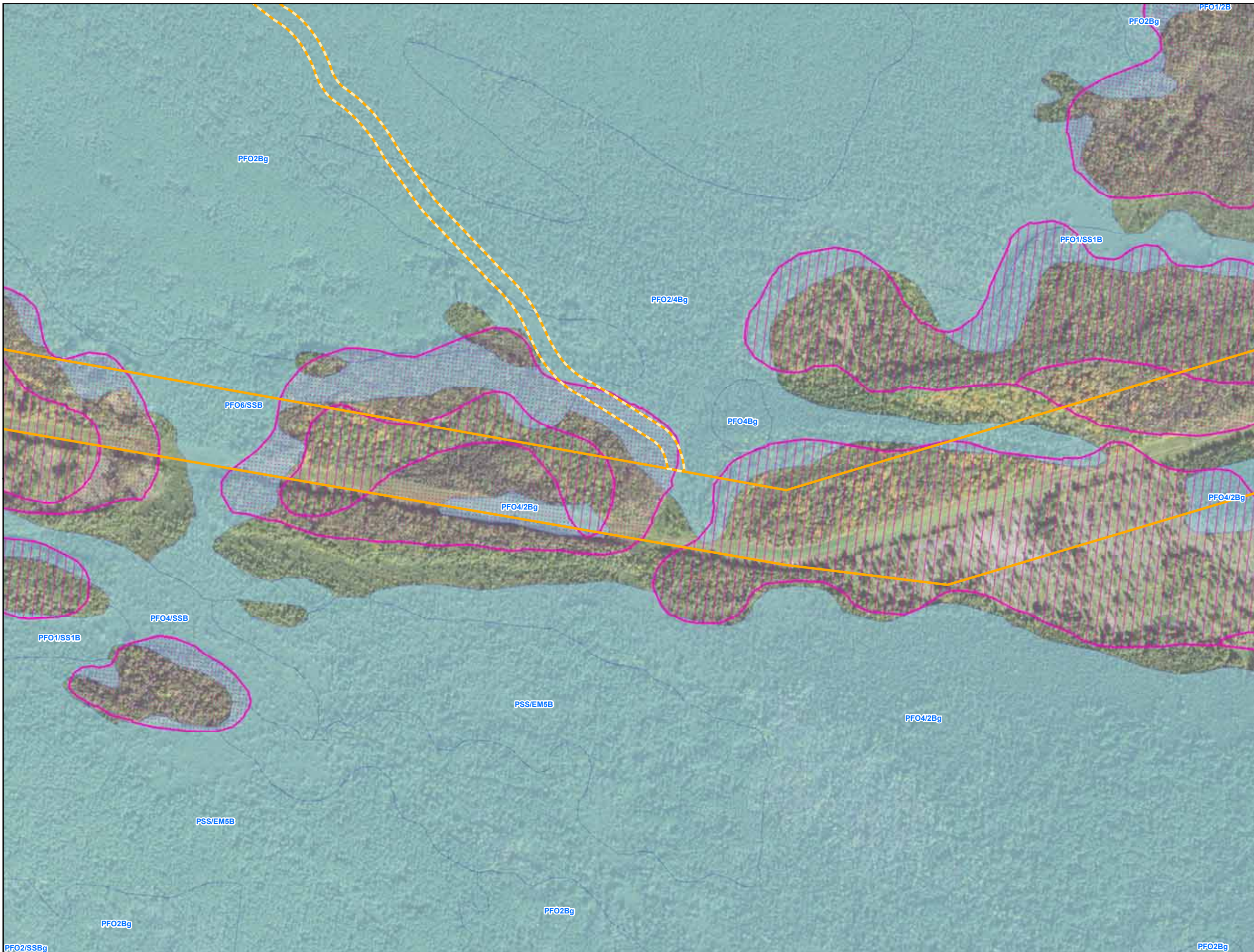
Aitkin County, Minnesota















September 2018

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Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180831\MMT\CSR_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-69

Enbridge

Desktop Environmental Features

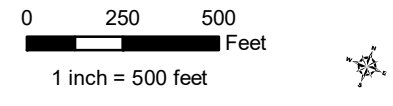
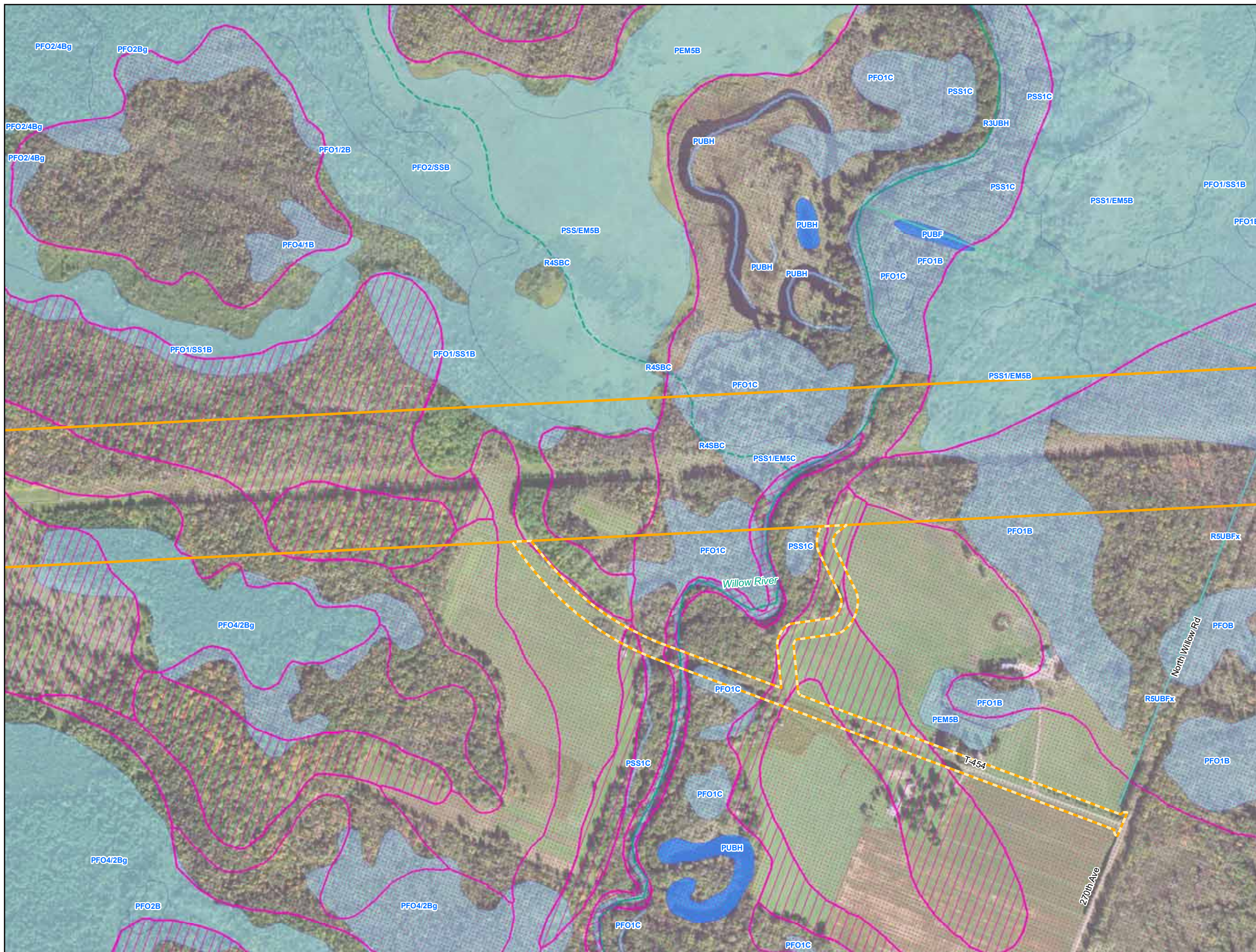
Aitkin County, Minnesota















September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310MNT\LSR_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-70

Enbridge

Desktop Environmental Features

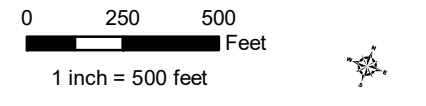
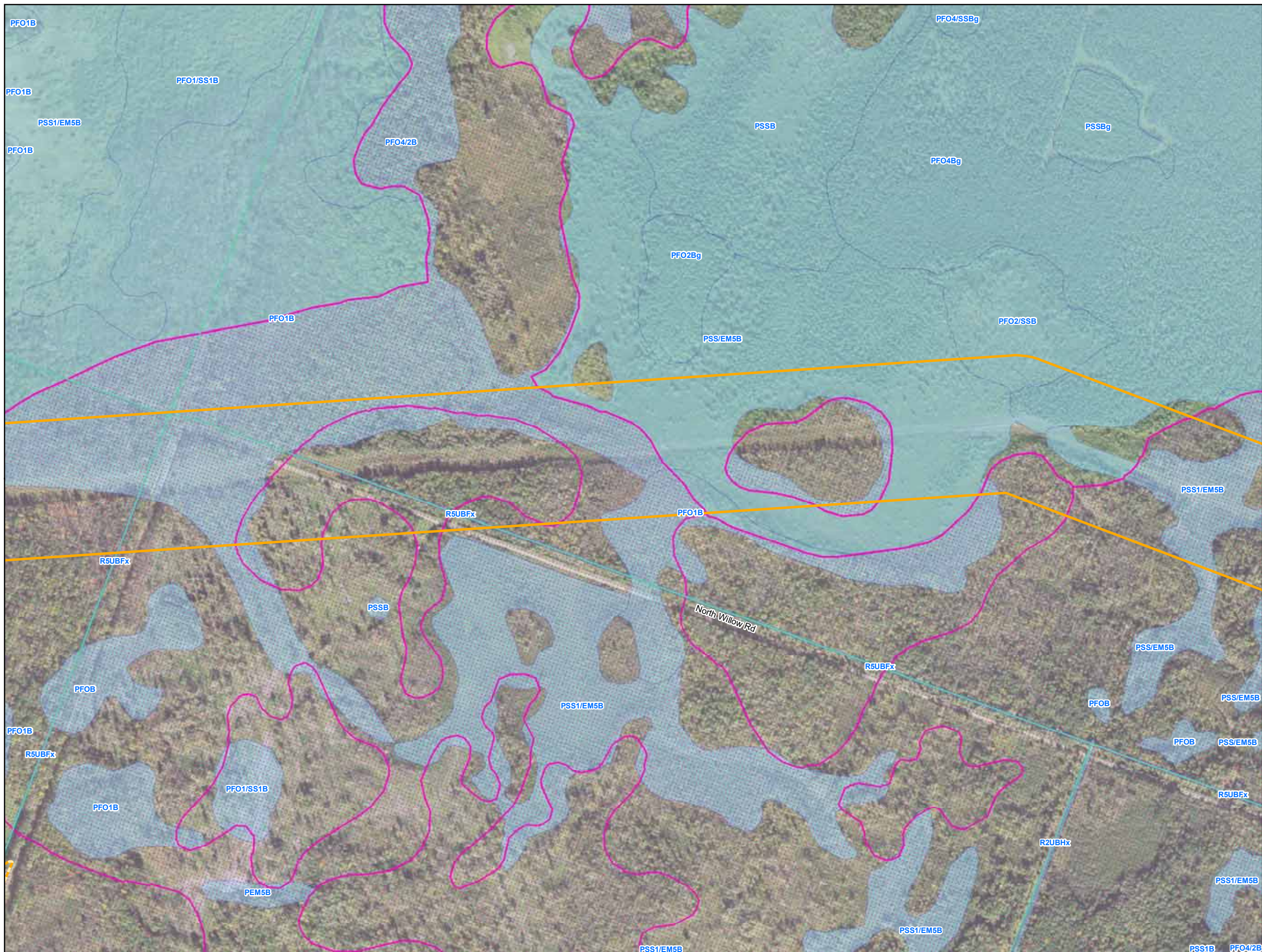
Aitkin County, Minnesota



