













-  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 9-1

**Enbridge**

**Desktop Environmental  
Features**

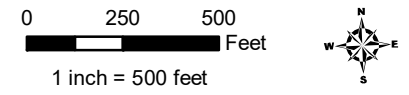
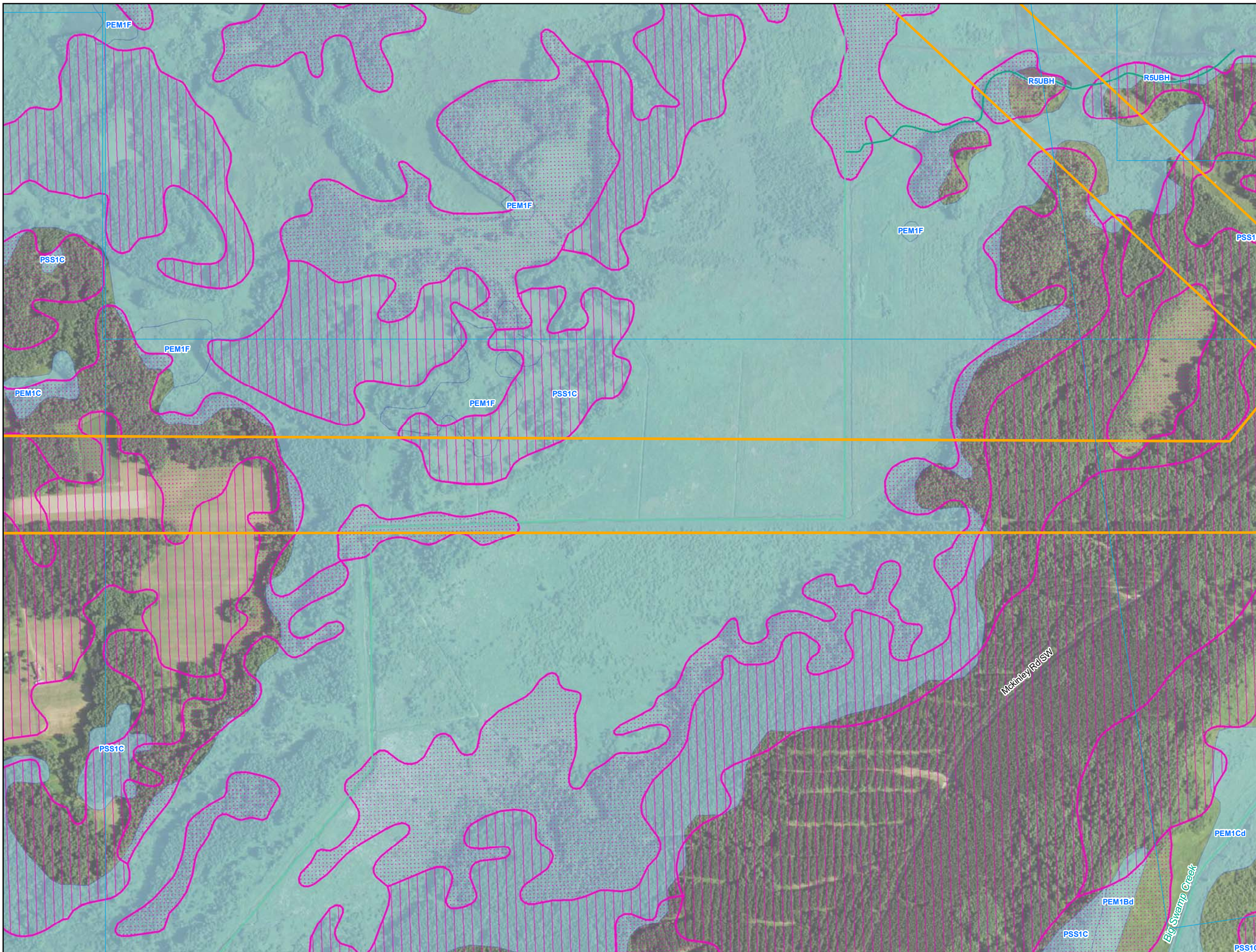
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\EnbridgeLine\_3\_Full\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\01\13\SR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-2

#### Enbridge

#### Desktop Environmental Features

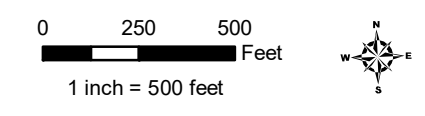
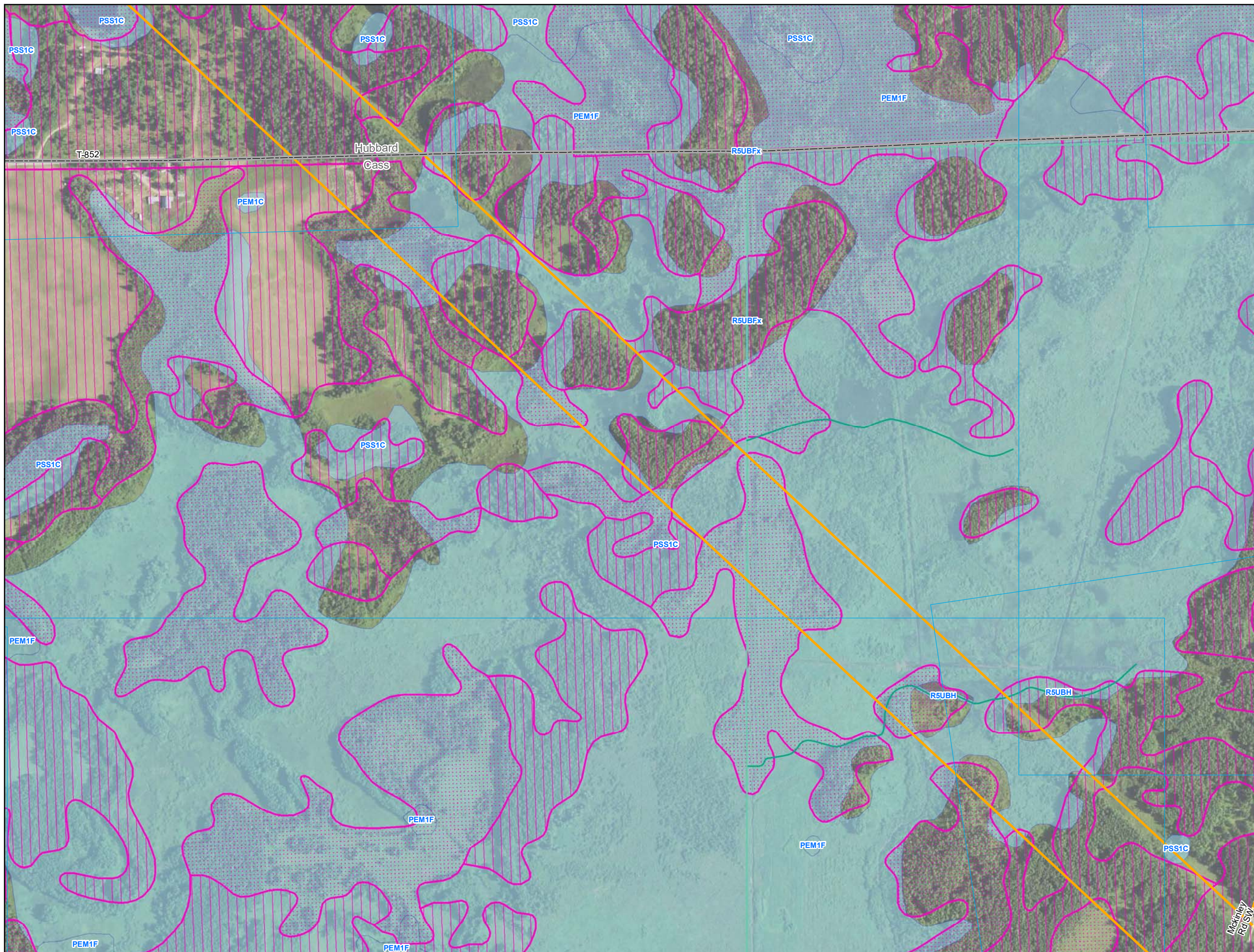
#### Cass County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\IEID\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\01\13\LR\_Wetland\_WB\_AppendixC\_MN\_bkgs.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 9-3**

**Enbridge**

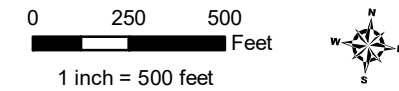
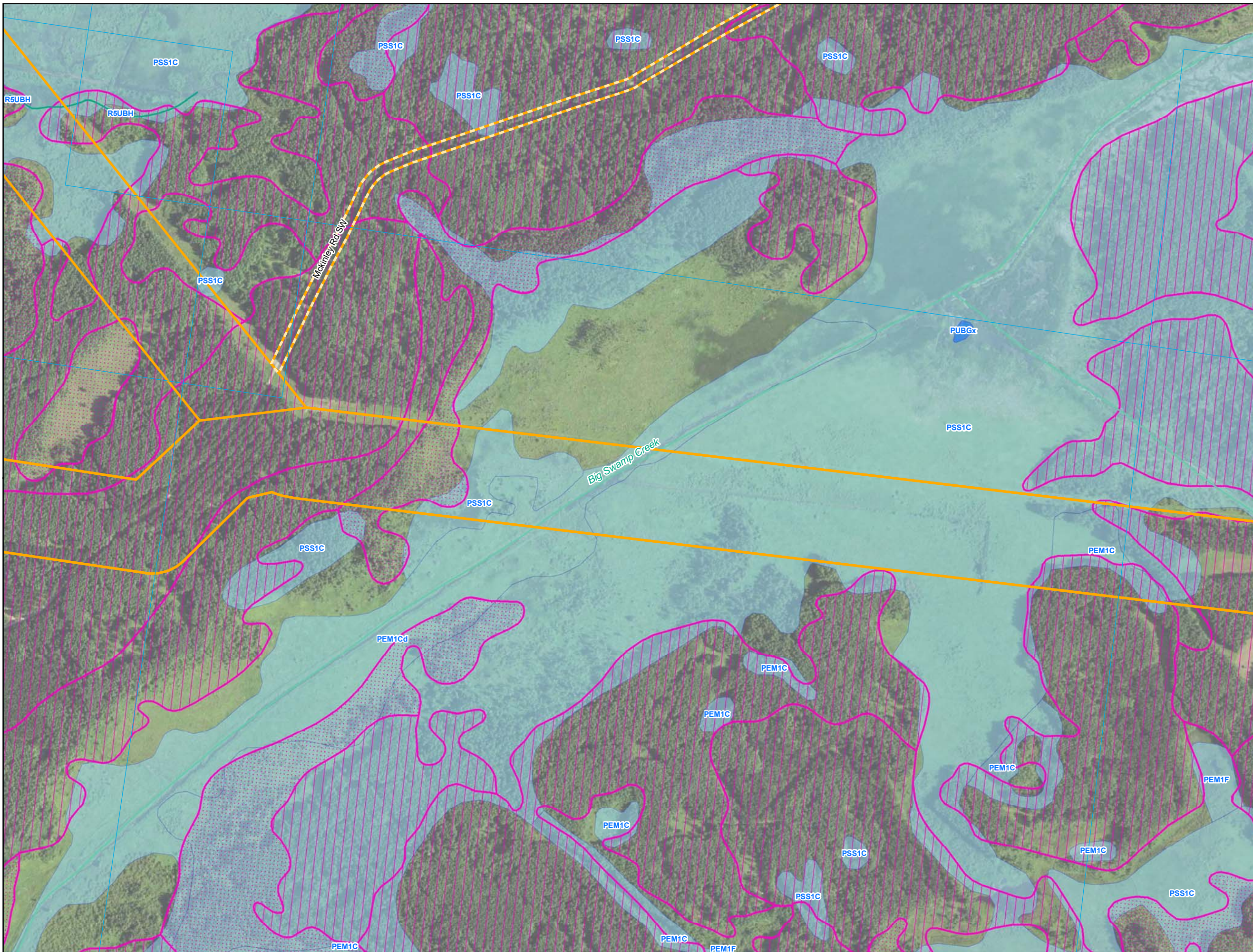
**Desktop Environmental  
Features**

**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only



- 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 9-4

### Enbridge

#### Desktop Environmental Features

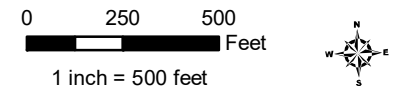
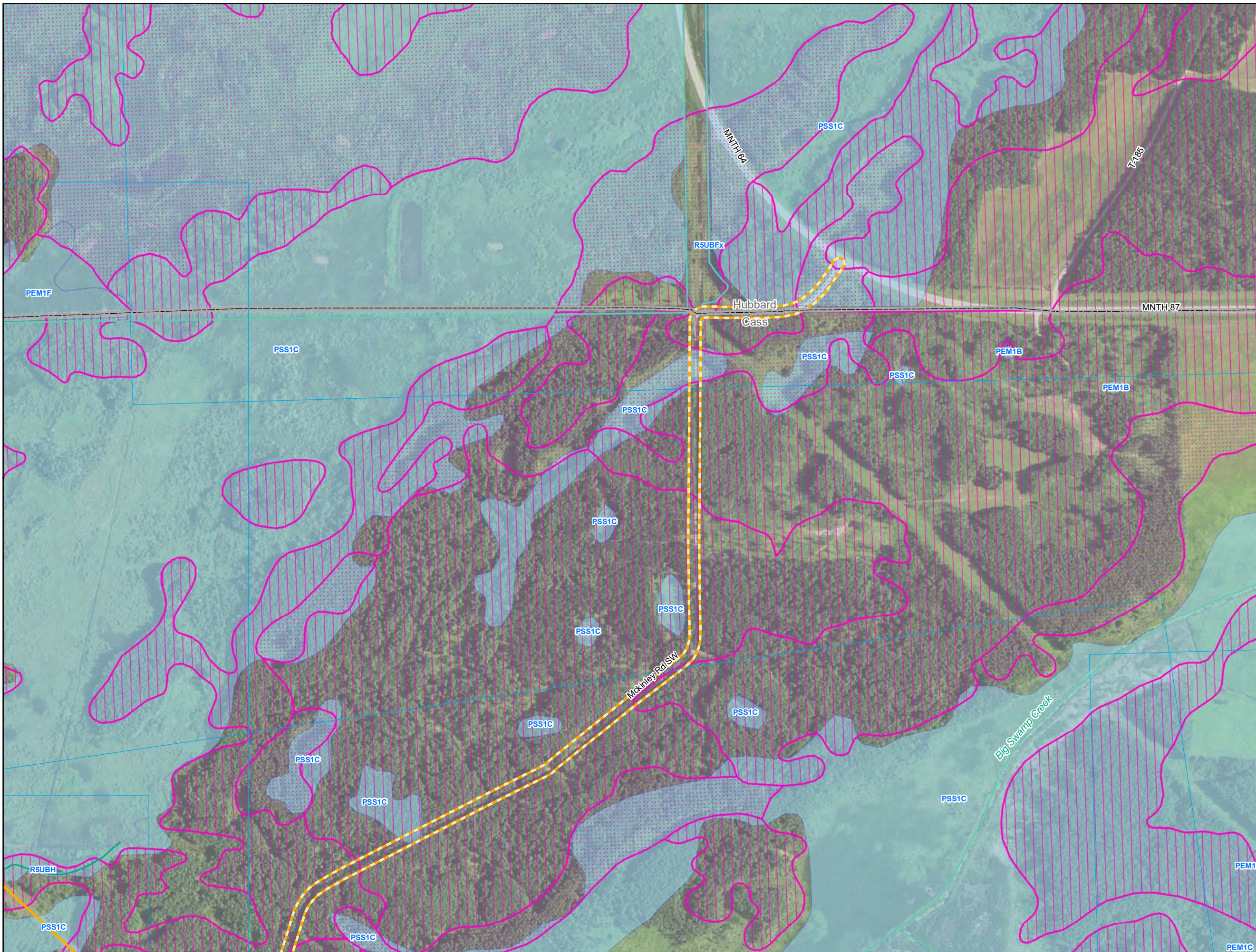
#### Cass County, Minnesota



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\IEID\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MIN13\SR\_Wetland\_WB\_AppendixC\_MN\_bkgs.mxd Date: (9/13/2018)



- 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 9-5**

**Enbridge**

**Desktop Environmental  
Features**

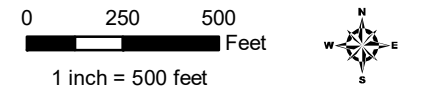
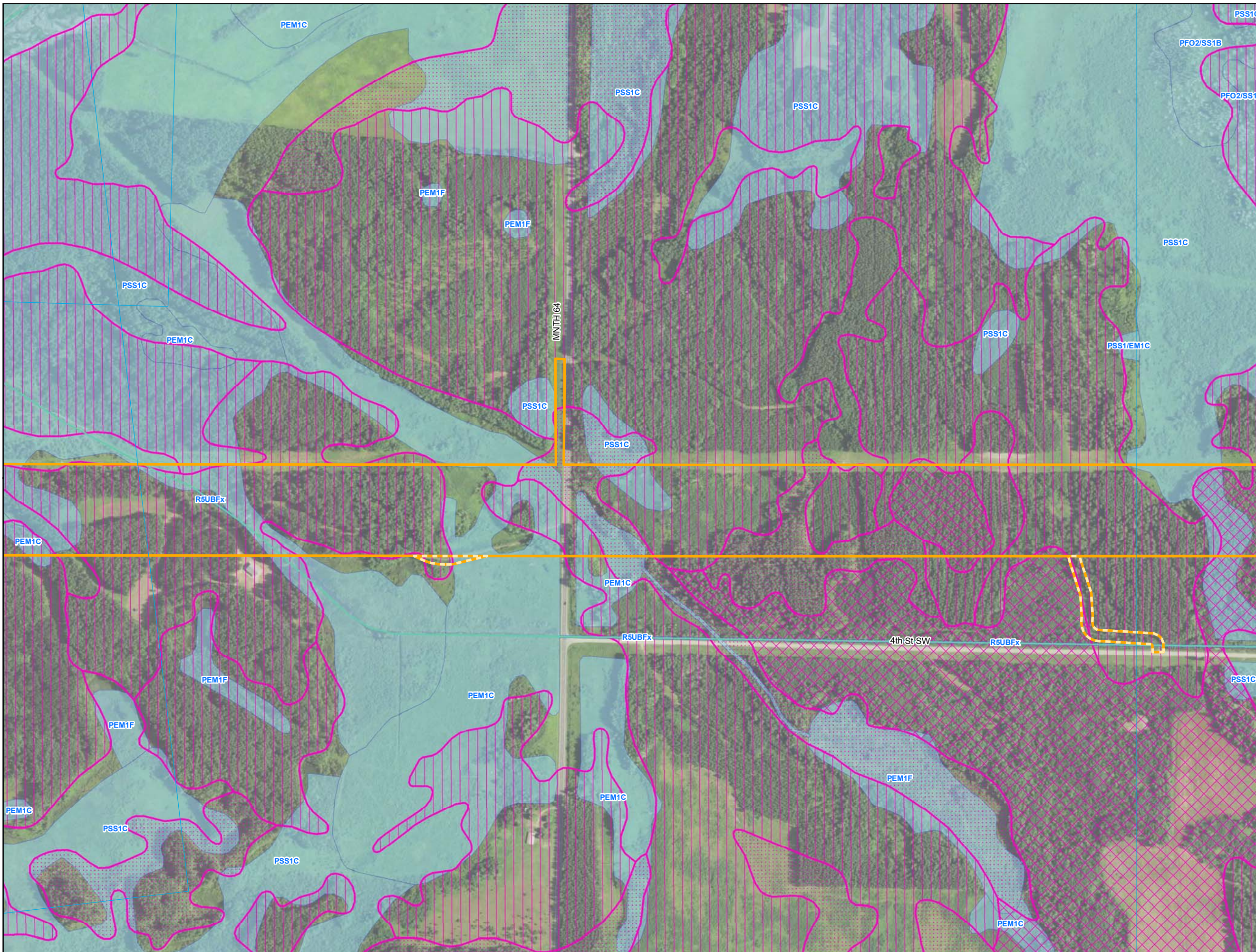
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\E\_Enbridge\Line\_3\_Full\_ReplacementField\_Data\Wetland\Waterbody\Report\Wetland\_Waterbody\_20180631\MNTN\Wetland\_WB\_AppendixC\_MN\_bk1.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 9-6

