

# Marsh Creek Drain

## Board of Determination

Fremont Township Hall

December 5th, 2016

6:30 PM



**Brian J. Wendling**

**Saginaw County Public Works Commissioner**

# Meeting Agenda

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- I. Introduction
- II. Outline of the Board of Determination Procedure
- III. Opening of Board of Determination Meeting
- IV. Inspection Report
- V. Public Testimony - (3 minutes per person.)
- VI. Vote of Board of Determination
- VII. Appeal Procedures and Closing Comments
- VIII. Adjournment

# Description of Drain Process

- Petition (Requires min. 5 signatures)
- Board of Determination – Board is Impartial Parties appointed by Mr. Brian Wendling
- Board Votes – after reviewing presentation and hearing public testimony.
  - ▣ If Vote Yes = Move forward with a project (typically hire engineering firm to survey/engineer/bid/construct). Final project costs determined after bids received for construction.
  - ▣ If Vote No = No work completed on the drain.

# Role of the B.O.D.

- The Board of Determination's role is to make two decisions:
  1. Whether the project is necessary based on public health, welfare, or convenience.
  2. Whether a portion of the cost is to be assessed at-large to the municipalities.

# Role of B.O.D. (cont.)

- The Board of Determination DOES NOT decide:
  - ▣ The scope of the project
  - ▣ The cost of the project
  - ▣ How much property owners and municipalities are assessed for the project

Information on these topics will be made available at a later date. Please see a member of the Public Works Commissioner's staff after the meeting if you have questions.

# Public Comment

- *Please fill out a comment card.*
- The speaking order will be on a first come, first served basis.
- State your full name and address. Spell your last name for the court reporter.
- Limit comments to 3 minutes.

# Public Comment (cont.)

- Briefly state your position on the petition for the Marsh Creek Drain. For example: “I support the petition for the Marsh Creek Drain because . . .” or “I oppose the petition for the Marsh Creek Drain because . . . .”
- Remember to stay on topic! Comments for tonight’s meeting are limited to the current petition for the Marsh Creek Drain only.
- The Public Works Commissioner’s staff will gladly speak with you on other topics after the conclusion of tonight’s meeting.