September 2018

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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-71**

Enbridge

**Desktop Environmental
Features**

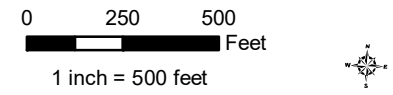
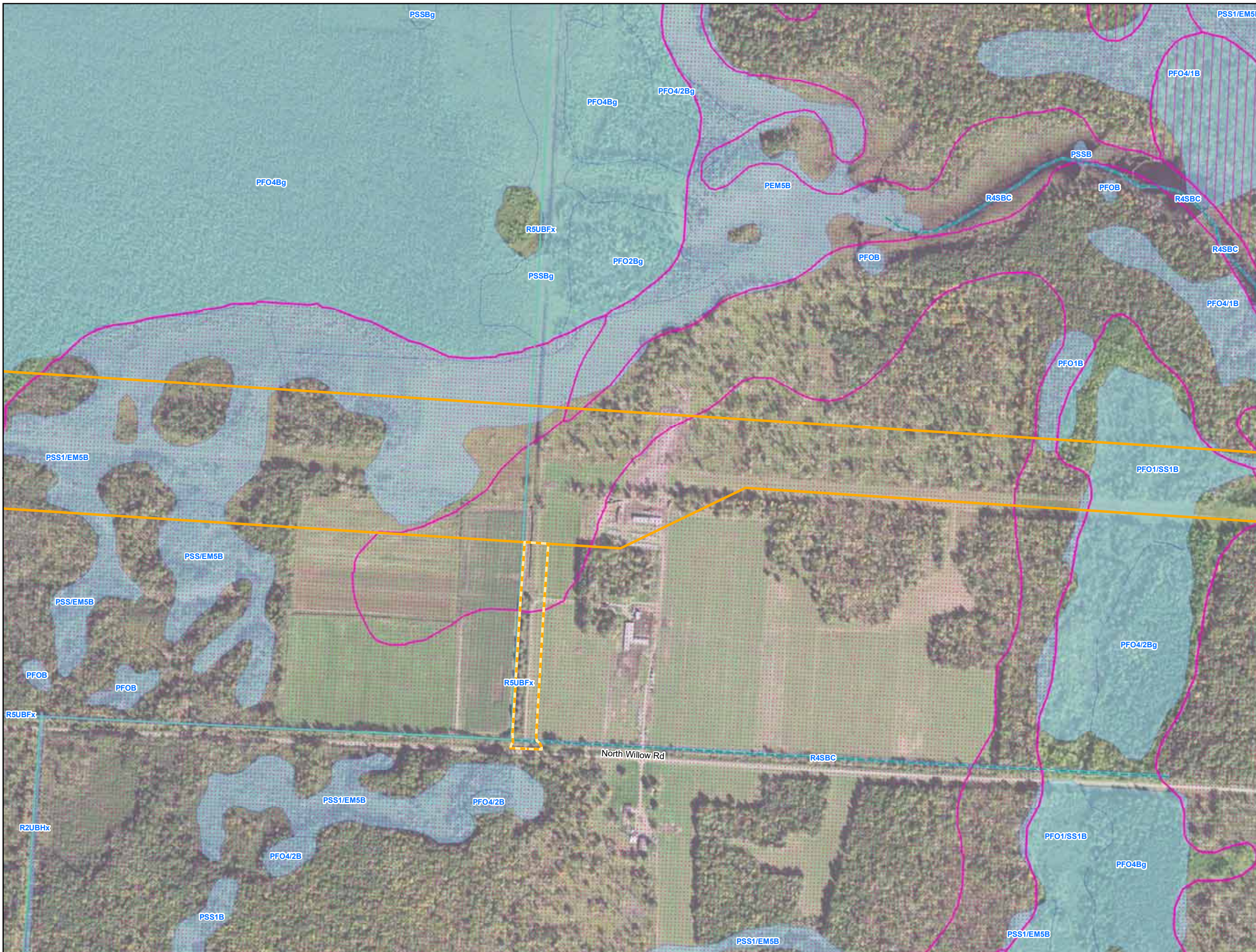
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FHE\enbridge\Line_3_Full_Replacement\field_Data\Wetland\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MMT1\CS\Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-72**

Enbridge

**Desktop Environmental
Features**

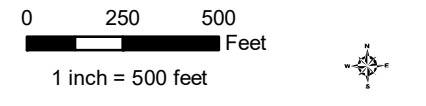
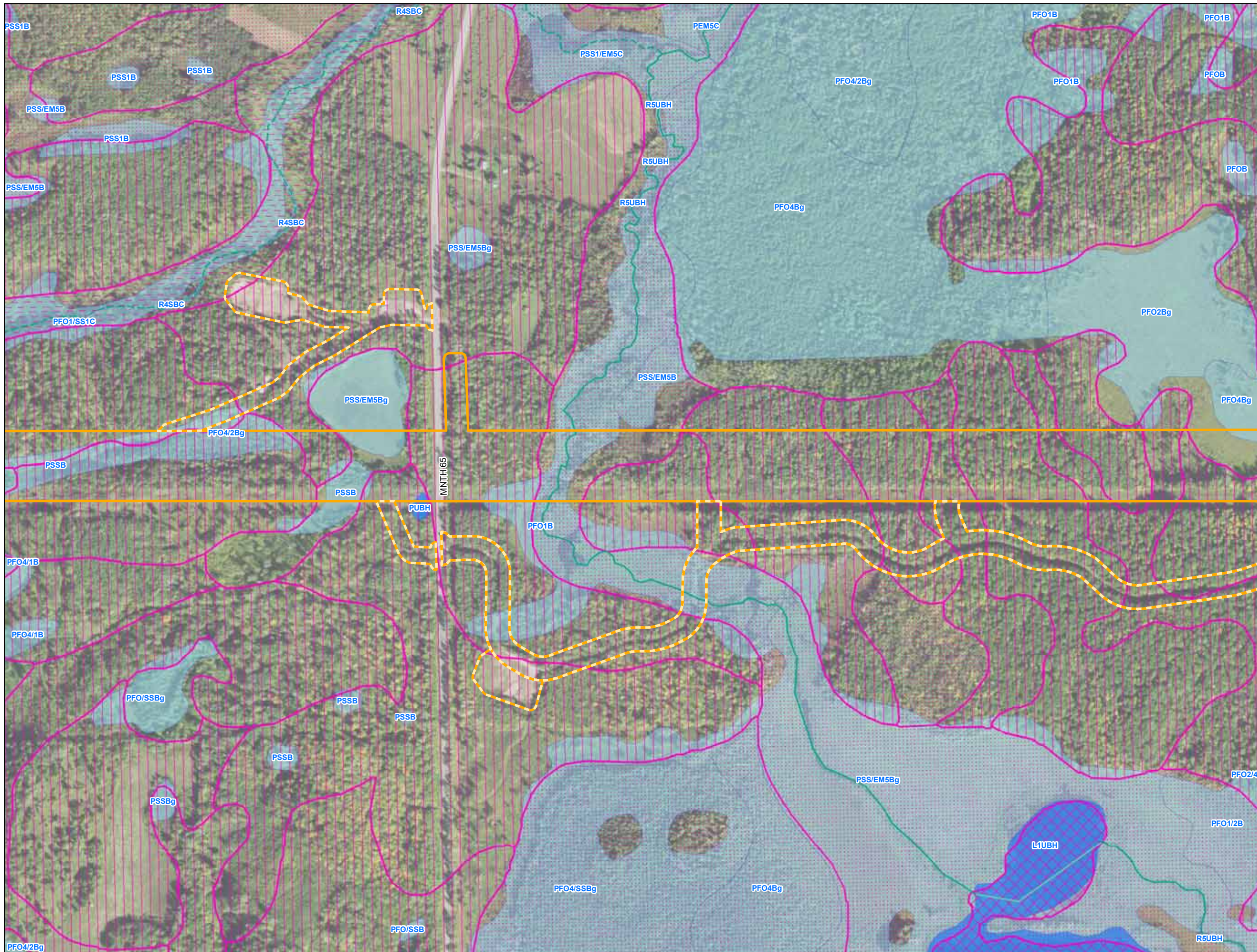
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FIE\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
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-74**

Enbridge

**Desktop Environmental
Features**

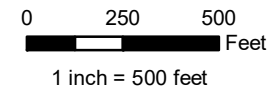
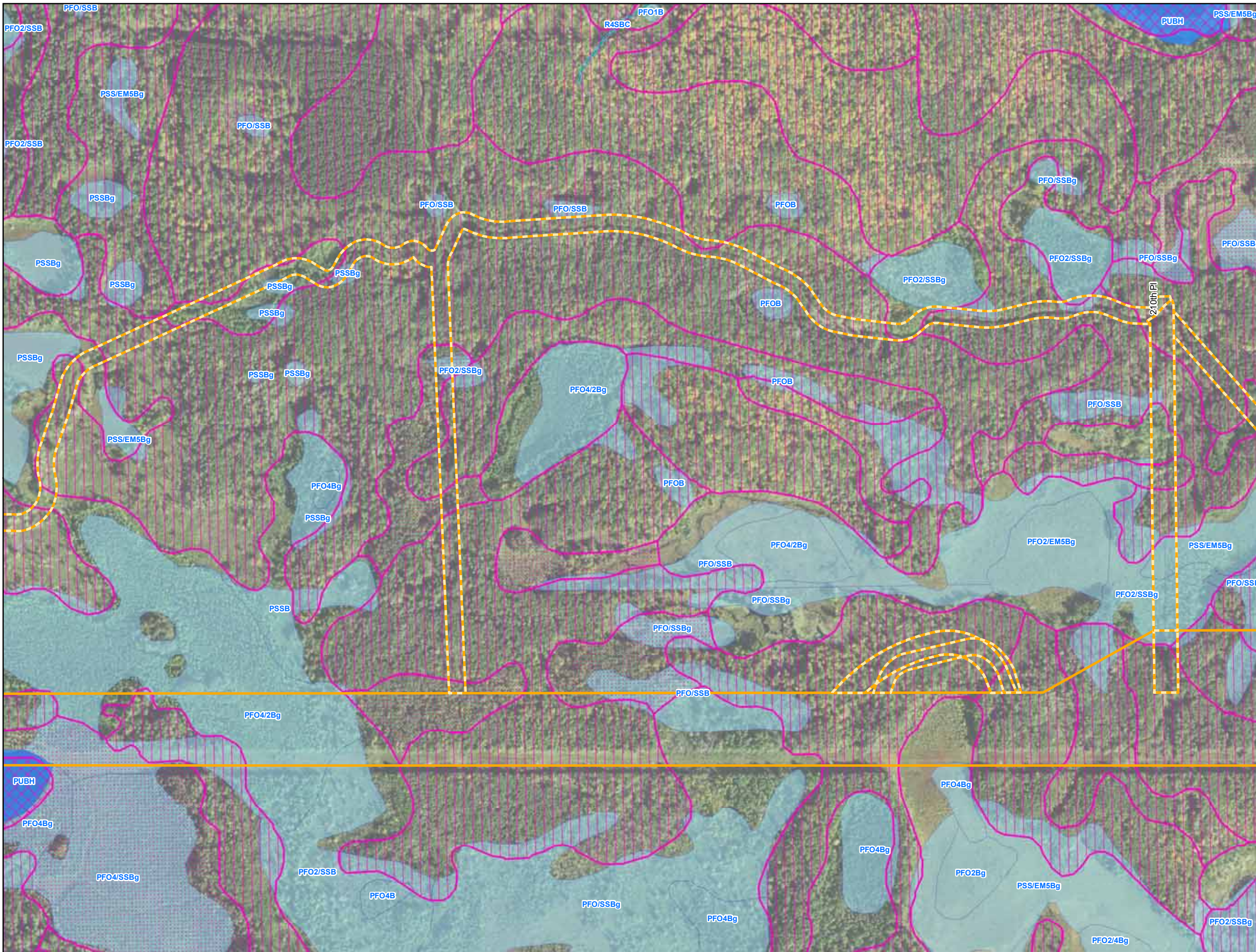
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-76**