### Enbridge

#### Desktop Environmental Features

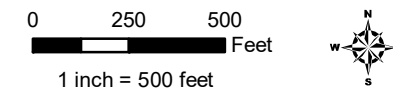
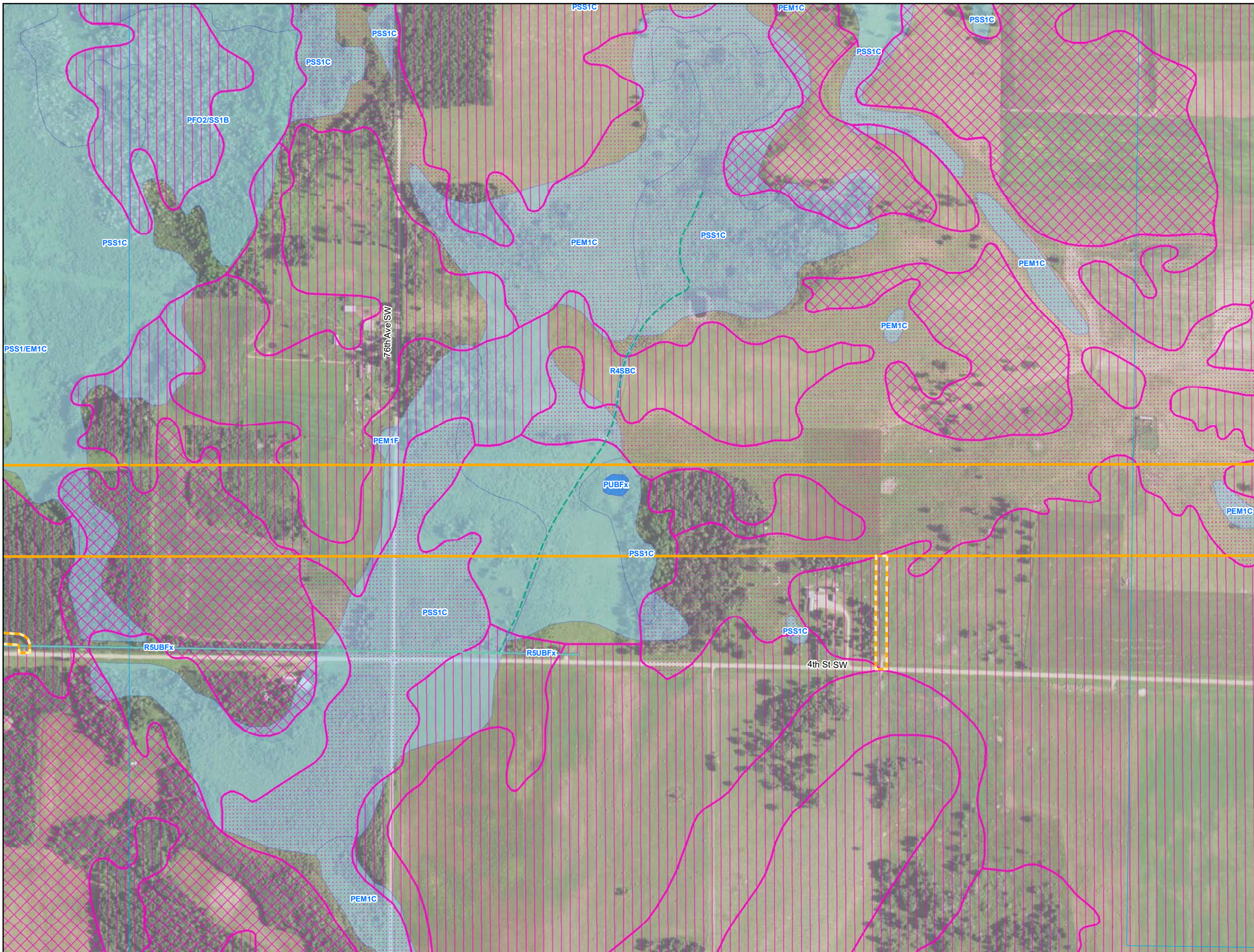
#### Cass County, Minnesota















September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Wetland\_20180631\MINTH04\_Waterbody\_20180631\MINTH04\_Wetland\_WB\_AppendixC\_MN\_bk1.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 9-7

### Enbridge

### Desktop Environmental Features

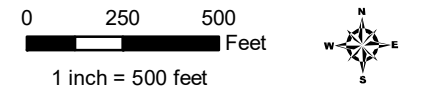
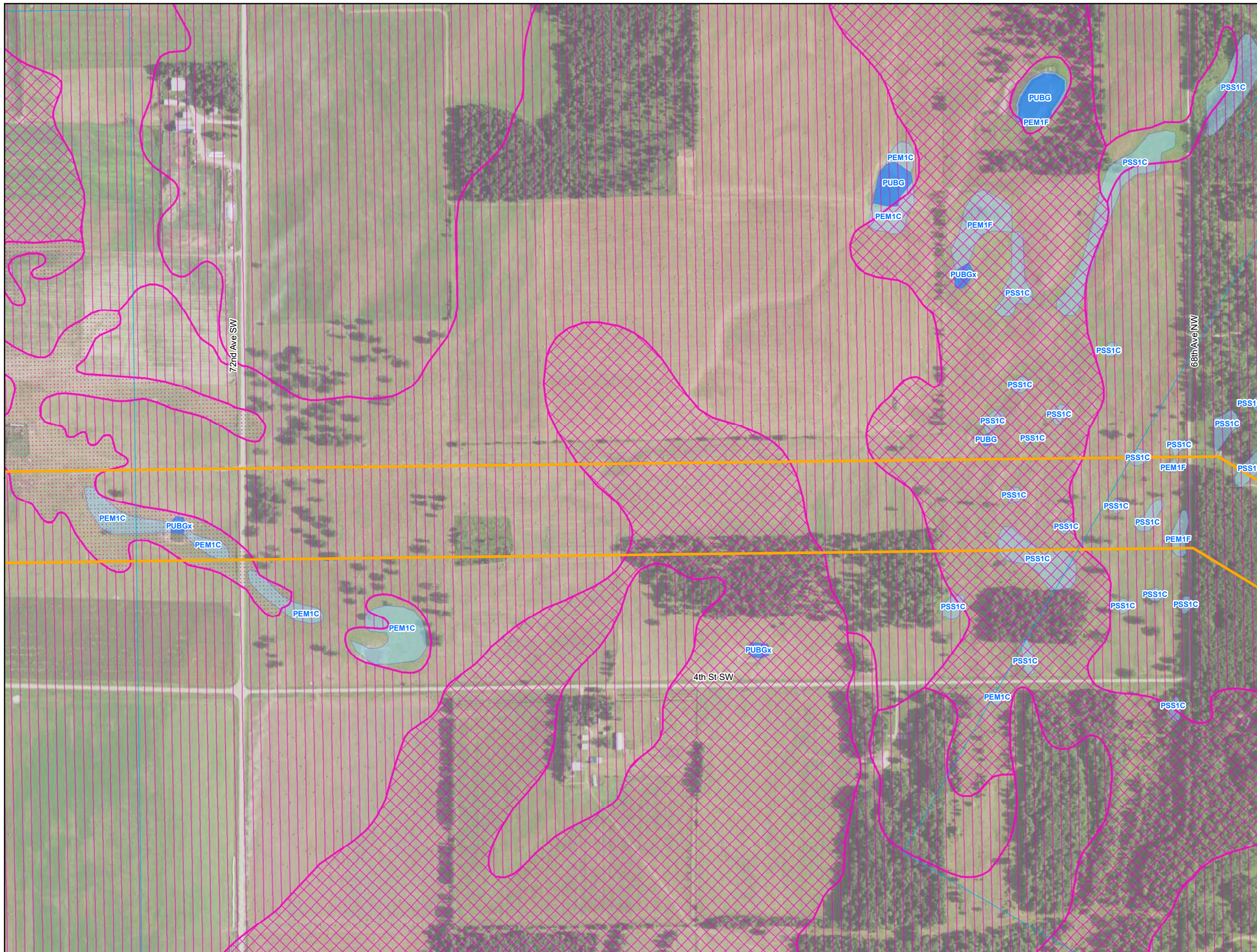
### Cass County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-8

**Enbridge**  
**Desktop Environmental  
Features**

**Cass County, Minnesota**

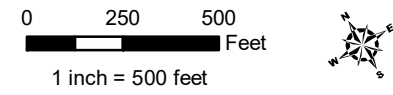
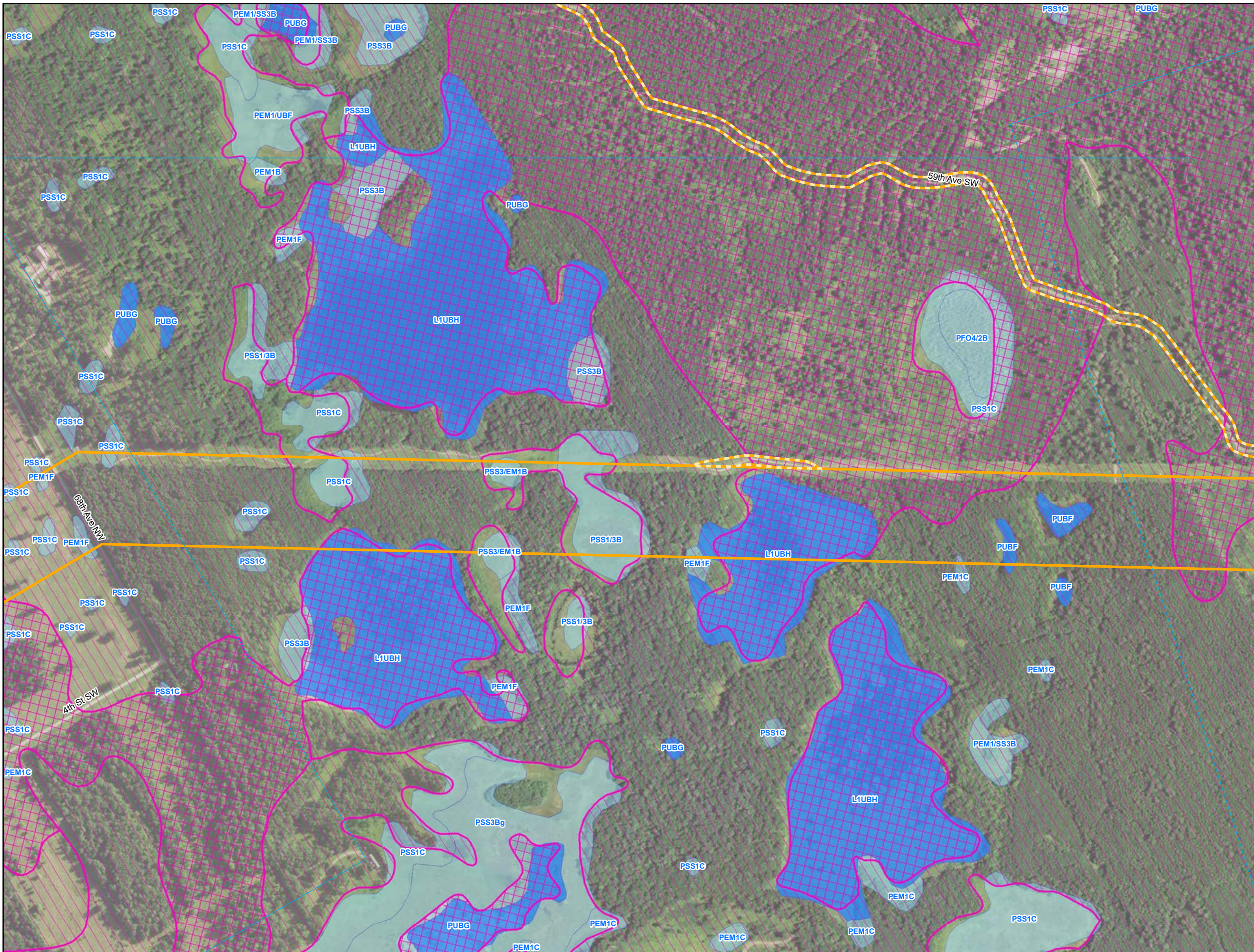














September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MN\_bk1.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 9-9

**Enbridge**

**Desktop Environmental  
Features**

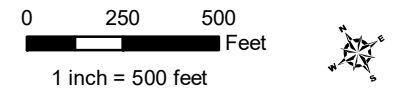
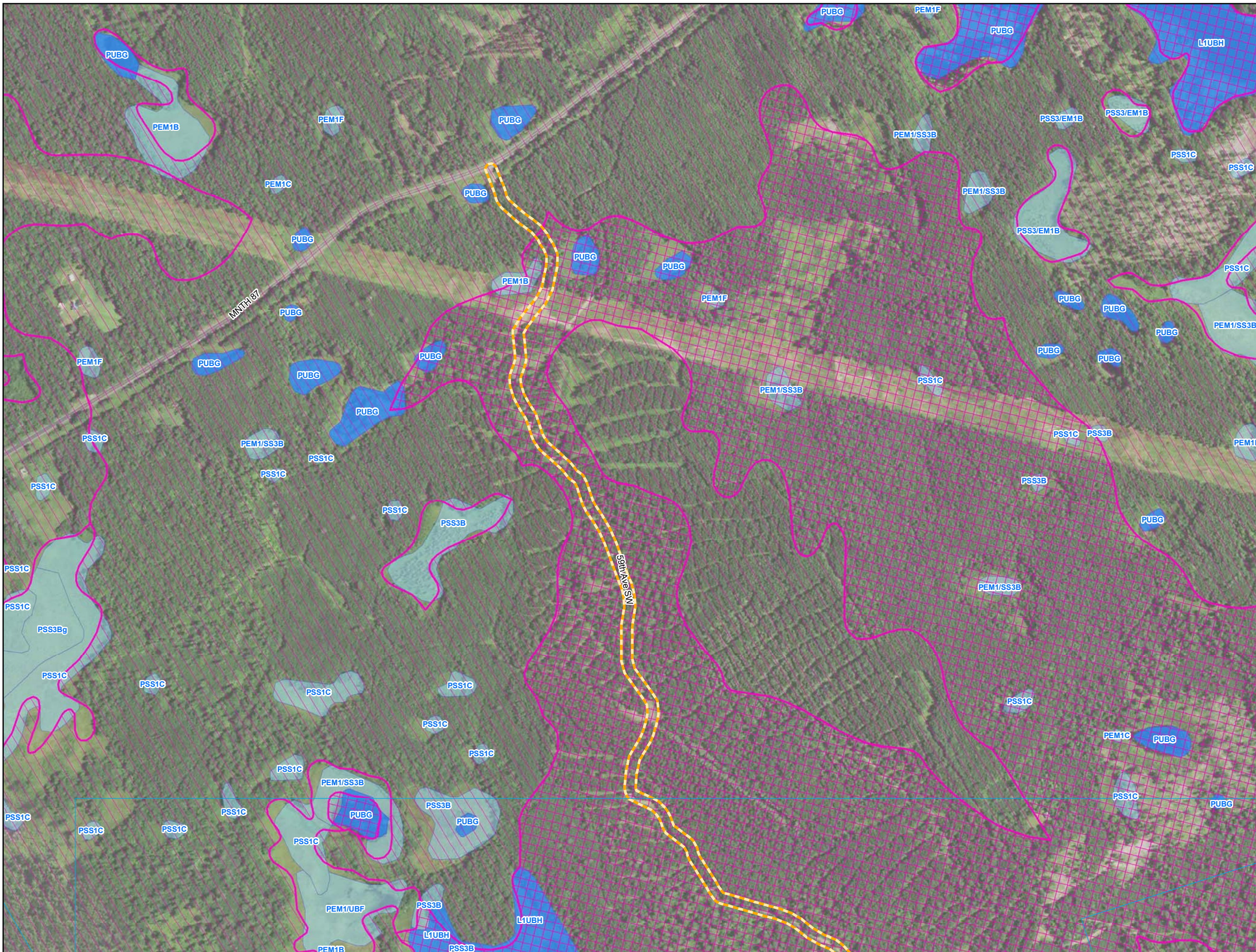
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE\_FHE\enbridge\Line\_3\_Full\_Replacement\field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-10**

**Enbridge**

**Desktop Environmental  
Features**

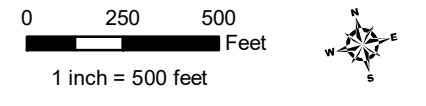
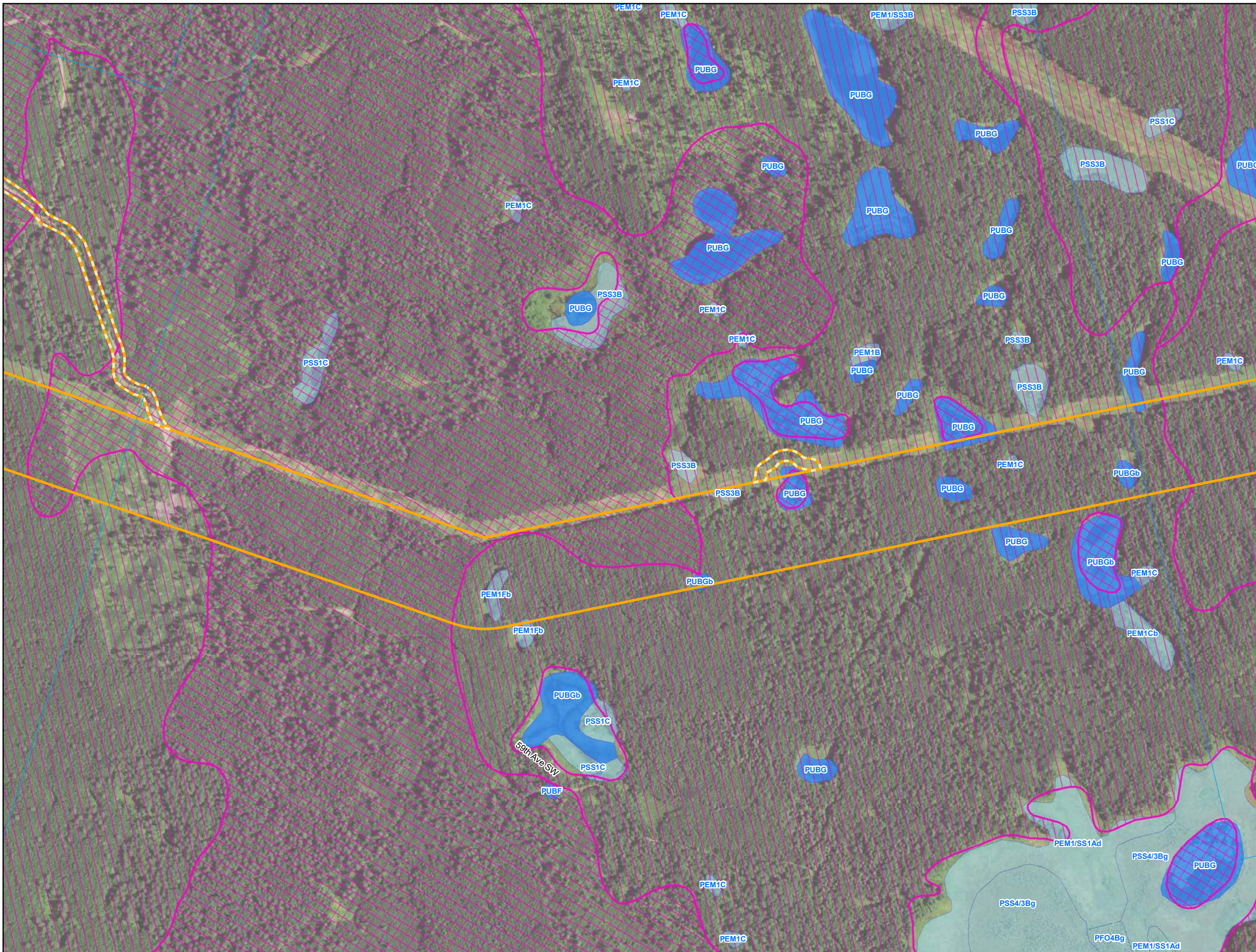
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\E-F\Enbridge\Line\_3\_Full\_Replacement\MapData\Wetland\Wetland\Wetland\WB\_AppendixC\_Min\_Dbs.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 9-11**

**Enbridge**

**Desktop Environmental  
Features**

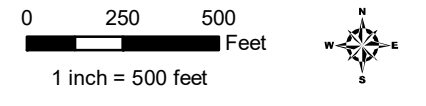
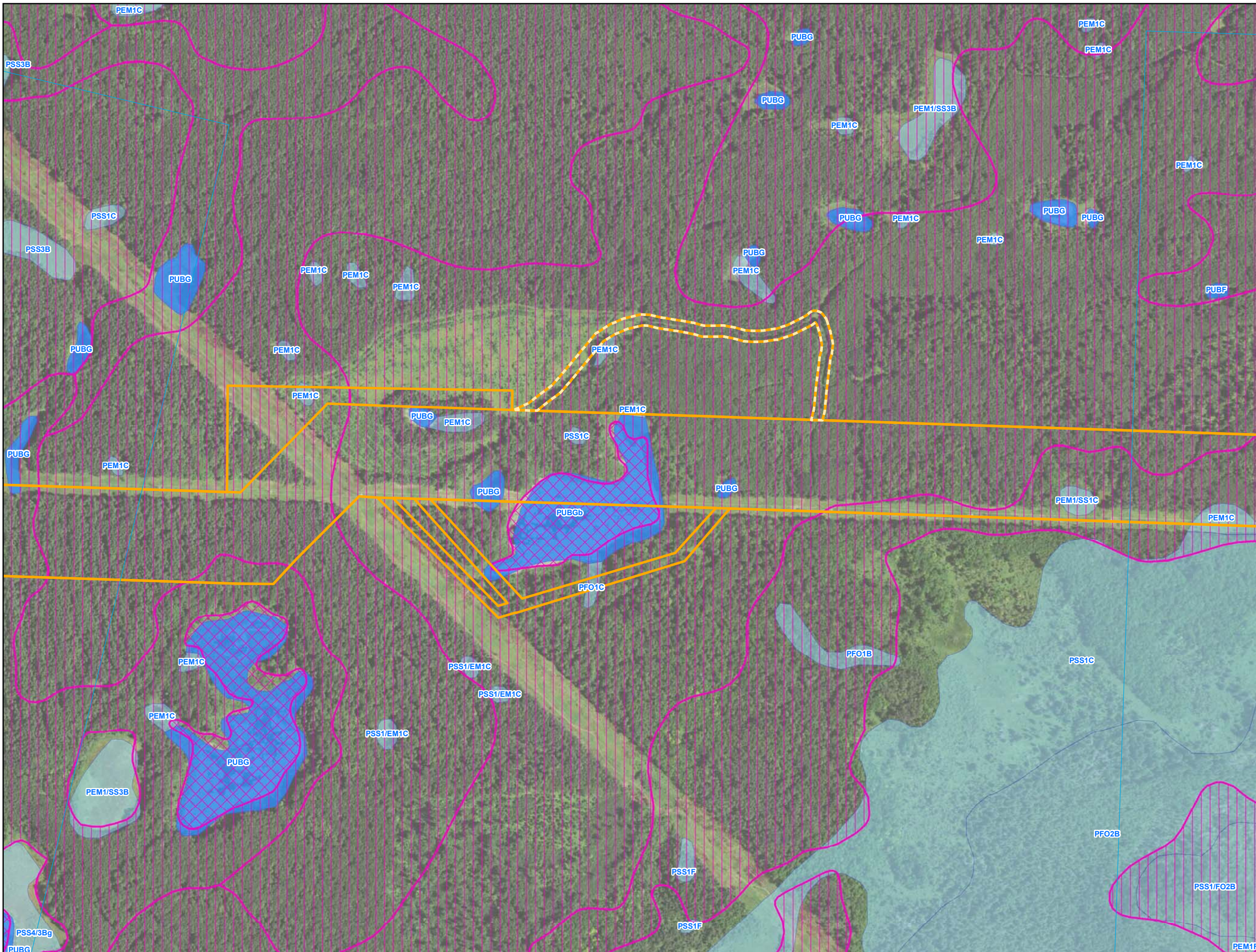
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-12

