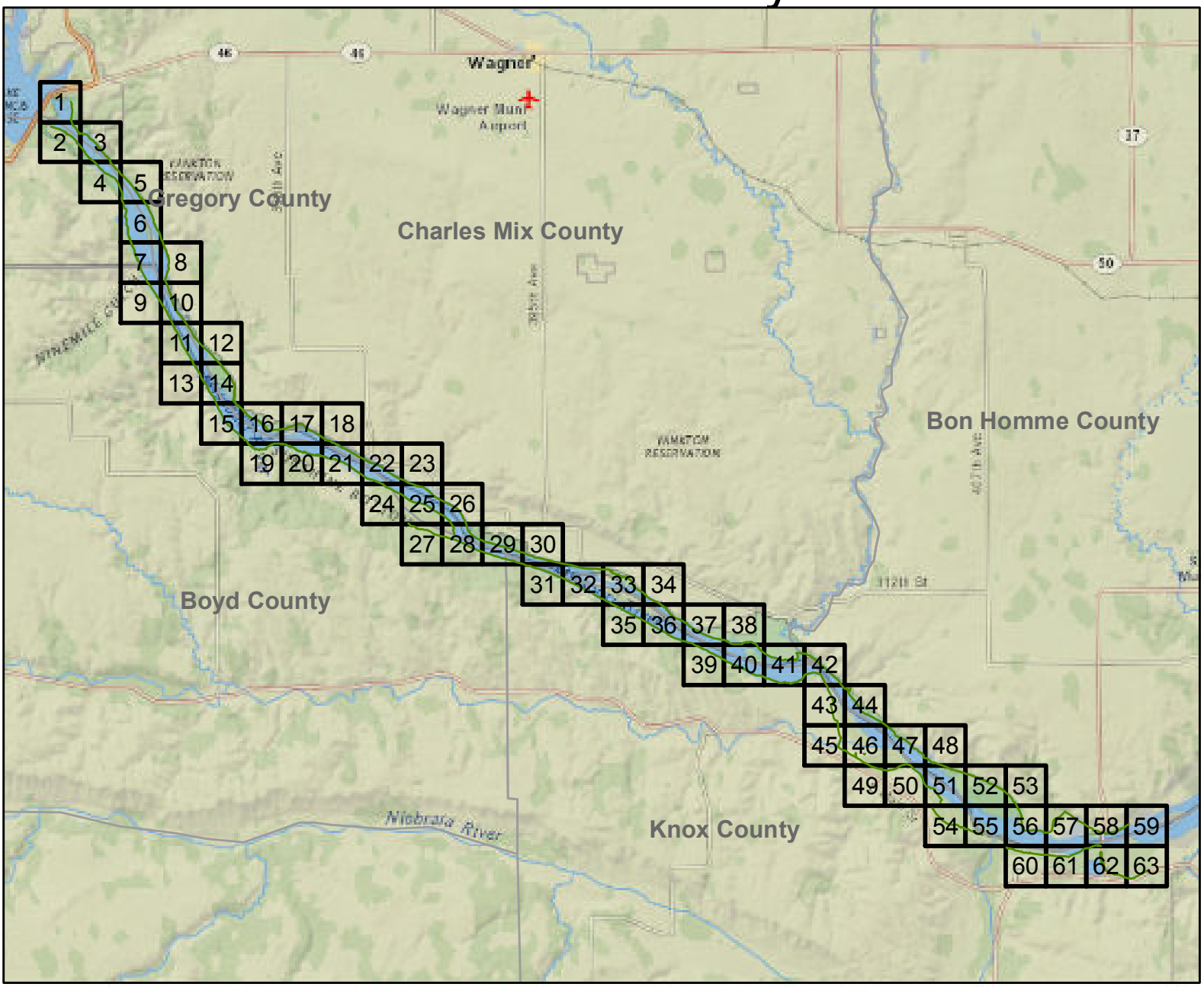
# Bankline Inventory 2011




## Legend

- Hard Points
- Cleanup Sites
- Stabilization Points

## Bank Inventory Segments

## Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

The Missouri River Institute at the University of South Dakota conducted a bankline inventory on the 39-mile and 59-mile Districts of the Missouri National Recreational River (MNRR) during the months of October and November 2011.

The numbered grids (pictured above) represent the individual pages in this document. The legend (pictured left) describes the bank condition: stabilized, unstabilized, or to be determined. Cleanup sites are pieces of large debris, hard points are stabilization hard points, and stabilization points are other points of stabilization.

Details and more information are available from the MNRR office.

Missouri National Recreational River
508 East 2nd Street
Yankton, SD 57078
605-665-0209

# Bankline Inventory 2011



880.1
880
879.9
879.8
879.7
879.6
879.5
879.4
879.3

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

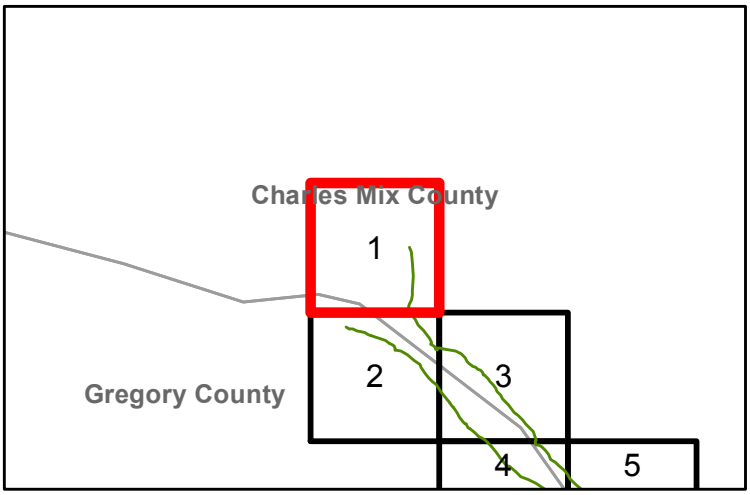
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



879.7
879.6
879.5
879.4
879.3
879.2
879.1
879
878.9
878.8
878.7
878.6
878.5

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

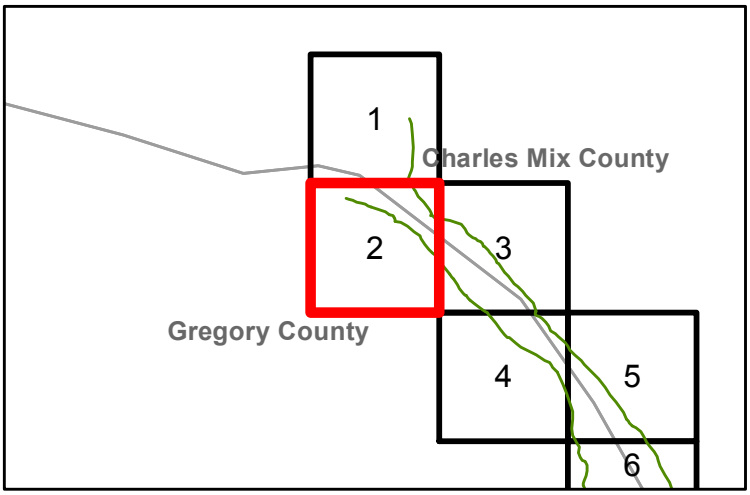
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



878.9
878.8
878.7
878.6
878.5
878.4
878.3
878.2
878.1
878
877.9
877.8
877.7
877.6
877.5

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

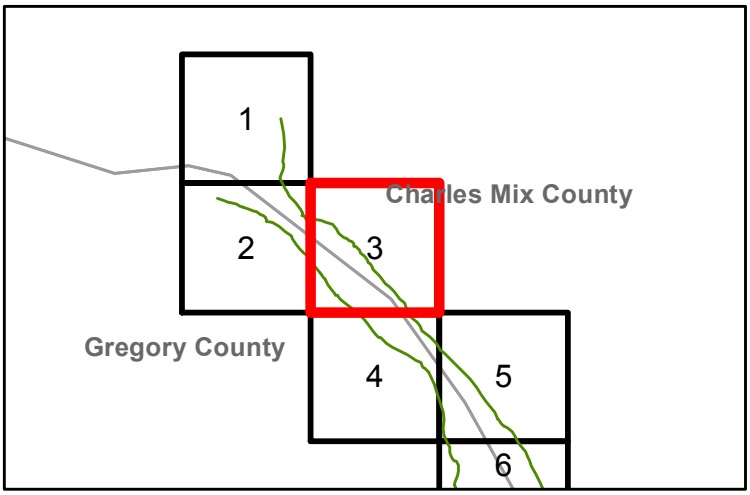
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



877.7
877.6
877.5
877.4
877.3
877.2
877.1
877
876.9
876.8
876.7

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

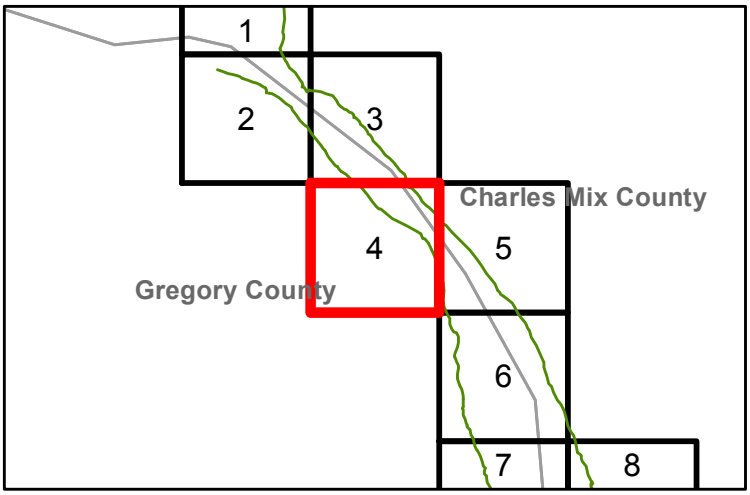
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

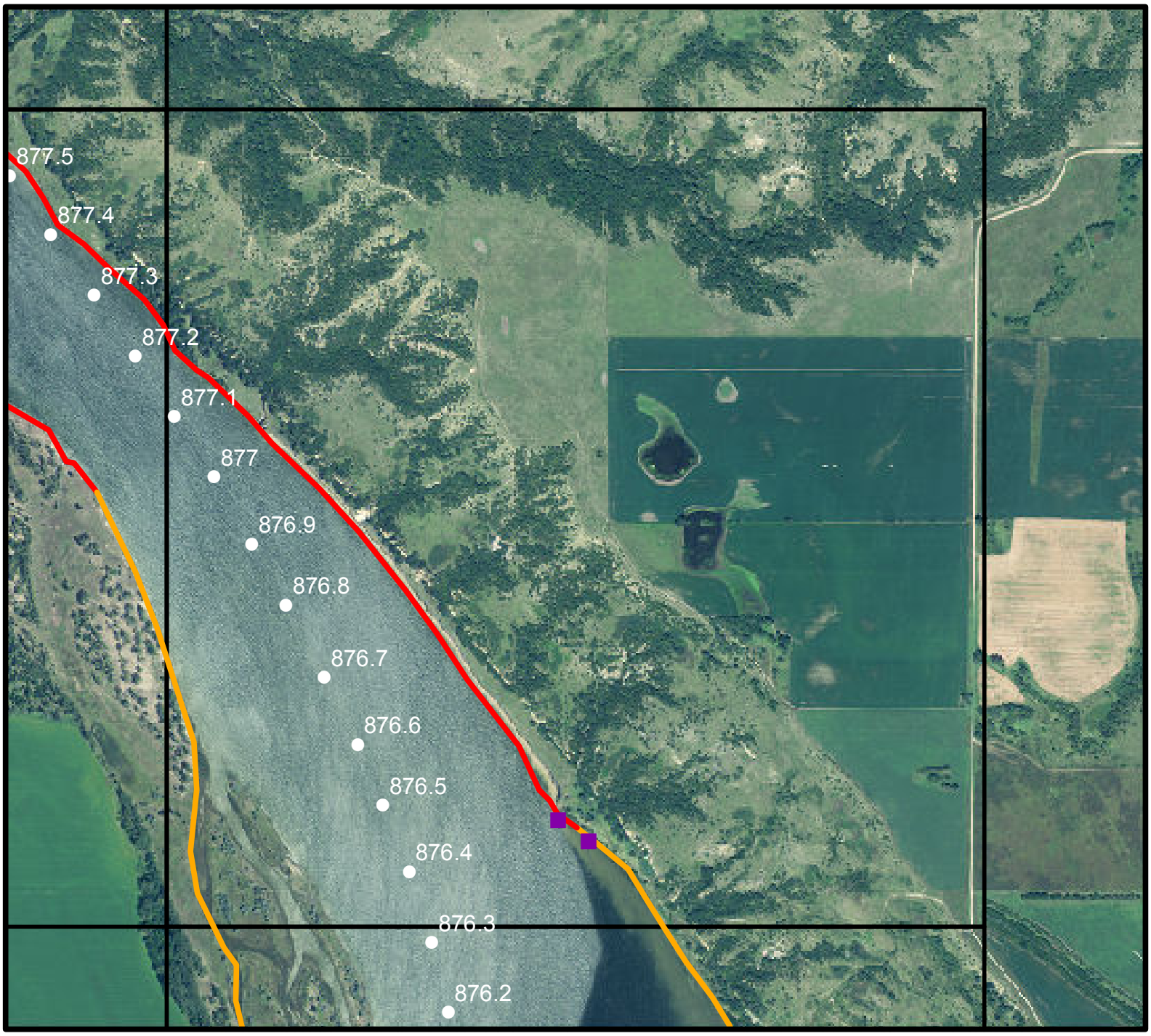
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011






**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

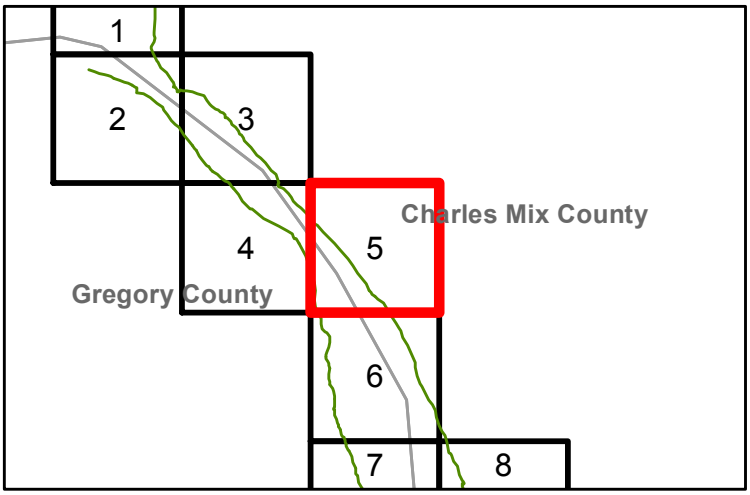
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

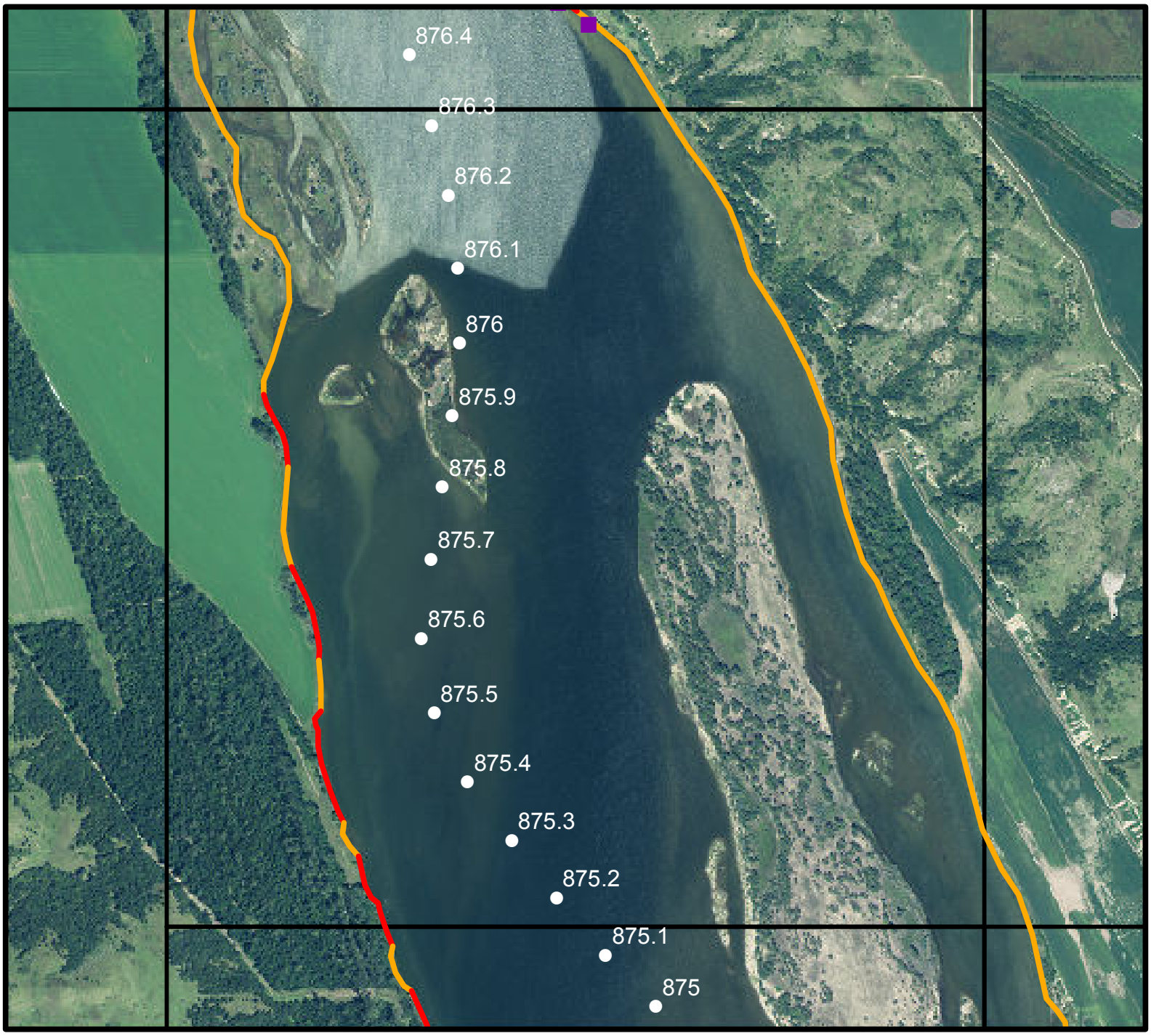
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011






**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

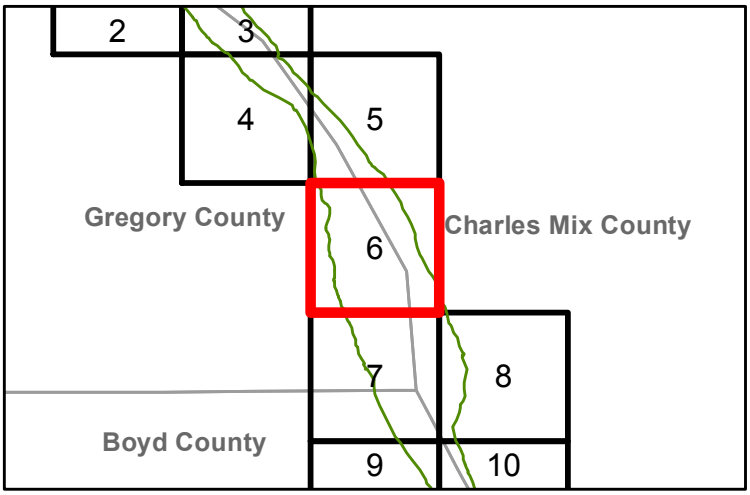
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