Enbridge

**Desktop Environmental
Features**

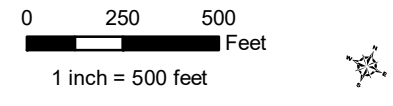
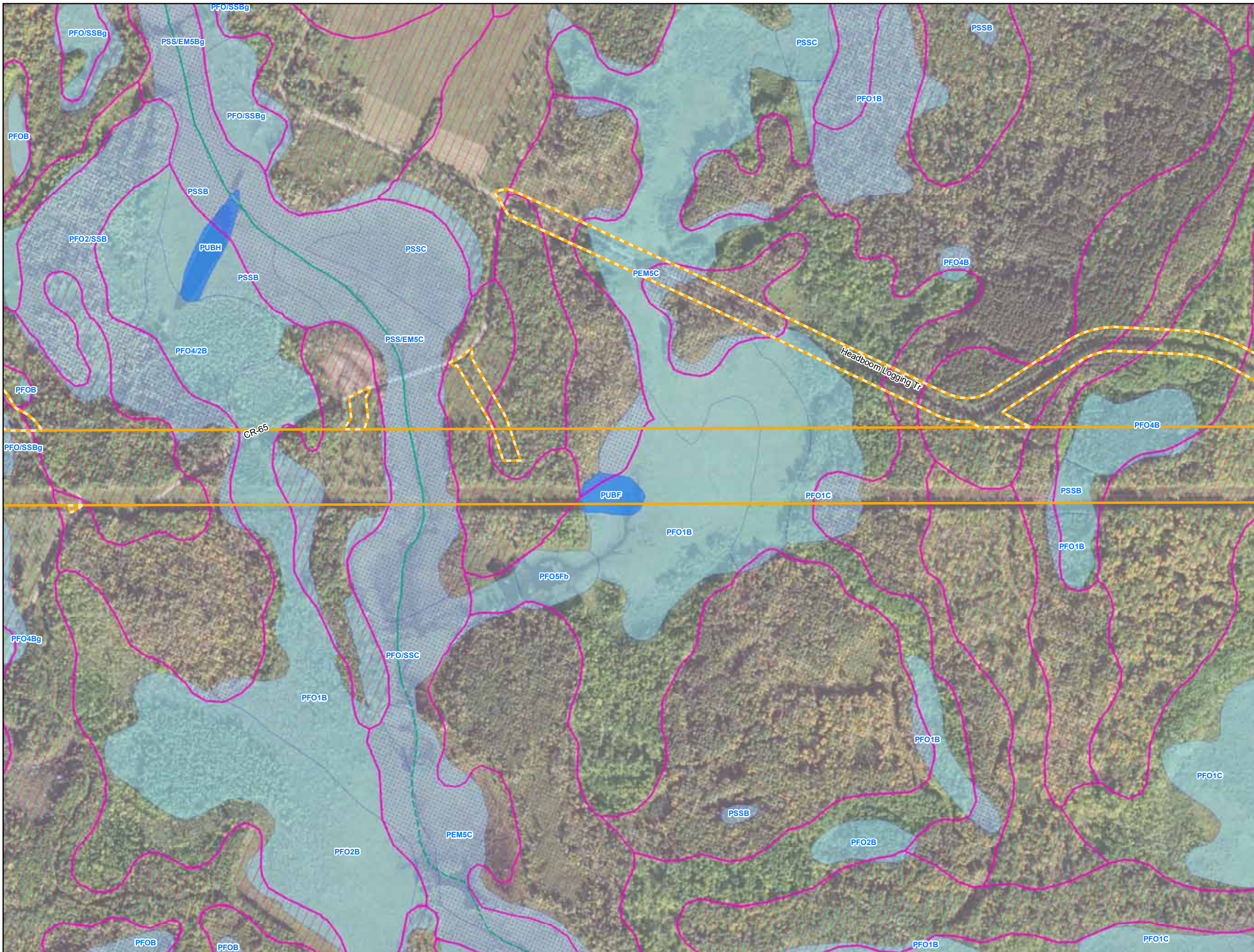
Aitkin County, Minnesota



September 2018

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Date: (9/20/2018) Source: Z:\Clients\IE_FIE\Enbridge_Line_3_Full_Replacement\IEID_Data\Wetland\Wetland_Waterbody\Reports\Wetland_Waterbody_2018060310MNT\LSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-79

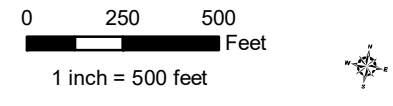
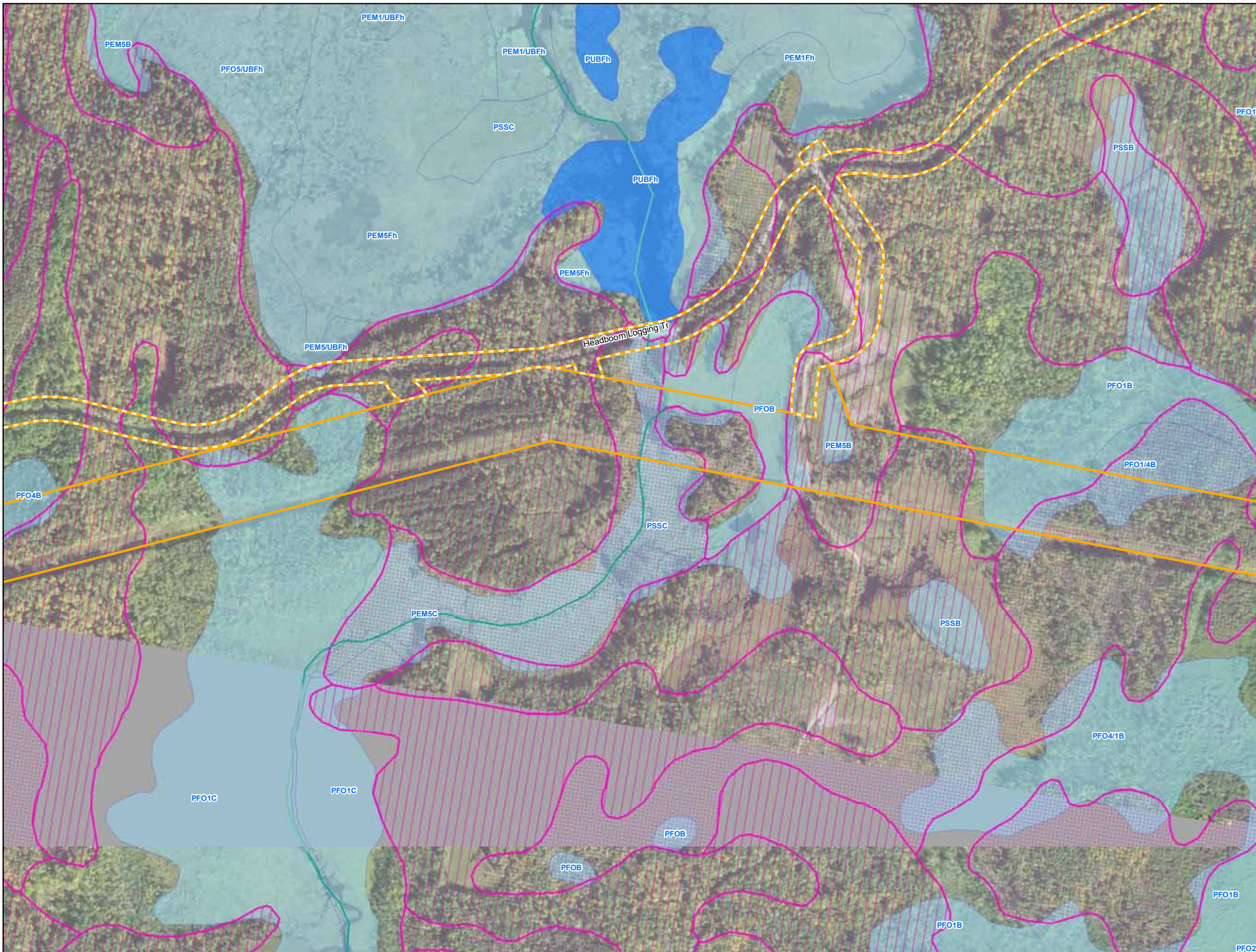
Enbridge
**Desktop Environmental
 Features**
Aitkin County, Minnesota















September 2018

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Date: (9/20/2018) Source: Z:\Clients\IE_FIE\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
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-80**

Enbridge

**Desktop Environmental
Features**

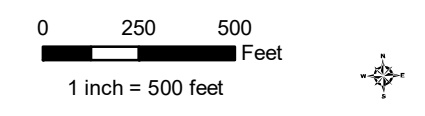
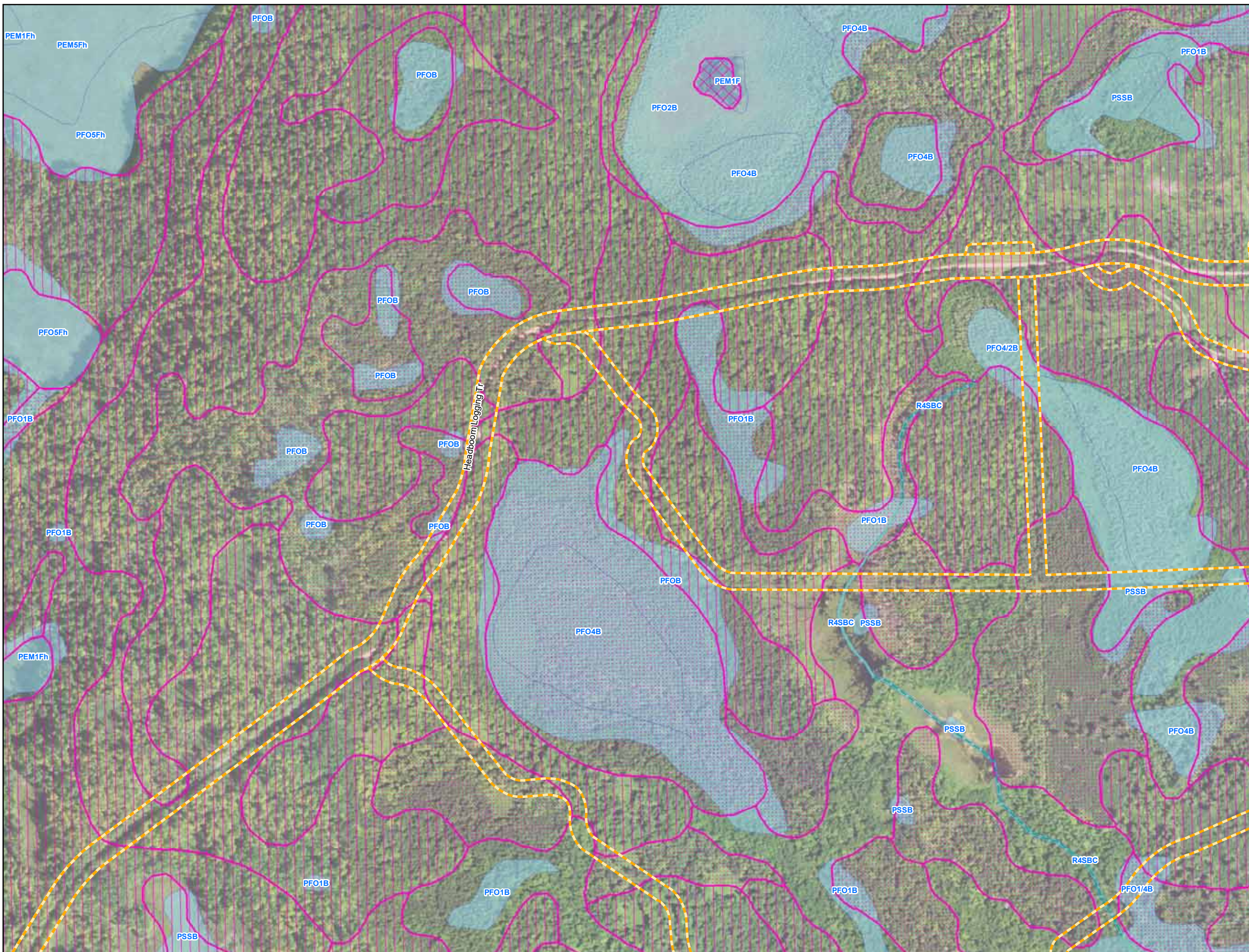
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\MapData\Wetland\Waterbody\Reports\Wetland_Waterbody_2018060310MNT\LSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-81**