### Enbridge

#### Desktop Environmental Features

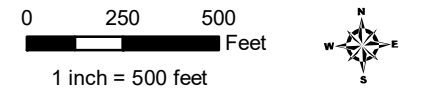
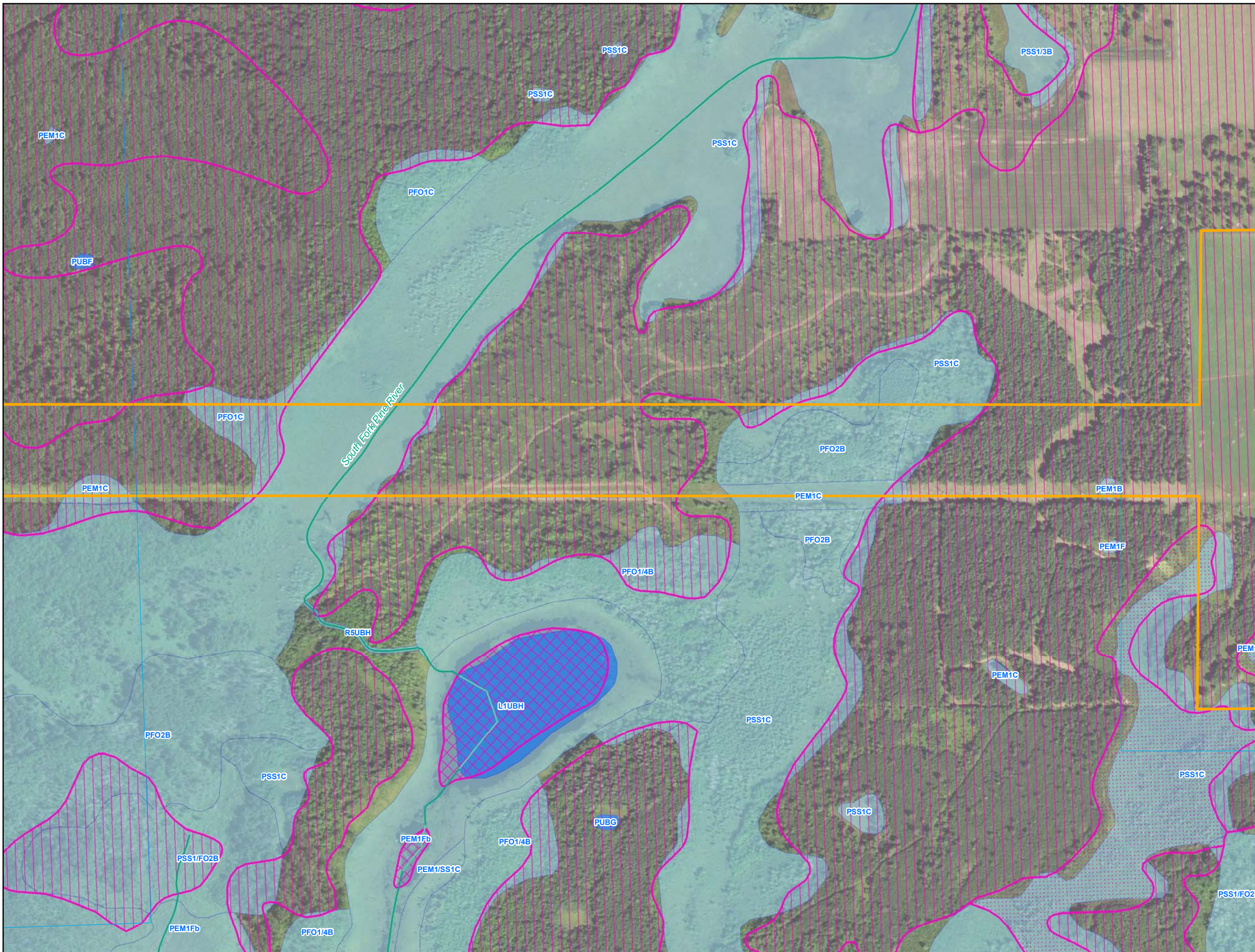
#### Cass County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\enbridge\Line\_3\_Full\_Replacement\field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MIN1\CSR\_Wetland\_WB\_AppendixC\_MIN\_bkgs.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 9-13

**Enbridge**  
**Desktop Environmental  
Features**

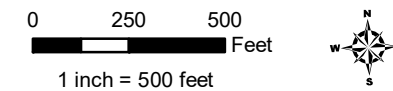
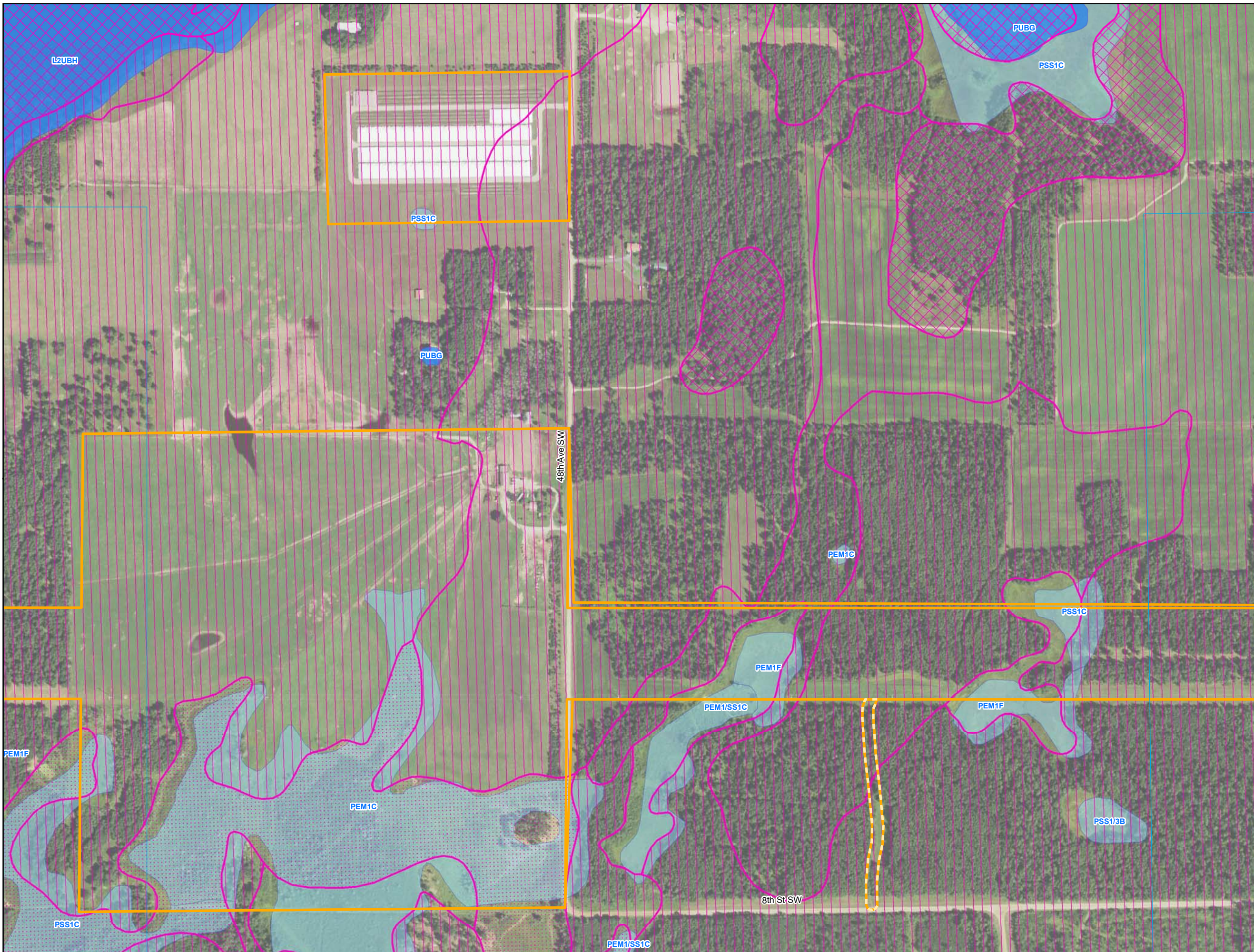
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\Enbridge\_Line\_3\_Full\_Replacement\IEID\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MIN13\SR\_Wetland\_WB\_AppendixC\_MIN\_bkgs.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 9-14**

**Enbridge  
Desktop Environmental  
Features**

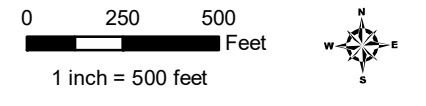
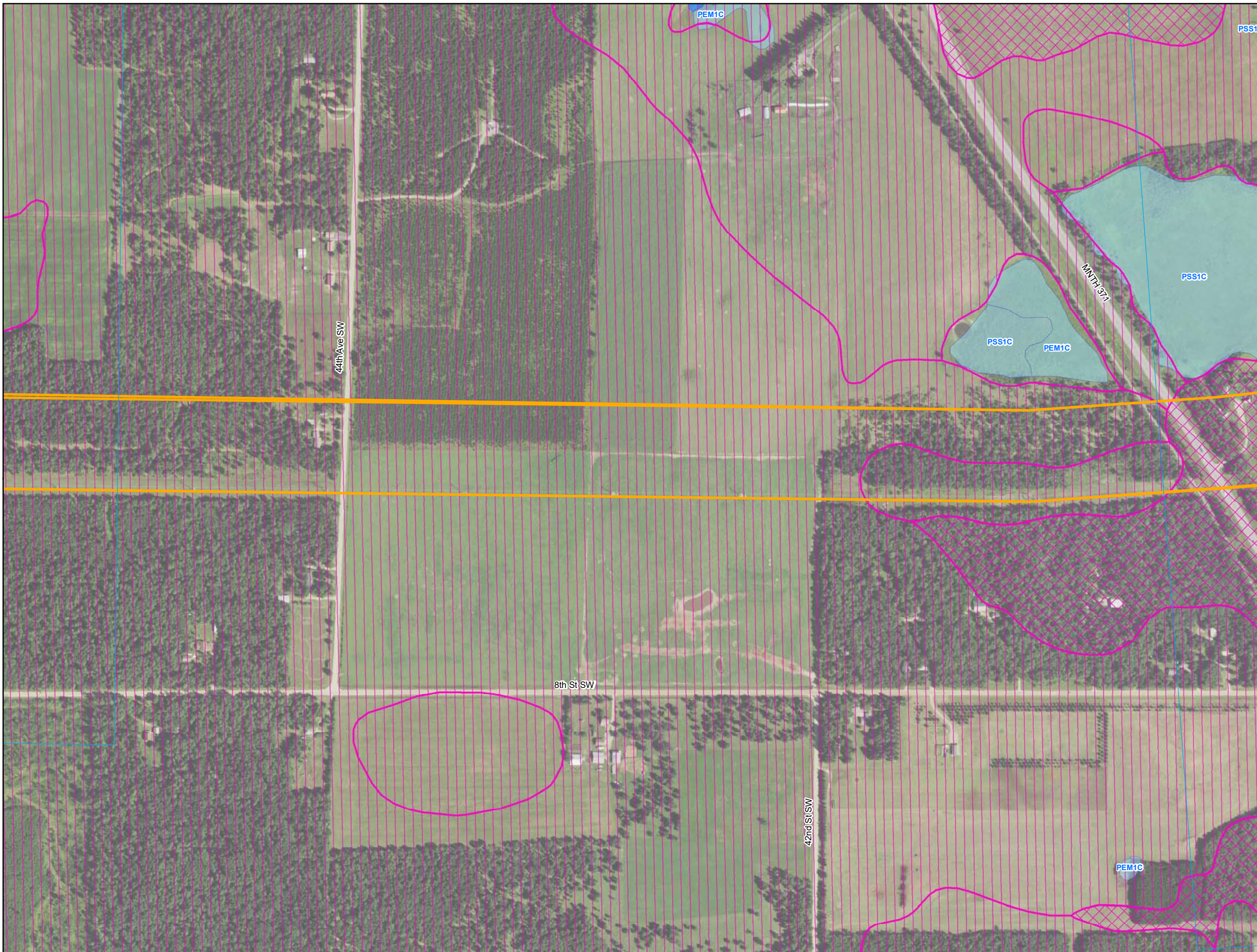
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE\_FHE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MN\_bkgs.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 9-15**

**Enbridge**

**Desktop Environmental  
Features**

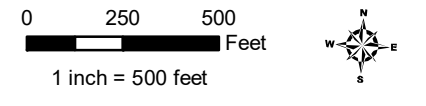
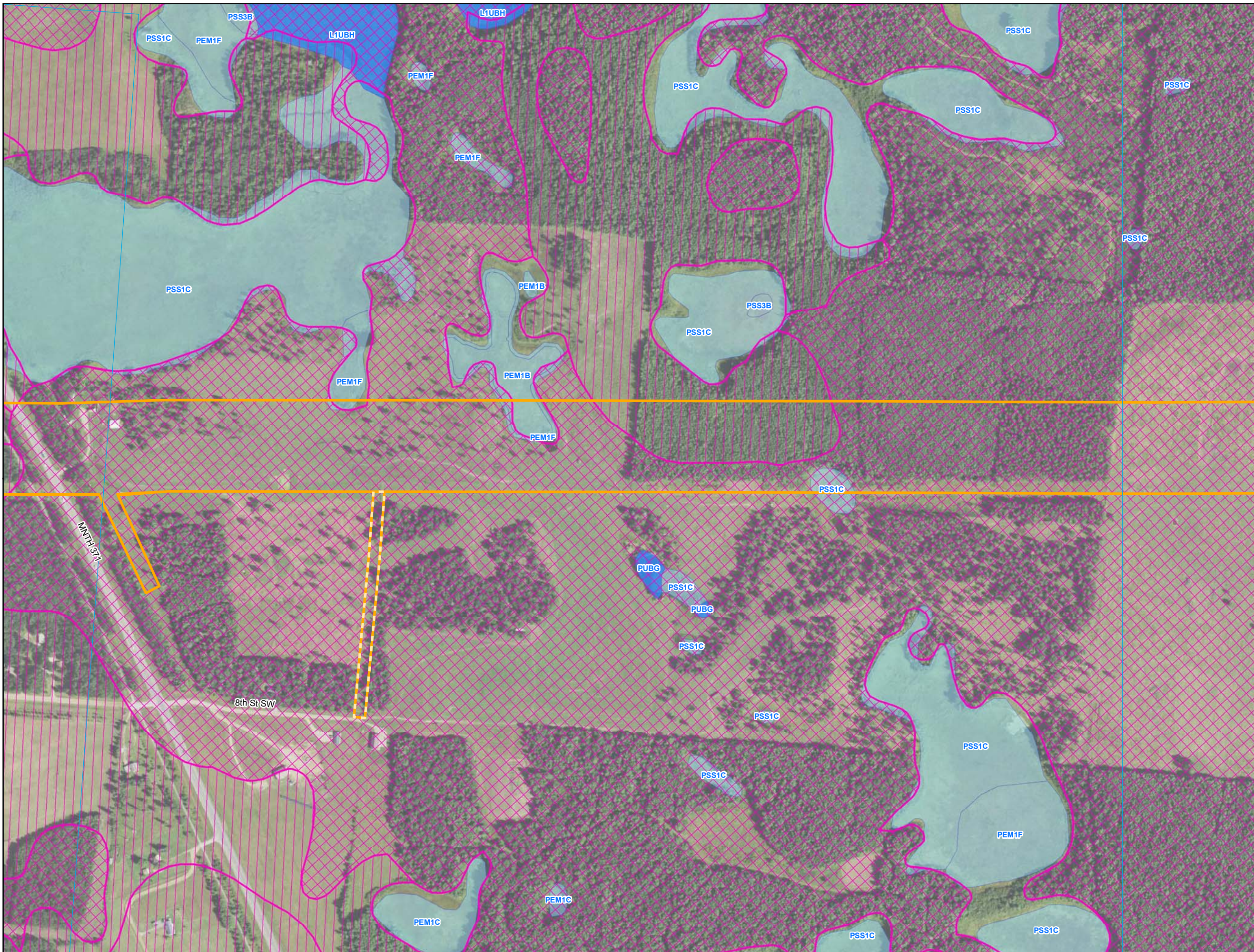
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\enbridge\Line\_3\_Full\_Replacement\field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MN\_bk1.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 9-16**

**Enbridge  
Desktop Environmental  
Features**

**Cass County, Minnesota**

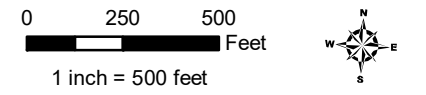
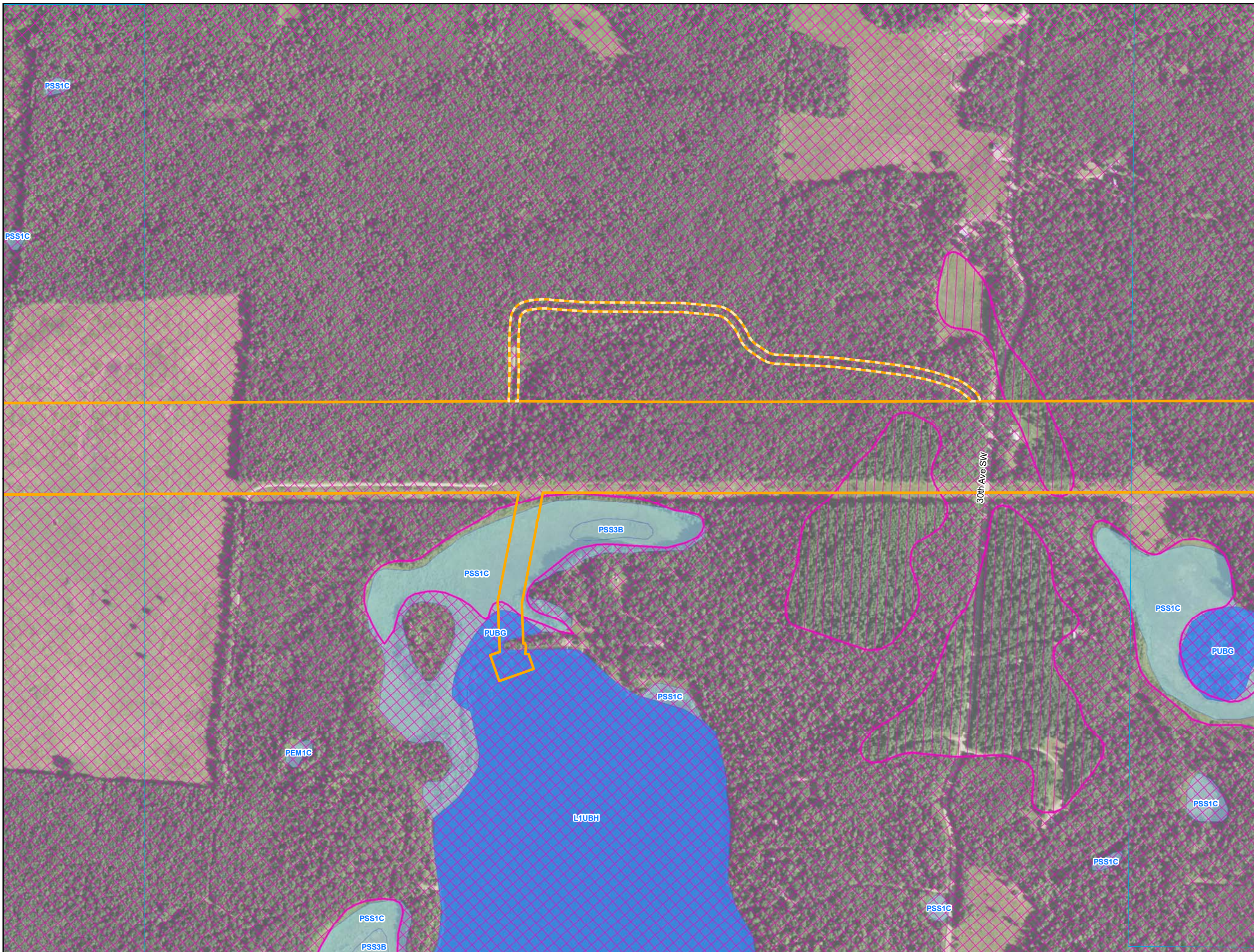