875.3
875.2
875.1
875
874.9
874.8
874.7
874.6
874.5
874.4
874.3
874.2
874.1
874
873.9

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

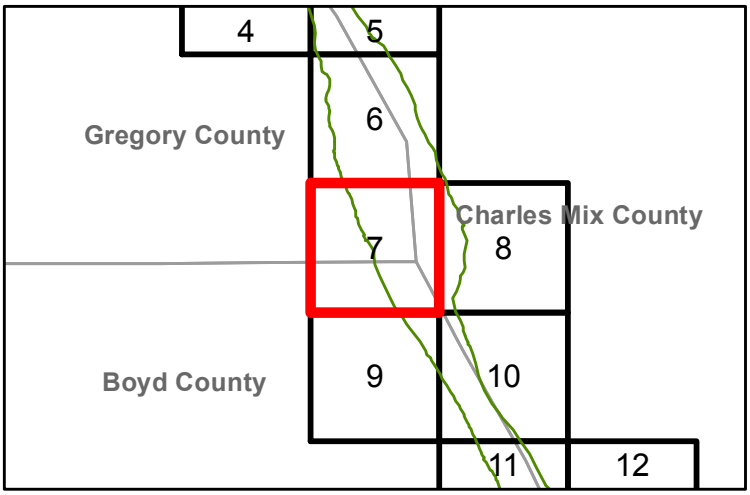
Bank Inventory Segments

Stabilization Status

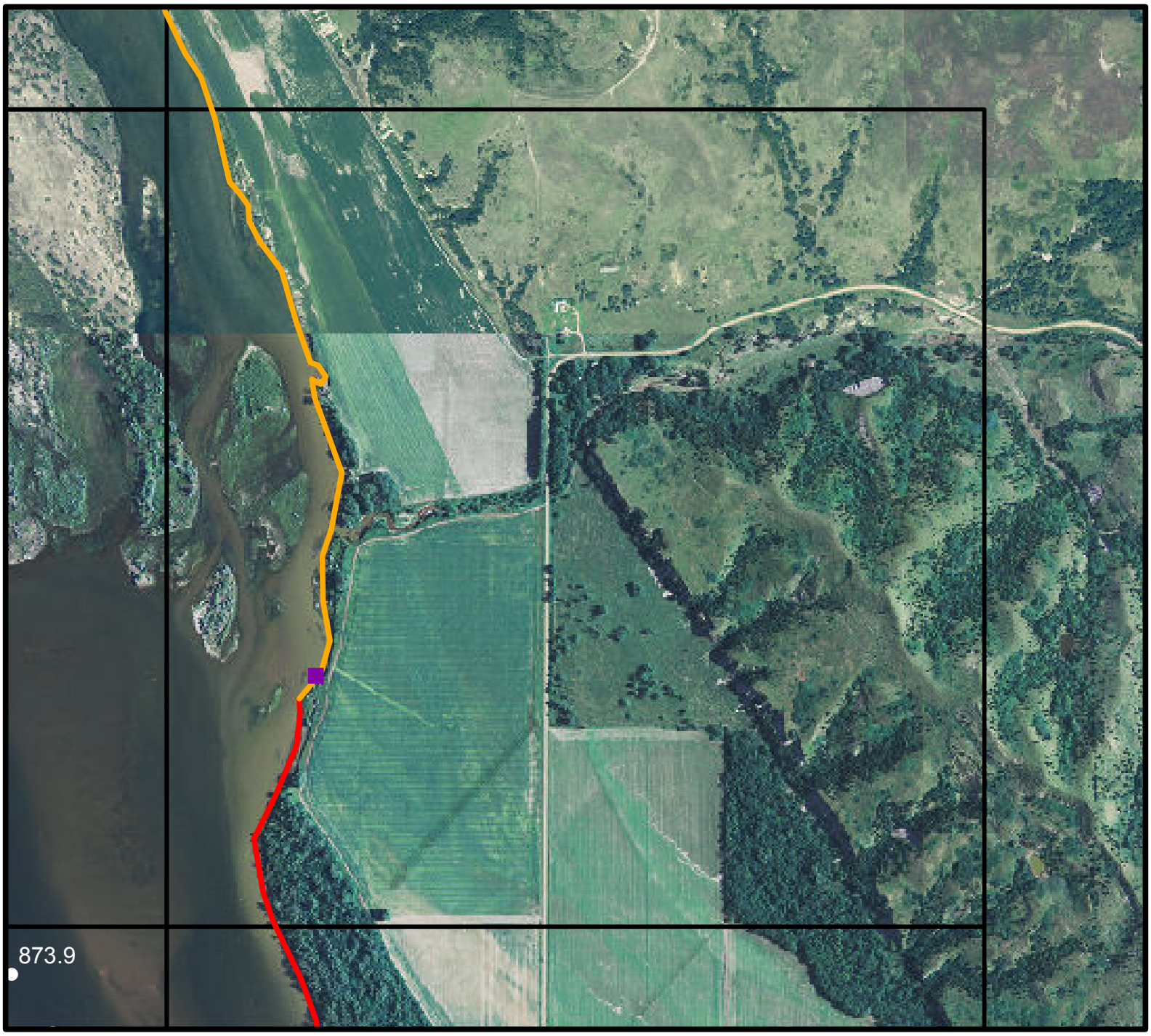
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011




**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
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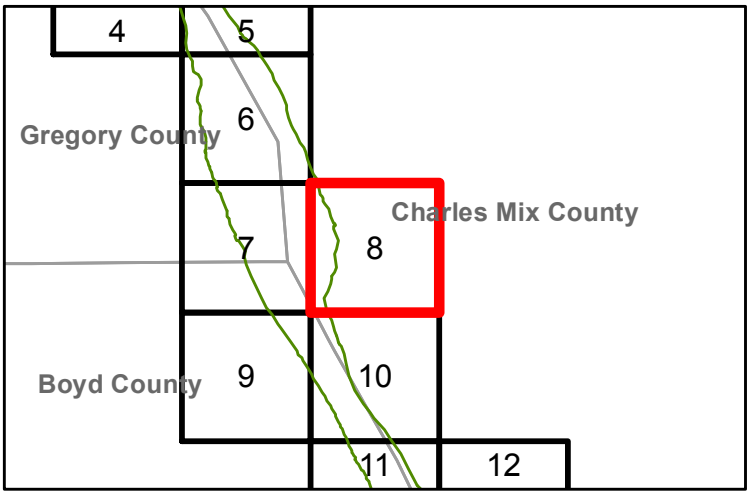
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

874.1
874
873.9
873.8
873.7
873.6
873.5
873.4
873.3
873.2

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

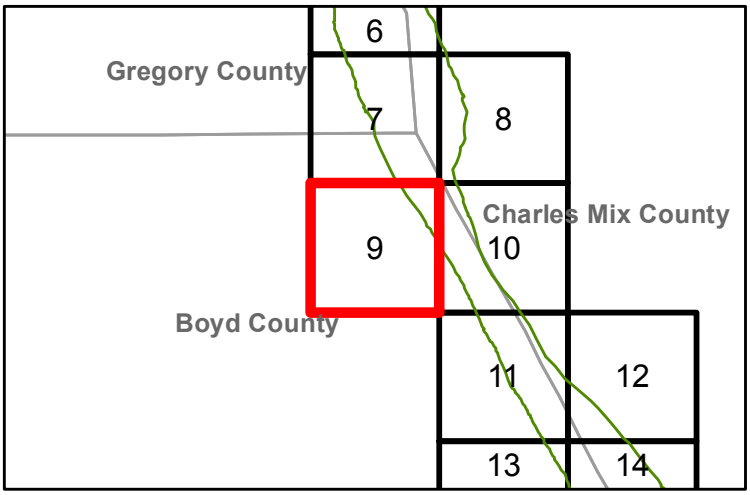
Bank Inventory Segments

Stabilization Status

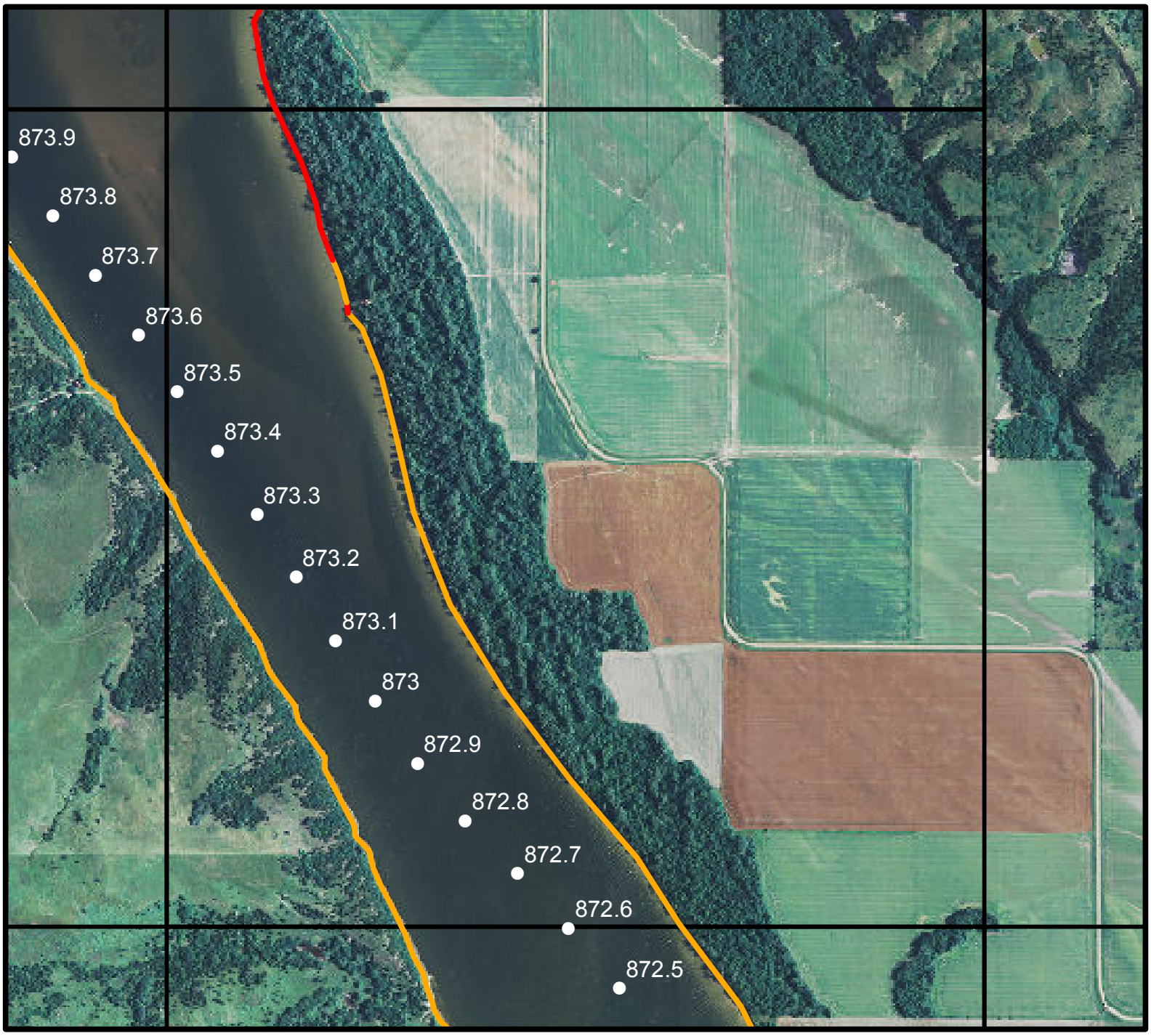
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011




**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

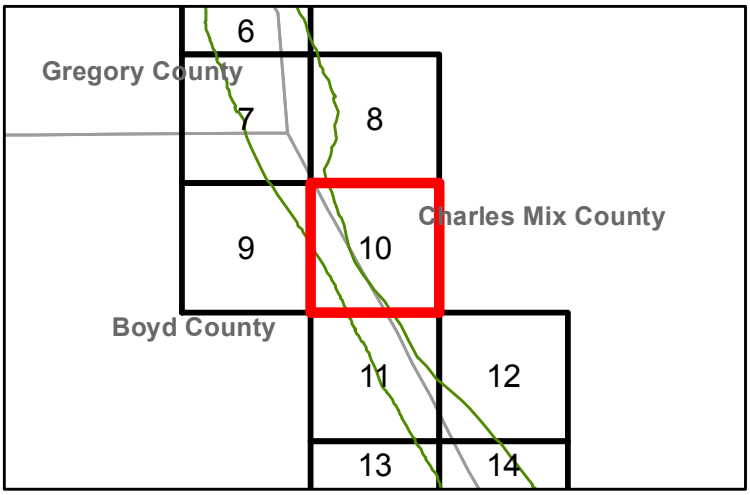
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

872.7
872.6
872.5
872.4
872.3
872.2
872.1
872
871.9
871.8
871.7
871.6
871.5
871.4
871.3

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

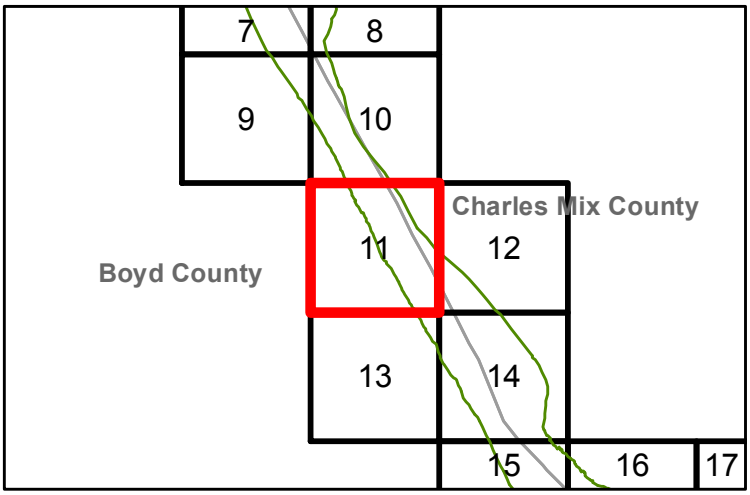
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



871.9
871.8
871.7
871.6
871.5
871.4
871.3

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

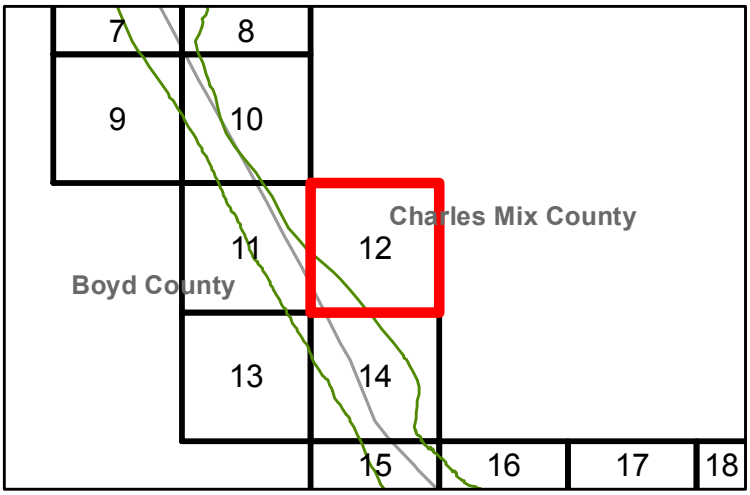
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

871.5
871.4
871.3
871.2
871.1
871
870.9

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

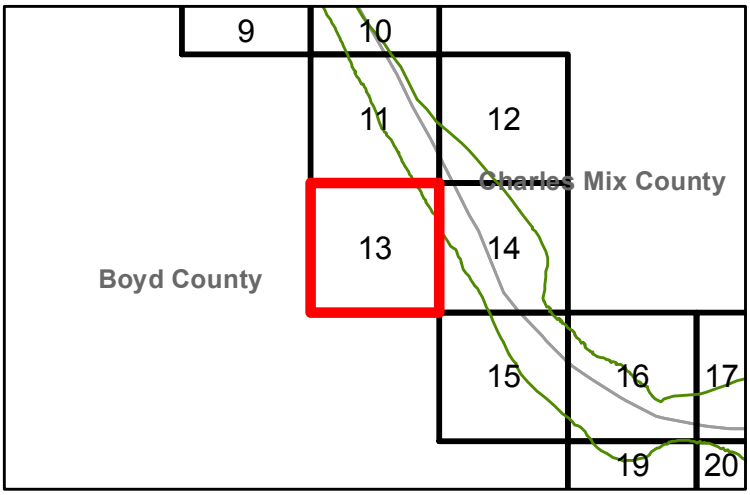
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

871.5
871.4
871.3
871.2
871.1
871
870.9
870.8
870.7
870.6
870.5
870.4
870.3
870.2
870.1
870
869.9
869.8

**Legend**

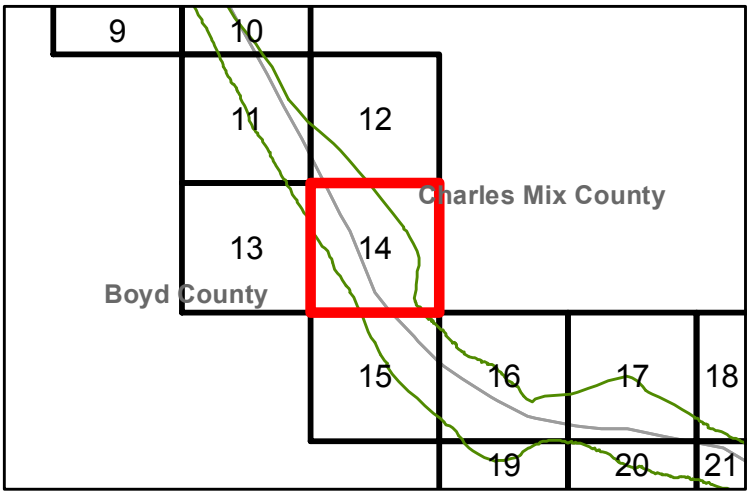
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



870.2
870.1
870
869.9
869.8
869.7
869.6
869.5
869.4
869.3
869.2

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

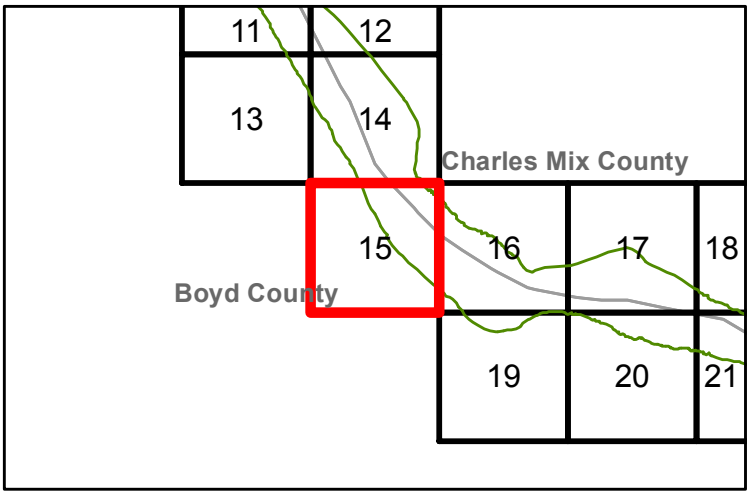
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