Enbridge

**Desktop Environmental
Features**

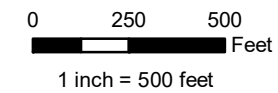
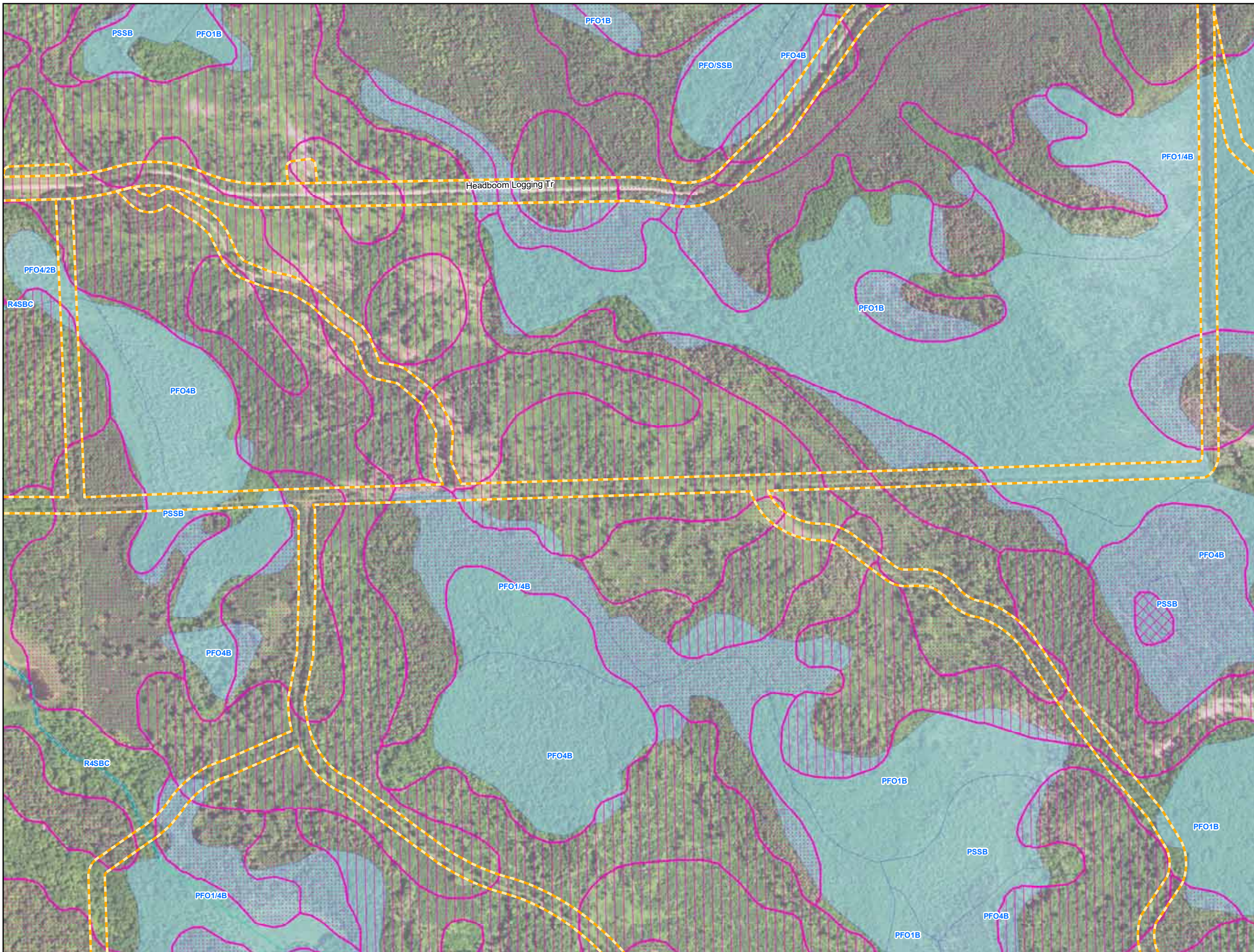
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FHE\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MIN\T3R_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NW1 Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-82

Enbridge

Desktop Environmental Features

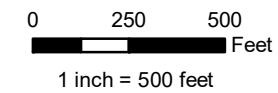
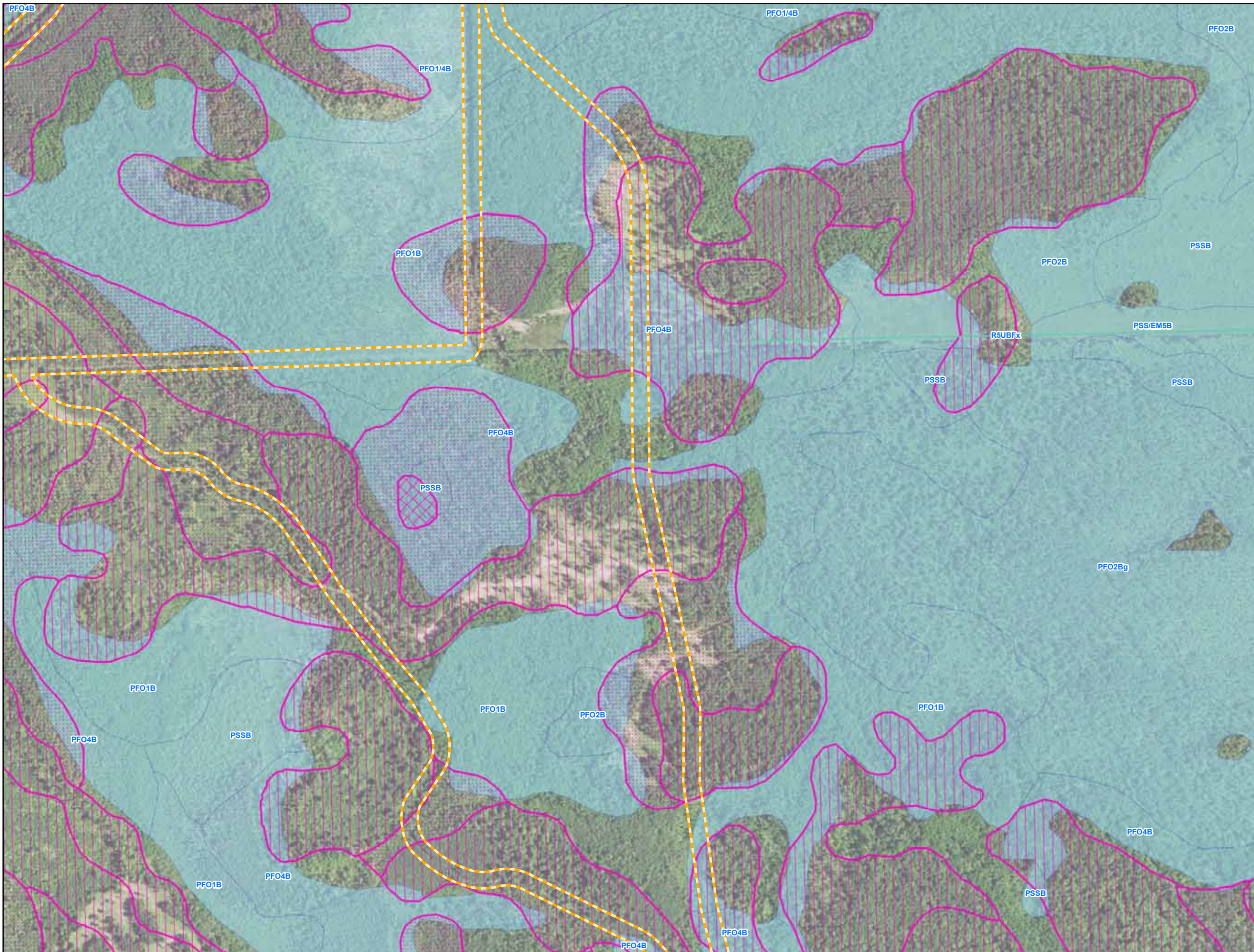
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-83

**Enbridge
Desktop Environmental
Features**

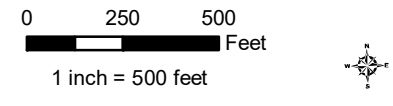
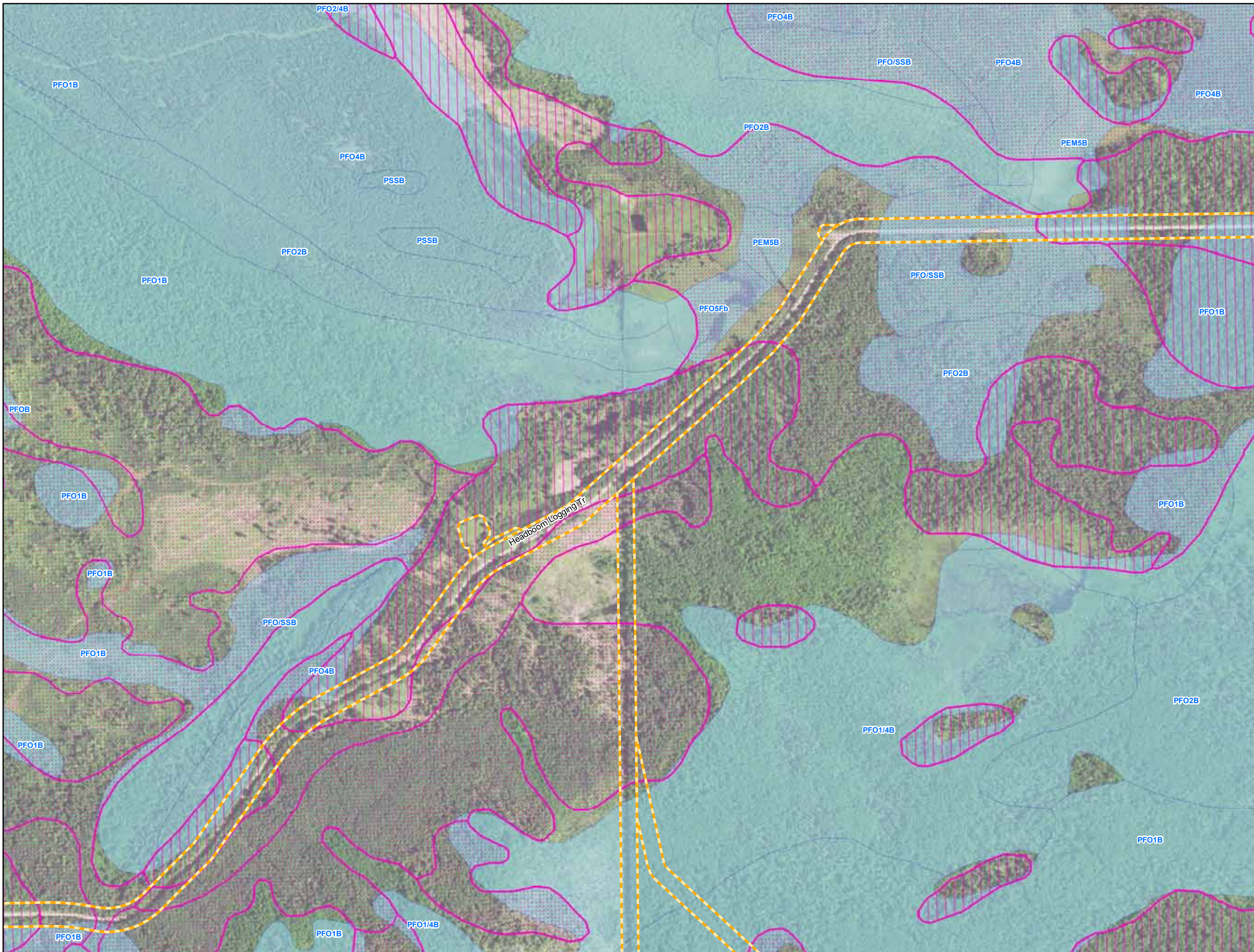
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-84