September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\Enbridge\Line\_3\_Full\_ReplacementField\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MT1\CSR\_Wetland\_WB\_AppendixC\_MN\_bk1.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 9-17**

**Enbridge  
Desktop Environmental  
Features**

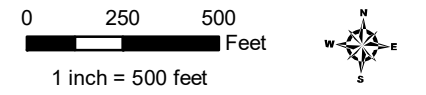
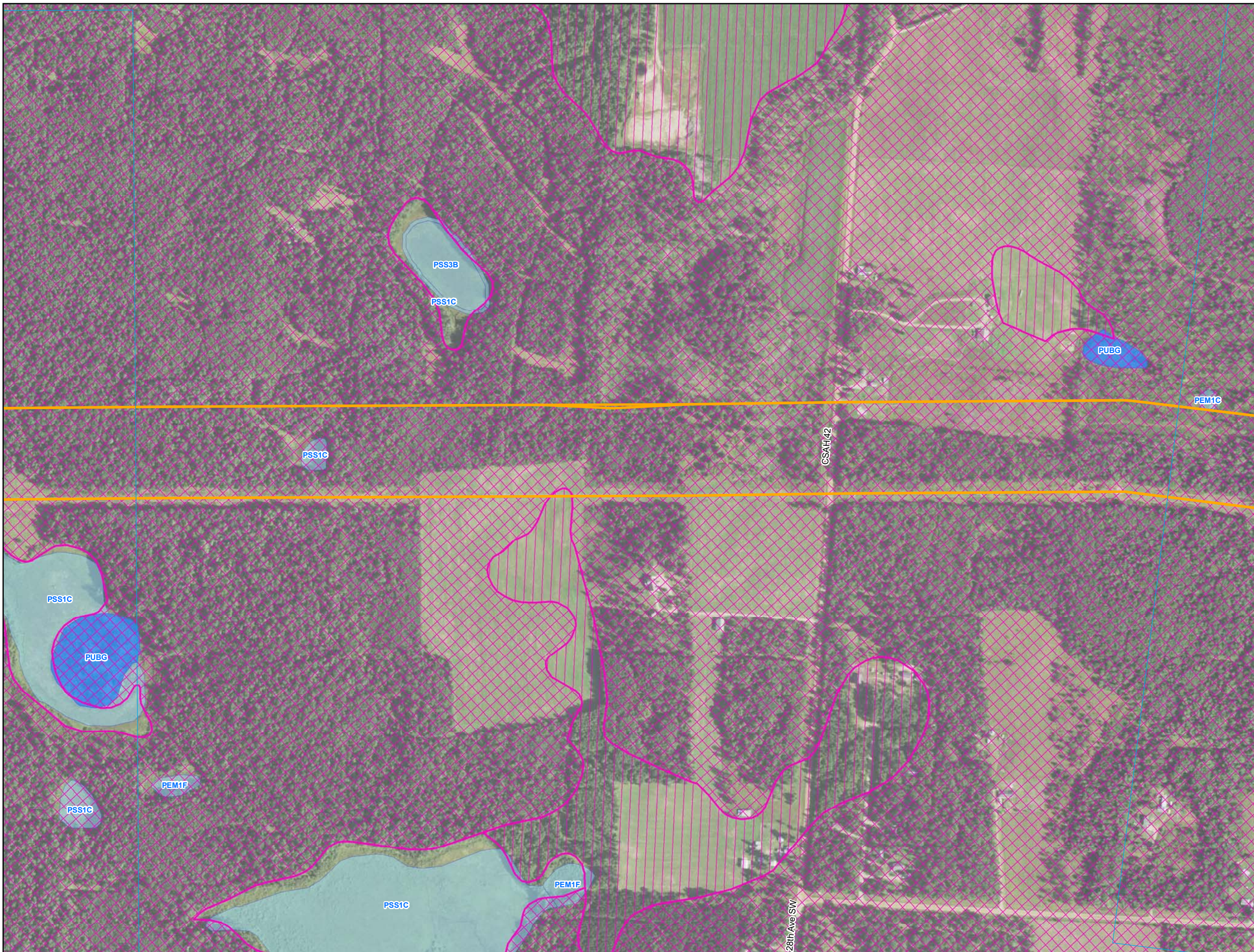
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT1\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-18**

**Enbridge**

**Desktop Environmental  
Features**

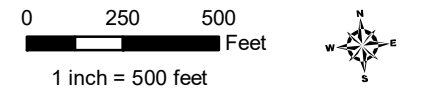
**Cass County, Minnesota**















September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT1\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-19**

**Enbridge**

**Desktop Environmental  
Features**

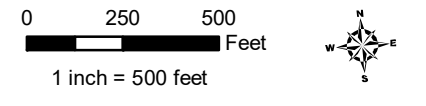
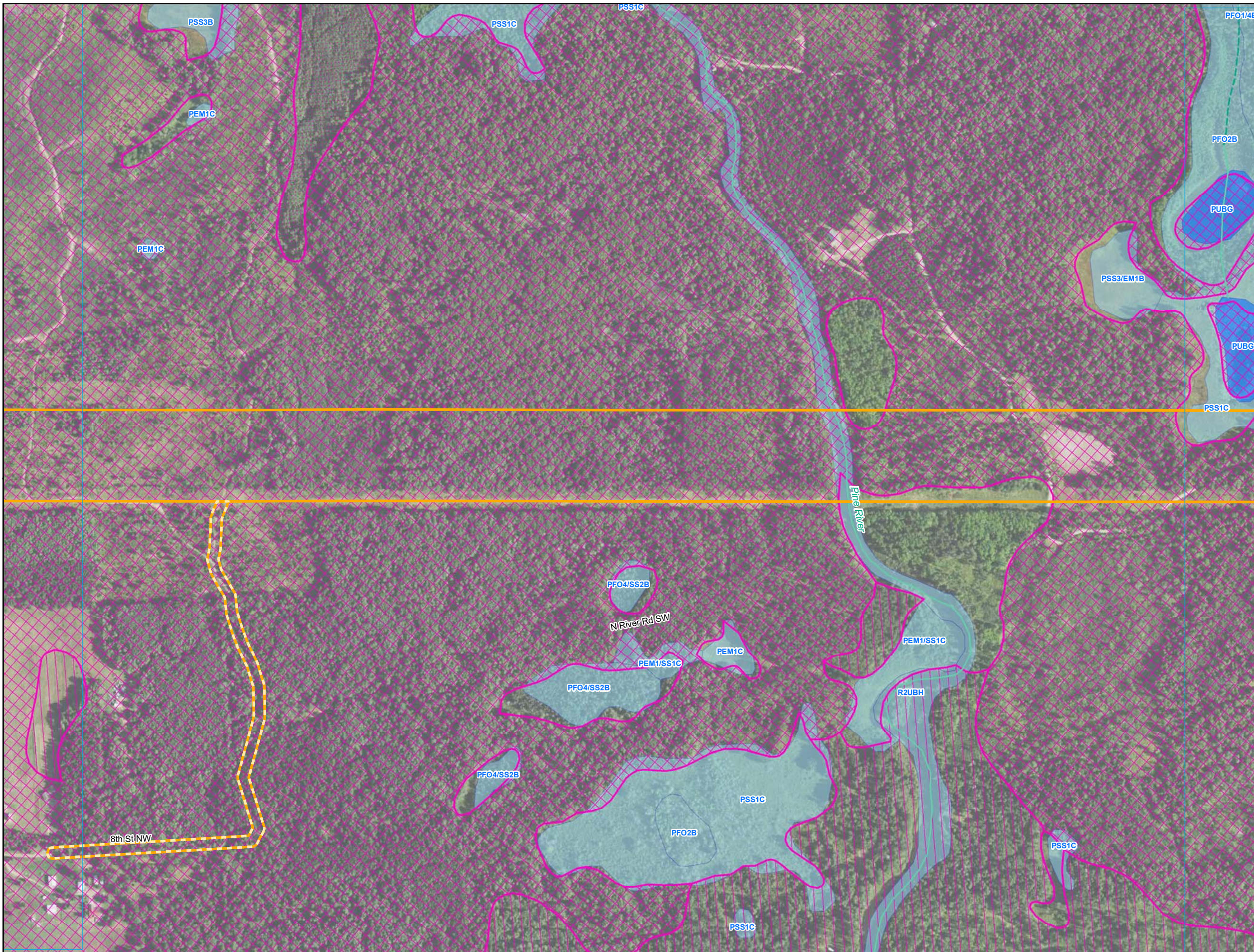
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\enbridge\Line\_3\_Full\_Replacement\field\_Data\enbridge\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_2018060310MNT\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-20**

**Enbridge  
Desktop Environmental  
Features**

**Cass County, Minnesota**

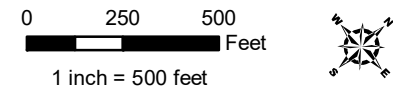
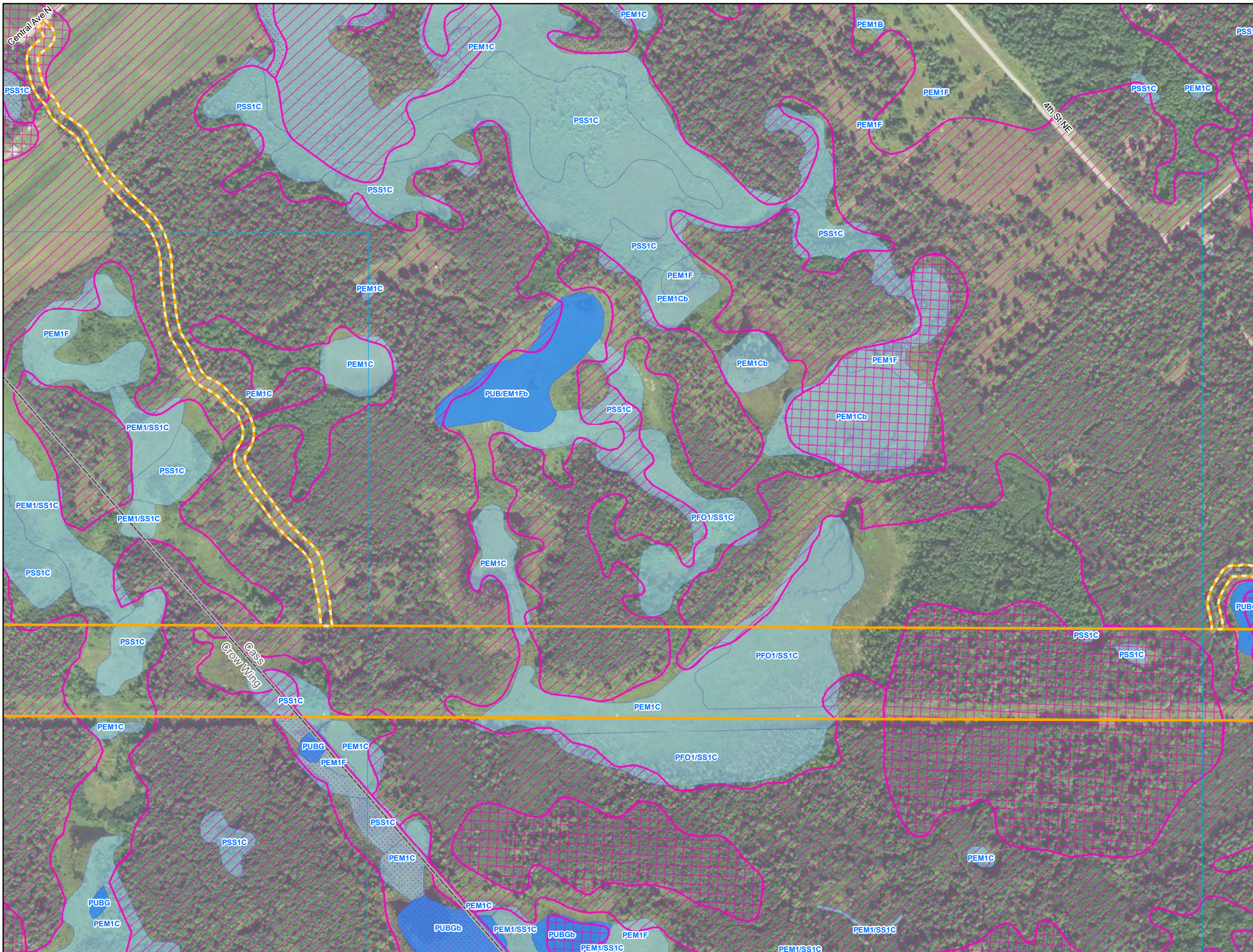


September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\LSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-22

**Enbridge**  
**Desktop Environmental**  
**Features**

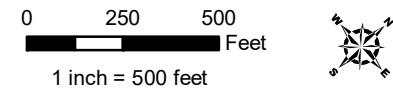
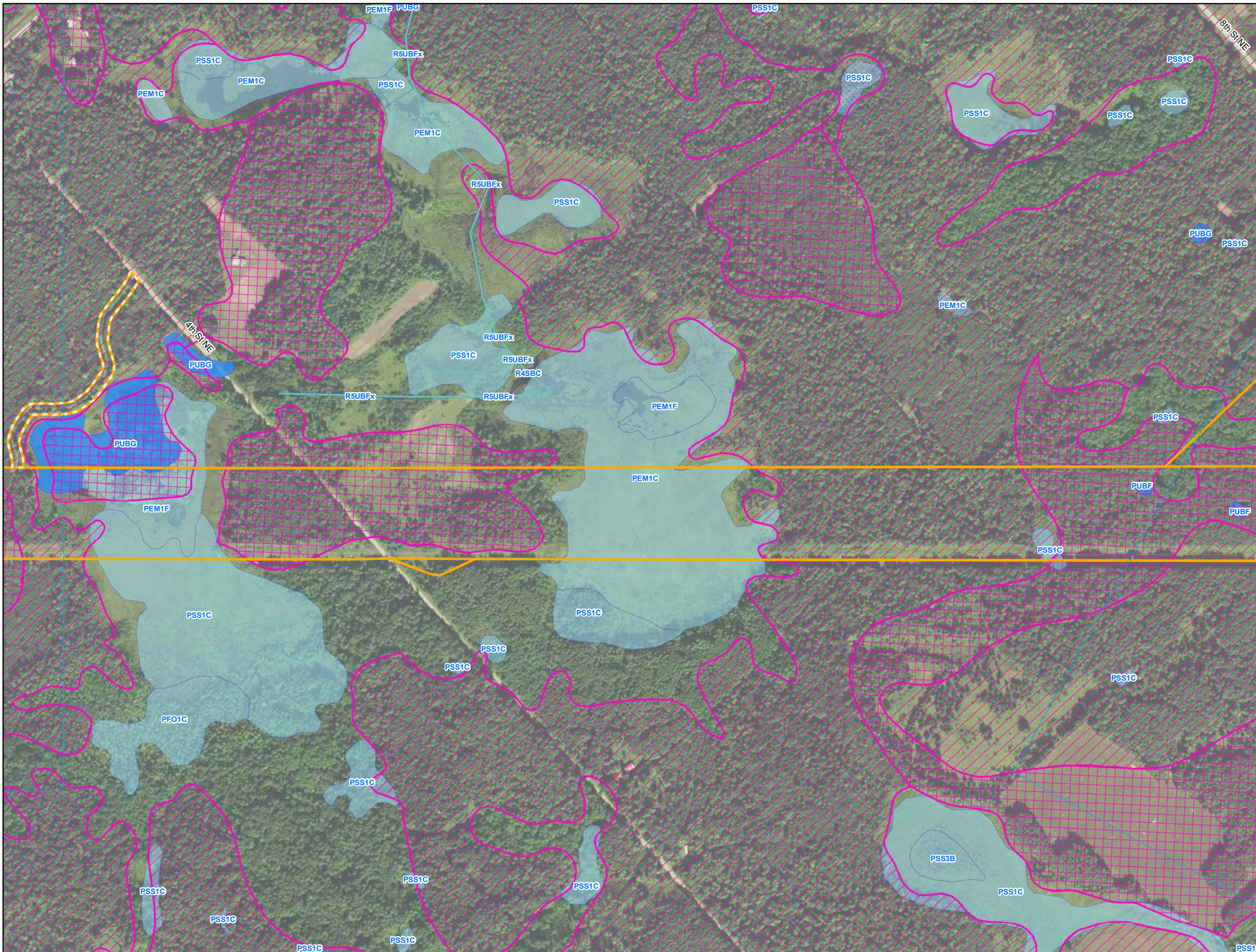
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\Enbridge\Line\_3\_Full\_Replacement\IEID\_Data\Wetland\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT1\CSR\_Wetland\_WB\_AppendixC\_MM\_bk.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 9-23**

**Enbridge**

**Desktop Environmental  
Features**

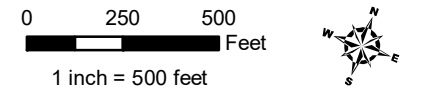
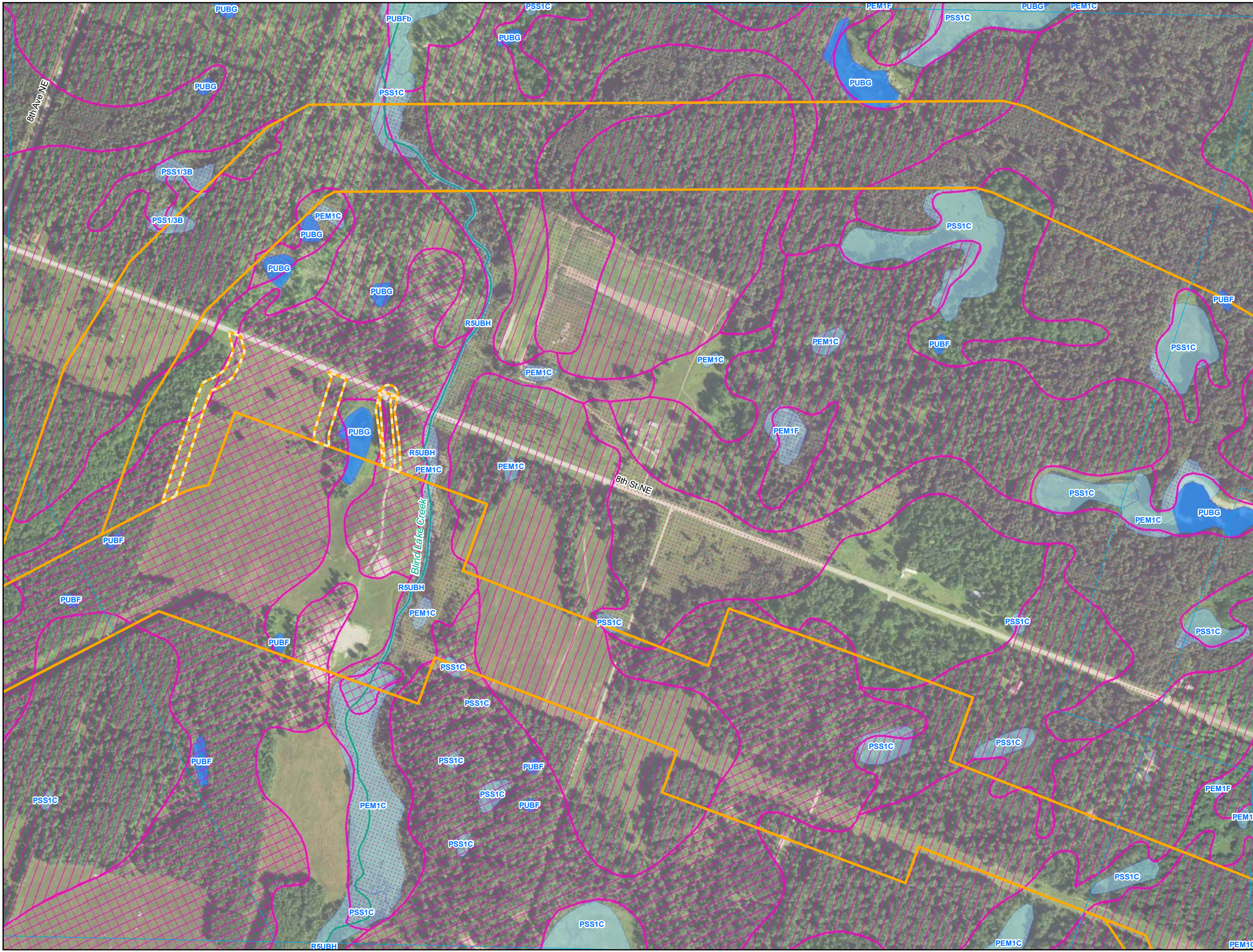
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE\_FHE\Enbridge\Line\_3\_Full\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_2018060310MNT\LSR\_Wetland\_WB\_AppendixC\_MN\_bk1.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 9-24**