# Drainage District Map

Jonesfield Twp

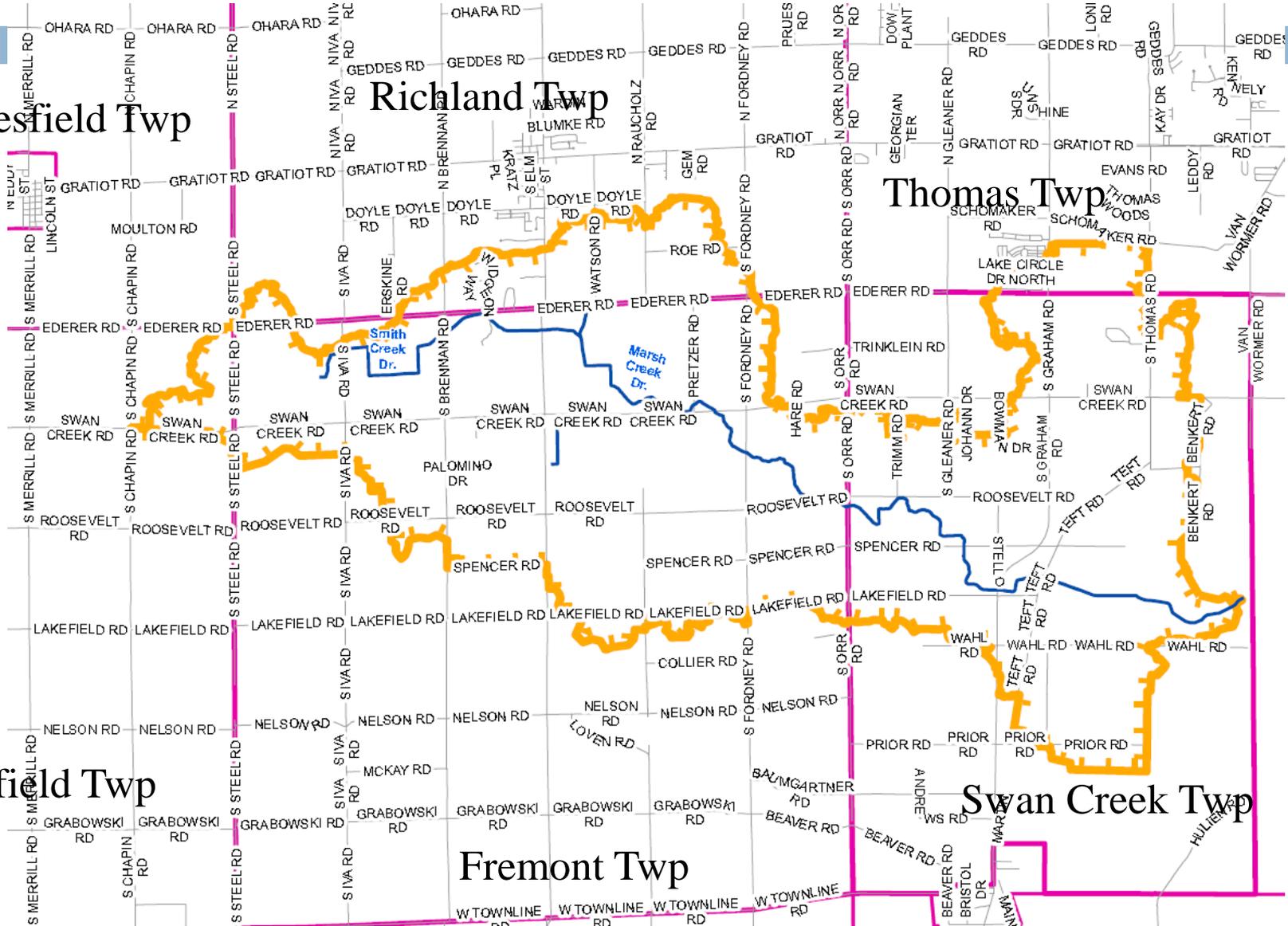
Richland Twp

Thomas Twp

Lakefield Twp

Swan Creek Twp

Fremont Twp



# Drain Facts

- Marsh Creek Drain
  - ▣ Approximately 9.5 miles long (50,260 feet)
  - ▣ Watershed area: 18,785 acres (29.35 sq. miles)
- What is the drainage district?
  - ▣ Lands that contributes storm water to drain
  - ▣ Drainage District serves as the special assessment district
  - ▣ Marsh Creek Drain Drainage District includes:
    - Fremont, Lakefield, Richland, Swan Creek & Thomas Townships
    - Saginaw County
    - Michigan Department of Transportation