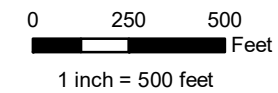
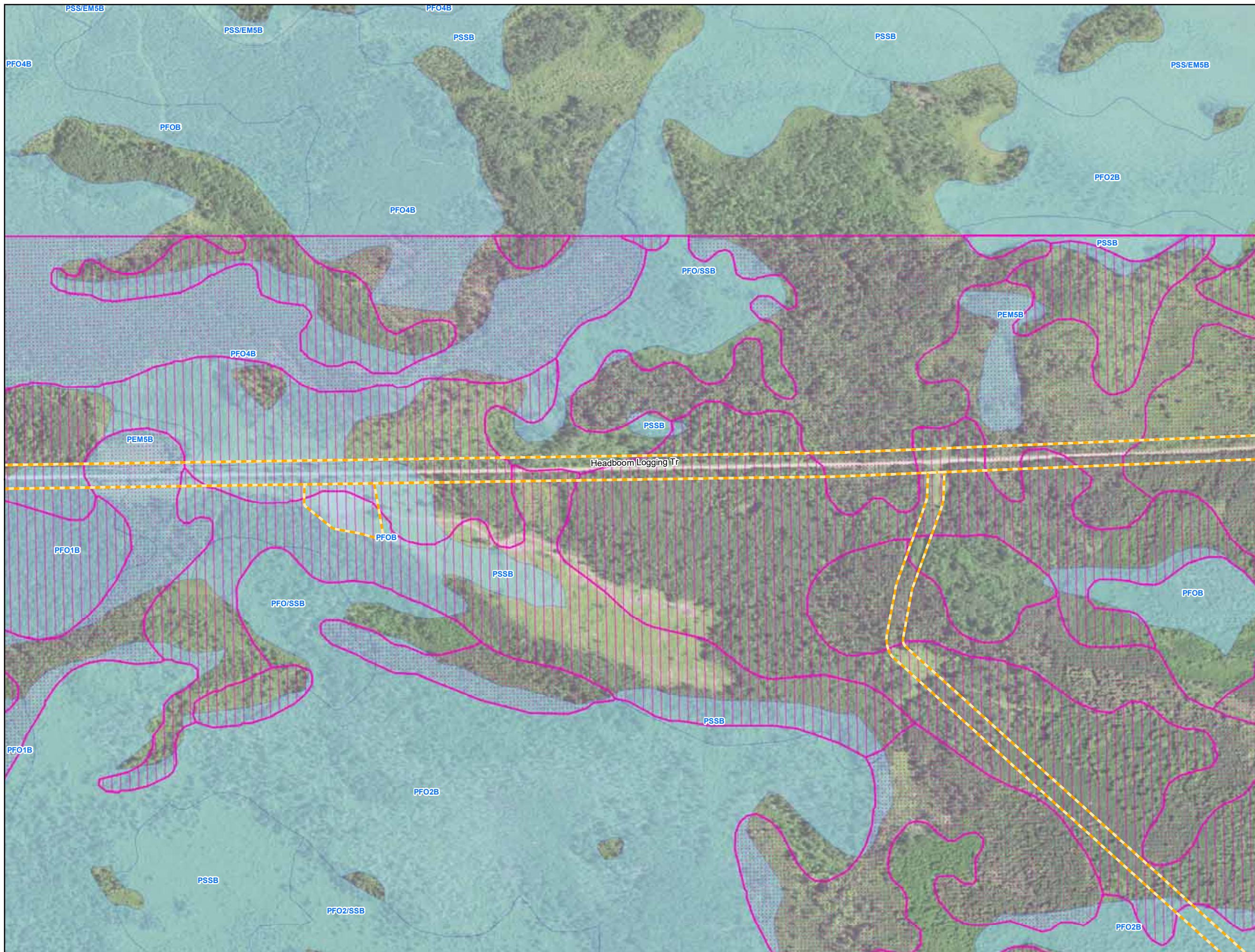
Enbridge
**Desktop Environmental
Features**
Aitkin County, Minnesota















September 2018

For Environmental Review Purposes Only

Source: (9/20/2018) - Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\MapData\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MT\LSR_Wetland_WB_AppendixC_MN.mxd



-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-85

Enbridge

**Desktop Environmental
Features**

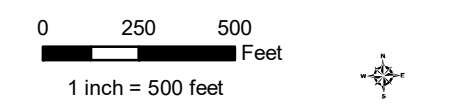
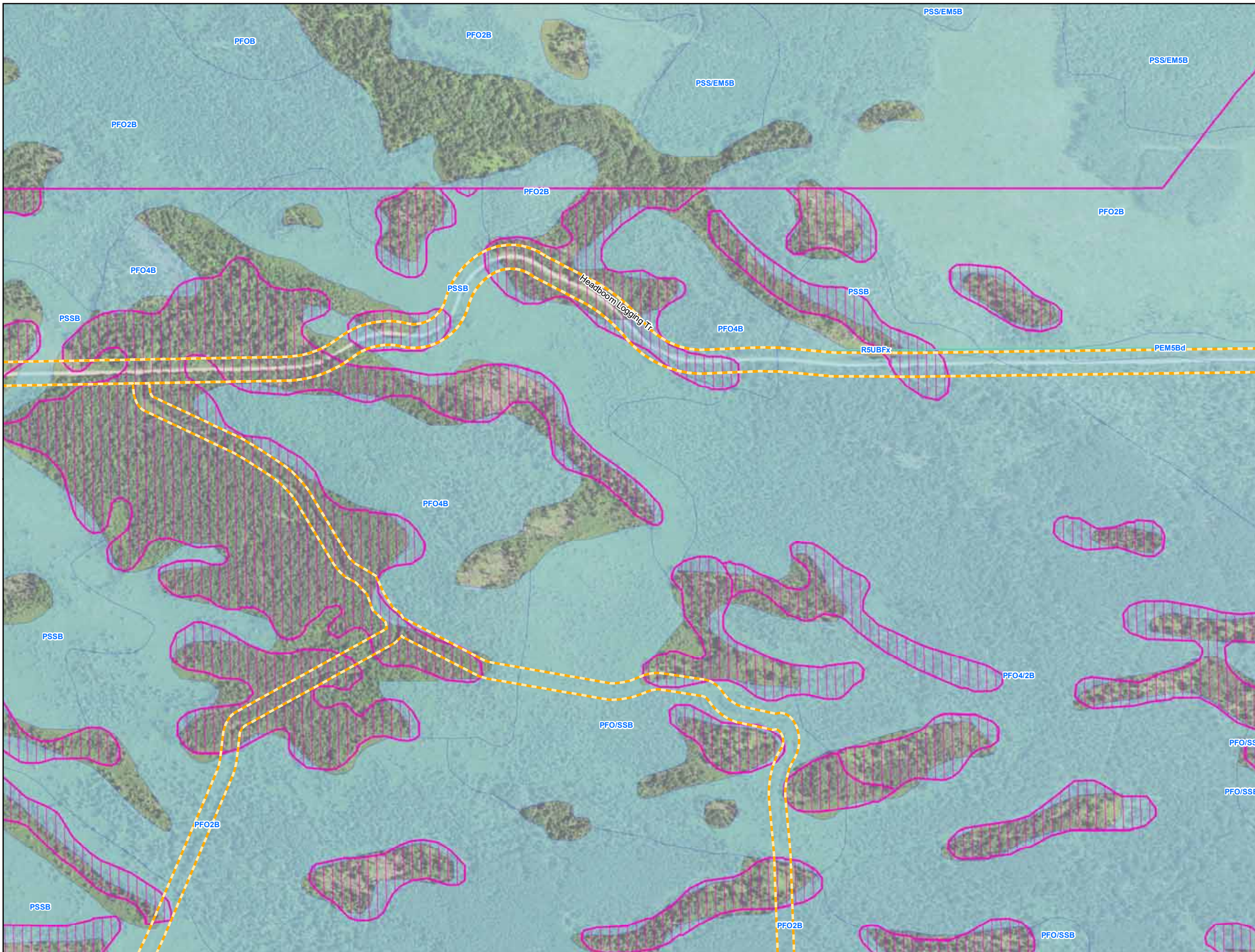
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_FHE\EnbridgeLine_3_Full_ReplacementField_Data\Wetland\Waterbody\Reports\Wetland_Waterbody_20180631\MIN\LSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-87**

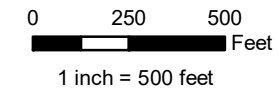
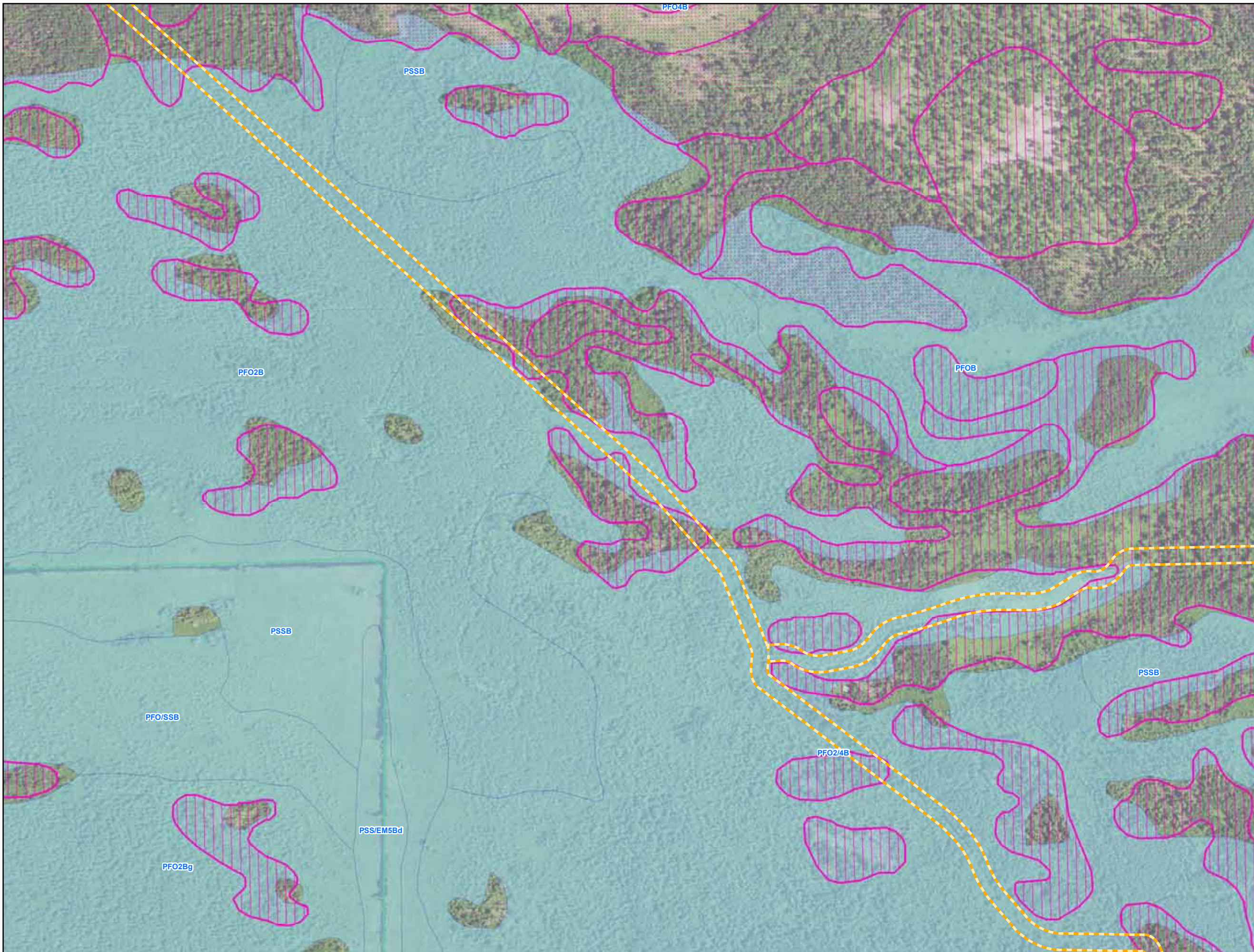
**Enbridge
Desktop Environmental
Features
Aitkin County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/20/2018) Source: Z:\Clients\IE_F\Enbridge\Line_3_Full_Replacement\Field_Data\Wetland_Waterbody\Reports\Wetland_Waterbody_20180631\MT\LSR_Wetland_WB_AppendixC_MN.mxd



- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-88**

Enbridge

**Desktop Environmental
Features**

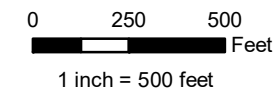
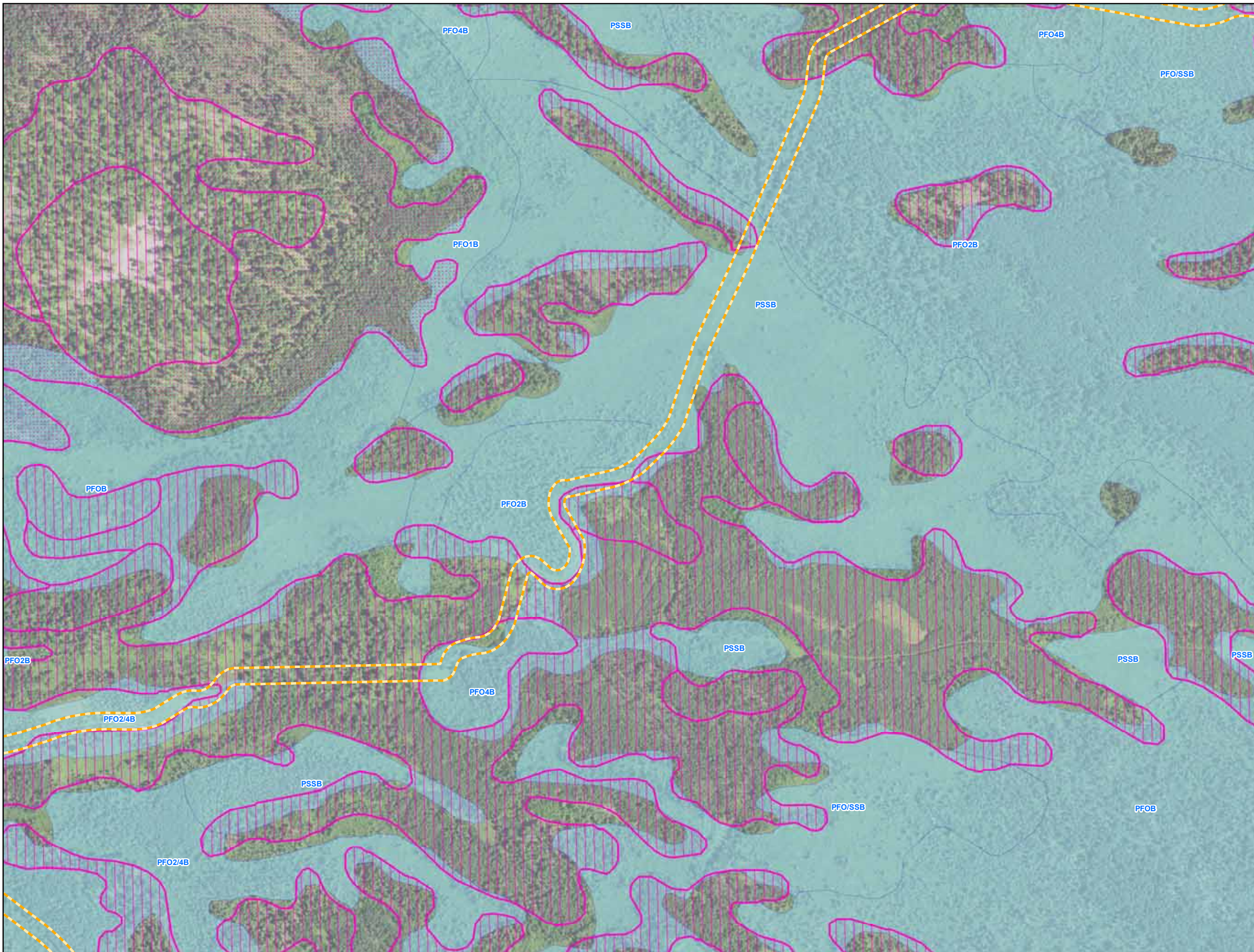
Aitkin County, Minnesota



September 2018

For Environmental Review Purposes Only

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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-89**

**Enbridge
Desktop Environmental
Features**

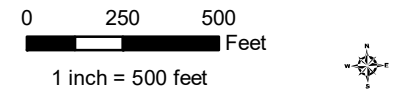
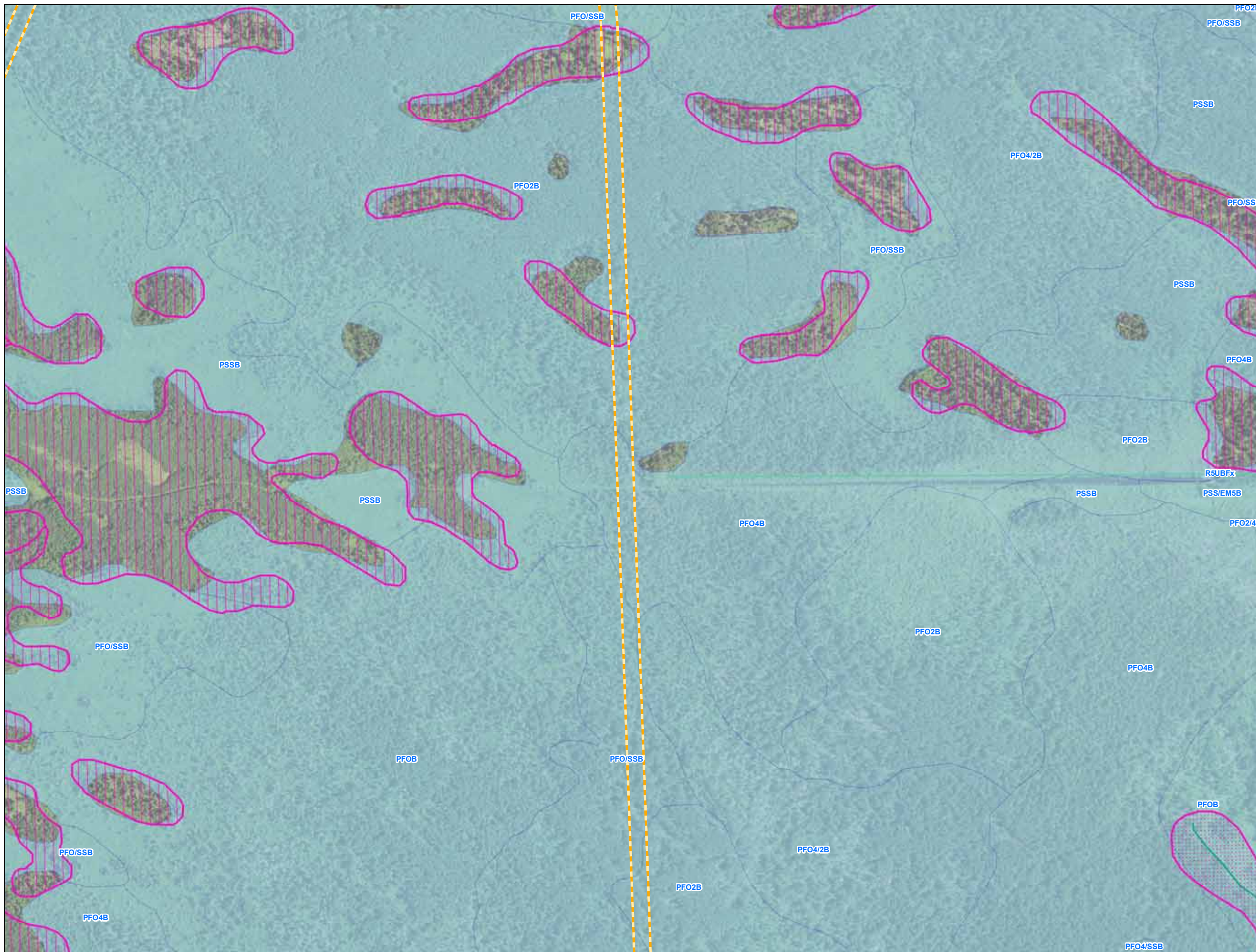
Aitkin County, Minnesota















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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-90**