**Enbridge**

**Desktop Environmental  
Features**

**Cass County, Minnesota**

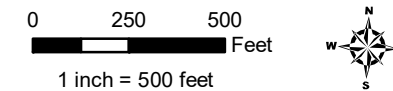
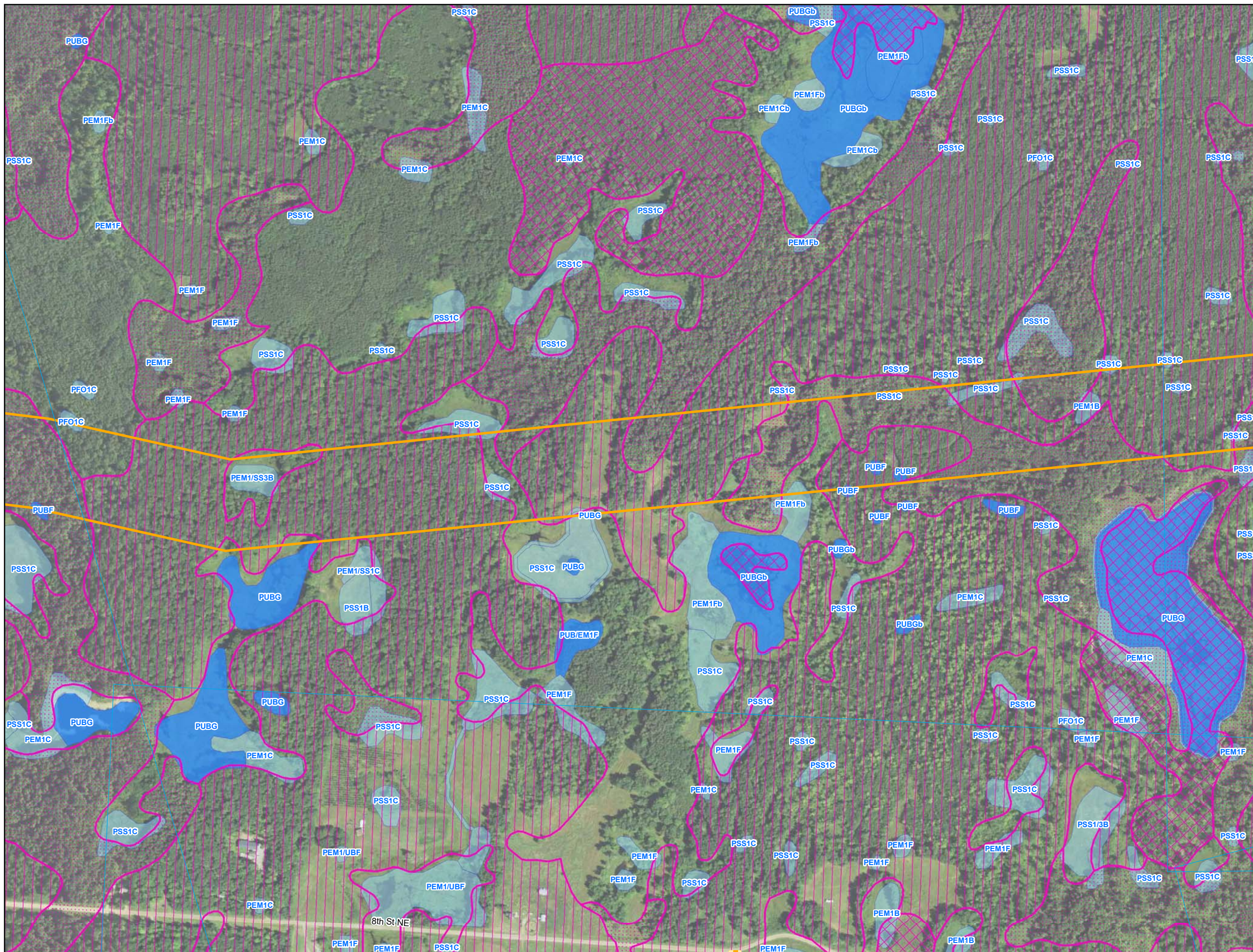


September 2018

For Environmental Review Purposes Only

Source: \\Clients\IE\_FIE\enbridge\Line\_3\_Full\_Replacement\MapData\Waterbody\Reports\Wetland\_Waterbody\_2018060310MNT\CSR\_Wetland\_WB\_AppendixC\_MN\_bkgs.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 9-25

### Enbridge

#### Desktop Environmental Features

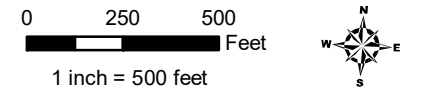
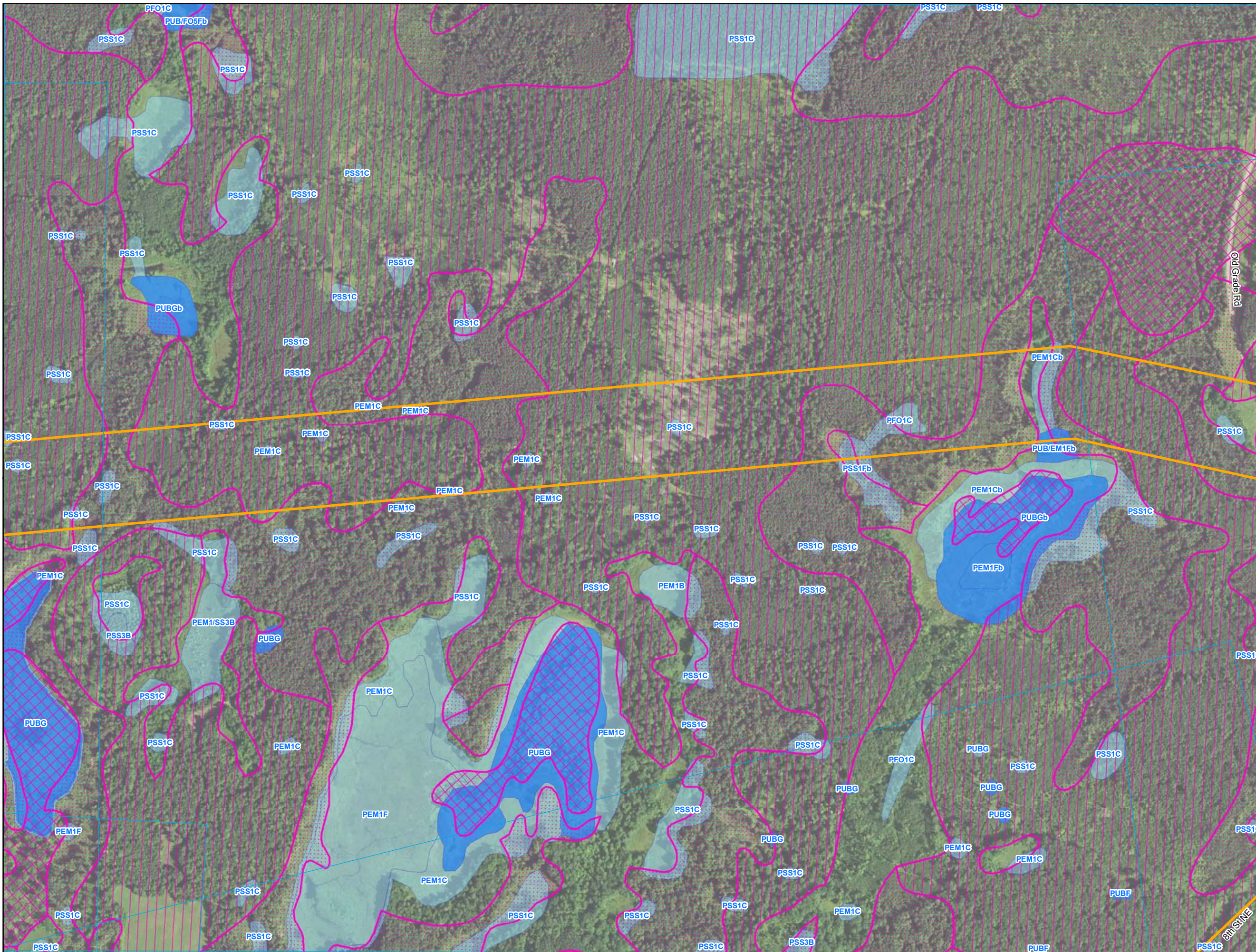
#### Cass County, Minnesota



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE\_FHE\Enbridge\Line\_3\_Full\_Replacement\IEID\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MIN1\LSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-26**

**Enbridge  
Desktop Environmental  
Features**

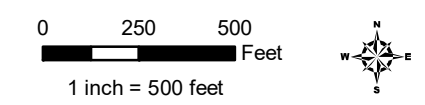
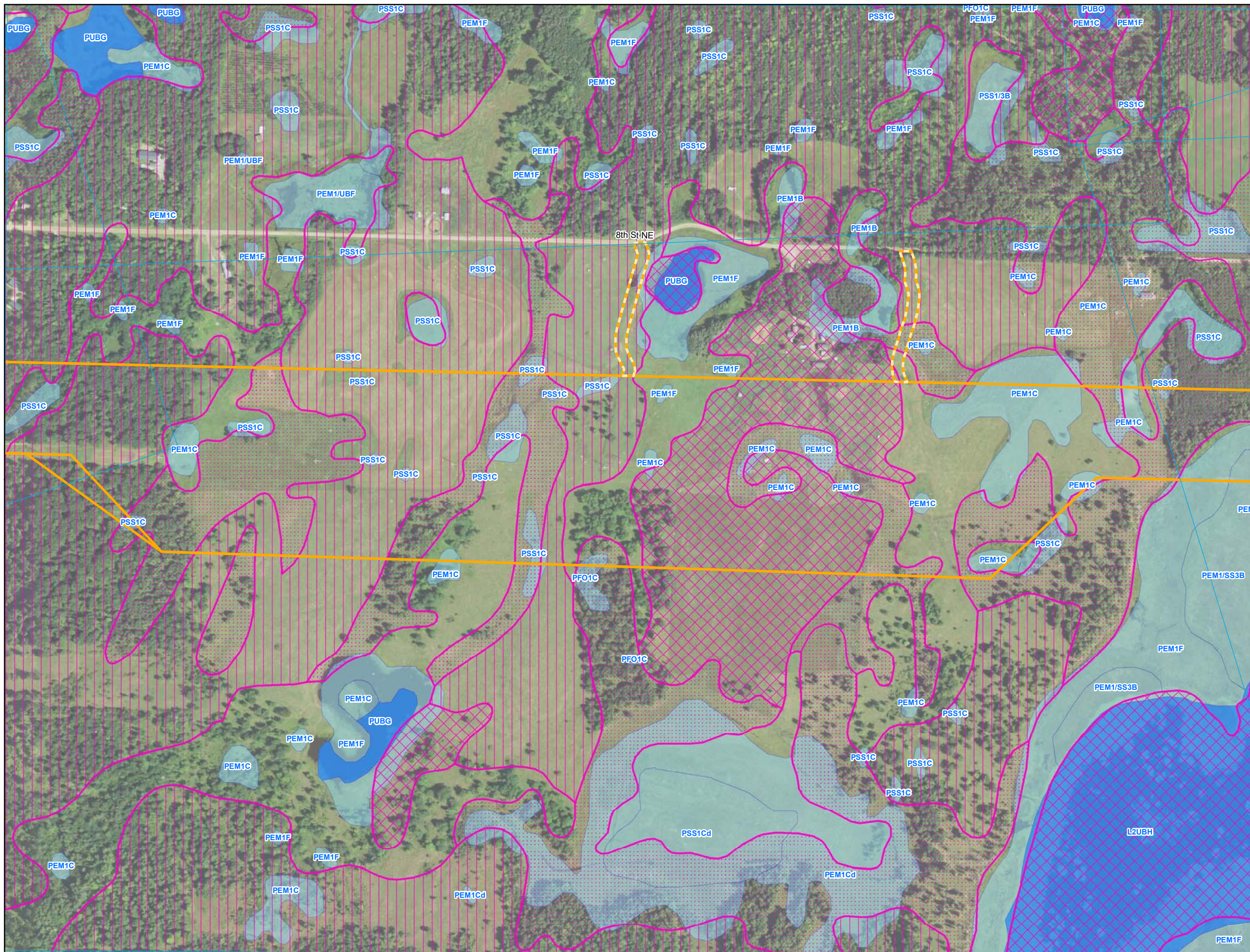
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT13\LR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-27

### Enbridge

#### Desktop Environmental Features

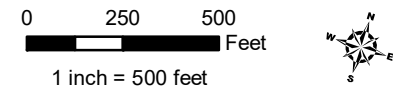
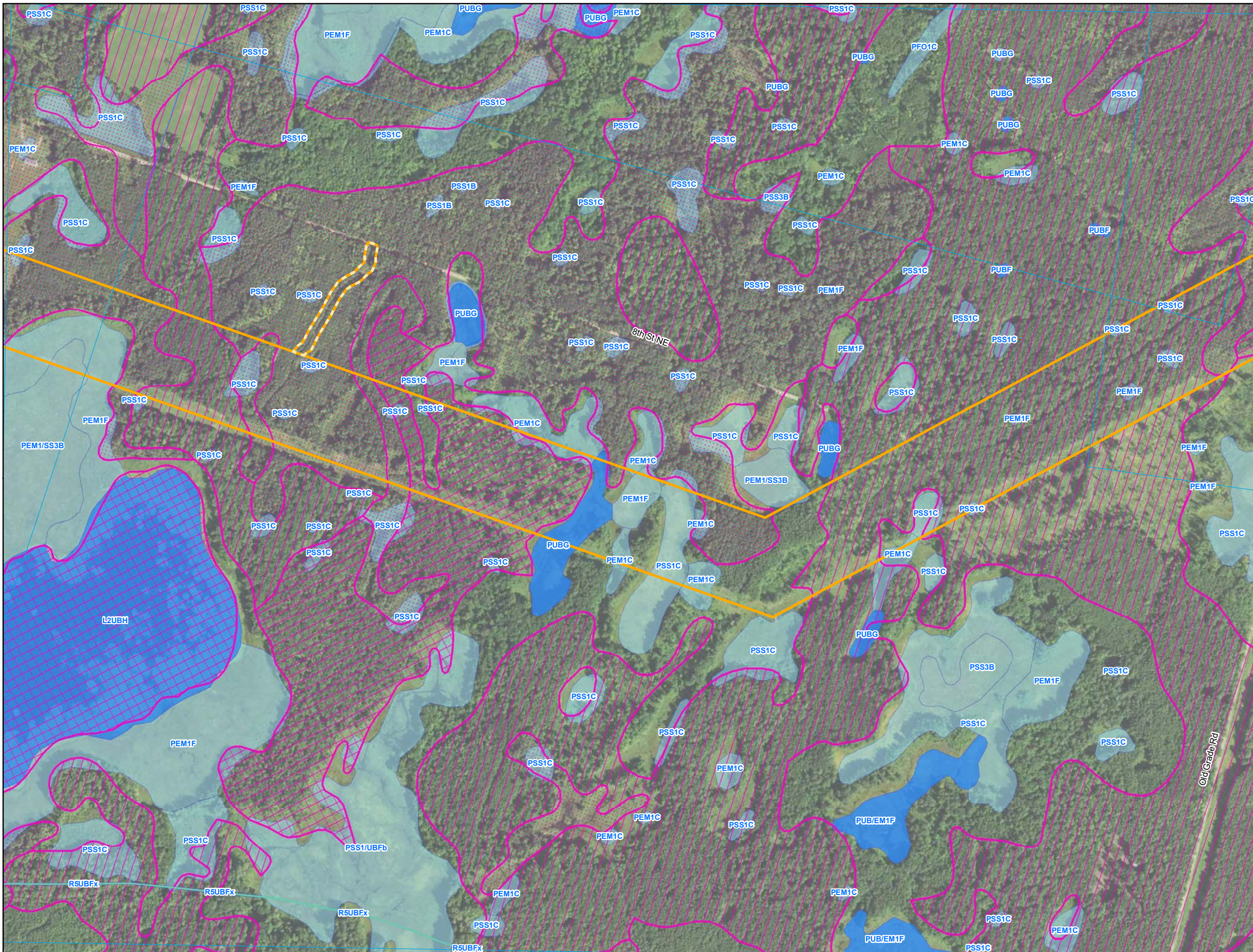
#### Cass County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\Enbridge\_Line\_3\_Full\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\AppendixC\_MM\_bkgs.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 9-28

**Enbridge**  
**Desktop Environmental  
Features**

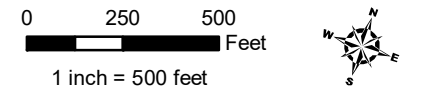
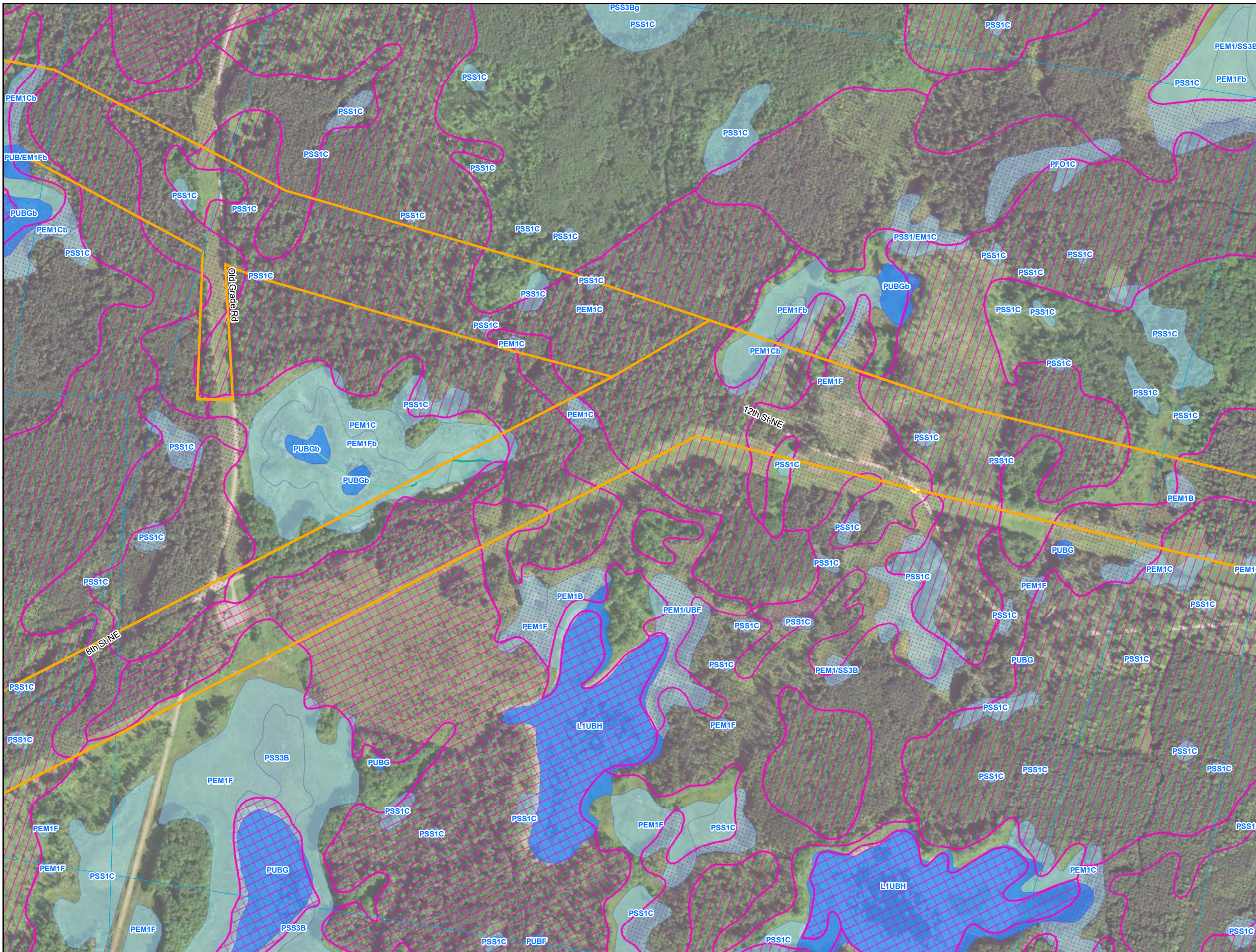
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reposits\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-29