    - Mid-Michigan Railroad
    - Landowners – Approximately 1,716 parcels

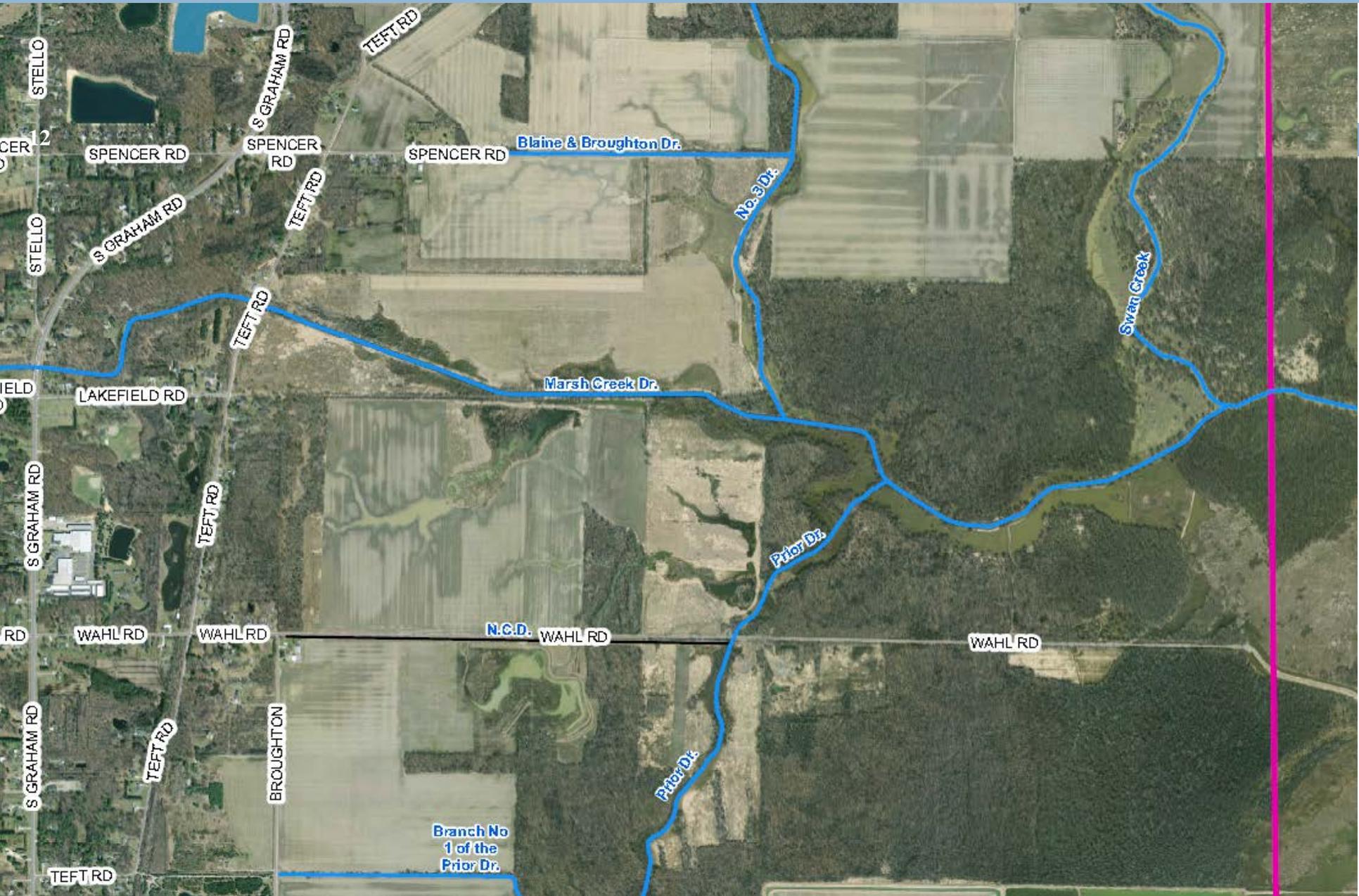
# Drain Facts continued

- The Marsh Creek Drain was established in 1900. It was cleaned out via petition in 1919, 1944 and 1967.
- Maintenance to fix bank erosion was completed in December 1997.
- In 2002, there was an Eagle Scout project, where 25 scouts removed debris and underbrush from the drain – from the Rail Trail downstream to Teft Road.
- The current petition was filed on August 16, 2016. The petition was circulated by Kandance Ward and signed by 5 Freeholders.