869.8
869.7
869.6
869.5
869.4
869.3
869.2
869.1
869
868.9
868.8
868.7
868.6
868.5
868.4
868.3
868.2
868.1
868
867.9
867.8
867.7
867.6
867.5

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

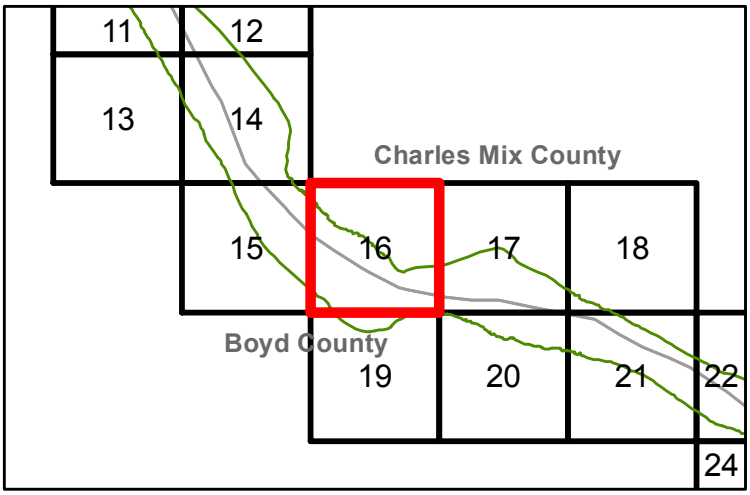
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

867.9
867.8
867.7
867.6
867.5
867.4
867.3
867.2
867.1
867
866.9
866.8
866.7
866.6
866.5
866.4
866.3

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

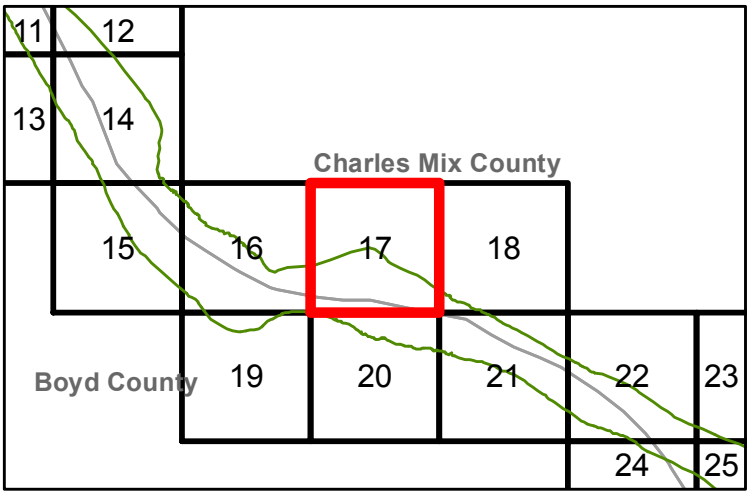
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

866.7
866.6
866.5
866.4
866.3

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

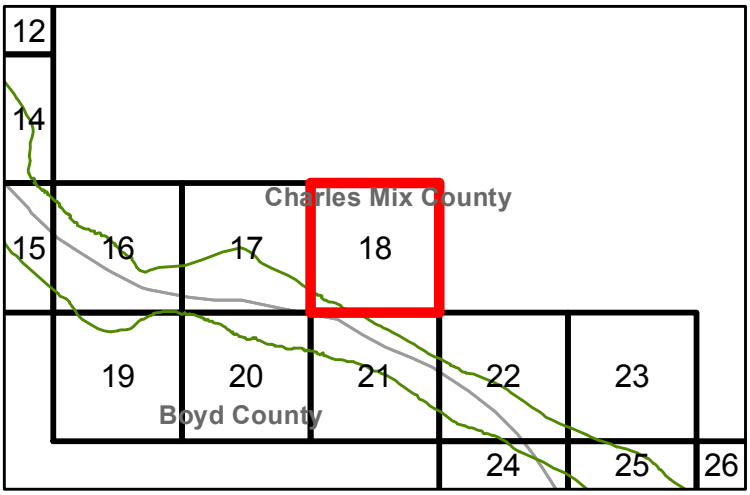
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

868.8
868.7
868.2
868.3
868.6
868.5
868.4

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

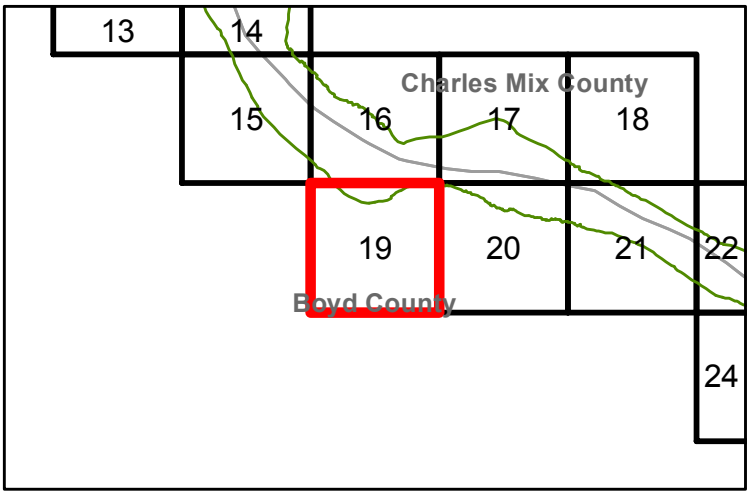
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

866.6
866.5
866.4
866.3
866.2

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

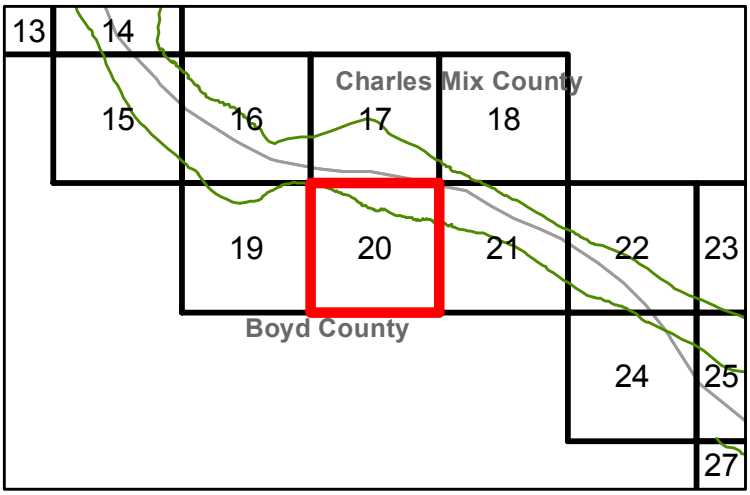
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

866.6
866.5
866.4
866.3
866.2
866.1
866
865.9
865.8
865.7
865.6
865.5
865.4
865.3
865.2
865.1
865

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
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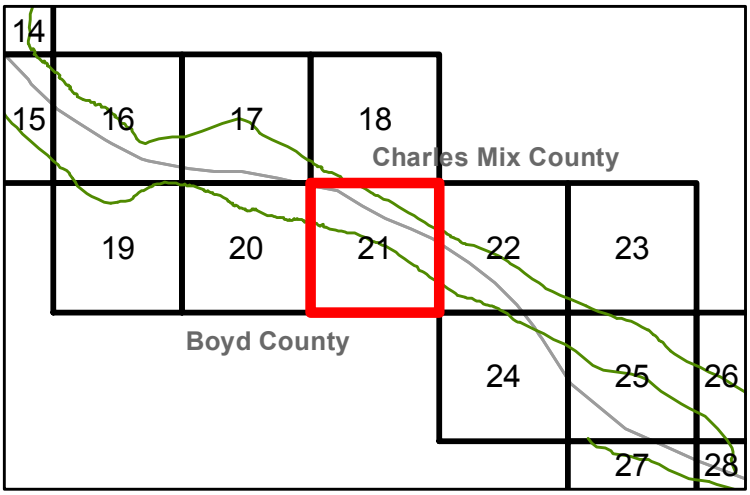
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

865.4
865.3
865.2
865.1
865
864.9
864.8
864.7
864.6
864.5
864.4
864.3
864.2
864.1
864
863.9
863.8
863.7

**Legend**

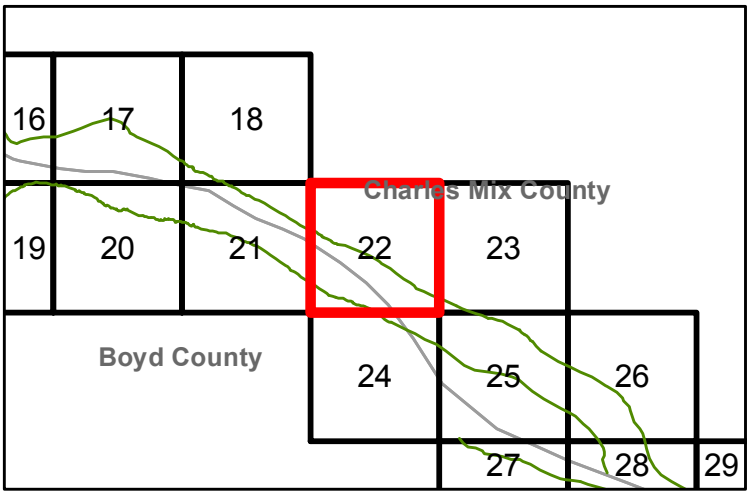
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

**Legend**

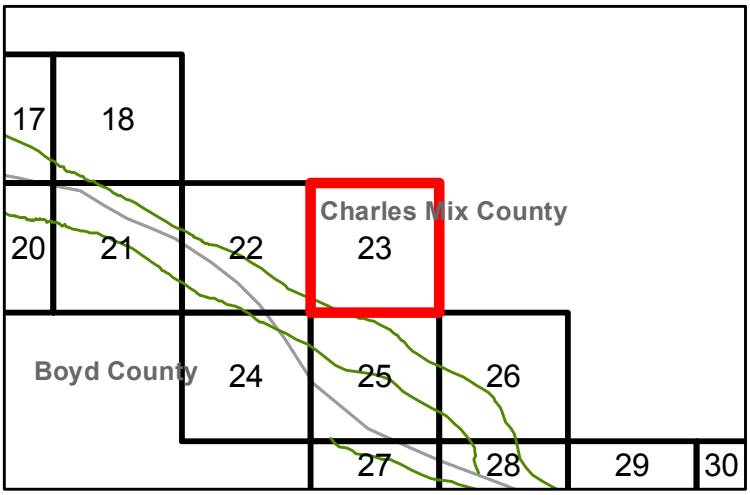
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

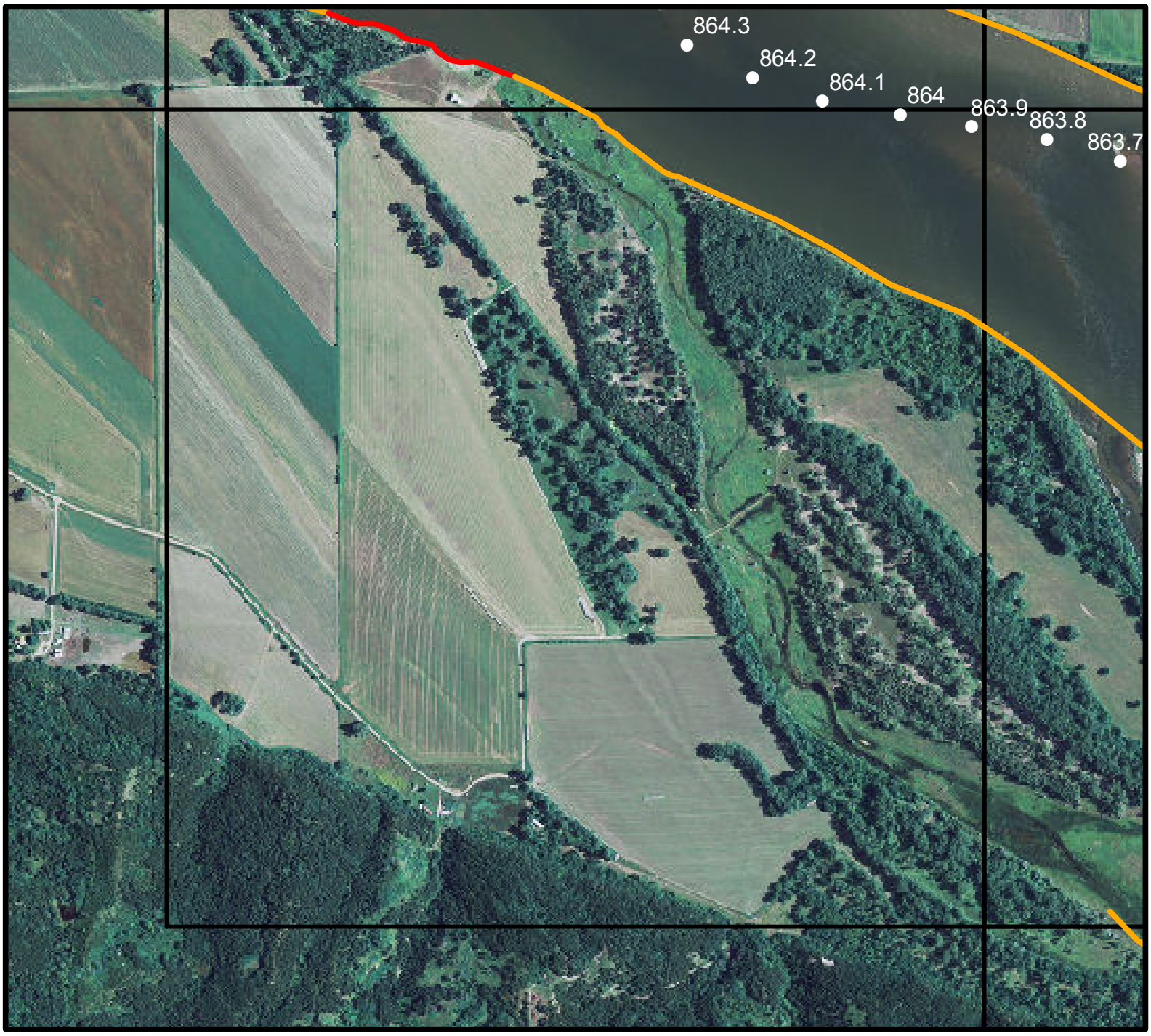
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011




**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
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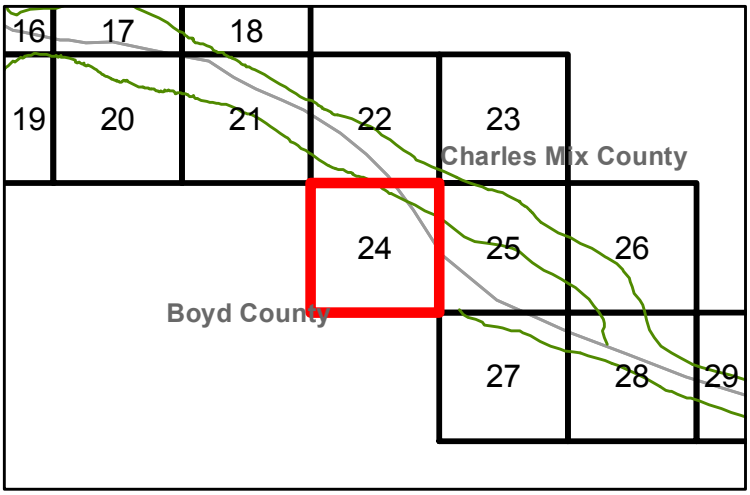
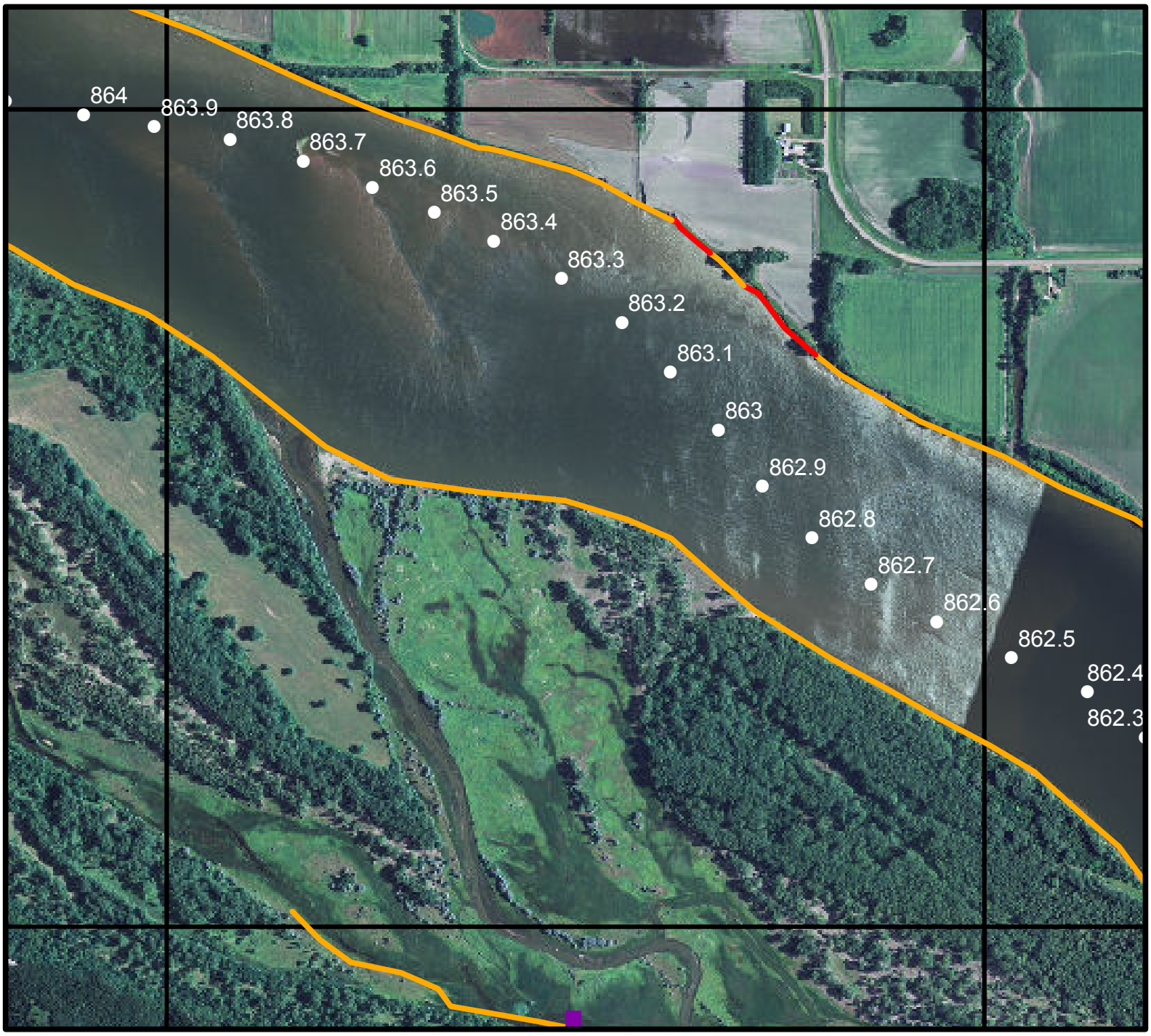
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011