Enbridge

**Desktop Environmental
Features**

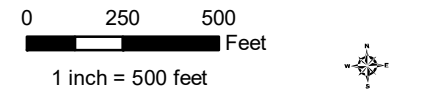
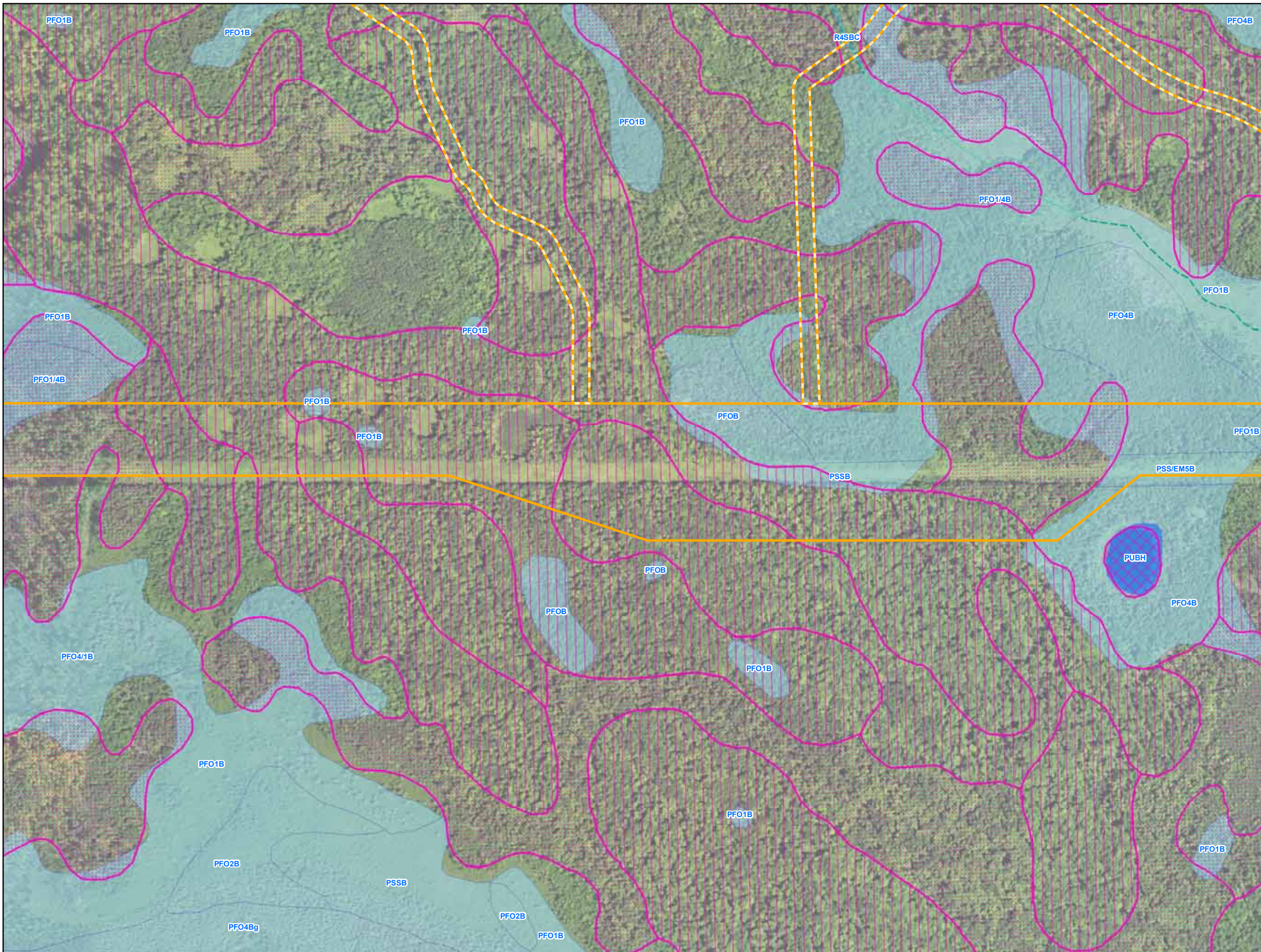
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-91

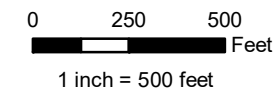
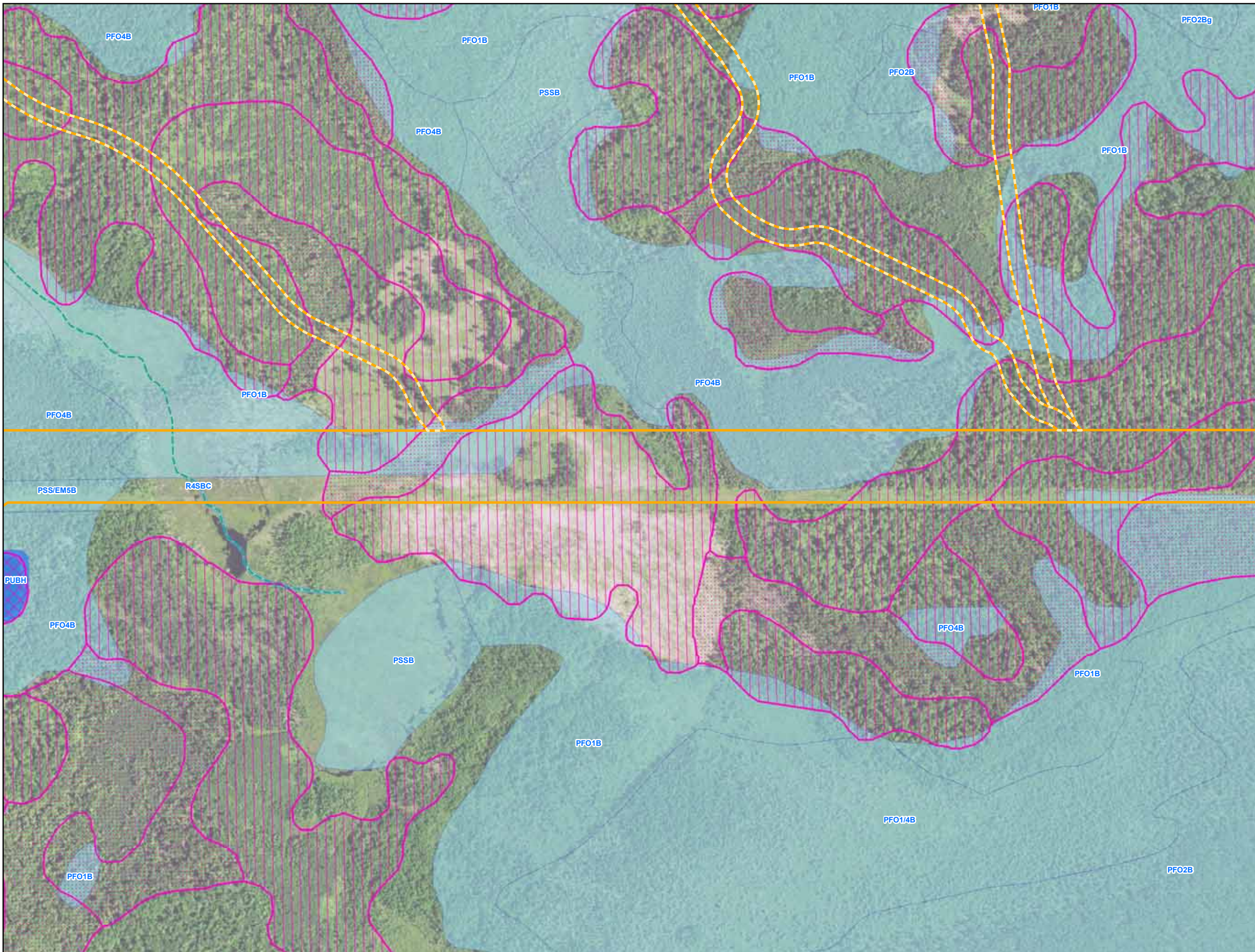
Enbridge
**Desktop Environmental
Features**
Aitkin County, Minnesota















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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
- National Hydrography Dataset (NHD)
 -  Perennial Stream
 -  Intermittent Stream
 -  Canal/Ditch
 -  Waterbody
- Hydric Soils - (SSURGO)
 -  Hydric (100%)
 -  Hydric (66 to 99%)
 -  Hydric (33 to 65%)
 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

Appendix C Exhibit C 11-92

Enbridge

Desktop Environmental Features

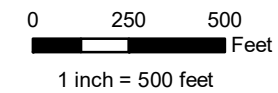
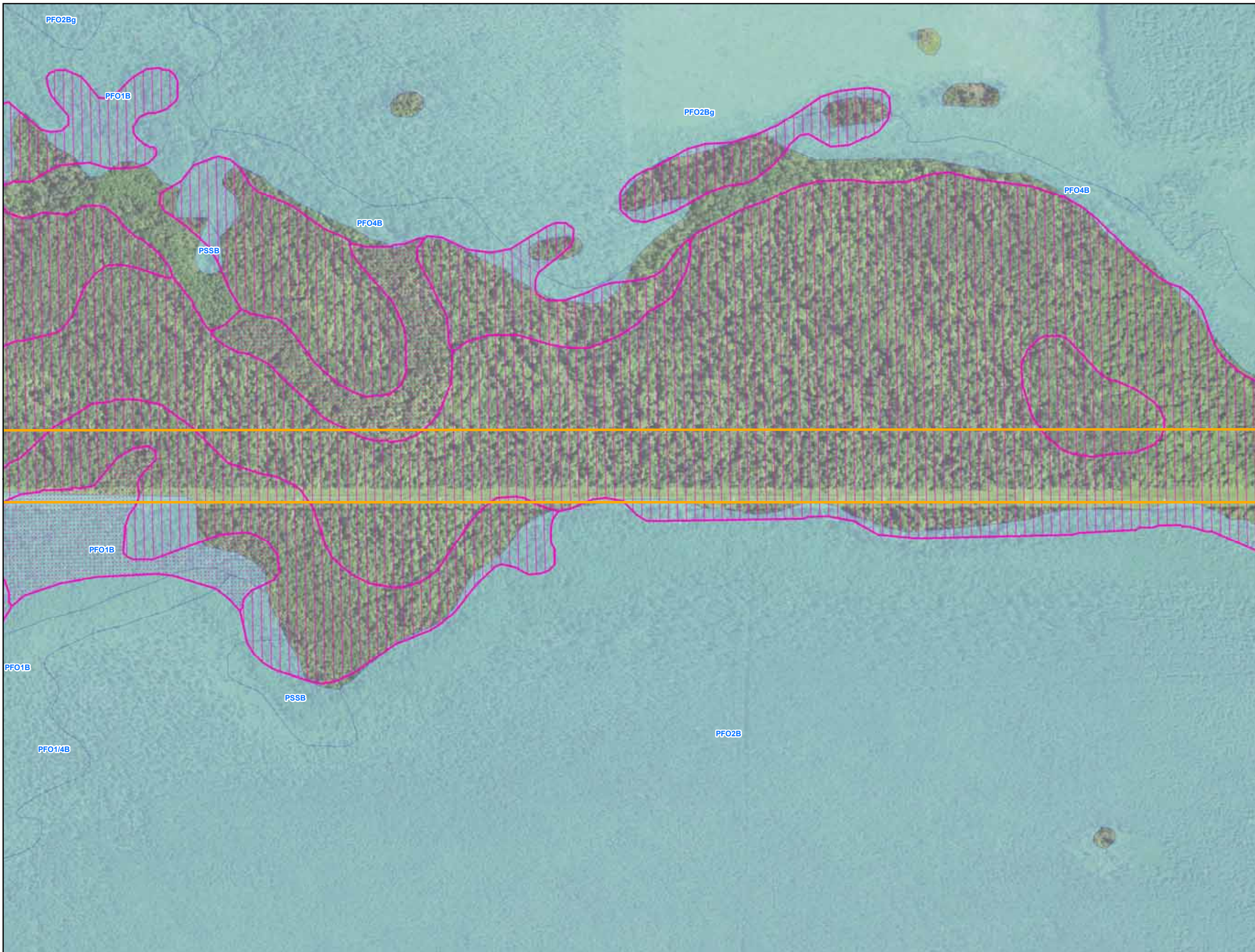
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-  Environmental Survey Corridor
-  Access Road Survey Corridor
-  NWI Wetlands
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- Hydric Soils - (SSURGO)
 -  Hydric (100%)
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 -  Hydric (1 to 32%)
 -  Not Hydric (0%)