**Enbridge**

**Desktop Environmental  
Features**

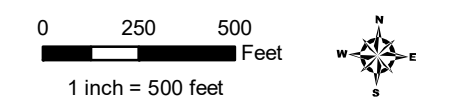
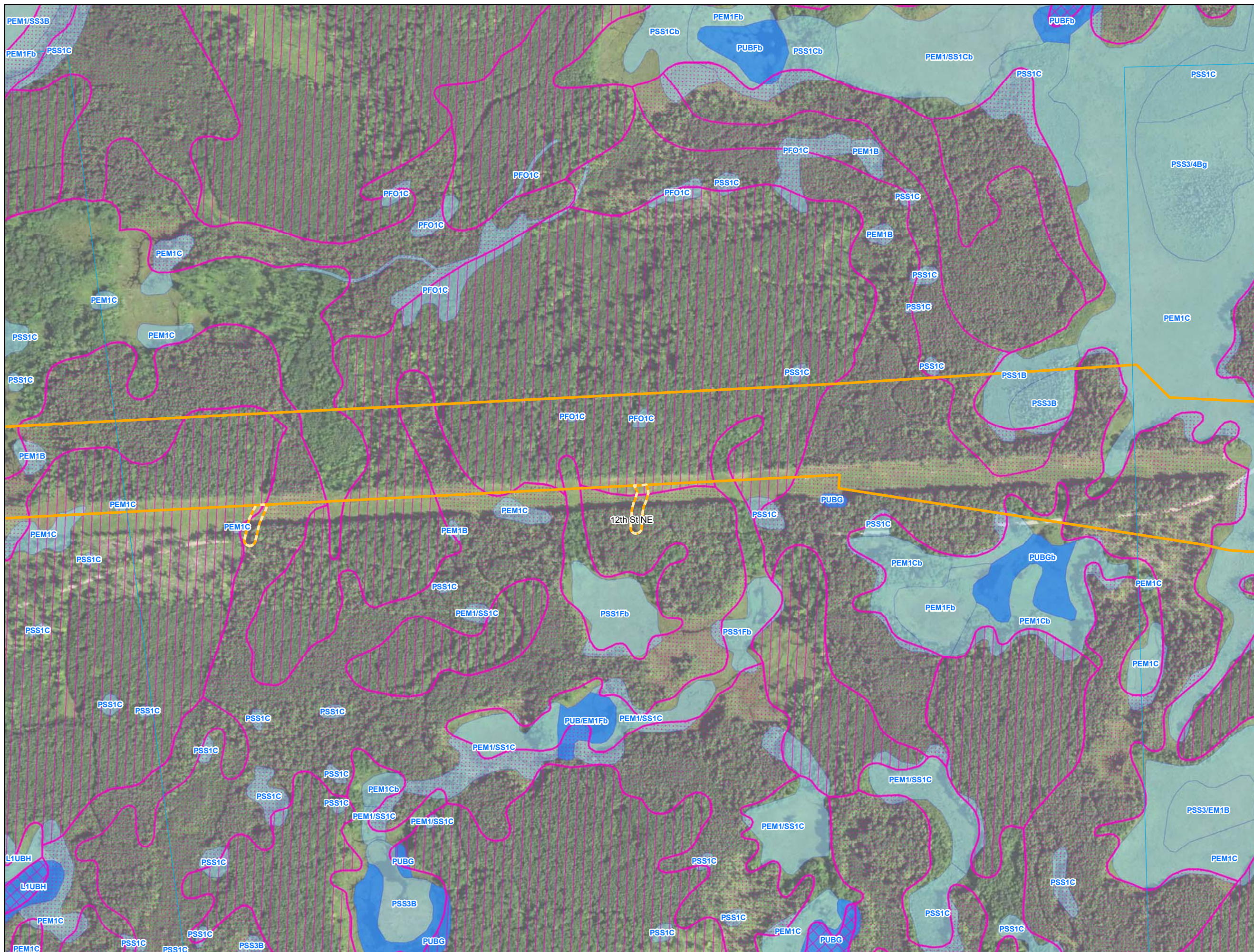
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\EnbridgeLine\_3\_Full\_ReplacementField\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MT1\CSR\_Wetland\_WB\_AppendixC\_MN\_bk1.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 9-30**

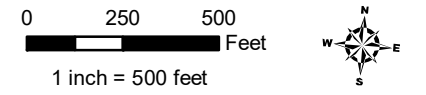
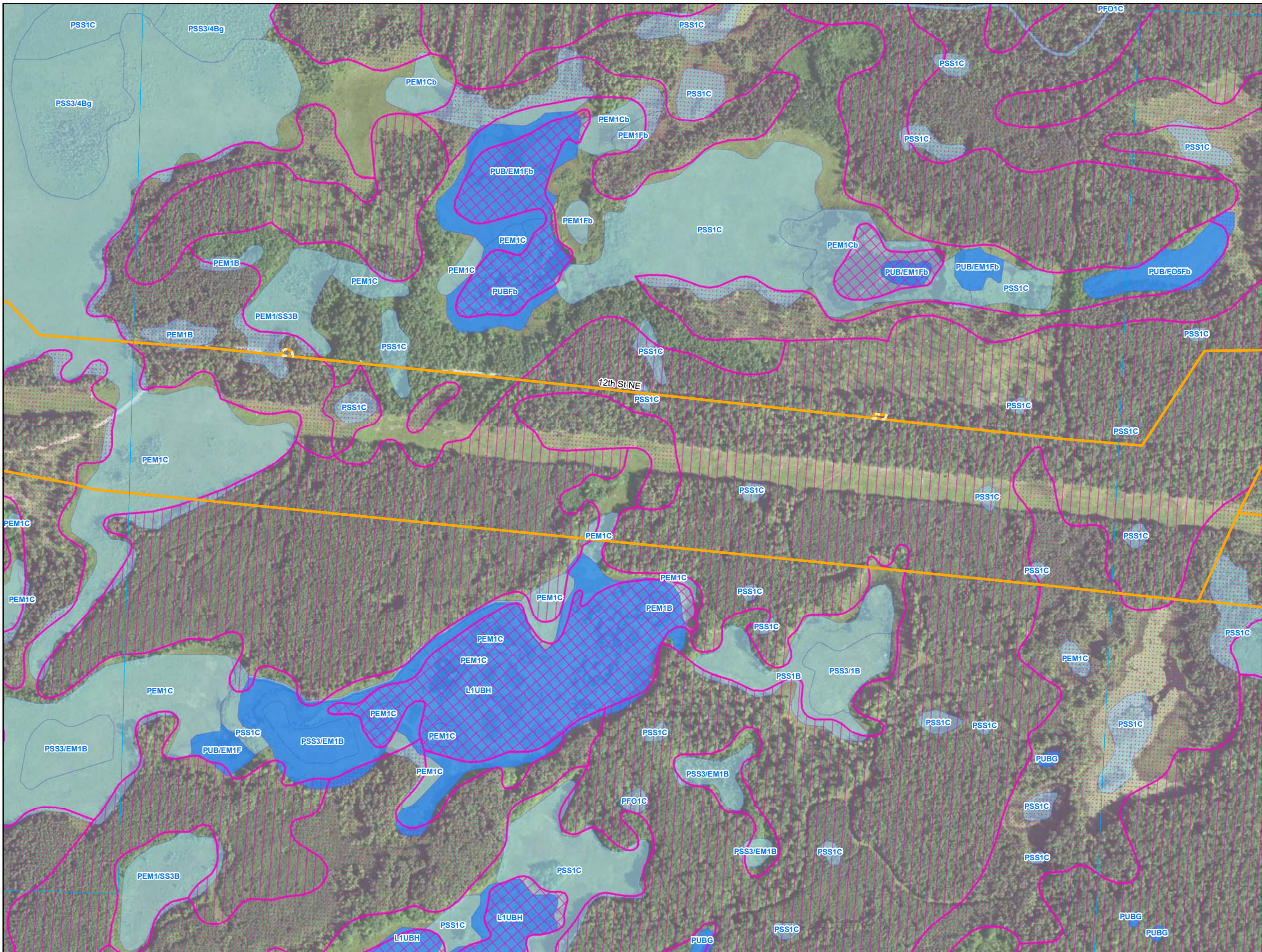
**Enbridge  
Desktop Environmental  
Features  
Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\ENR\Enbridge\Line\_3\_Full\_Replacement\MapData\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\Map\Line3R\_Wetland\_WB\_AppendixC\_MM\_bk1.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 9-31

### Enbridge Desktop Environmental Features Cass County, Minnesota



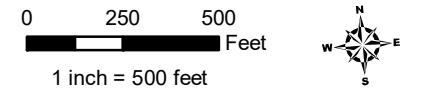
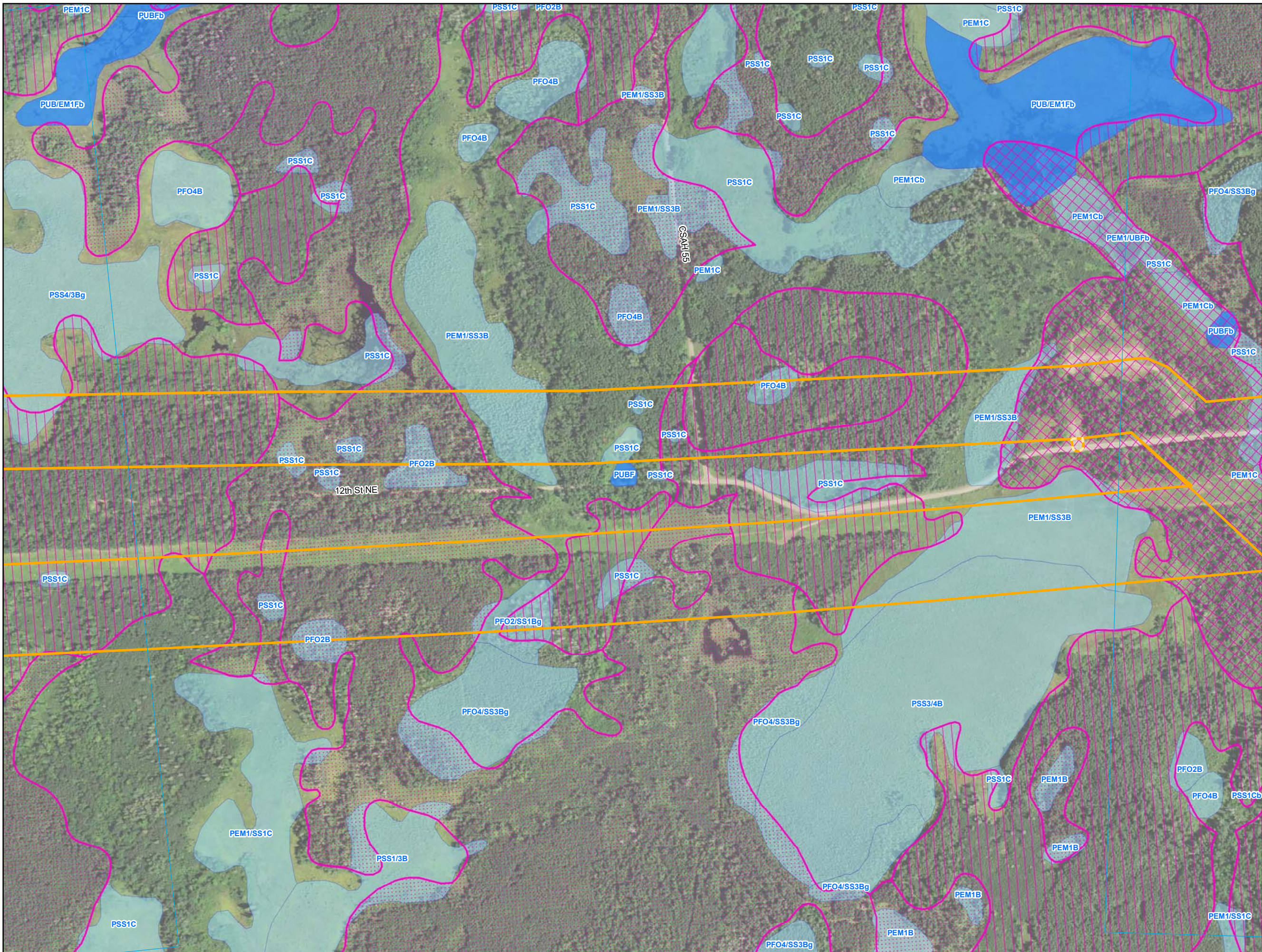
September 2018

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 9-33

**Enbridge**

**Desktop Environmental  
Features**

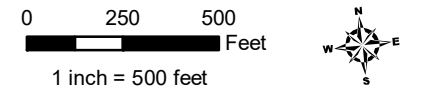
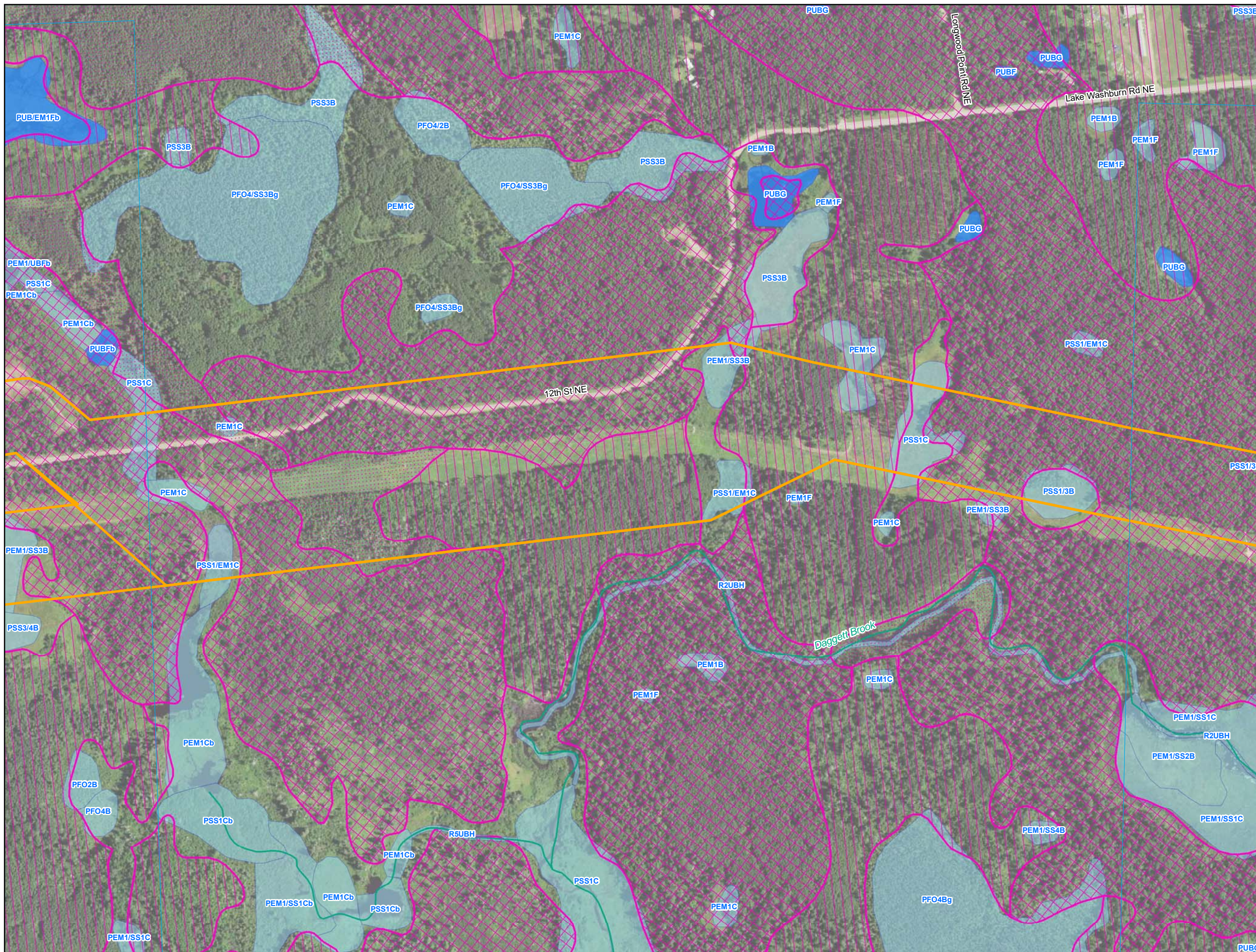
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\EnbridgeLine\_3\_Full\_ReplacementField\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MT1\CSR\_Wetland\_WB\_AppendixC\_MN\_bk1.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 9-34**

**Enbridge  
Desktop Environmental  
Features**

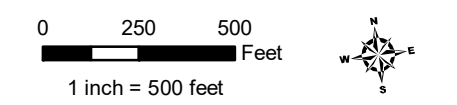
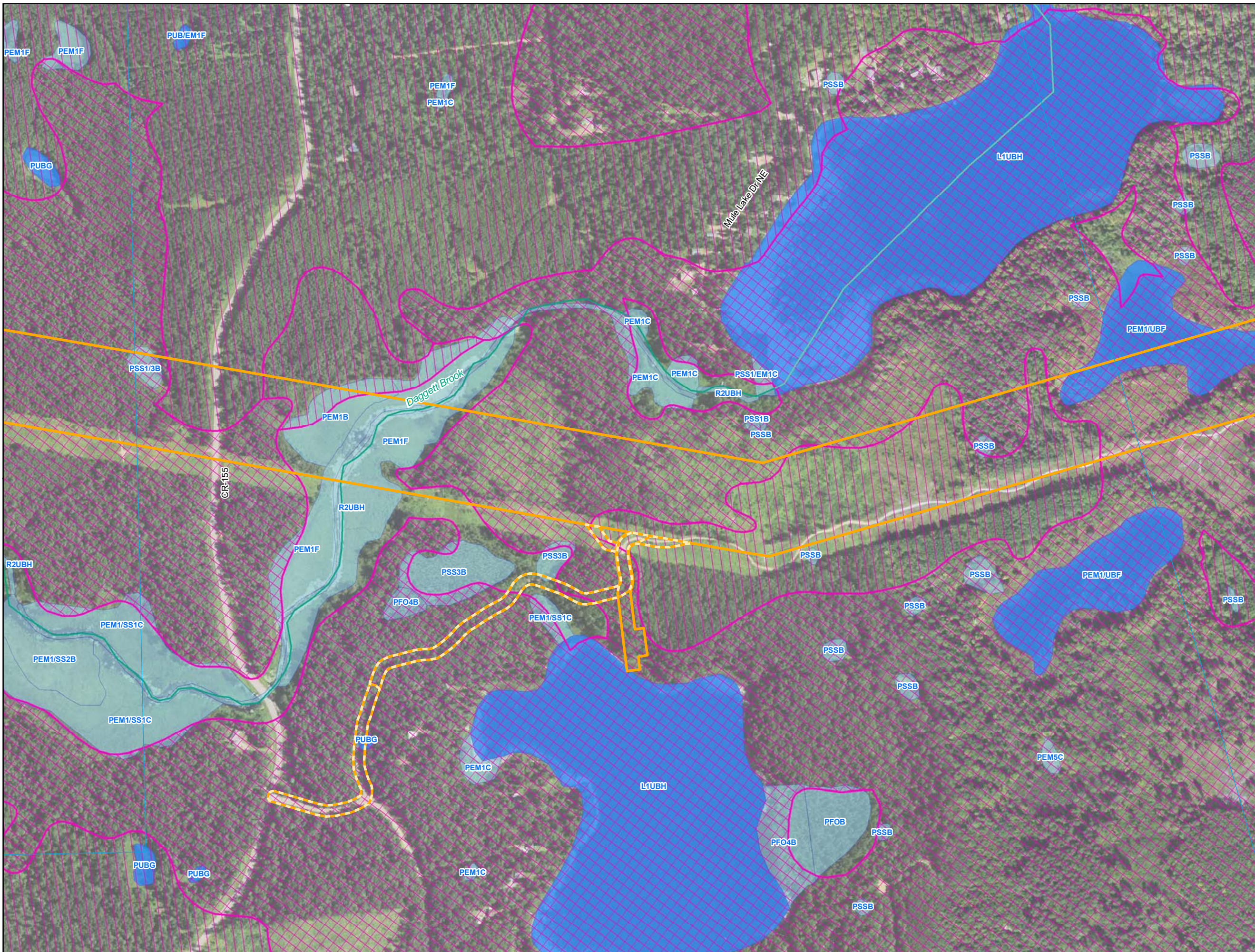
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-35**

**Enbridge**

**Desktop Environmental Features**

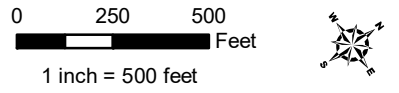
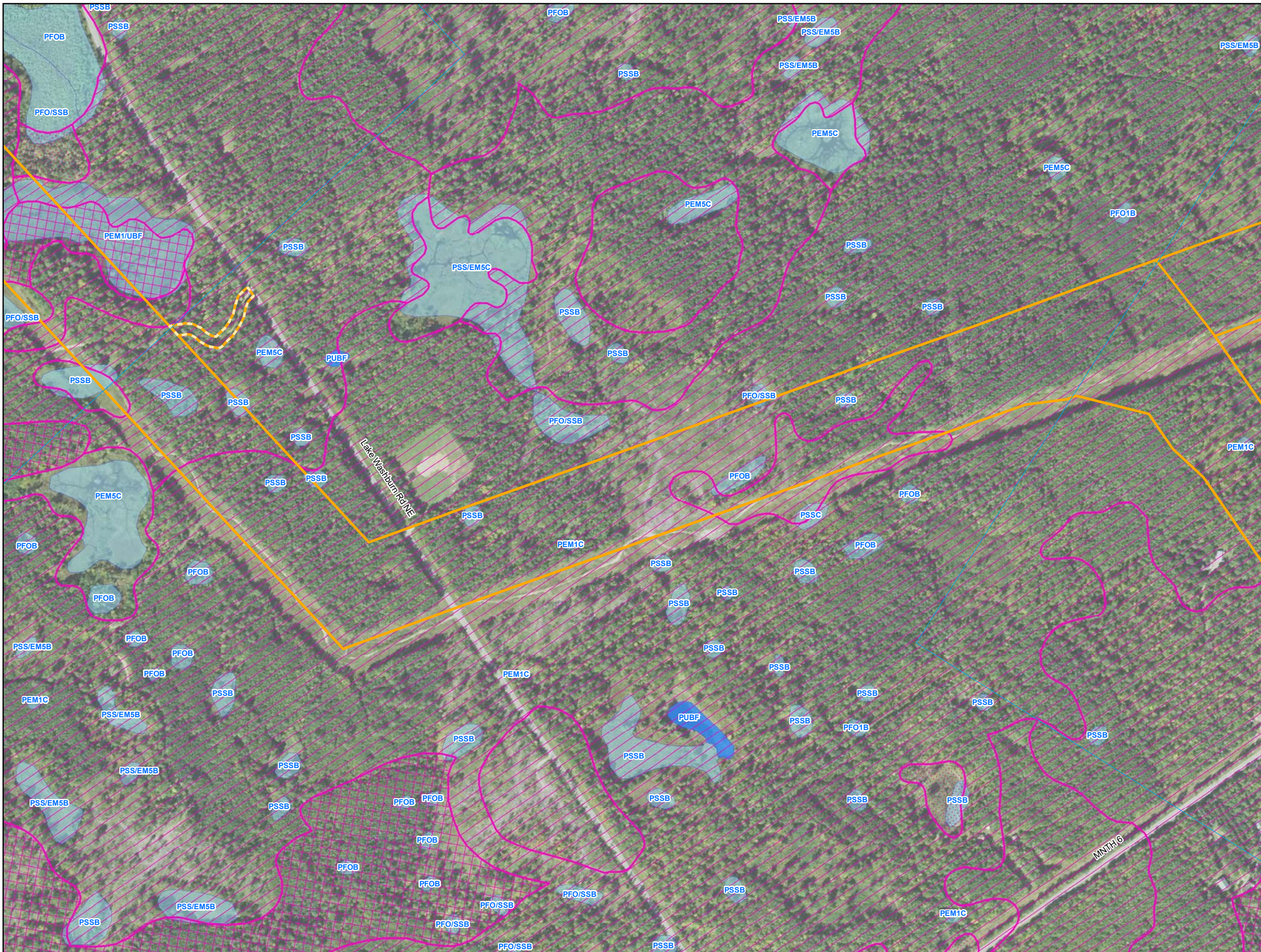
**Cass County, Minnesota**