**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

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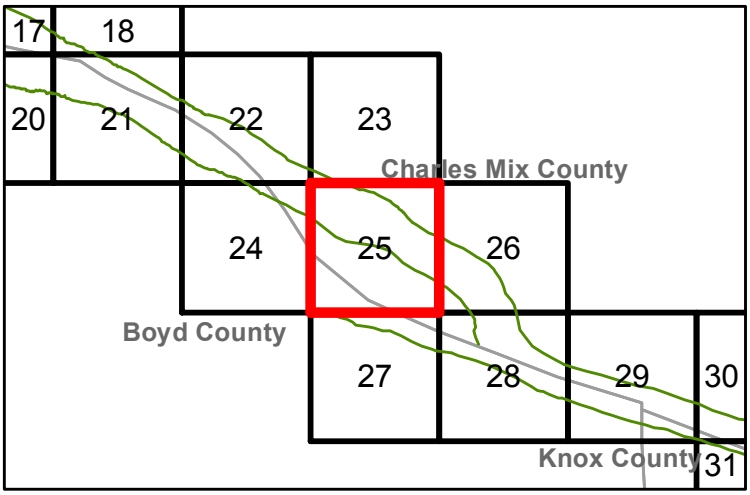
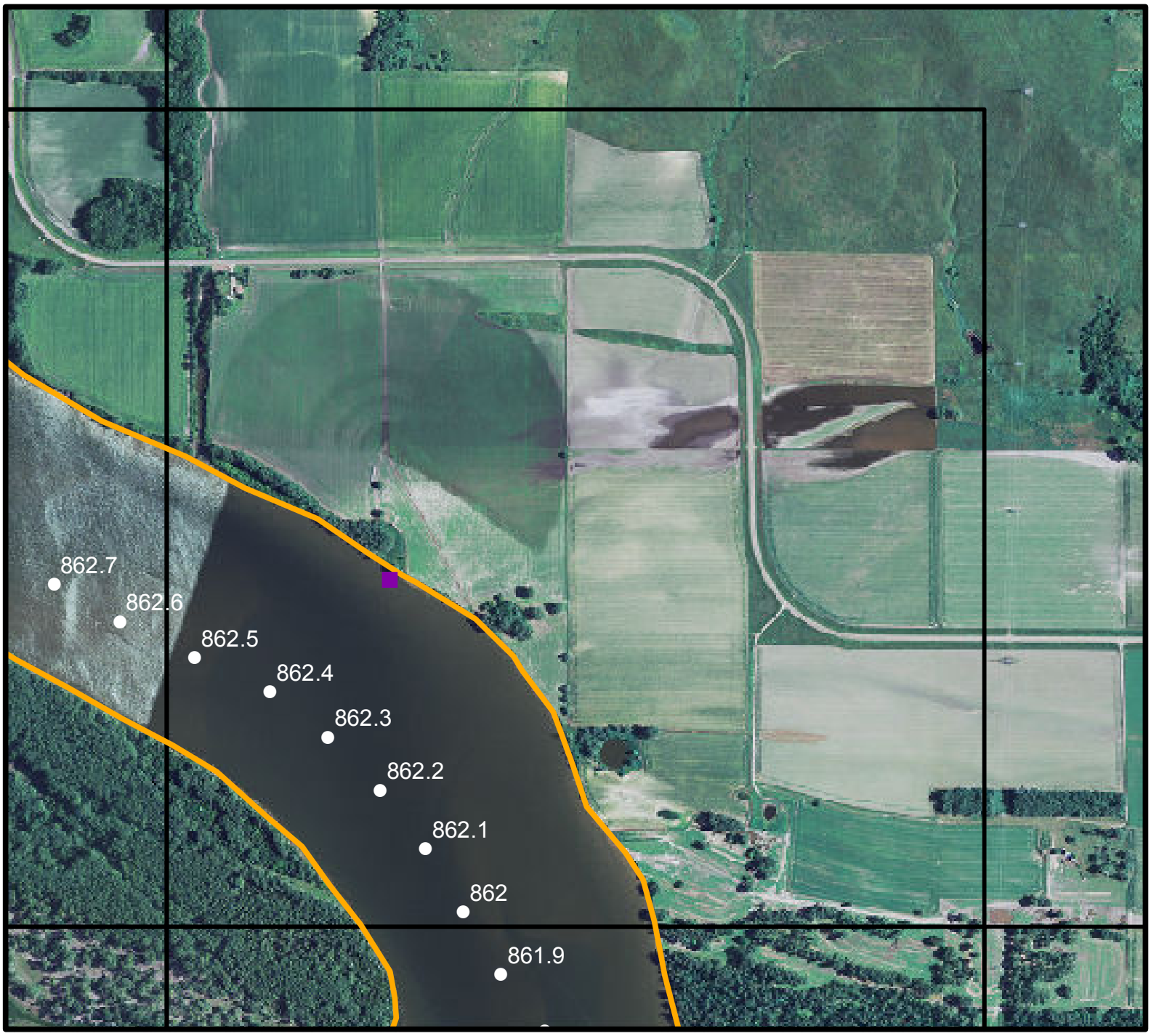
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011




**Legend**

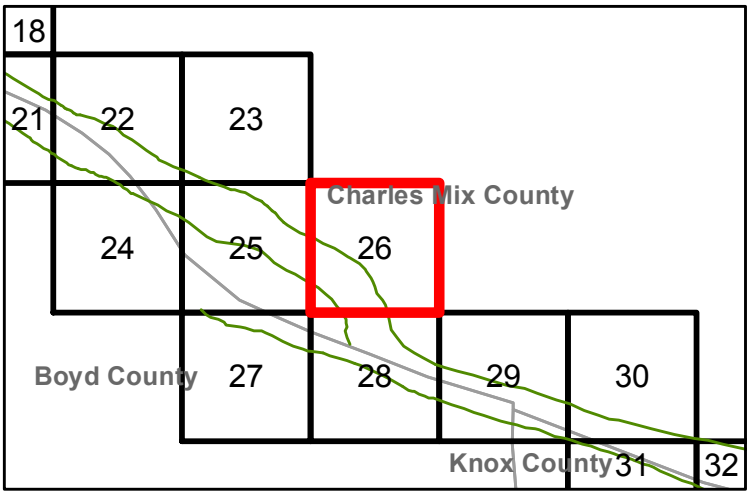
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

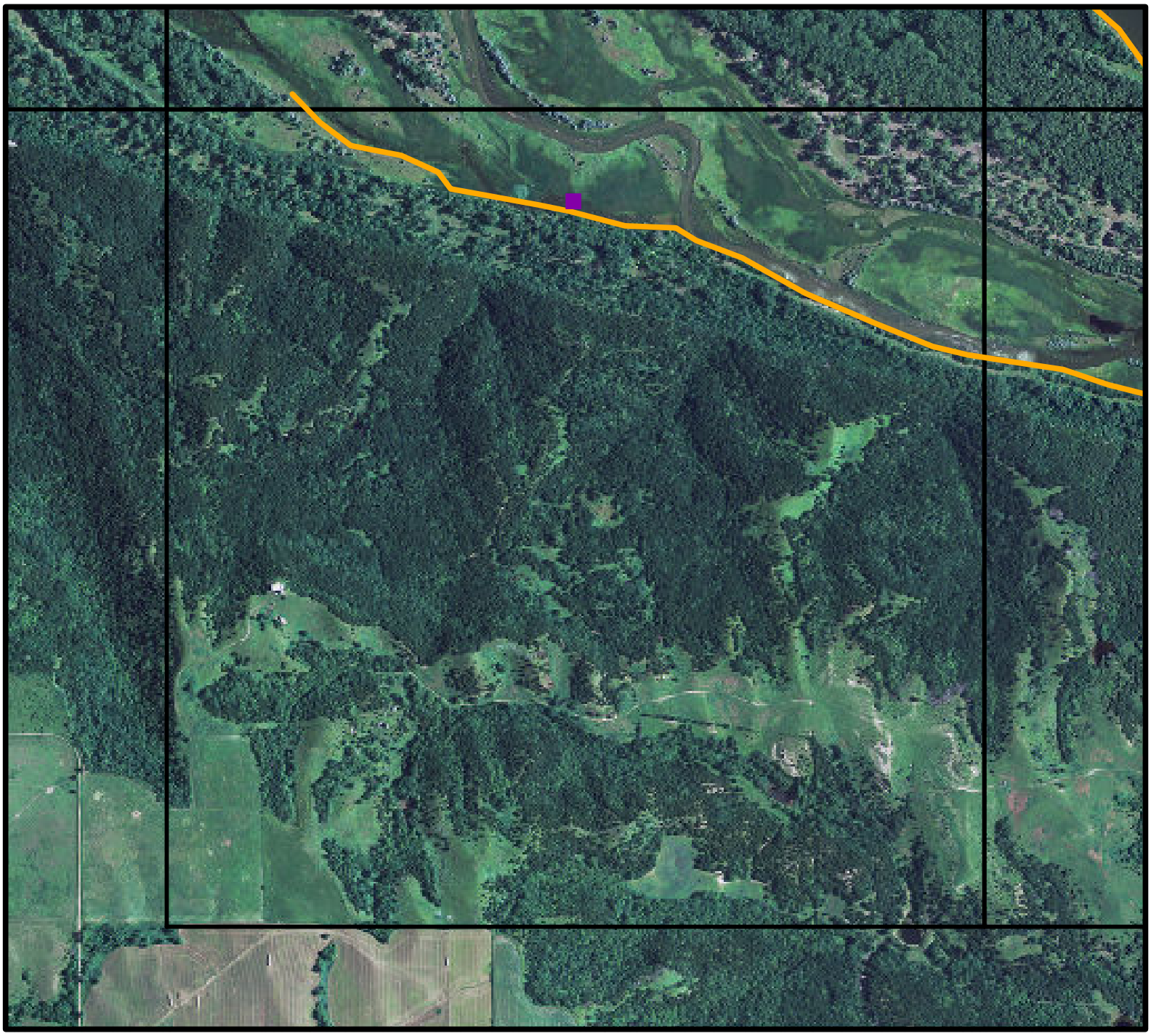
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
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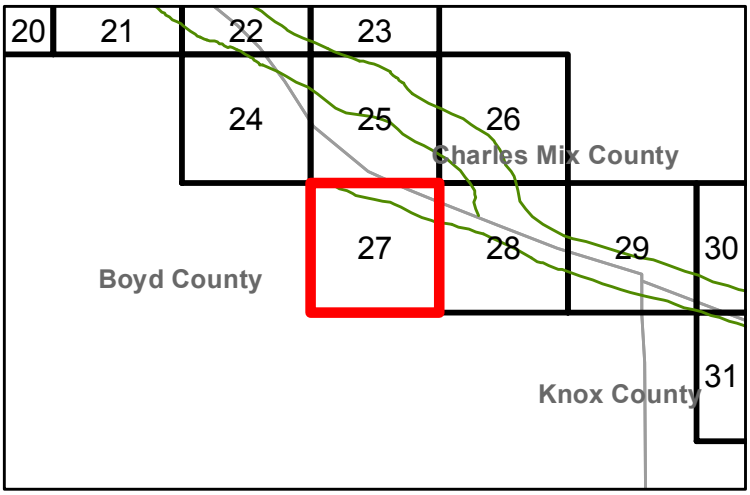
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

862.1
862
861.9
861.8
861.7
861.6
861.5
861.4
861.3
861.2
861.1
861
860.9
860.8

**Legend**

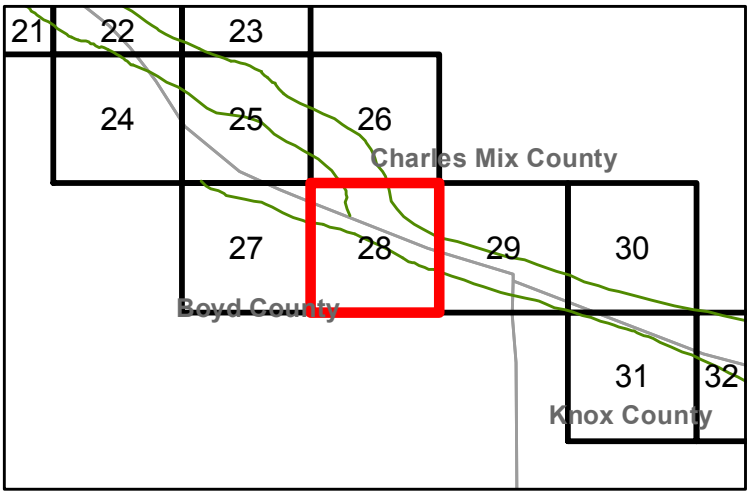
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

861.2
861.1
861
860.9
860.8
860.7
860.6
860.5
860.4
860.3
860.2
860.1
860
859.9
859.8
859.7
859.6

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

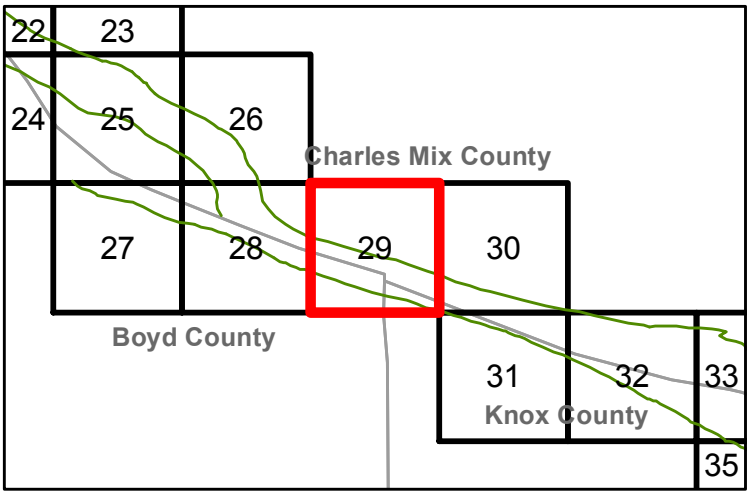
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

860
859.9
859.8
859.7
859.6
859.5
859.4
859.3
859.2

**Legend**

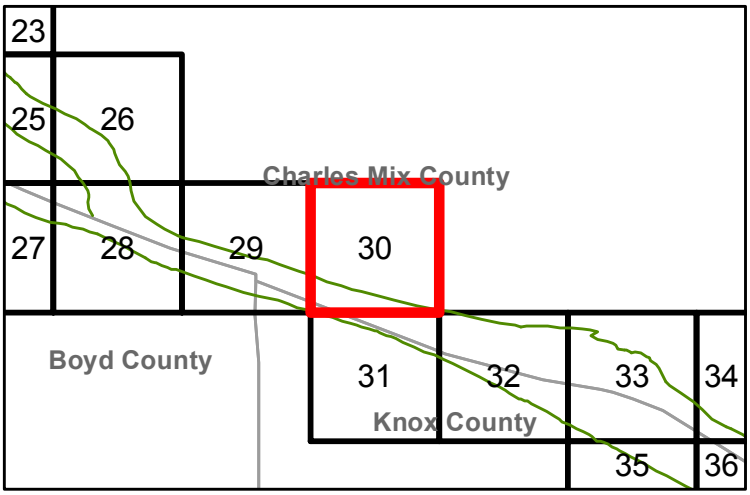
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



860 859.9 859.8 859.7 859.6 859.5 859.4 859.3 859.2 859.1 859 858.9 858.8 858.7 858.6 858.5 858.4

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

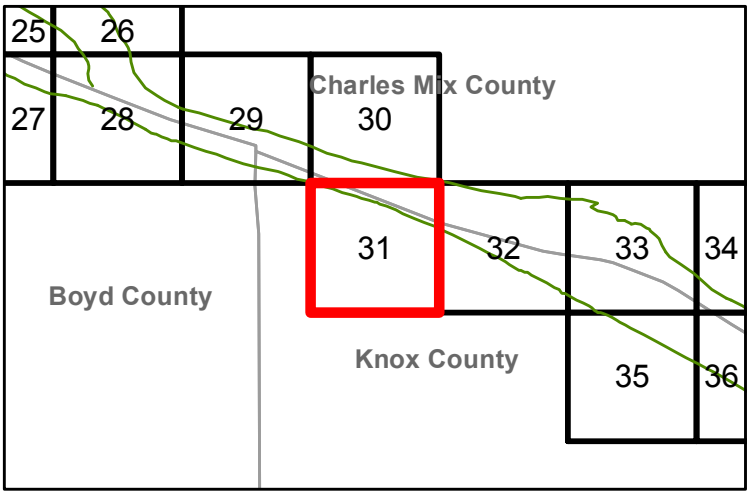
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

858.8
858.7
858.6
858.5
858.4
858.3
858.2
858.1
858
857.9
857.8
857.7
857.6
857.5
857.4
857.3
857.2

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

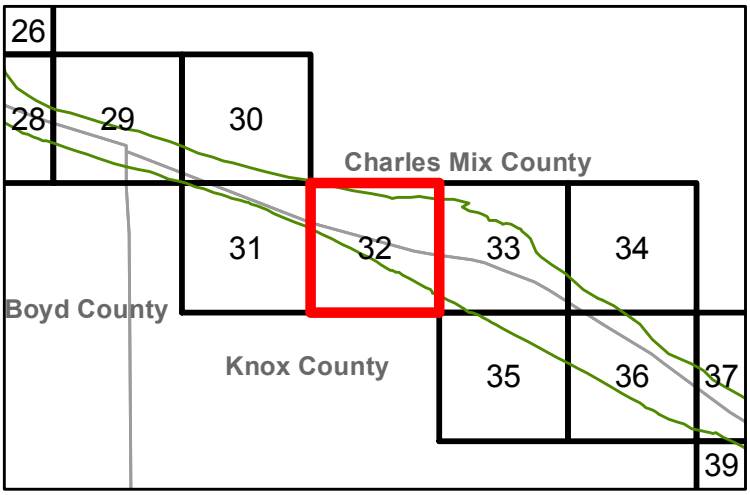
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

857.6
857.5
857.4
857.3
857.2
857.1
857
856.9
856.8
856.7

**Legend**

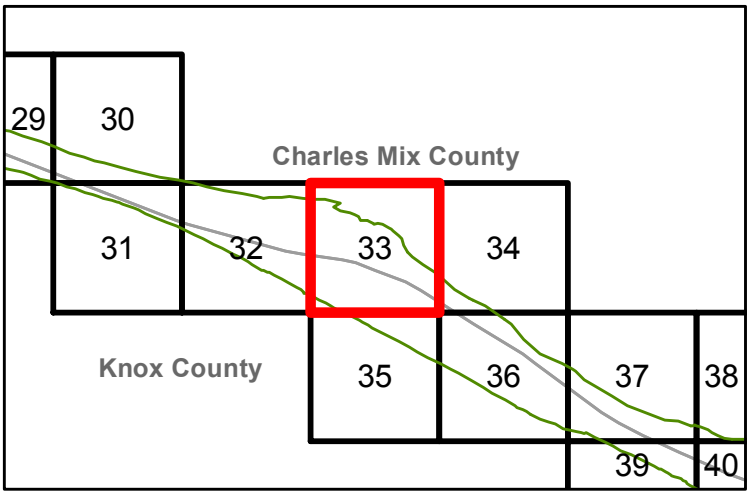
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