**Appendix C
Exhibit C 11-93**

Enbridge

**Desktop Environmental
Features**

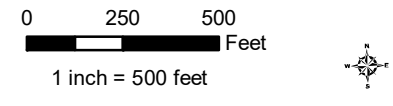
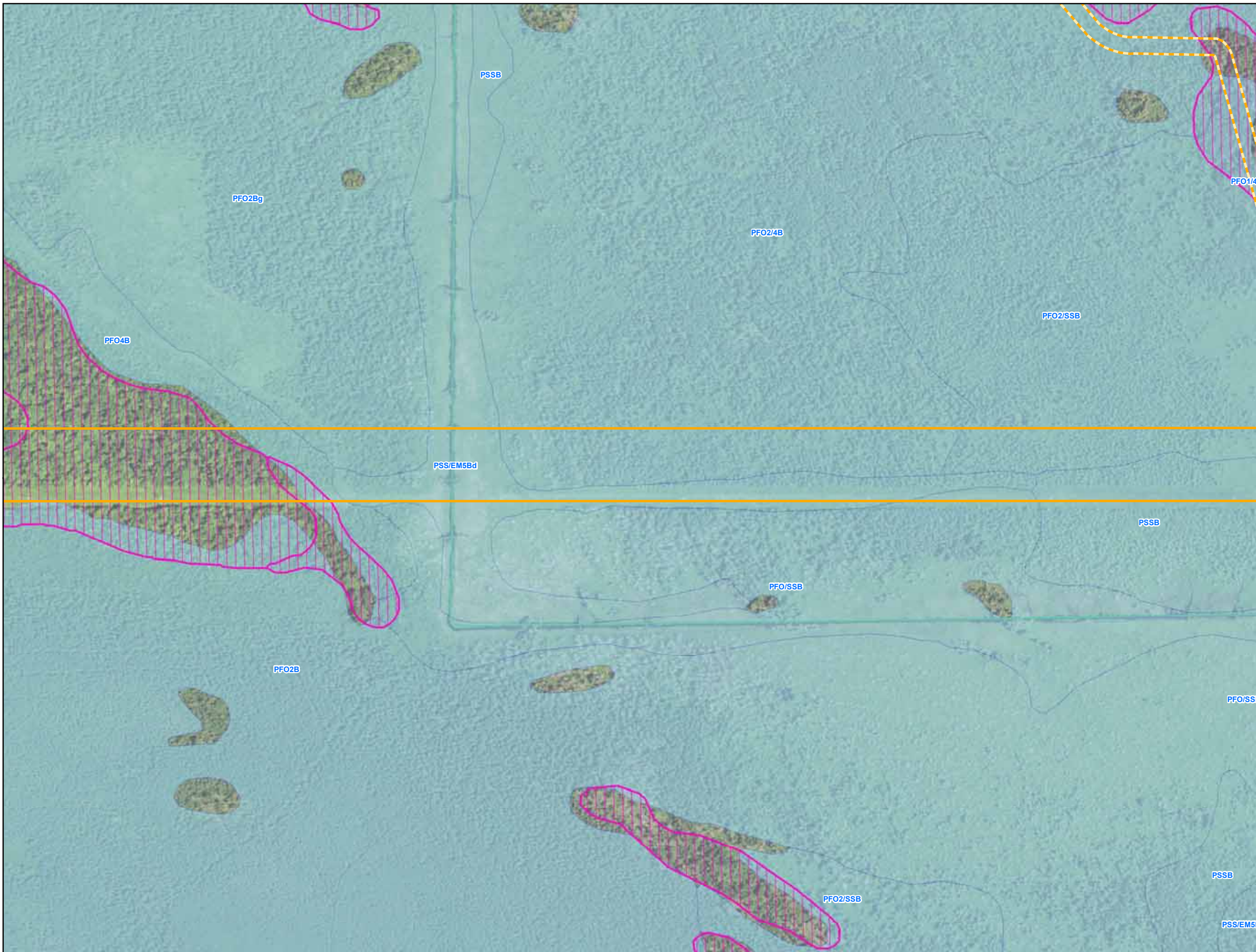
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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-94**

Enbridge

**Desktop Environmental
Features**

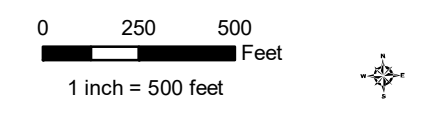
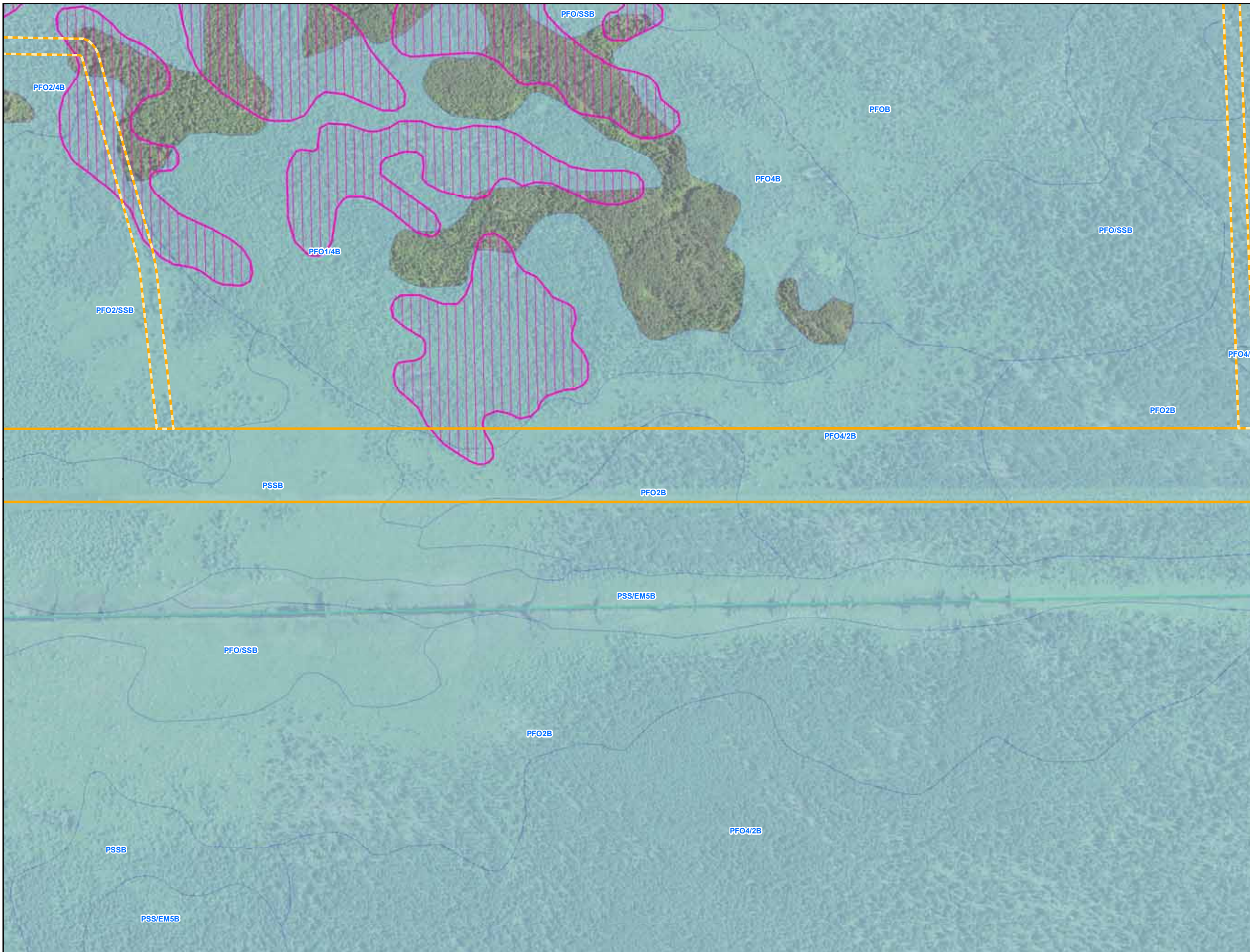
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
 - Hydric (33 to 65%)
 - Hydric (1 to 32%)
 - Not Hydric (0%)

Appendix C Exhibit C 11-95

Enbridge

**Desktop Environmental
Features**

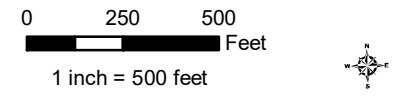
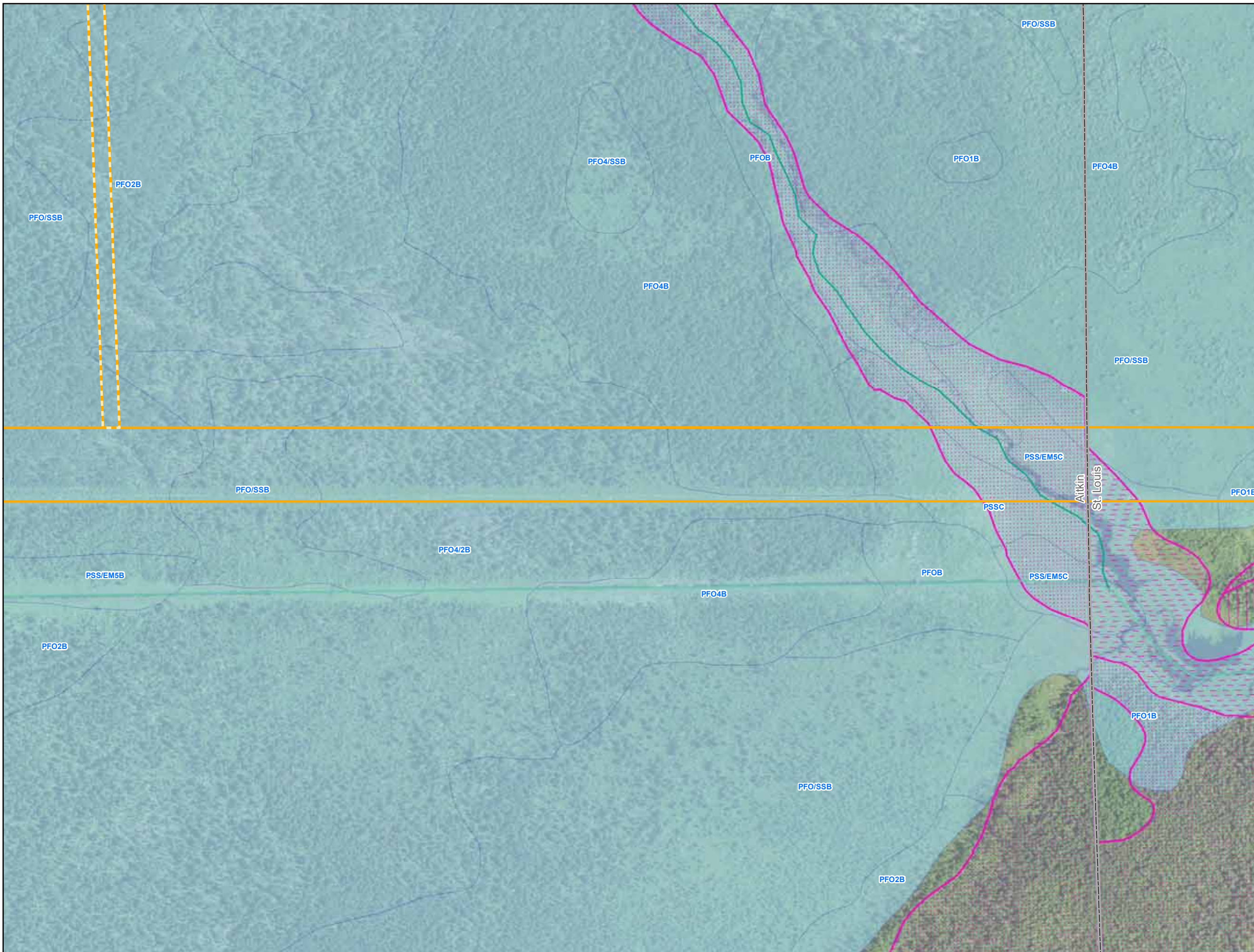
Aitkin County, Minnesota



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- Environmental Survey Corridor
- Access Road Survey Corridor
- NWI Wetlands
- National Hydrography Dataset (NHD)
 - Perennial Stream
 - Intermittent Stream
 - Canal/Ditch
 - Waterbody
- Hydric Soils - (SSURGO)
 - Hydric (100%)
 - Hydric (66 to 99%)
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 - Hydric (1 to 32%)
 - Not Hydric (0%)

**Appendix C
Exhibit C 11-96**

**Enbridge
Desktop Environmental
Features
Aitkin County, Minnesota**



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