September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\EnbridgeLine\_3\_Full\_Replacement\IEID\_Data\Waterbody\Reporis\Wetland\_Waterbody\_20180631\MM1\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-37

### Enbridge

#### Desktop Environmental Features

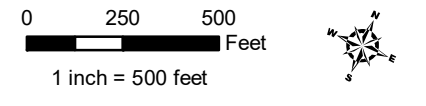
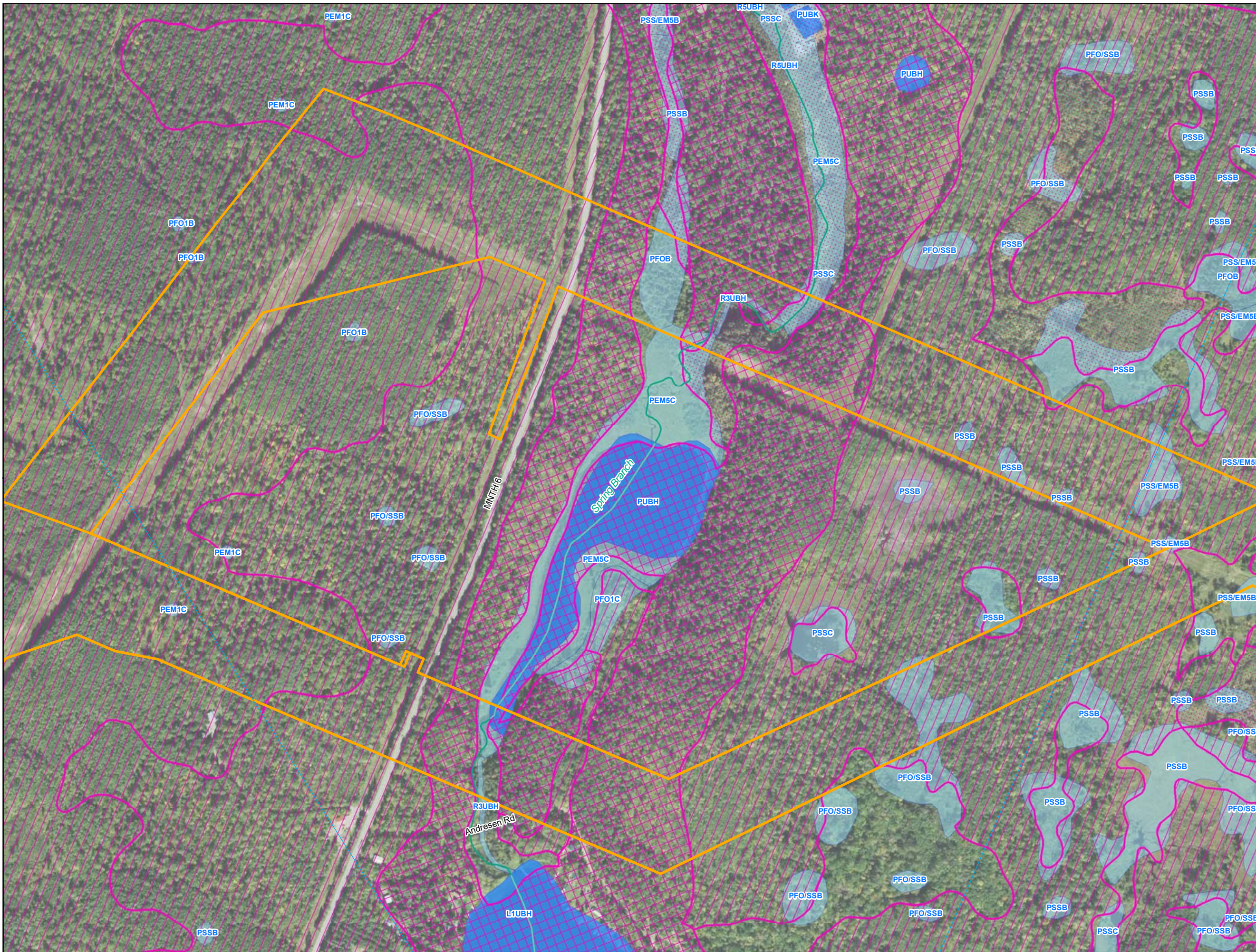
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE\_FIE\Enbridge\_Line\_3\_Full\_Replacement\field\_data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180603\10\MT13\SR\_Wetland\_WB\_AppendixC\_MN\_bkgs.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 9-38**

**Enbridge  
Desktop Environmental  
Features**

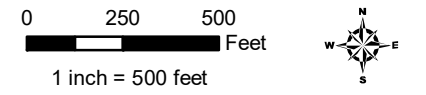
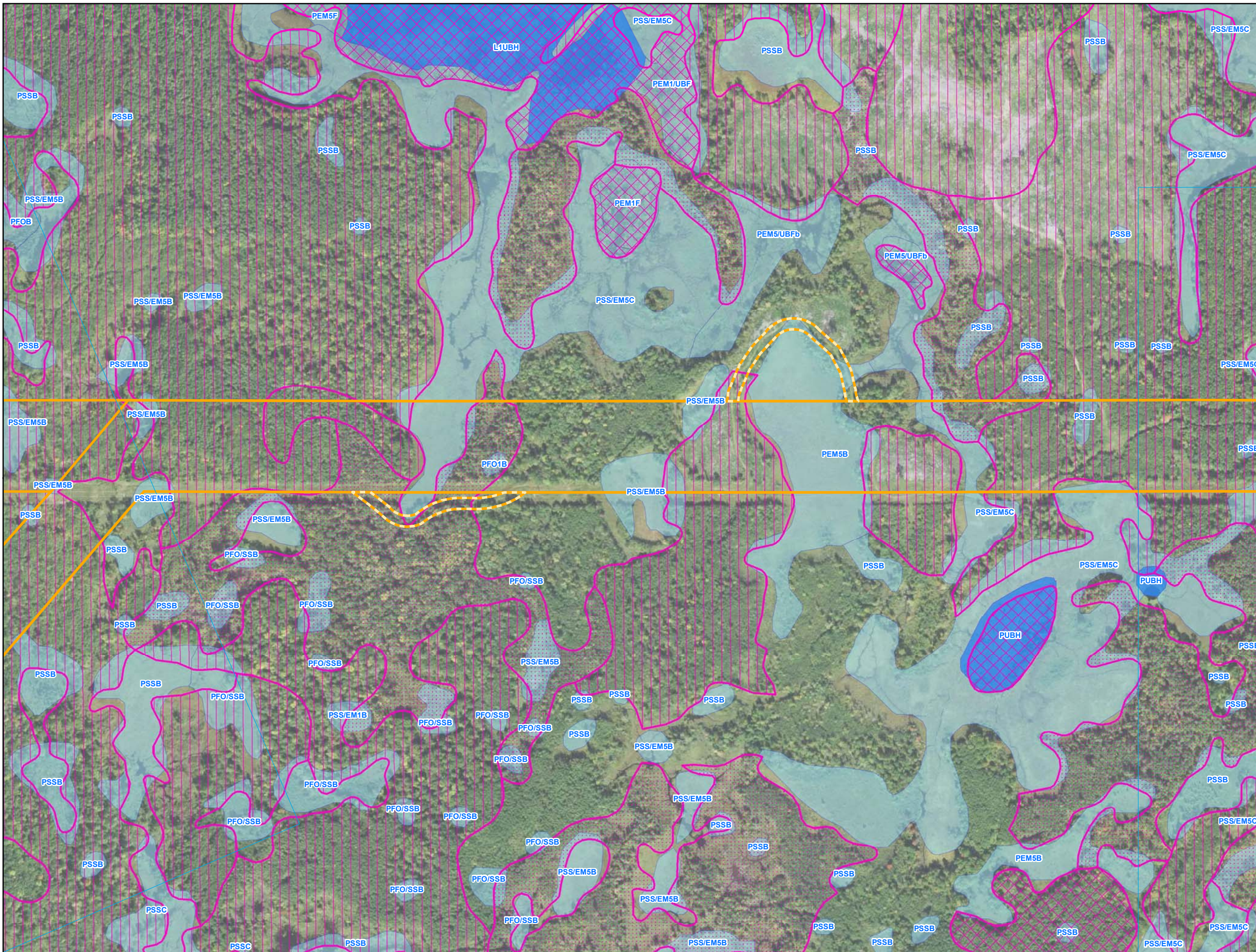
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\Wetland\_Data\Wetland\Wetland\Waterbody\Reports\Wetland\_Waterbody\_2018060310MNT13CR\_Wetland\_WB\_AppendixC\_MN\_bk.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 9-39

### Enbridge

#### Desktop Environmental Features

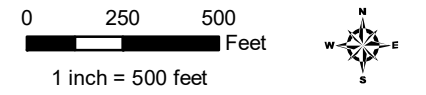
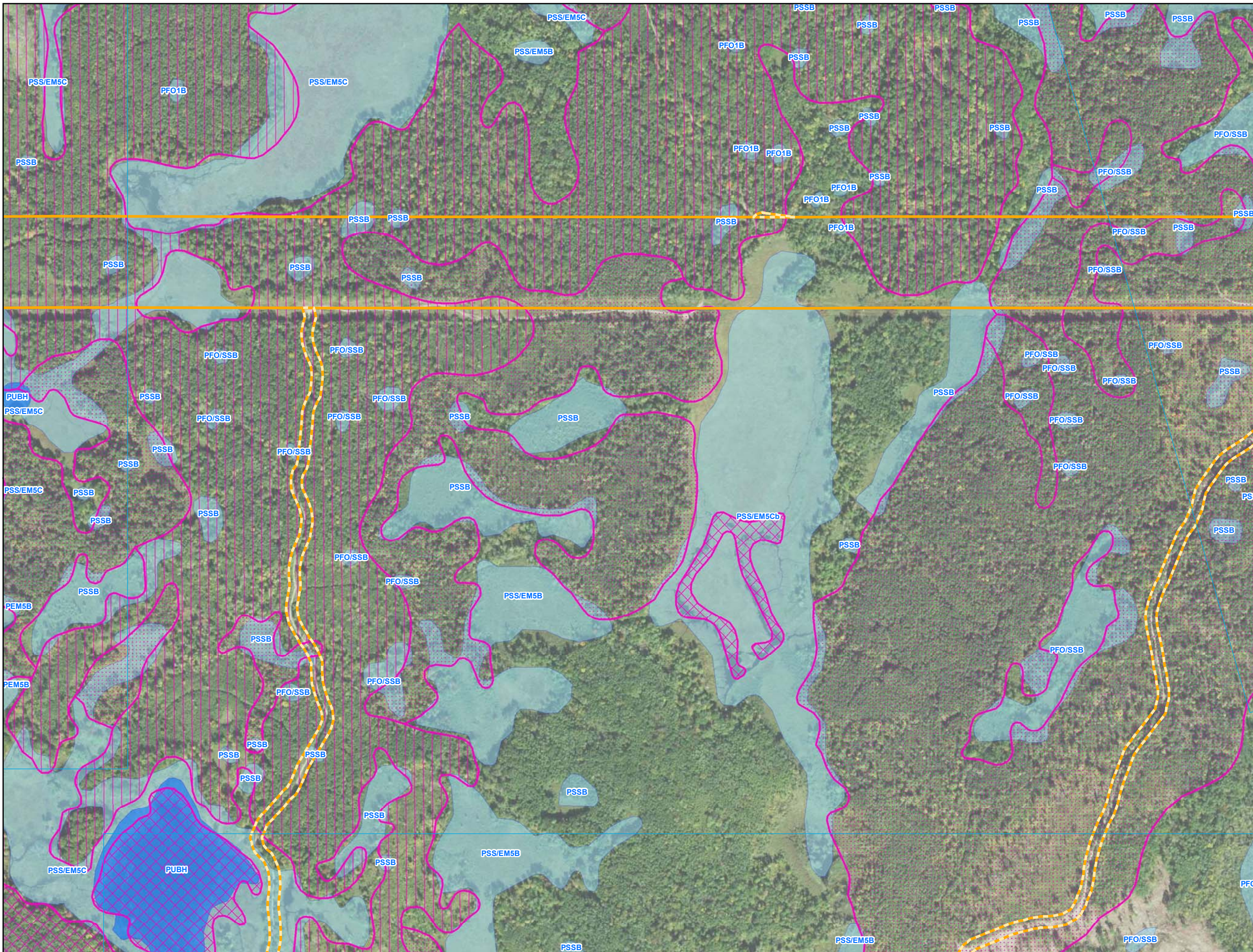
#### Cass County, Minnesota



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\enbridge\Line\_3\_Full\_Replacement\field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MT1\CSR\_Wetland\_WB\_AppendixC\_MN\_bk1.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 9-40**

**Enbridge**

**Desktop Environmental  
Features**

**Cass County, Minnesota**

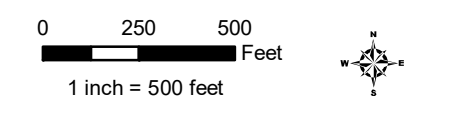
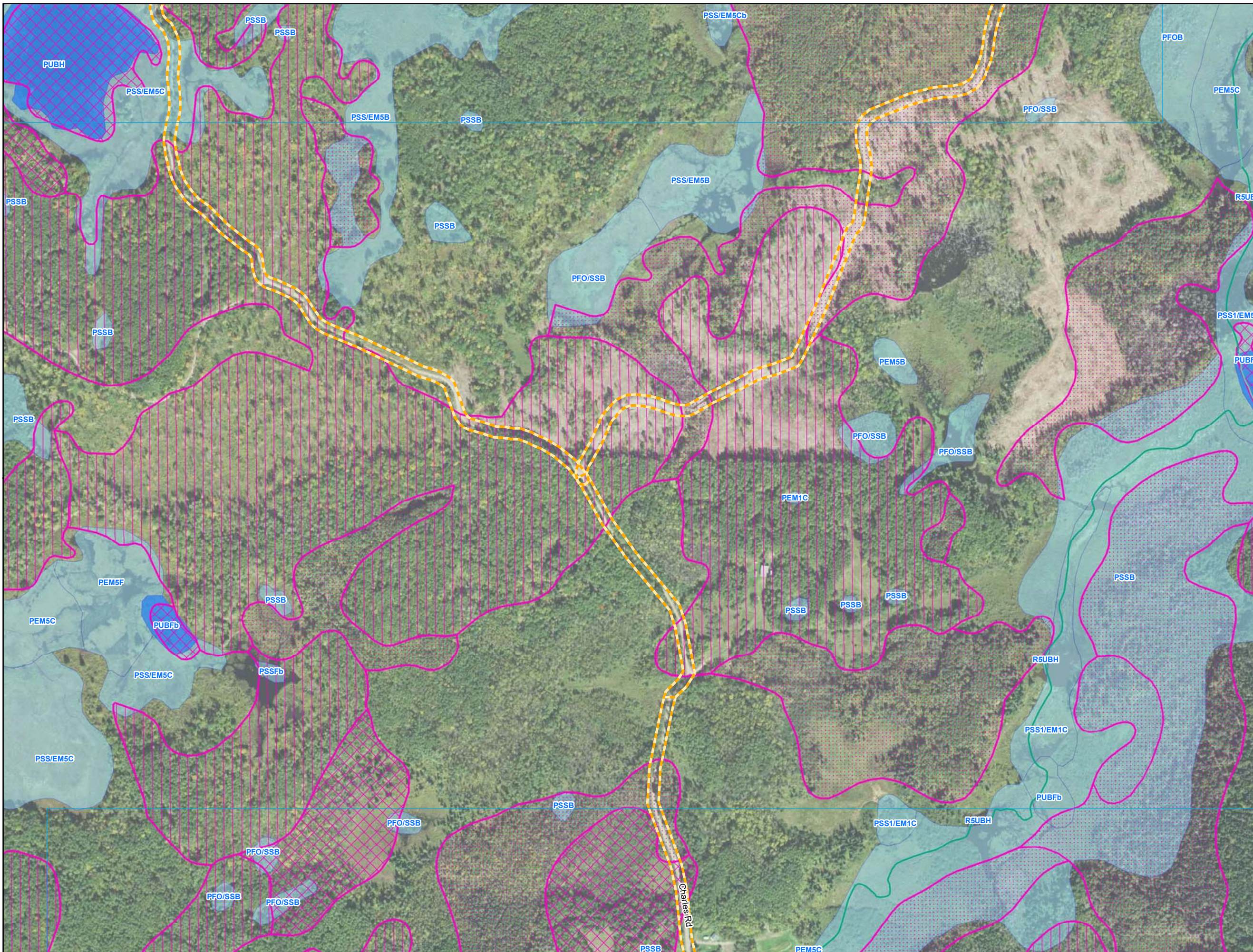


September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\EnbridgeLine\_3\_Full\_Replacement\field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT13SR\_Wetland\_WB\_AppendixC\_MM\_bk1.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 9-41**

**Enbridge**

**Desktop Environmental  
Features**

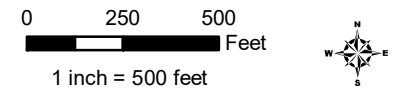
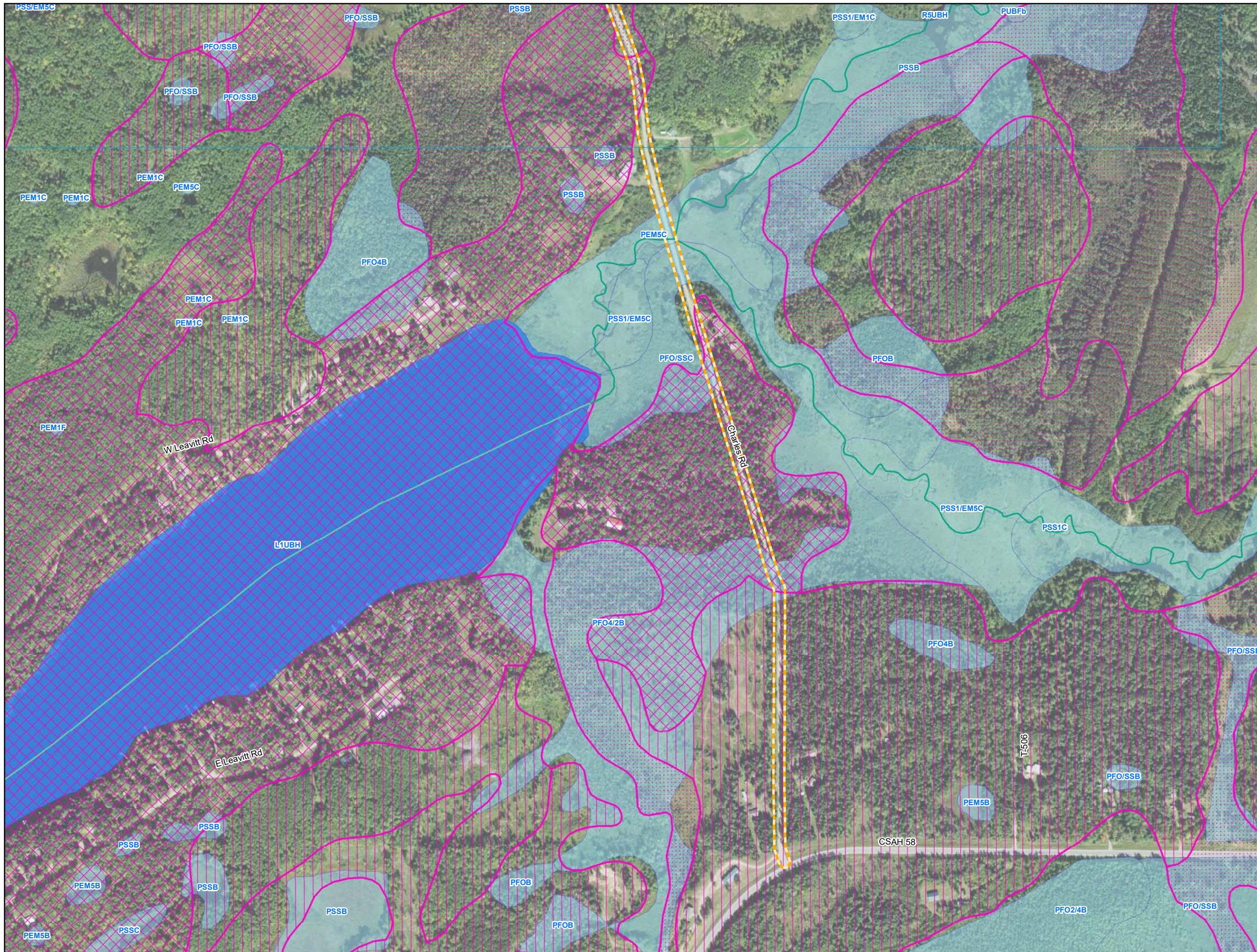
**Cass County, Minnesota**