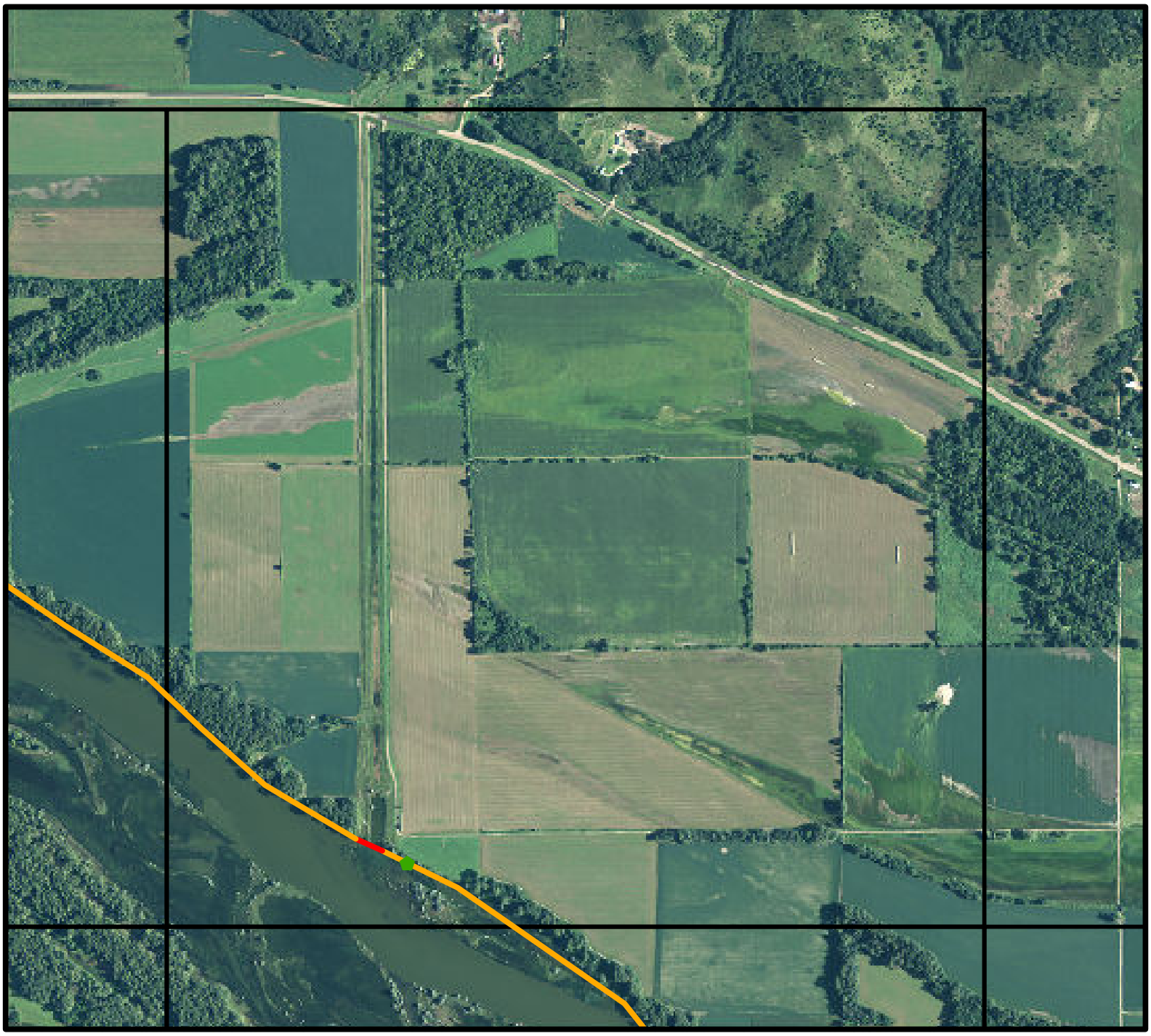
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011





**Legend**

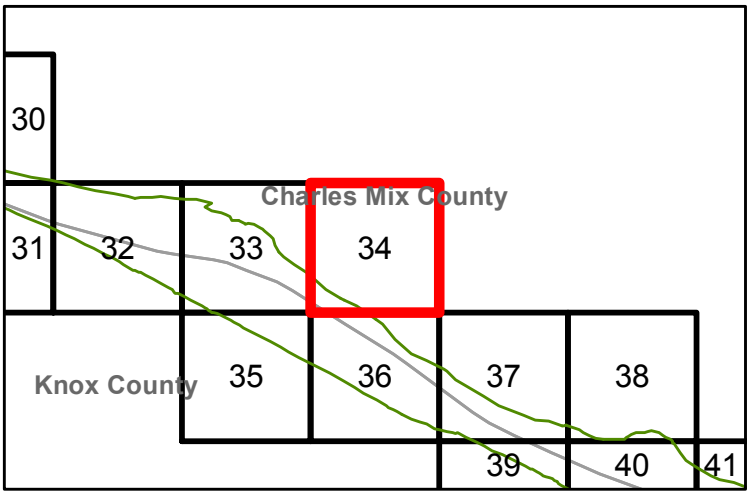
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

857.2
857.1
857
856.9
856.8
856.7
856.6
856.5
856.4
856.3
856.2
856.1
856
855.9

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

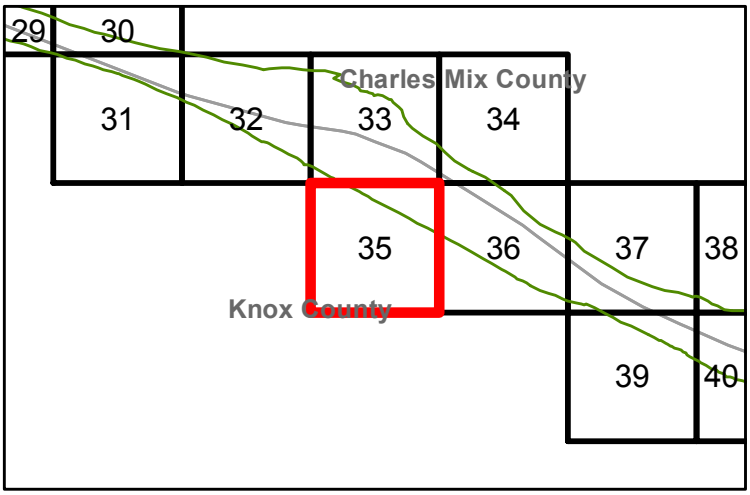
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

856.3
856.2
856.1
856
855.9
855.8
855.7
855.6
855.5
855.4
855.3
855.2
855.1
855
854.9
854.8
854.7

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

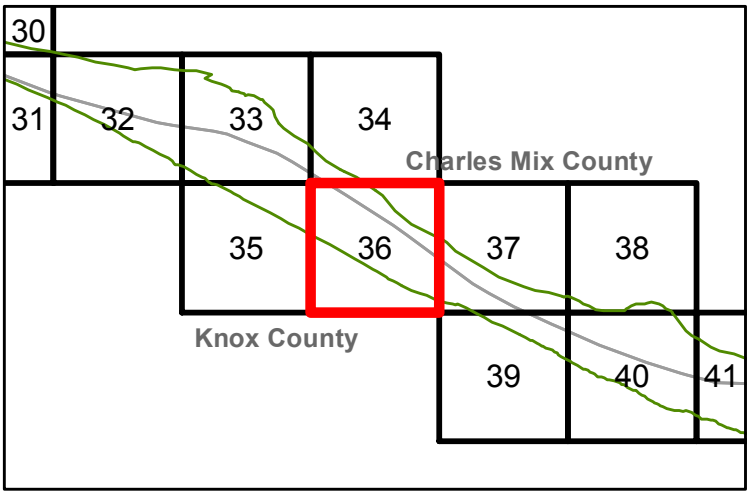
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

855.1
855
854.9
854.8
854.7
854.6
854.5
854.4
854.3
854.2
854.1

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

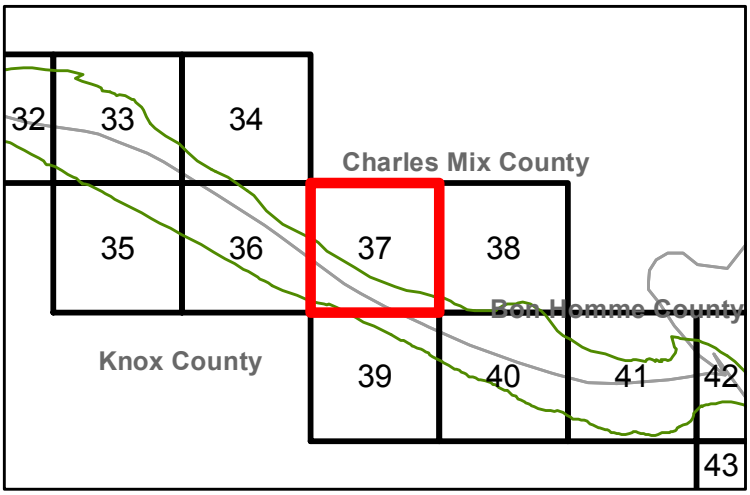
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

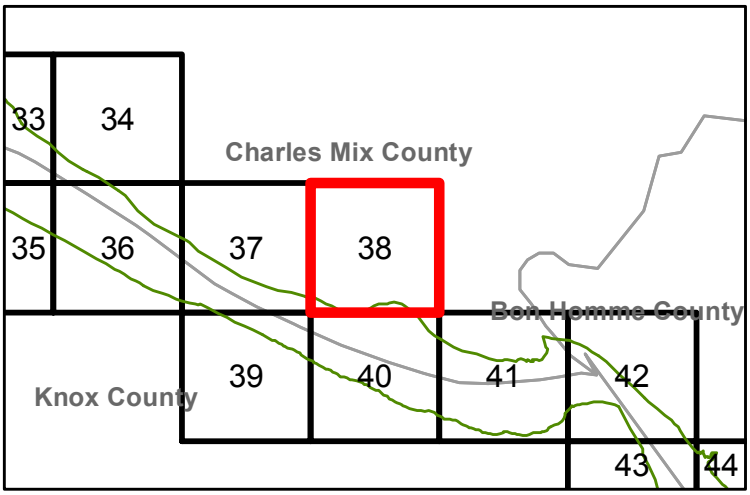
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

854.7
854.6
854.5
854.4
854.3
854.2
854.1
854
853.9
853.8
853.7
853.6
853.5

**Legend**

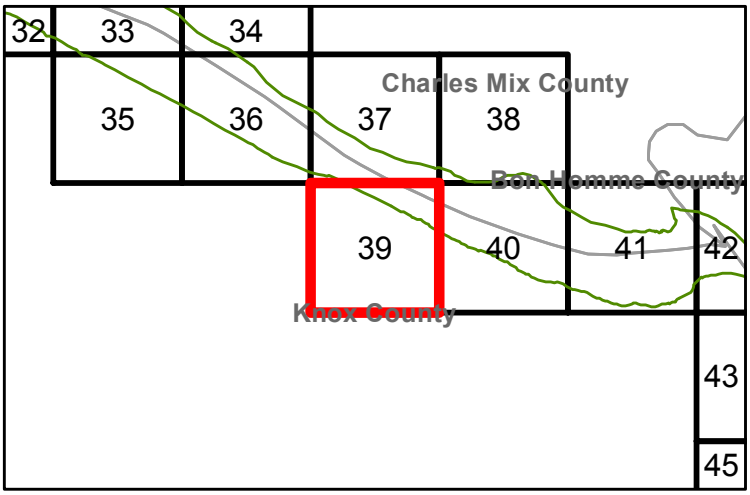
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

853.9
853.8
853.7
853.6
853.5
853.4
853.3
853.2
853.1
853
852.9
852.8
852.7
852.6
852.5
852.4
852.3

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

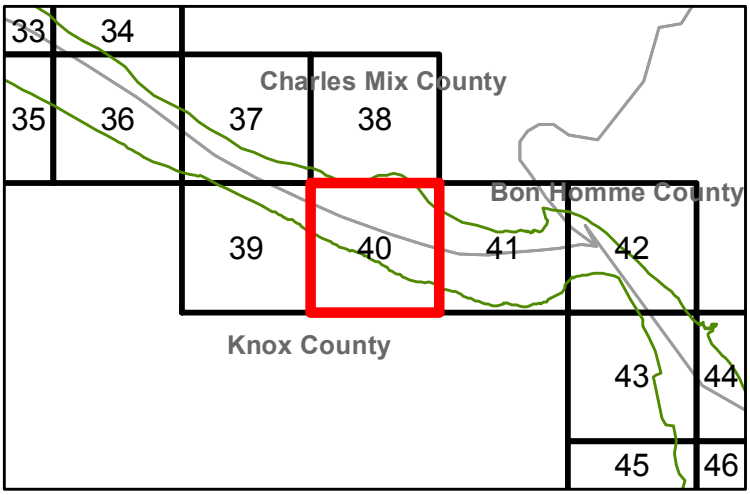
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

852.7
852.6
852.5
852.4
852.3
852.2
852.1
852
851.9
851.8
851.7
851.6
851.5
851.4
851.3
851.2

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

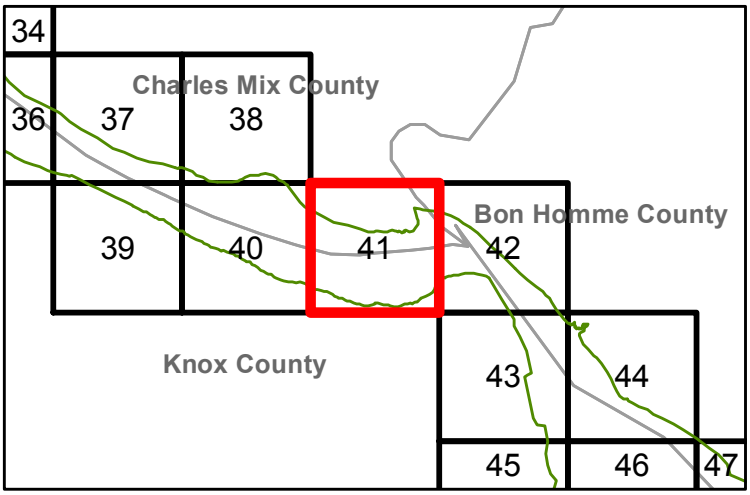
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

851.5
851.4
851.3
851.2
851.1
851
850.9
850.8
850.7
850.6
850.5
850.4
850.3
850.2

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

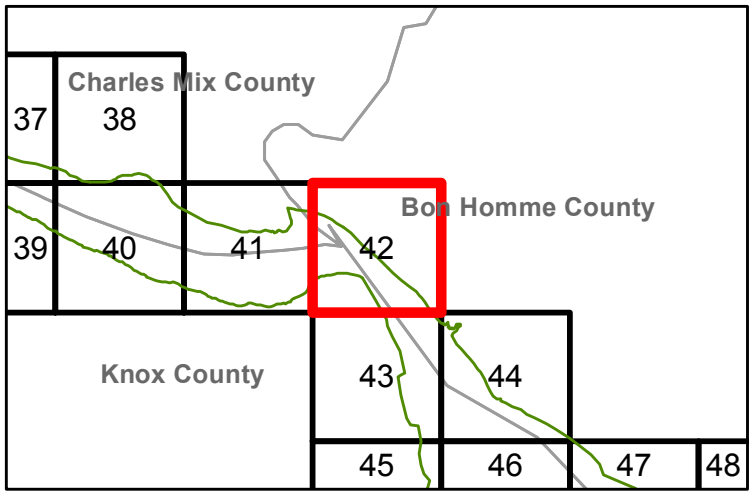
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

850.4
850.3
850.2
850.1
850
849.9
849.8
849.7
849.6

**Legend**

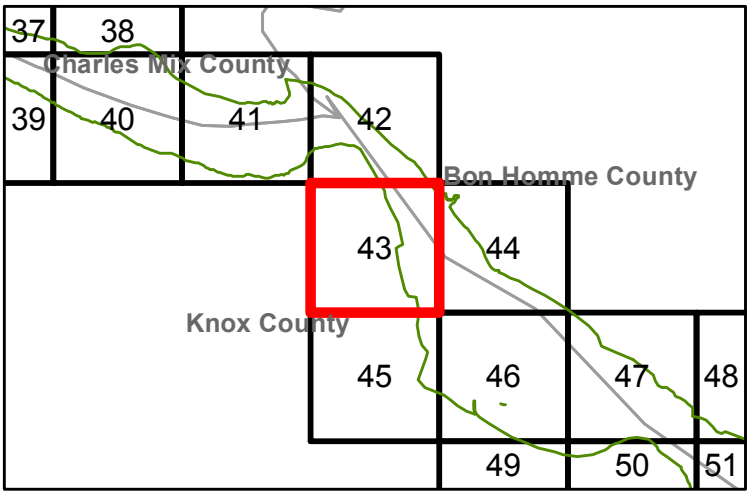
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

850.3
850.2
850.1
850
849.9
849.8
849.7
849.6
849.5
849.4
849.3
849.2
849.1
849
848.9
848.8
848.7
848.6
848.5
848.4

**Legend**

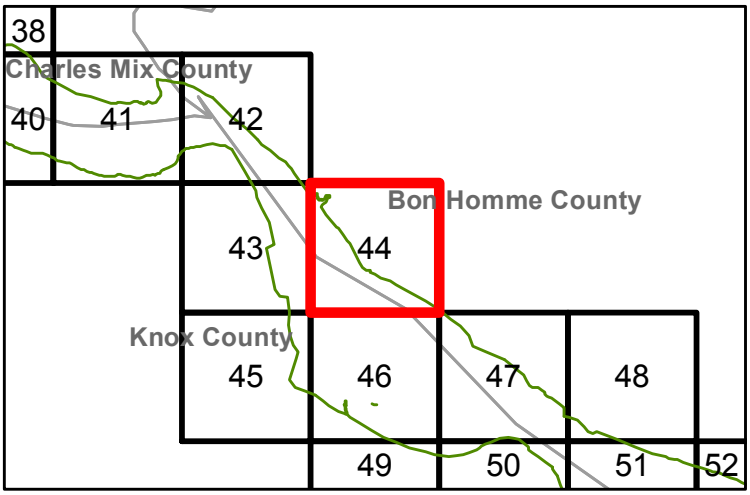
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