# Drain Inspection

- On November 15, 2016 an engineering field review of the Drain was completed as a result of the petition filed with the Public Works Commissioner. The following was observed:
  - The drain flows through agricultural and rural residential areas.
  - Portions of the drain are obstructed by brush and deadfall.
  - Many reaches of the drain have stagnant water possibly due to sediment and downstream deadfall.
  - Most of the road crossings were bridges with no obvious restrictions on flow (besides trees/log jams).
  - Minimal bank erosion was evident from the road crossings.
  - Portions of the drain appear to be in good shape.

# Marsh Creek – Location Map



# Teft Road



Looking  
Downstream



Looking  
Upstream

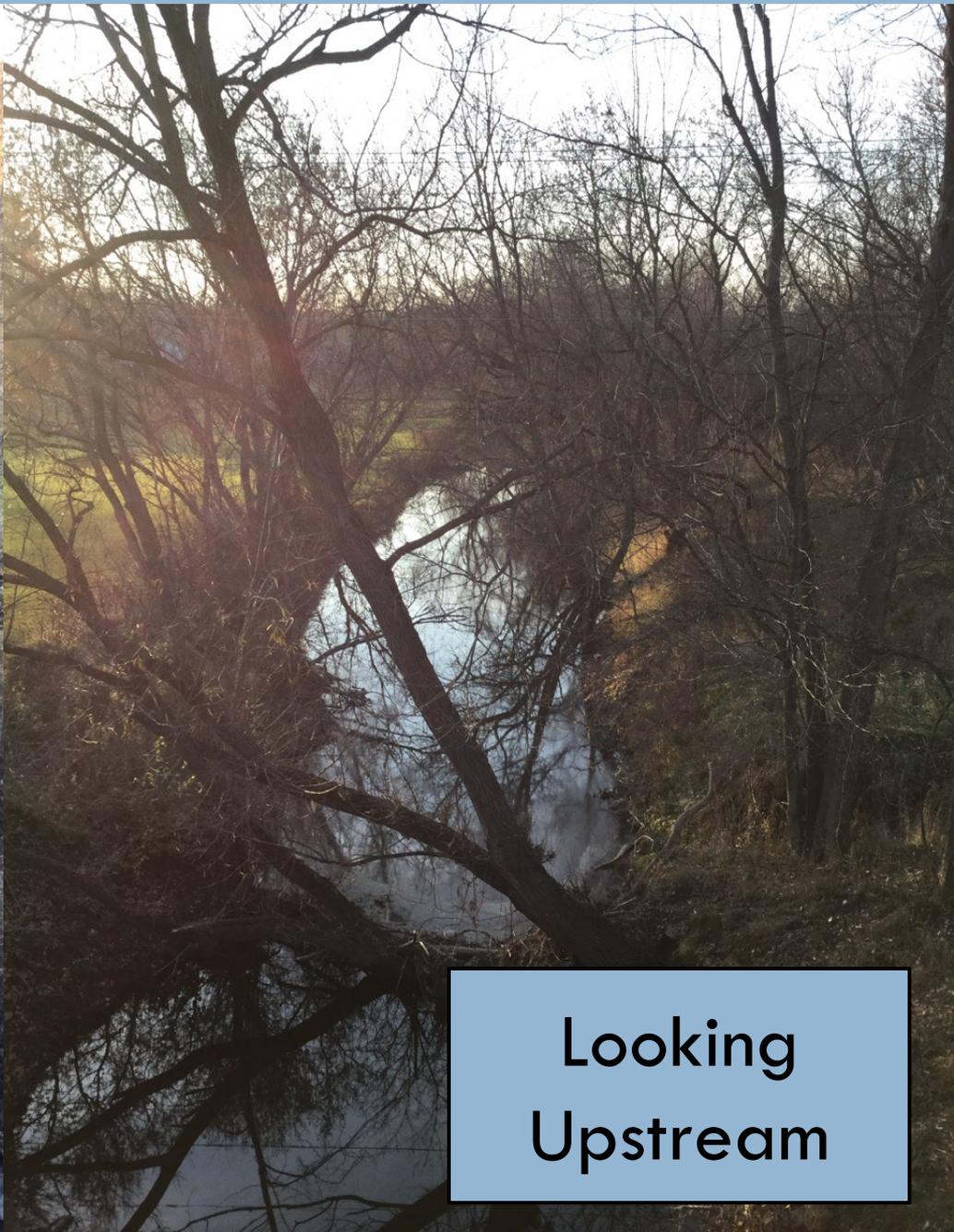
# Teft Road Bridge



# Graham Road



Looking  
Downstream



Looking  
Upstream

# Graham Road (M-52) Culvert



# Spencer Road

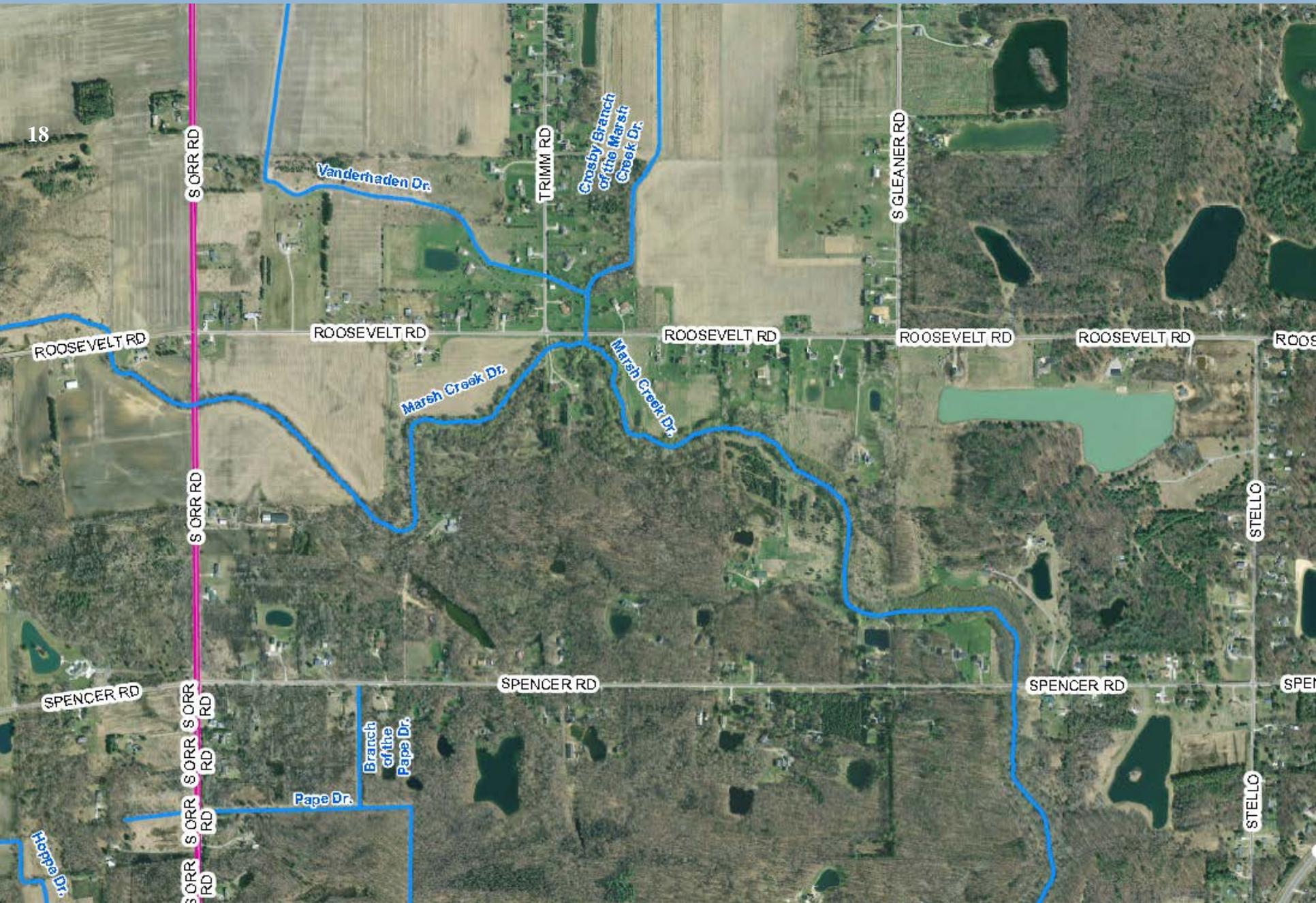


Looking  
Downstream

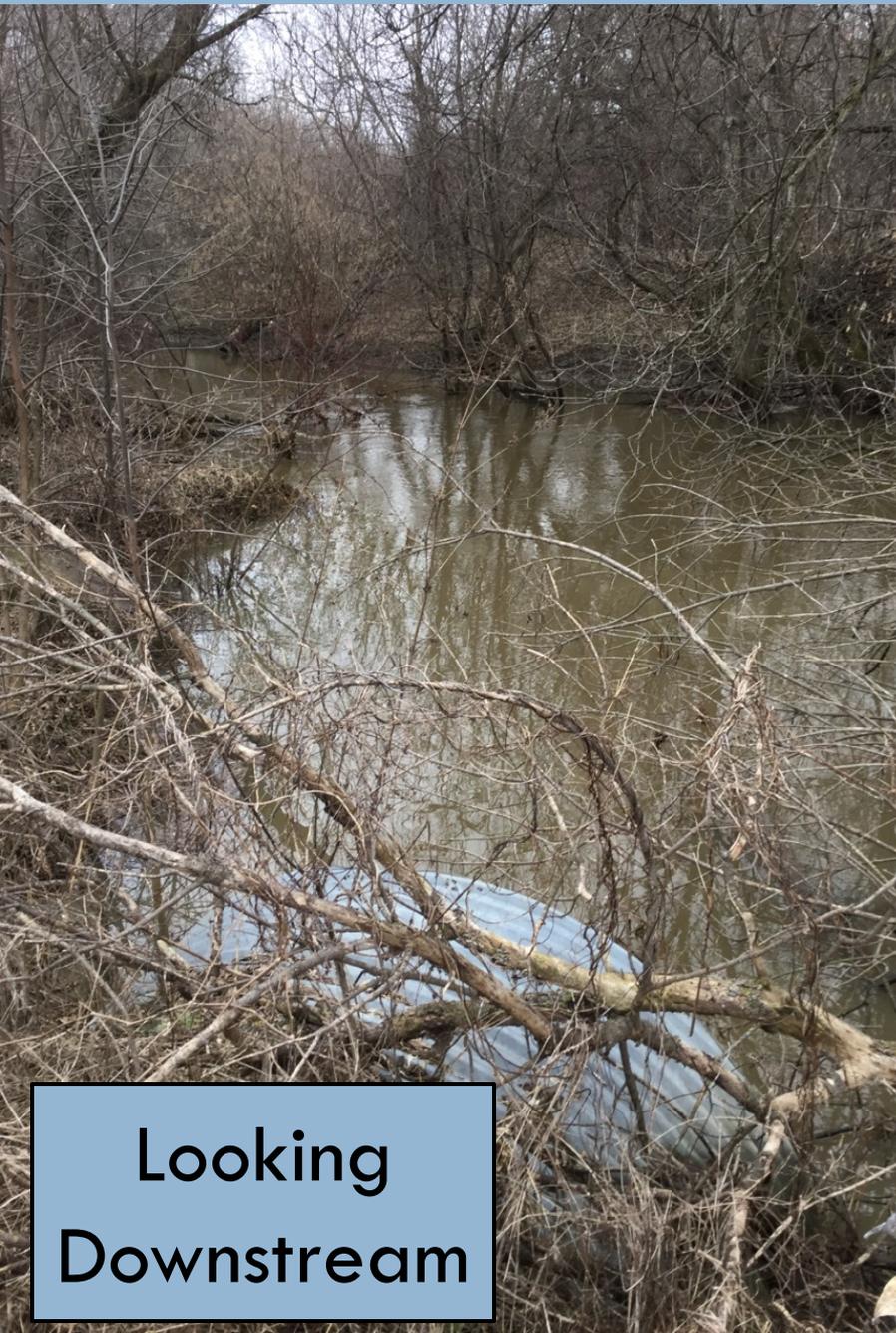


Looking  
Upstream  
(North)