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\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631\Wetland\_Waterbody\_20180631.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 9-42

**Enbridge**

**Desktop Environmental  
Features**

**Cass County, Minnesota**

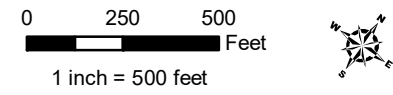
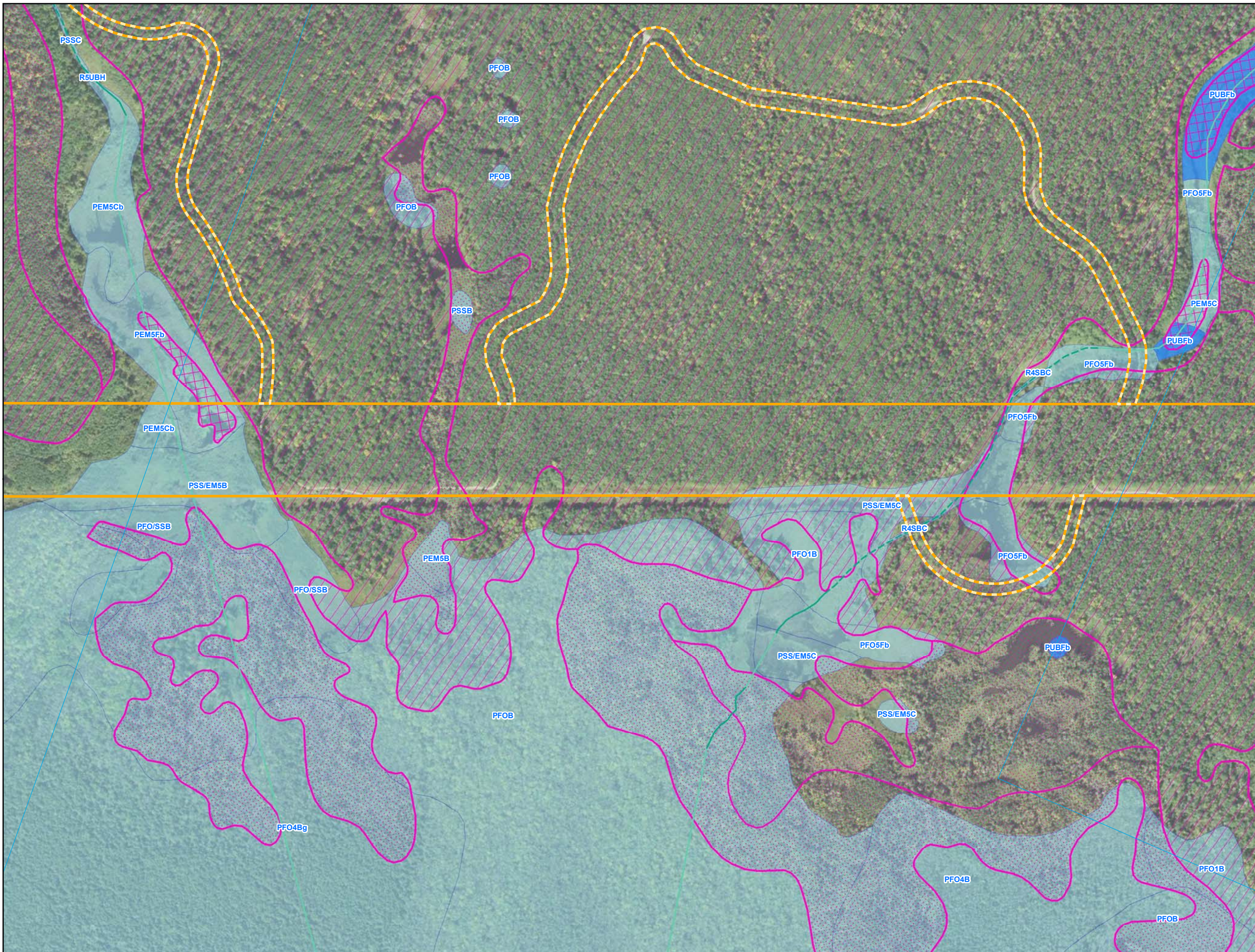


September 2018

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Source: Z:\Clients\IE\_FHE\EnbridgeLine\_3\_Full\_ReplacementField\_Data\Wetland\Waterbody\Repos\Wetland\_Waterbody\_20180631\MMT\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-44**

**Enbridge**

**Desktop Environmental  
Features**

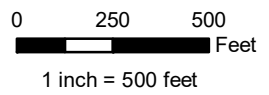
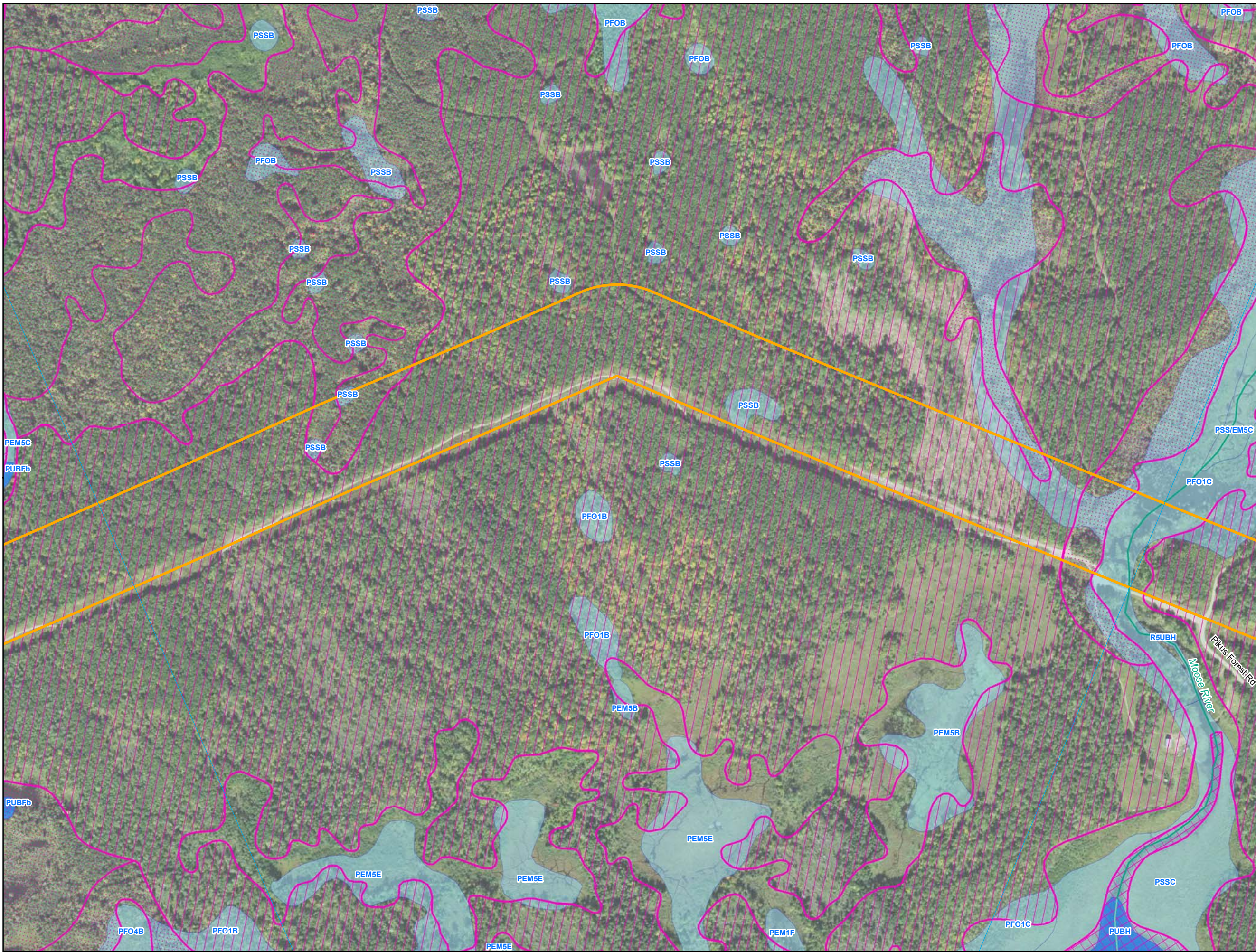
**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_2018060310MNT\CSR\_Wetland\_WB\_AppendixC\_MN\_bkgs.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 9-45

### Enbridge

#### Desktop Environmental Features

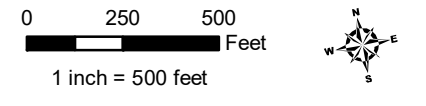
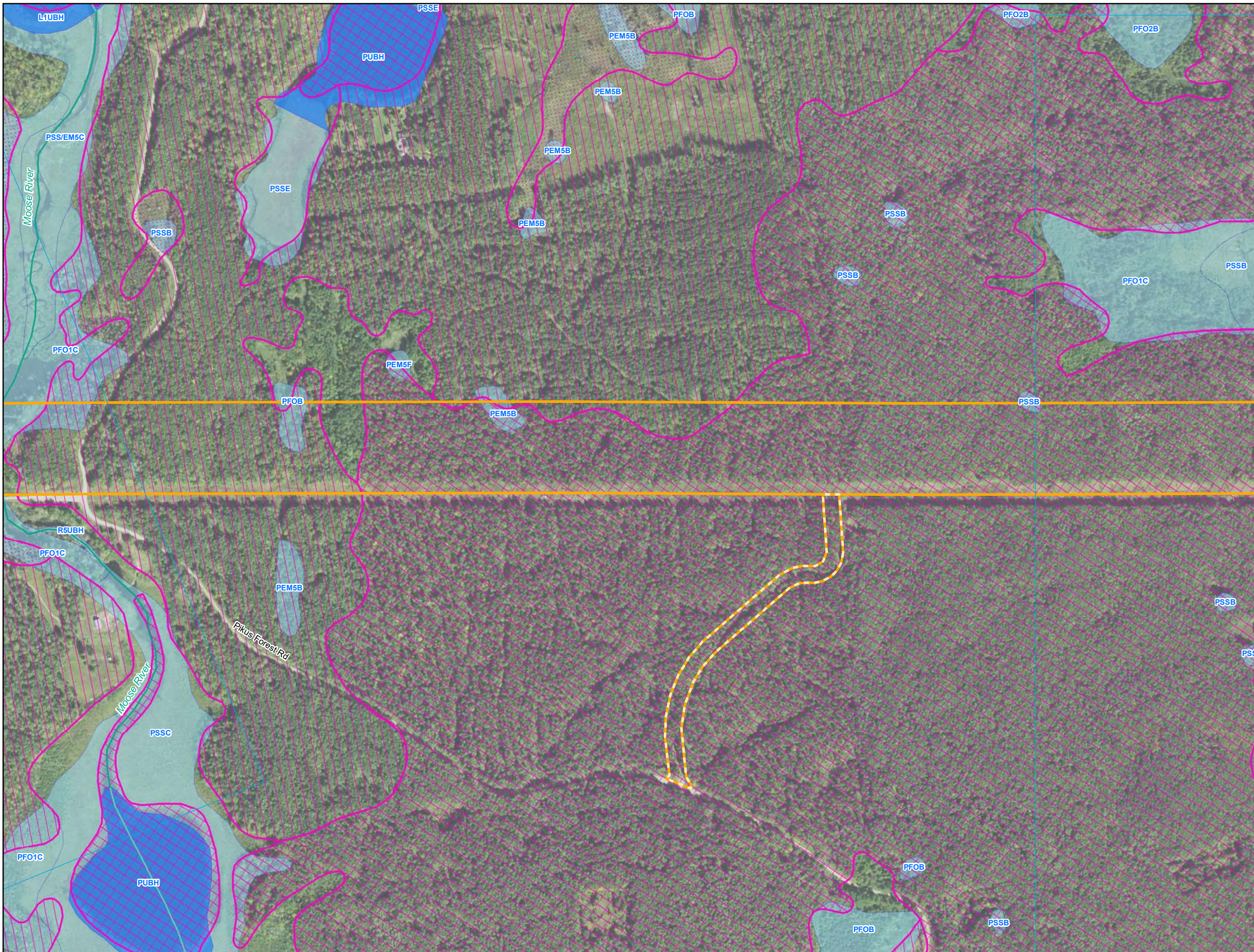
#### Cass County, Minnesota



September 2018

For Environmental Review Purposes Only

Source: Z:\Clients\IE\_FHE\enbridge\Line\_3\_Full\_ReplacementField\_Data\Wetland\_Waterbody\Reports\Wetland\_Waterbody\_20180611\MT\CSR\_Wetland\_WB\_AppendixC\_MN\_bkgs.mxd Date: (9/13/2018)



- 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 9-46**

**Enbridge**

**Desktop Environmental  
Features**

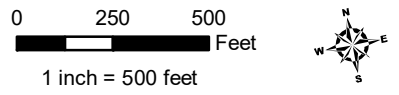
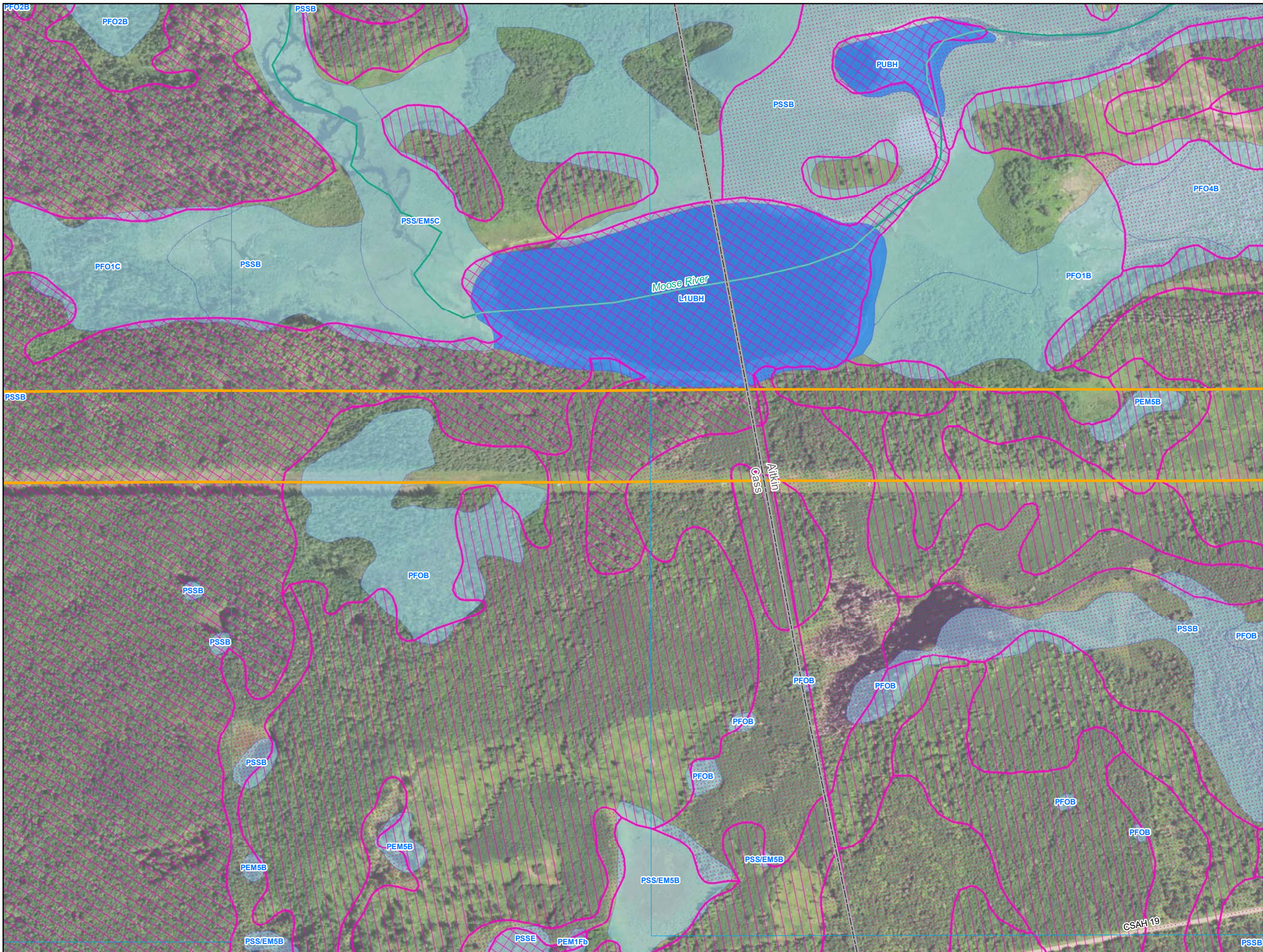
**Cass County, Minnesota**



September 2018

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Source: Z:\Clients\IE\_FIE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MT1\CSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-47**

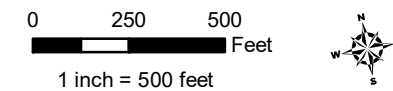
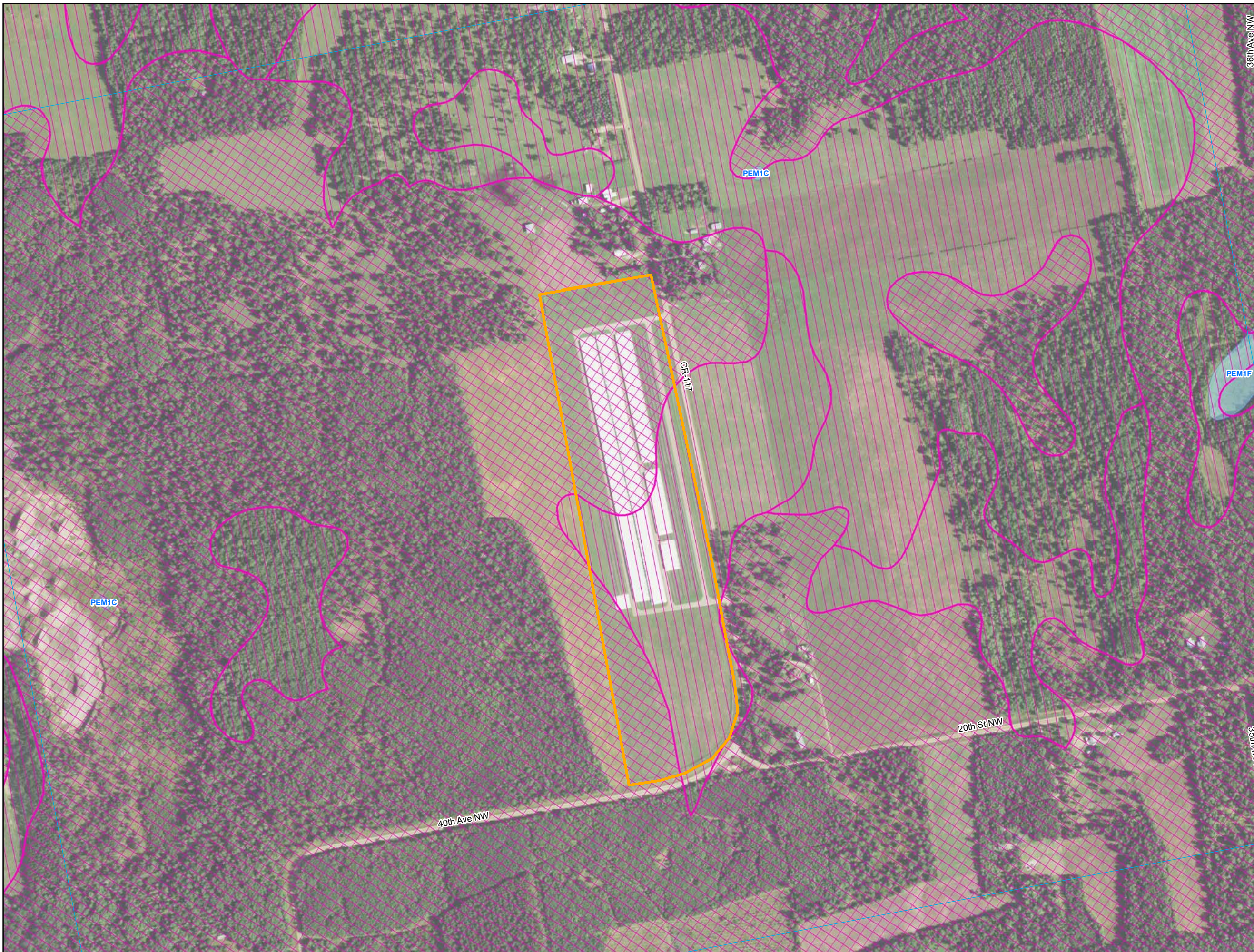
**Enbridge**  
**Desktop Environmental  
Features**  
**Cass County, Minnesota**















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Date: (9/13/2018) Source: Z:\Clients\IE\_FHE\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MT\LSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.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 9-48

**Enbridge**

**Desktop Environmental  
Features**

**Cass County, Minnesota**



September 2018

For Environmental Review Purposes Only

Date: (9/13/2018) Source: Z:\Clients\IE\_F\Enbridge\Line\_3\_Full\_Replacement\Field\_Data\Wetland\Waterbody\Reports\Wetland\_Waterbody\_20180631\MMT\LSR\_Wetland\_WB\_AppendixC\_MM\_bkgs.mxd