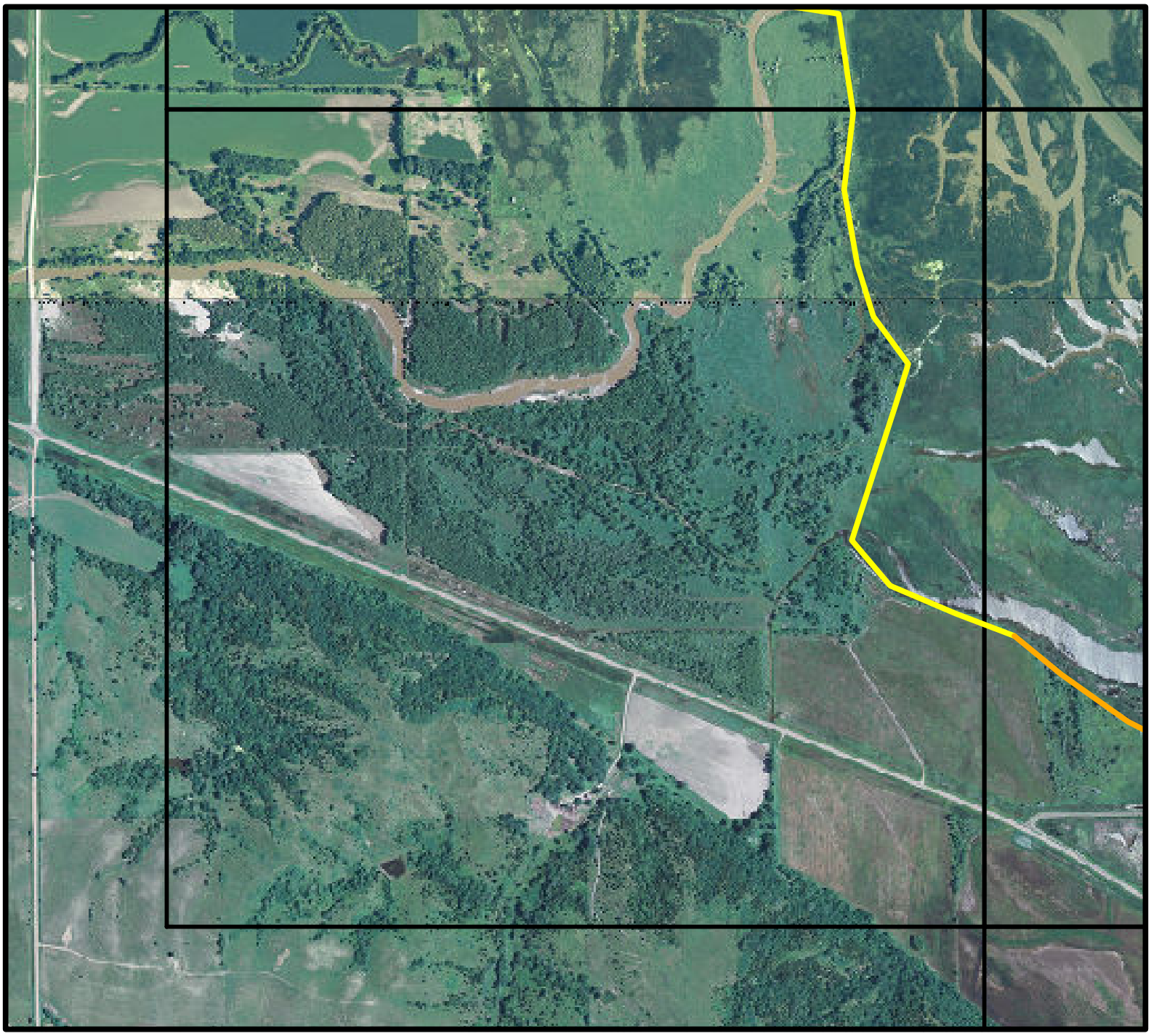
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



**Legend**

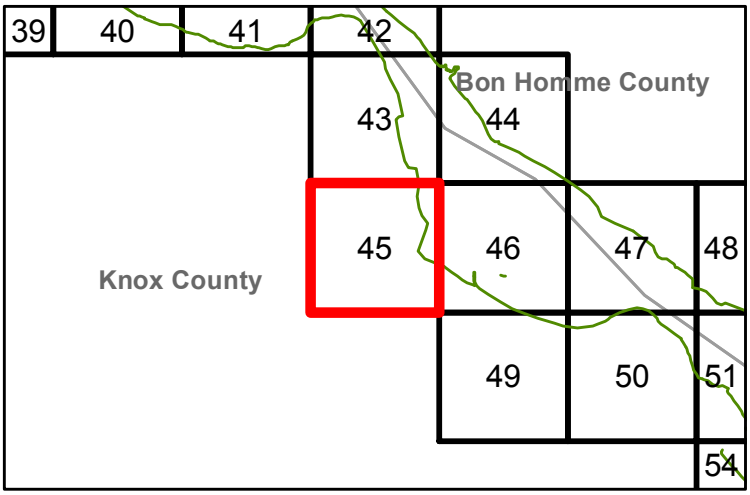
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

848.9
848.8
848.7
848.6
848.5
848.4
848.3
848.2

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

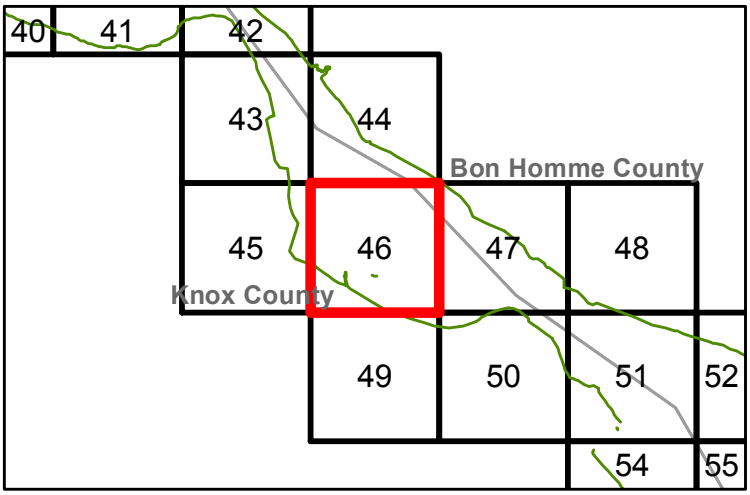
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

848.6
848.5
848.4
848.3
848.2
848.1
848
847.9
847.8
847.7
847.6
847.5
847.4
847.3
847.2
847.1
847
846.9
846.8
846.7

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

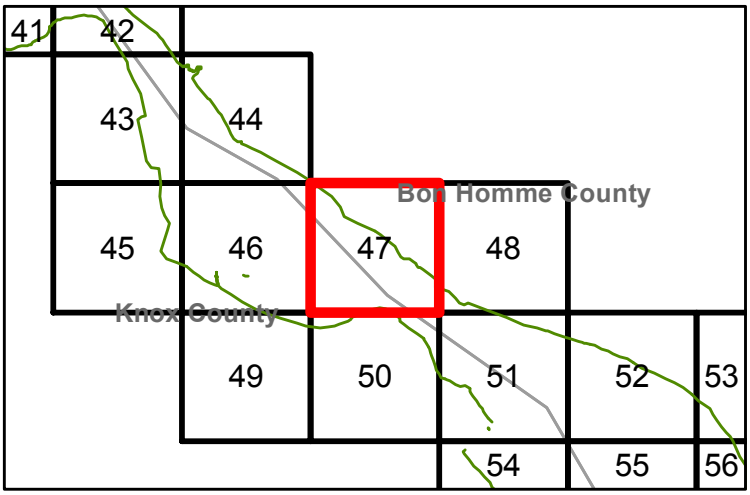
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

847.1
847
846.9
846.8
846.7

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

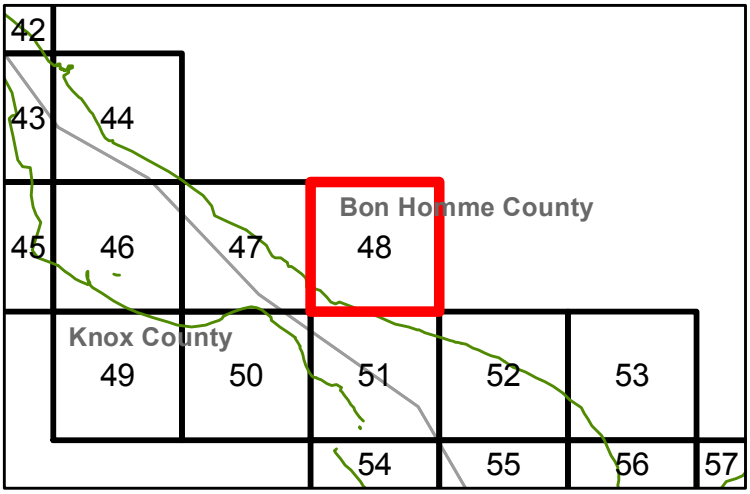
Bank Inventory Segments

Stabilization Status

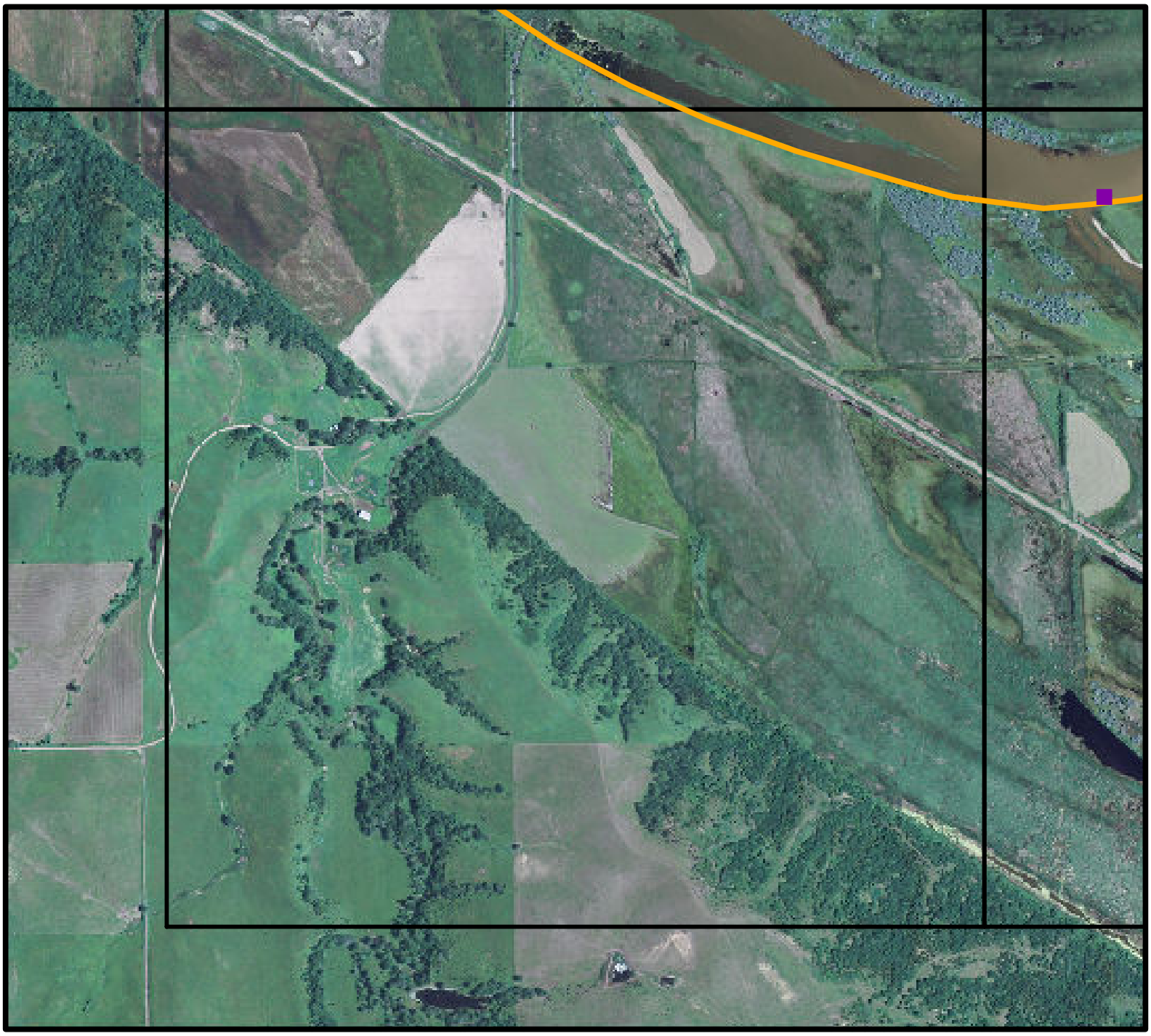
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

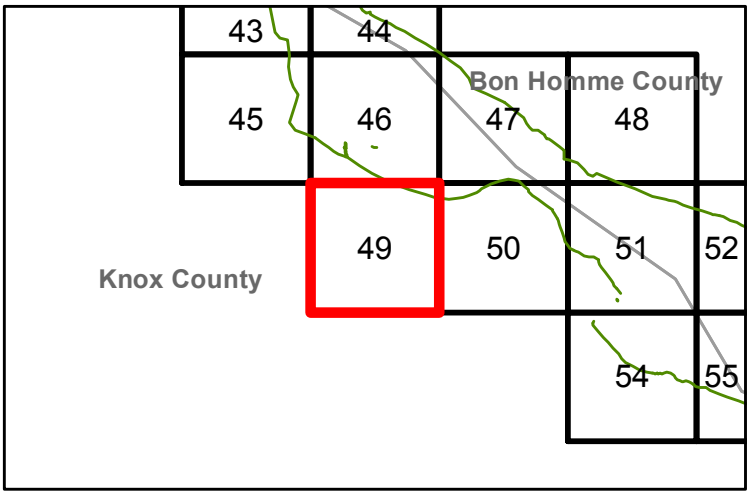
Bank Inventory Segments

Stabilization Status

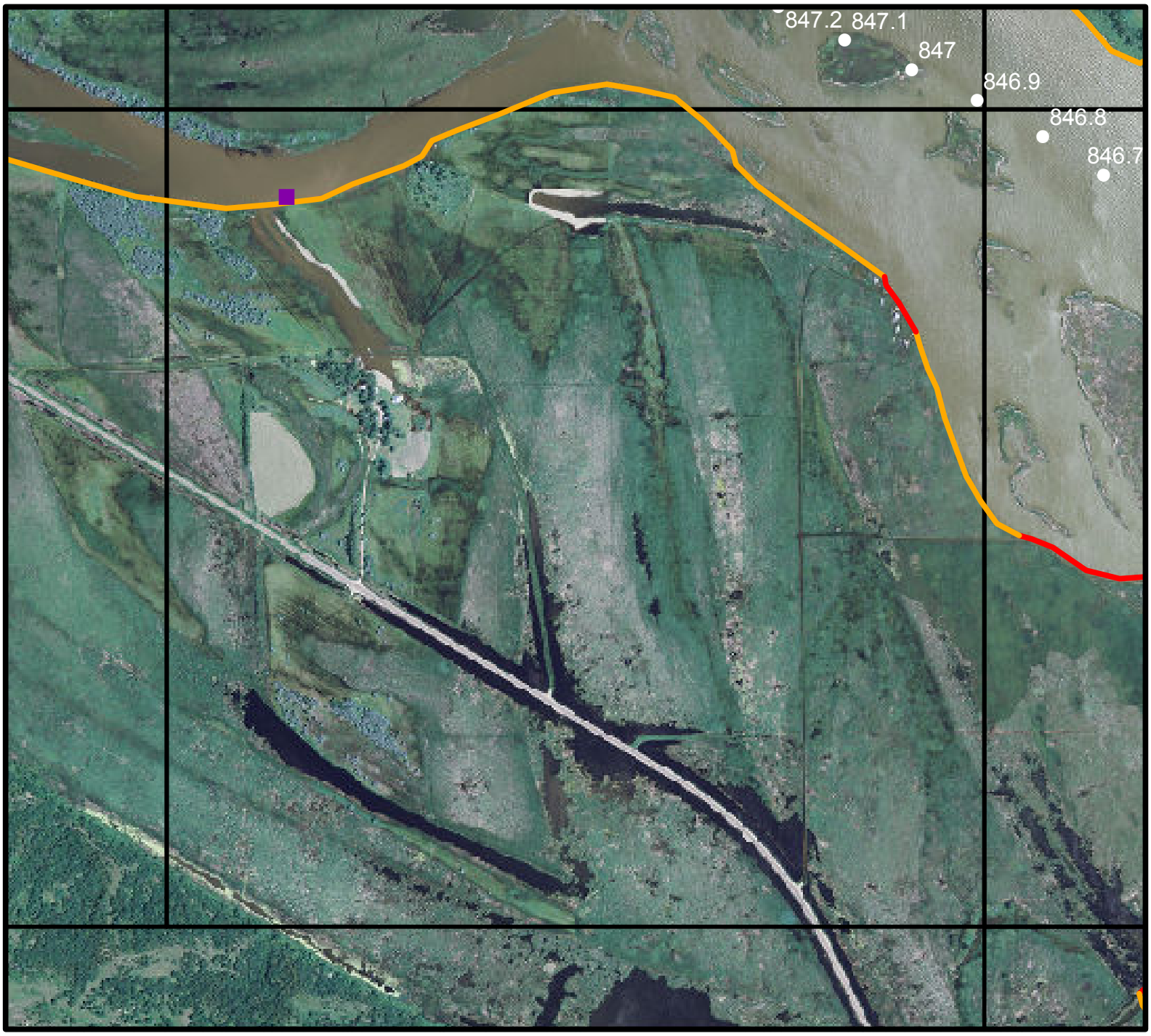
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011




**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

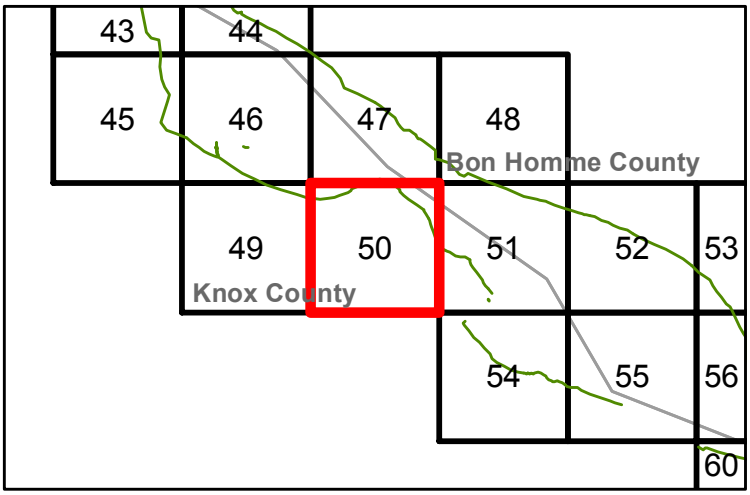
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

847.1
847
846.9
846.8
846.7
846.6
846.5
846.4
846.3
846.2
846.1
846
845.9
845.8
845.7
845.6
845.5
845.4
845.3
845.2
845.1
845
844.9

## Legend

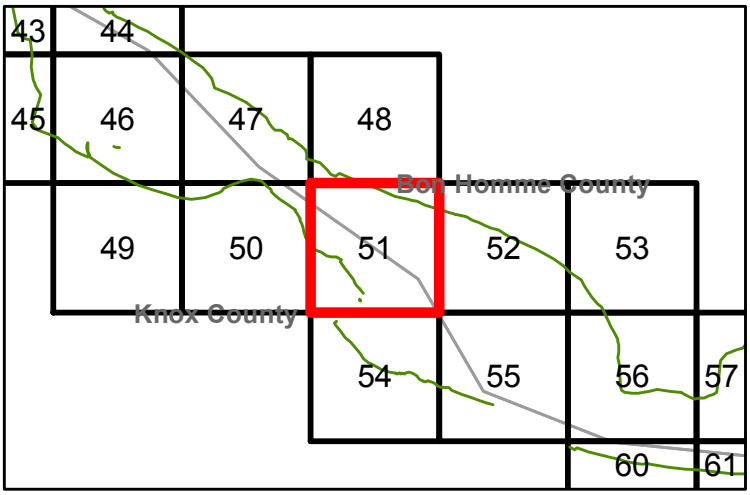
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