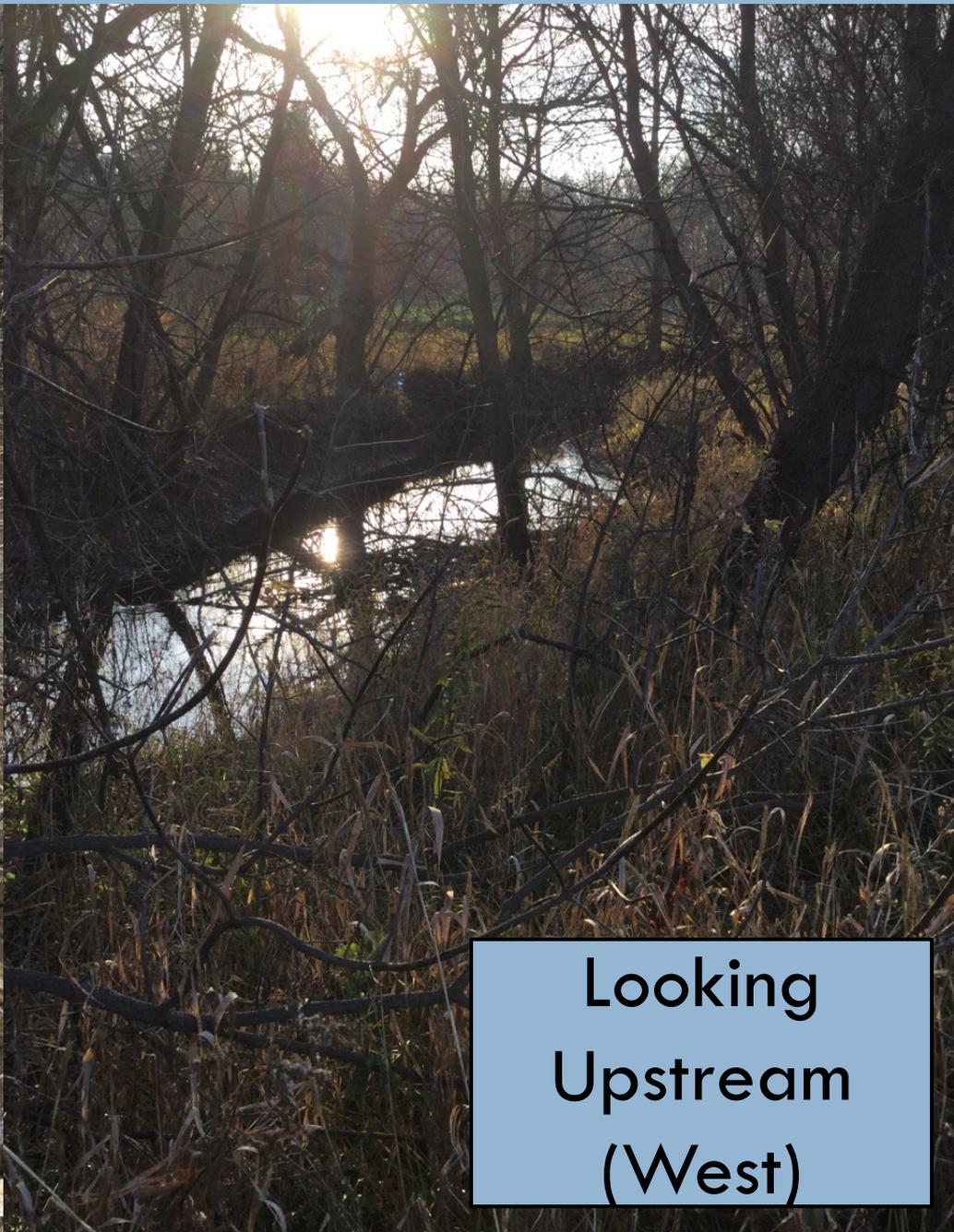
# Marsh Creek – Location Map



# From Roosevelt – Outlet of Vanderhaden Drain



Looking  
Downstream

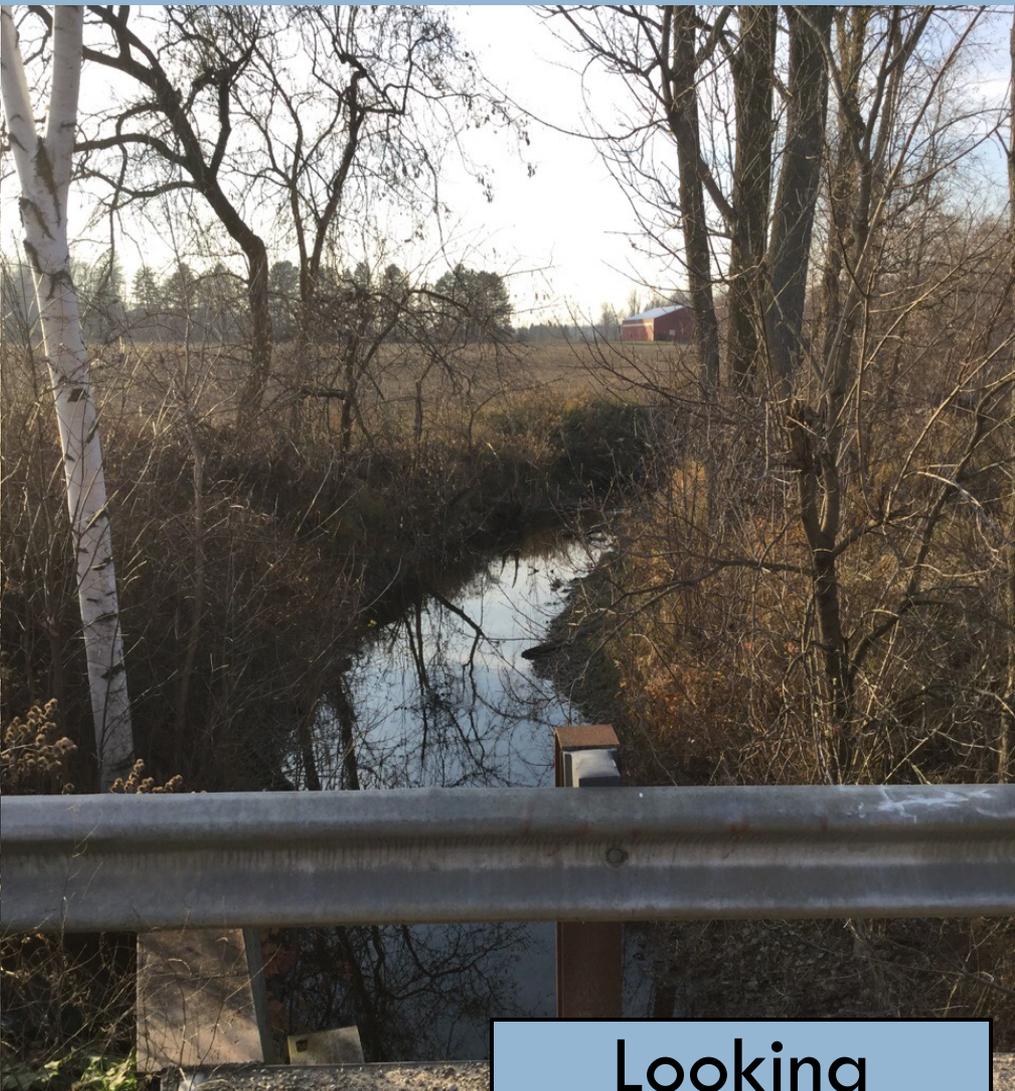


Looking  
Upstream  
(West)

# Orr Road



Looking  
Downstream  
(East)