845.3
845.2
845.1
845
844.9
844.8
844.7
844.6

**Legend**

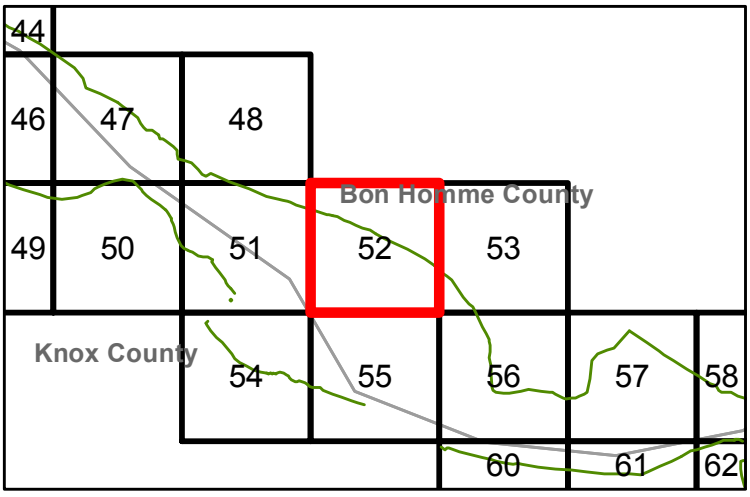
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

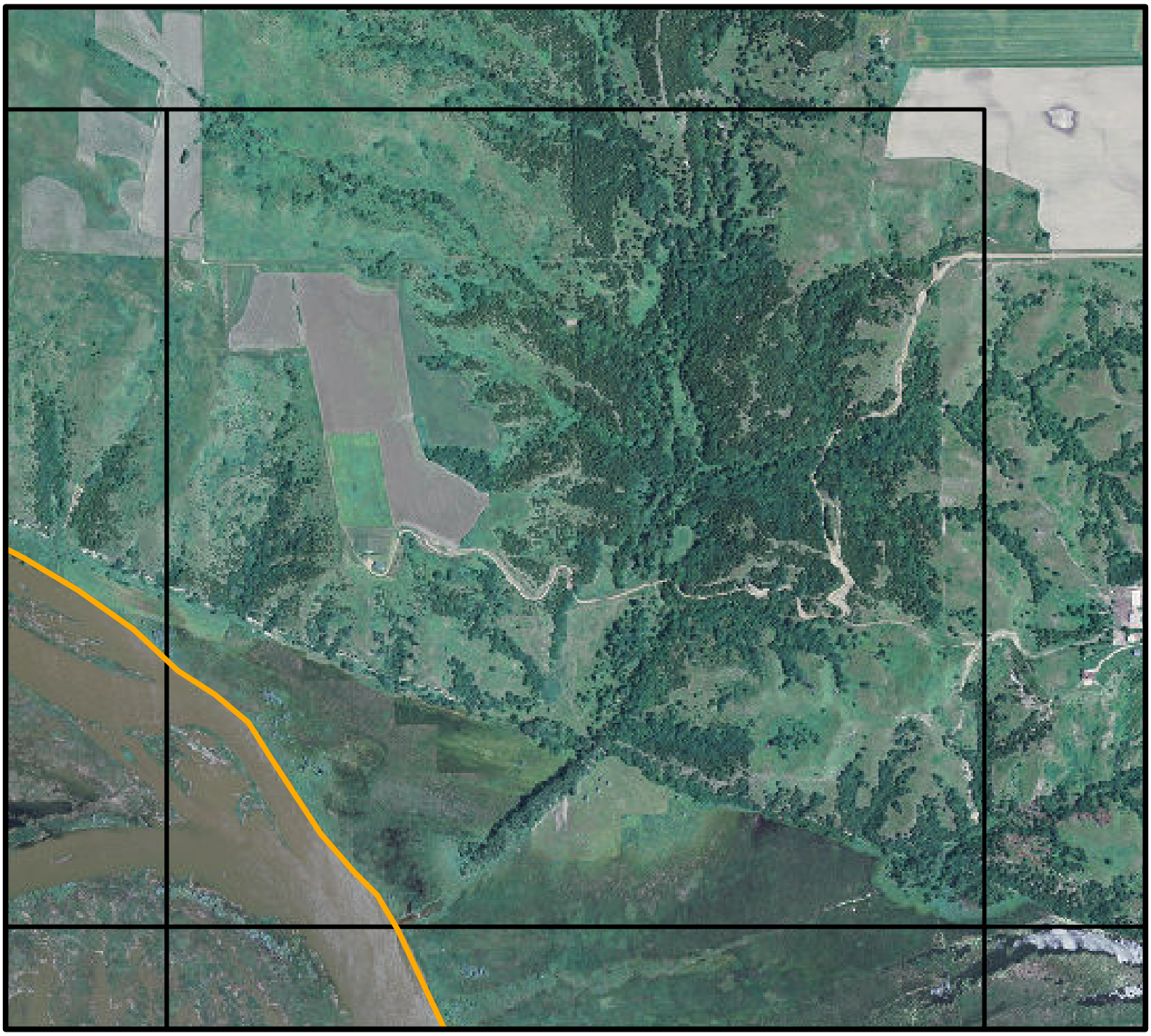
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011



**Legend**

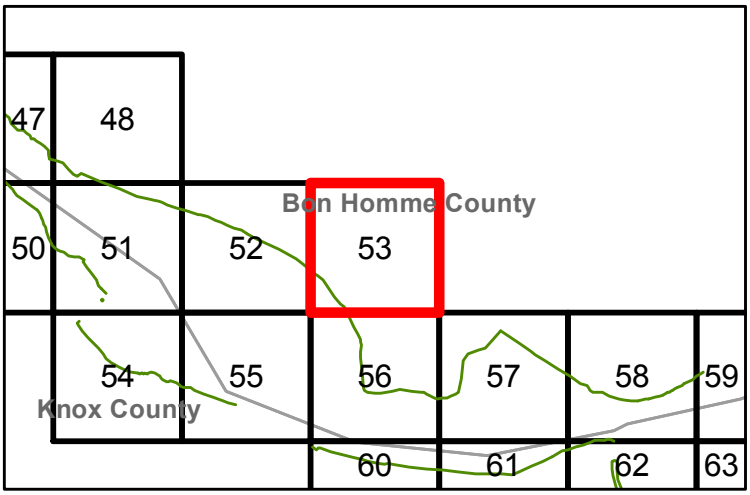
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

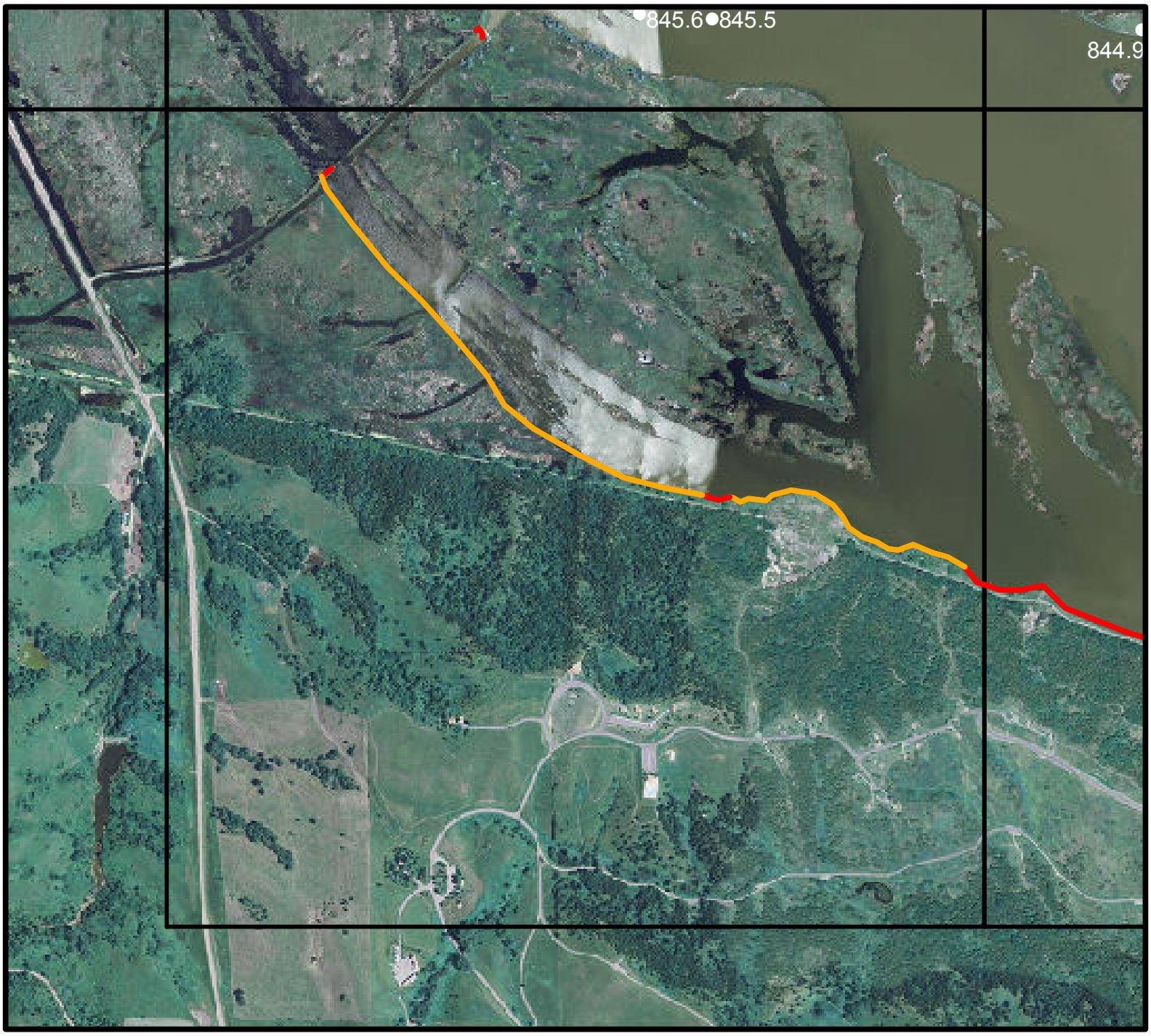
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011






**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

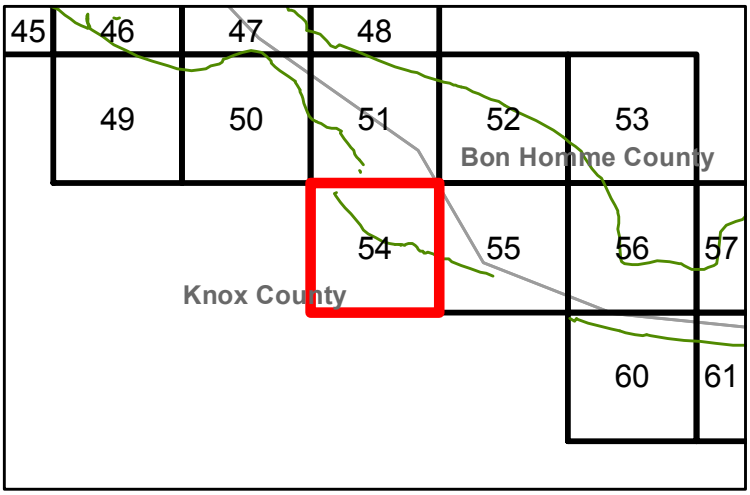
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



844.9
844.8
844.7
844.6
844.5
844.4
844.3
844.2
844.1
844
843.9
843.8
843.7
843.6
843.5
843.4

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

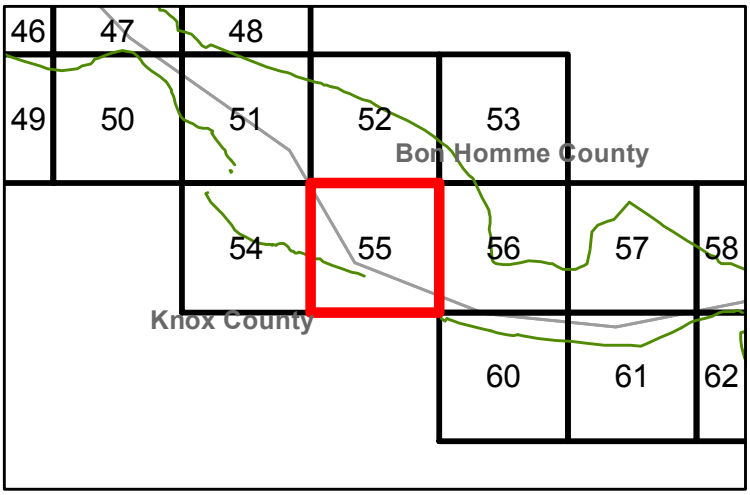
Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

843.8
843.7
843.6
843.5
843.4
843.3
843.2
843.1
843
842.9
842.8
842.7
842.6
842.5
842.4
842.3

**Legend**

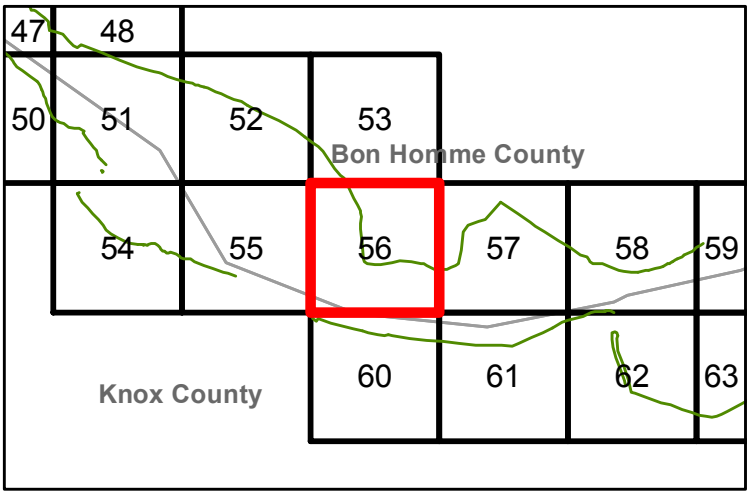
- Hard Points
- Cleanup Sites
- Stabilization Points
- Bank Inventory Segments

Stabilization Status

- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

842.6
842.5
842.4
842.3
842.2
842.1
842
841.9
841.8
841.7
841.6
841.5
841.4
841.3
841.2

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

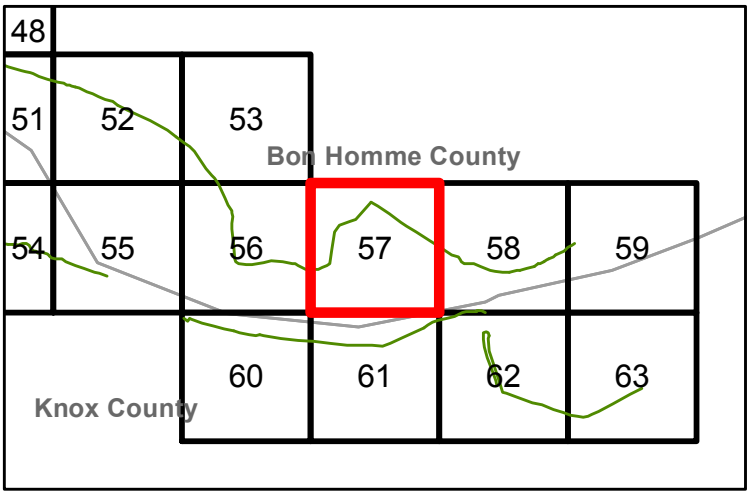
Bank Inventory Segments

Stabilization Status

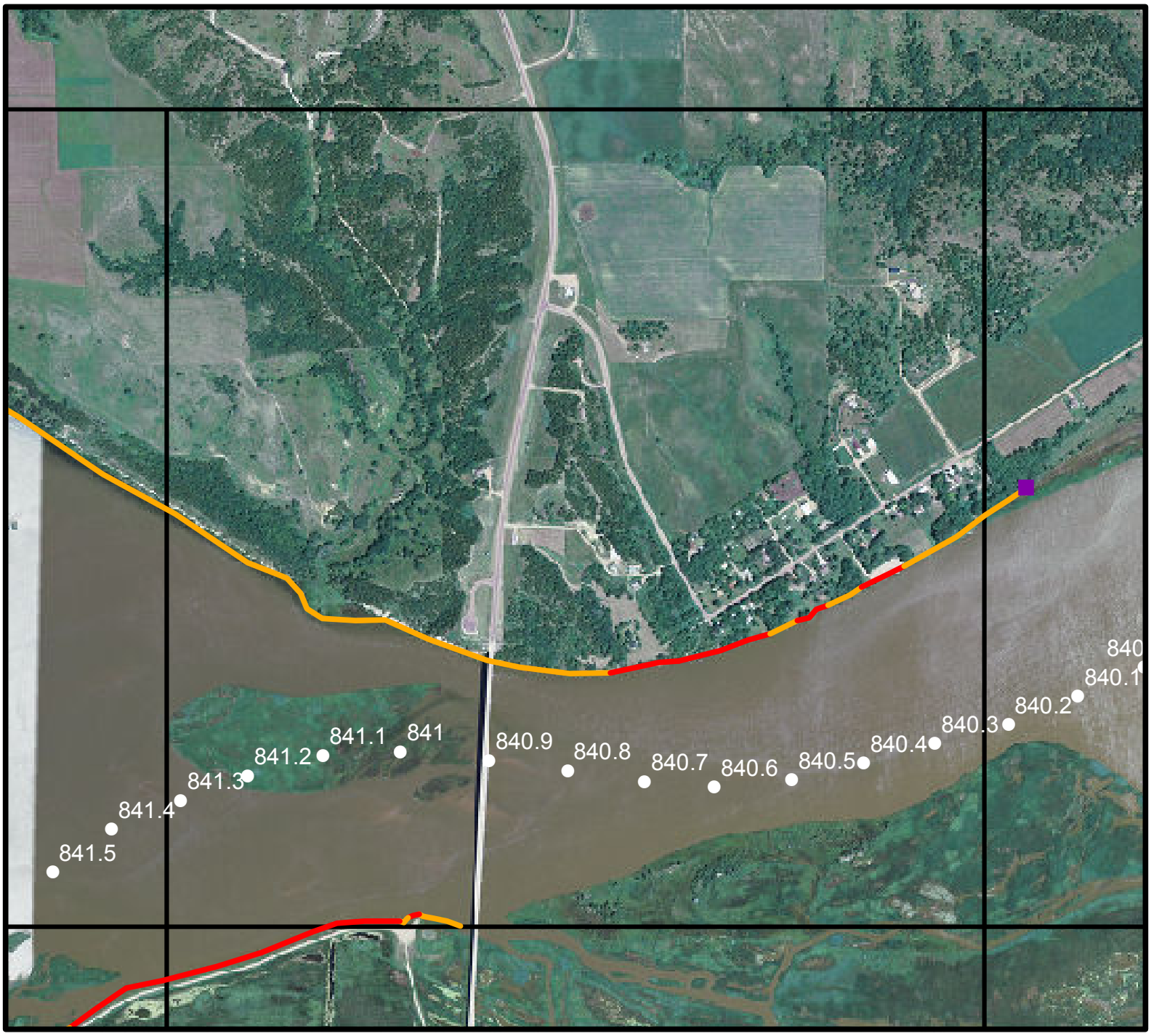
- Stabilized
- To Be Determined
- Unstabilized