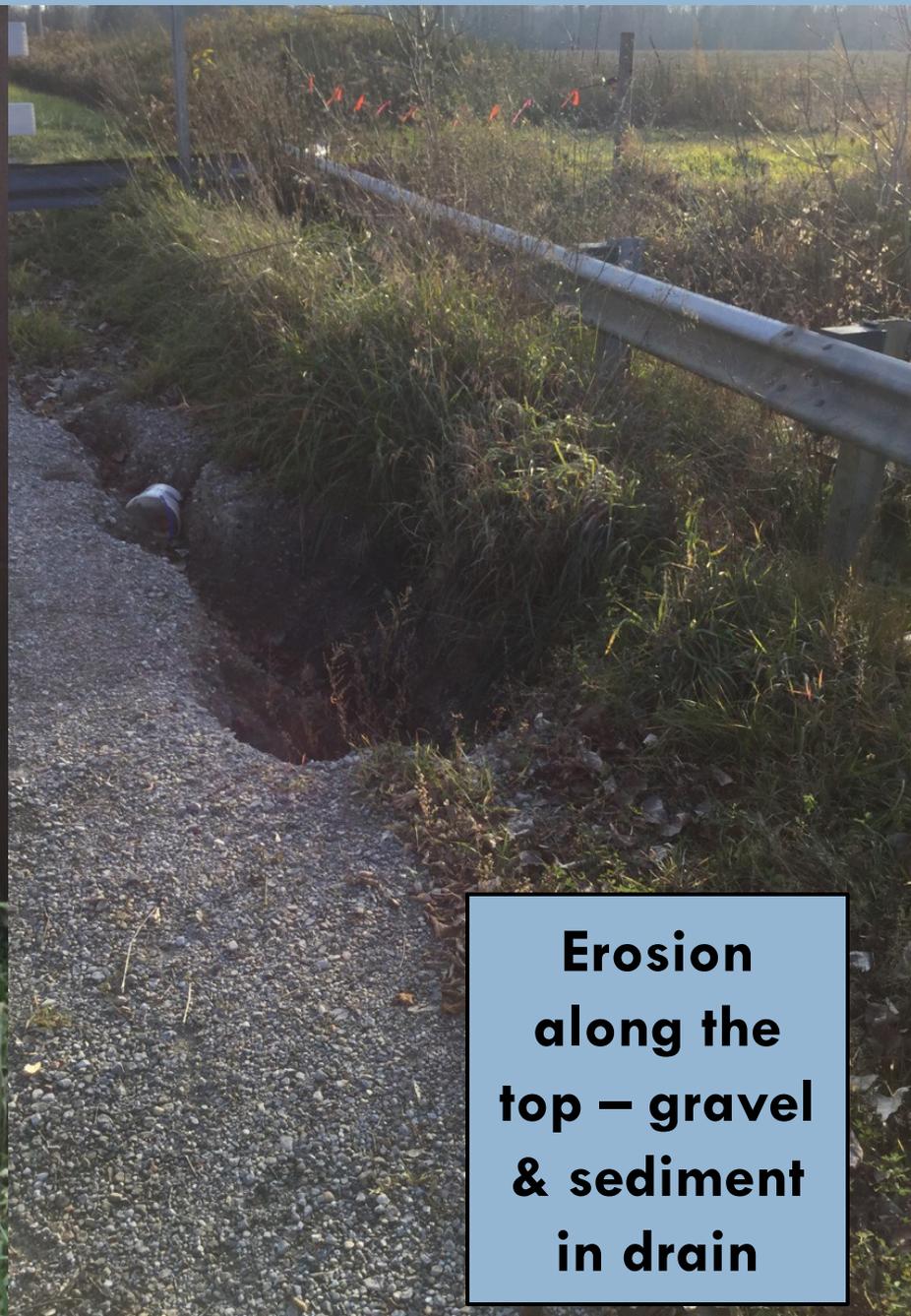


Looking  
Upstream  
(West)