N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011




**Legend**

- Hard Points
- Cleanup Sites
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Bank Inventory Segments

Stabilization Status

- Stabilized
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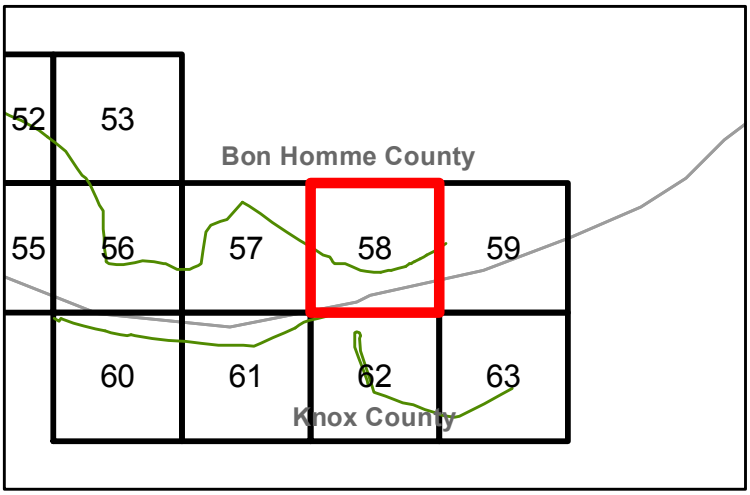
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

Bank Inventory Segments

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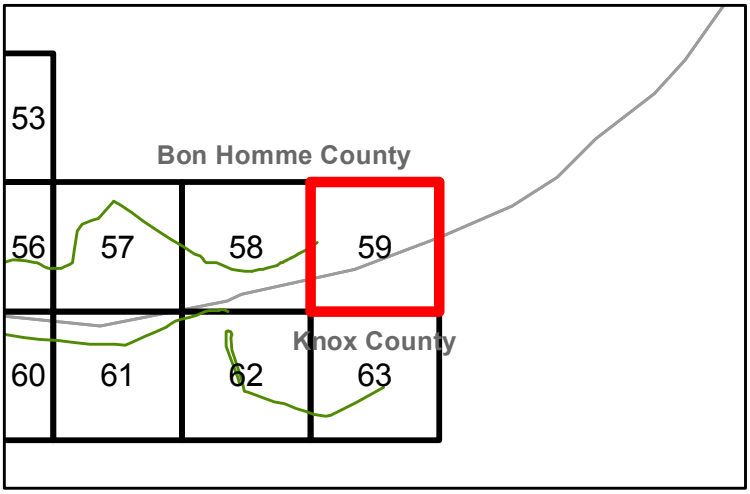
N

0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011

842.9
842.8
842.7
842.6
842.5
842.4
842.3

**Legend**

- Hard Points
- Cleanup Sites
- Stabilization Points

Bank Inventory Segments

Stabilization Status

- Stabilized
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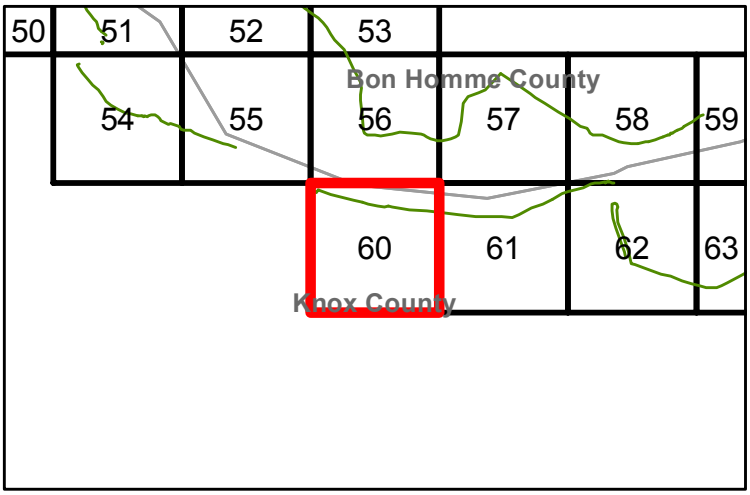
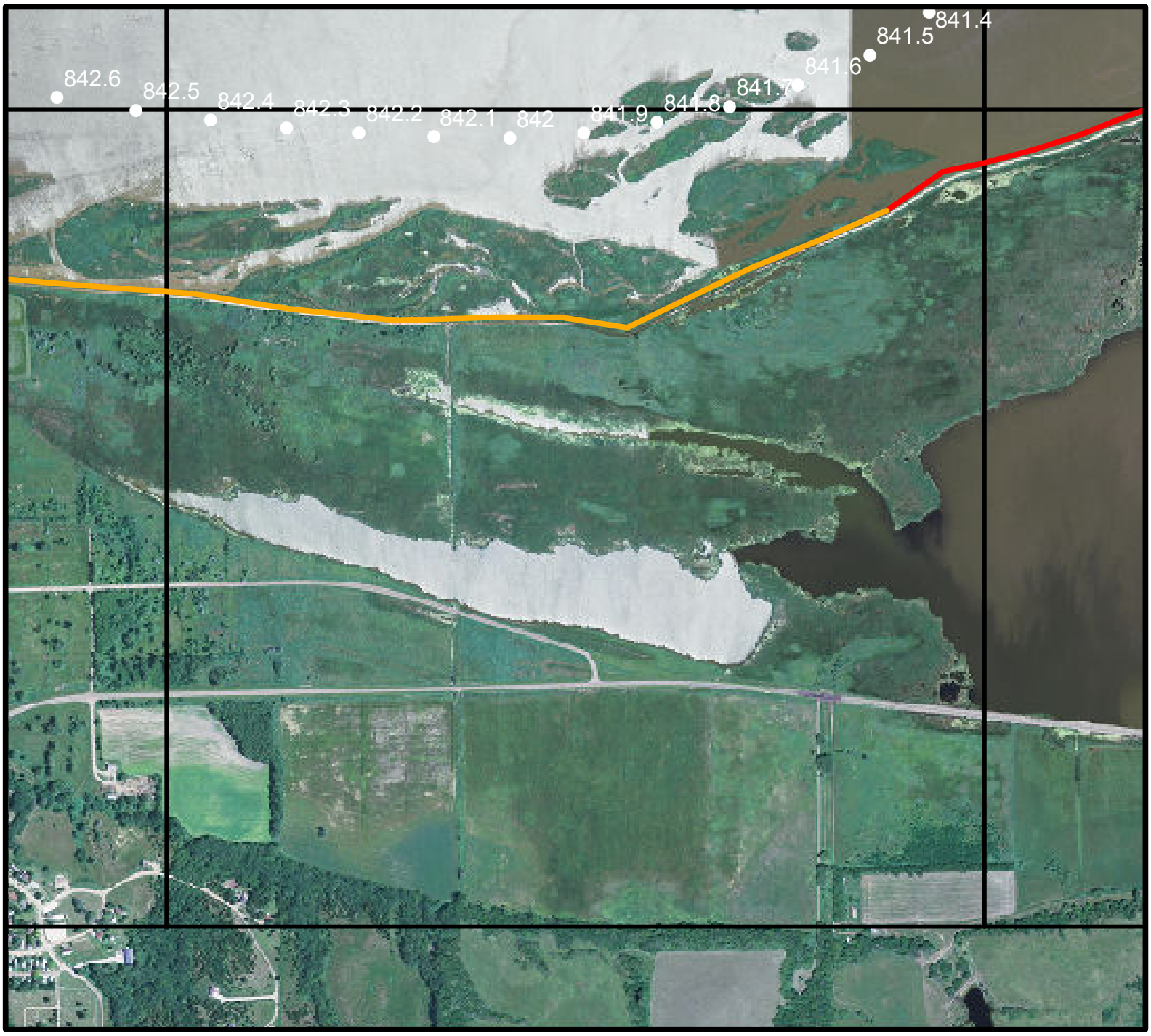
0 0.075 0.15 0.3 Miles



# Bankline Inventory 2011




**Legend**

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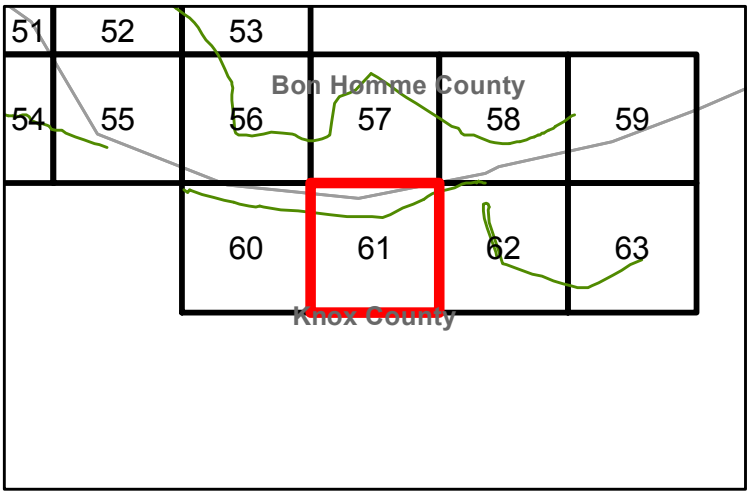
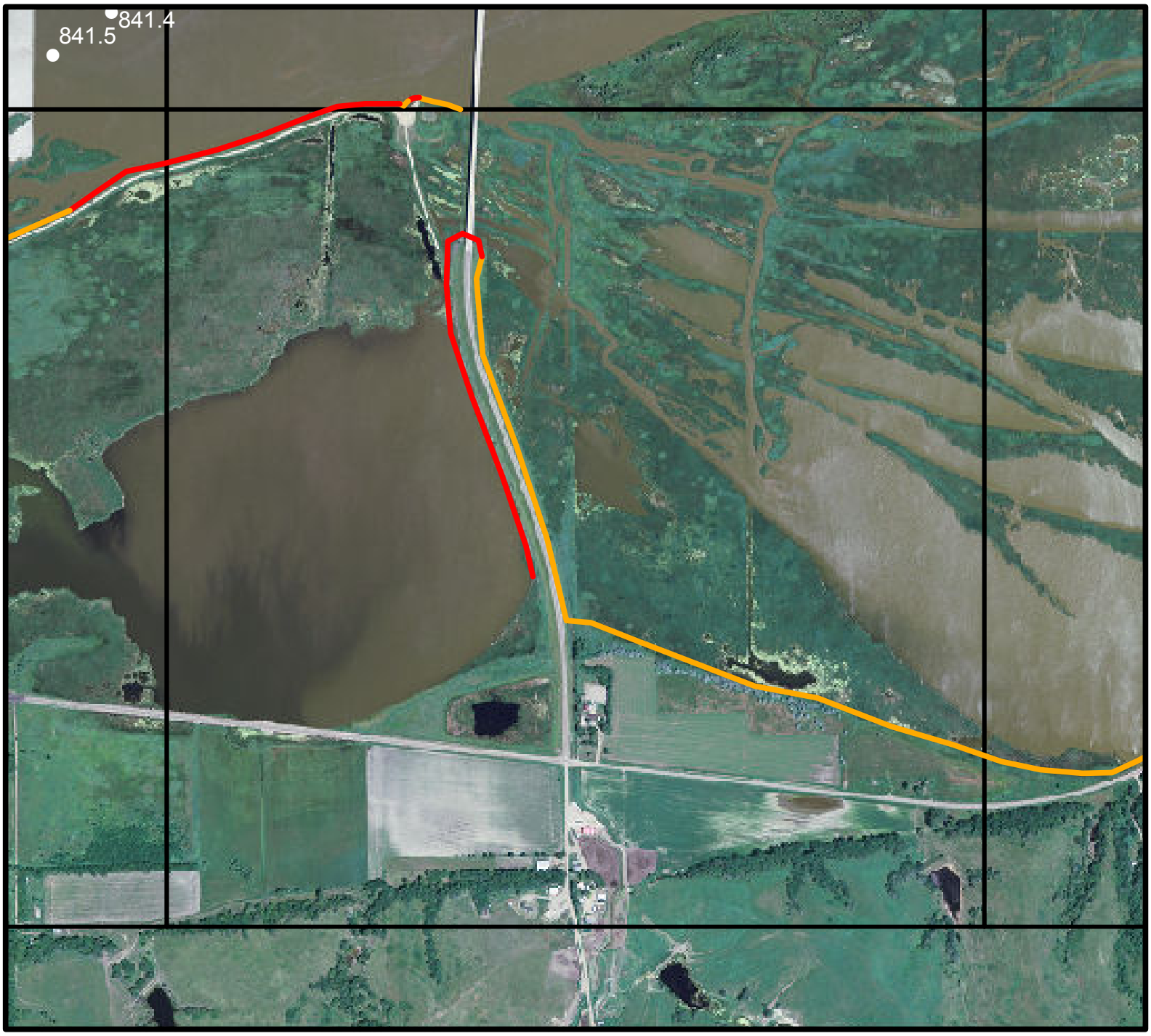


# Bankline Inventory 2011




**Legend**

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Bank Inventory Segments

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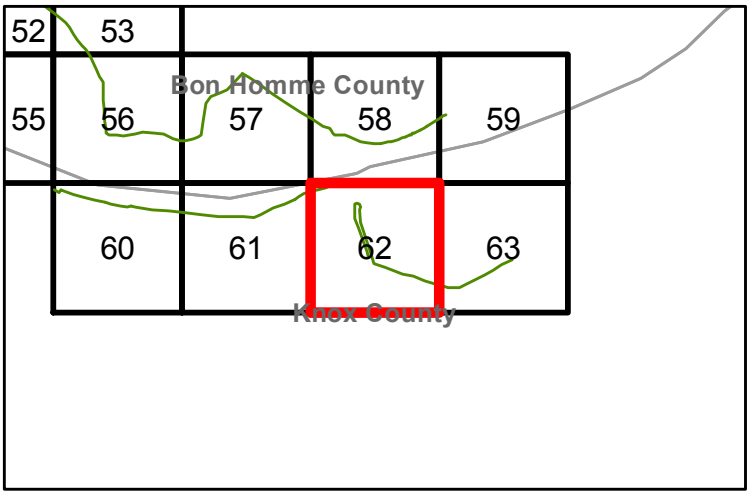
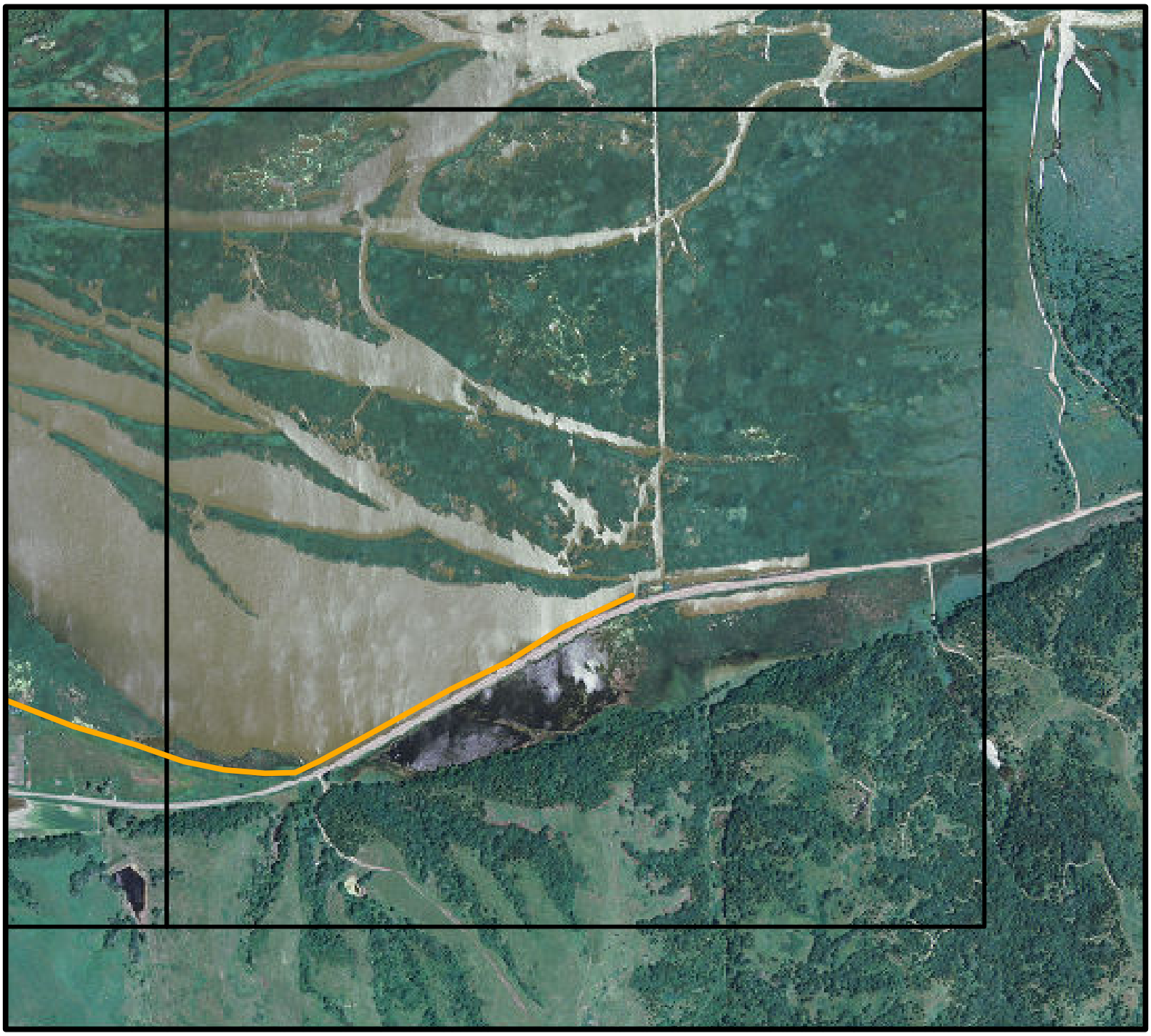
N

0 0.075 0.15 0.3 Miles





**Legend**

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- Stabilization Points

Bank Inventory Segments

Stabilization Status

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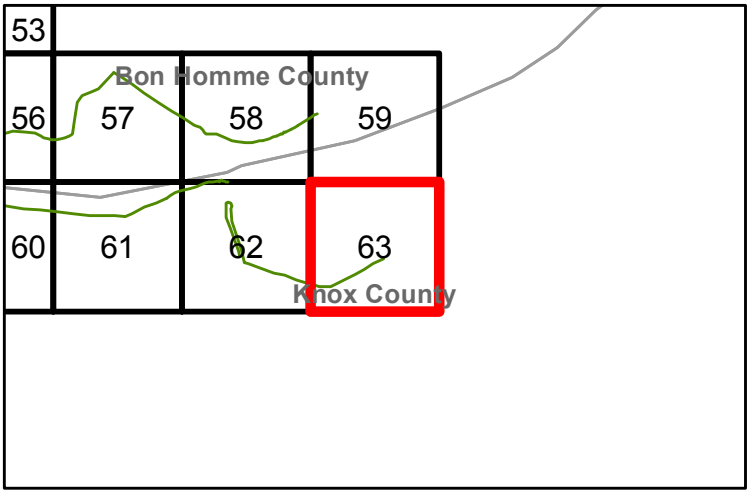
N

0 0.075 0.15 0.3 Miles