# Orr Road

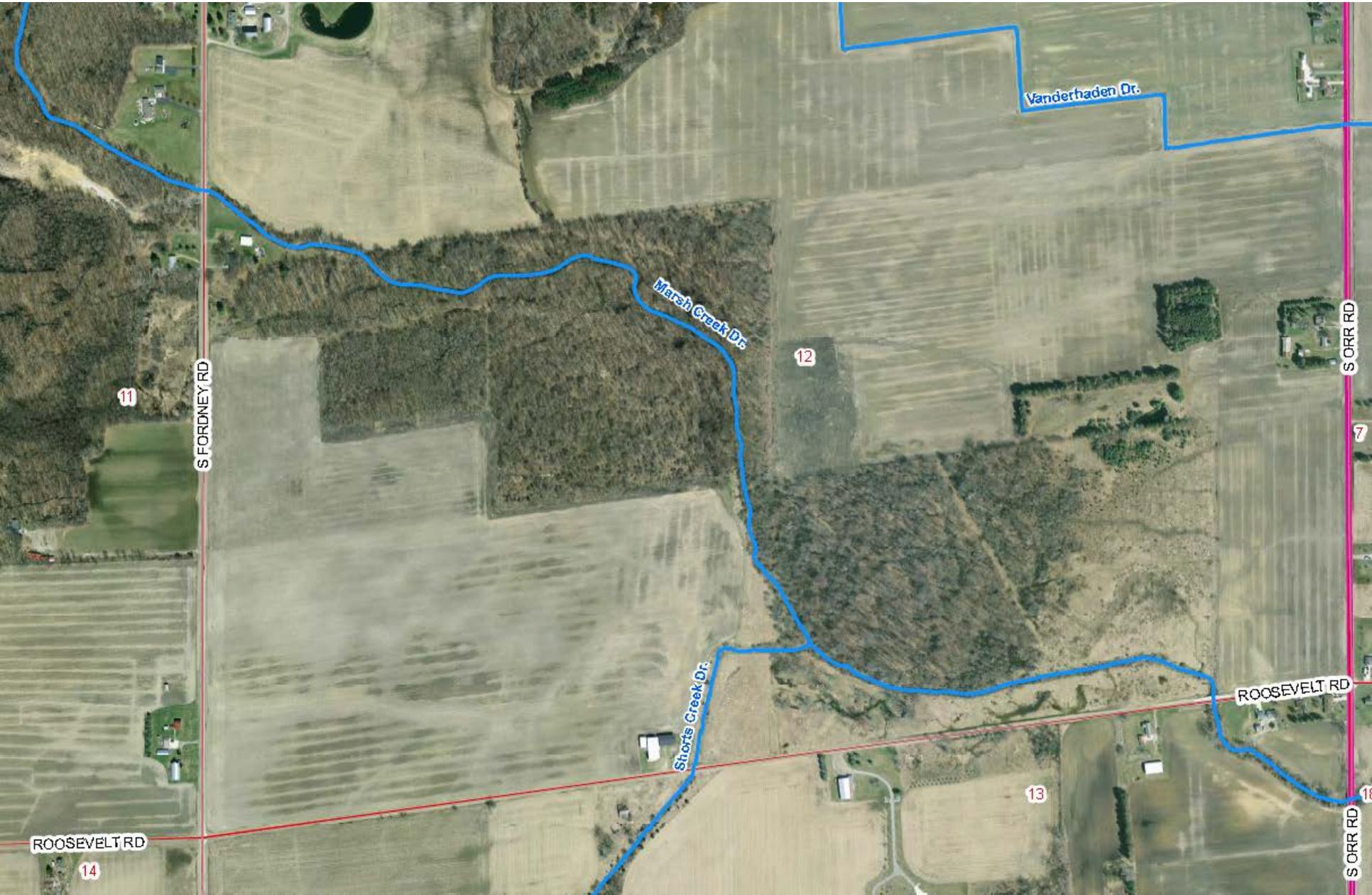


Bridge



Erosion  
along the  
top – gravel  
& sediment  
in drain

# Marsh Creek – Location Map



# Roosevelt Road



Looking  
Downstream  
(South)



Looking  
Upstream  
(North)

# Fordney Road



Looking  
Downstream  
(East)



Looking  
Upstream  
(West)

# Marsh Creek – Location Map



# Swan Creek Road



Looking  
Downstream  
(Southeast)



Looking  
Upstream  
(Northwest)

# Along Swan Creek Road

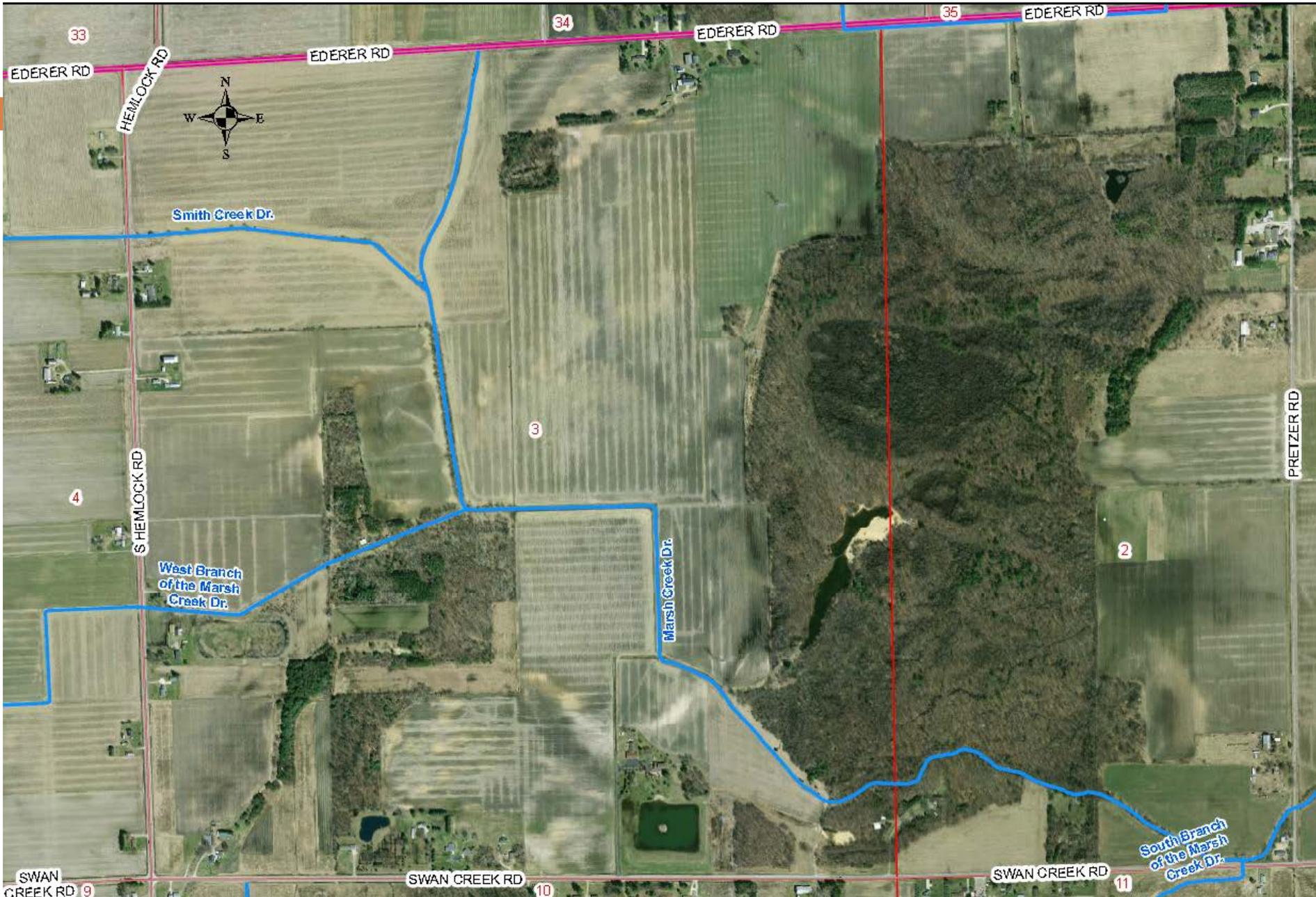


Looking Downstream  
(East Along Swan Creek)  
Outlet from South Branch



Looking  
Upstream  
(West)

# Marsh Creek – Location Map



# Outlet from West Branch of Marsh Creek (9/29/2016)



Downstream  
- Looking  
East

# Outlet from West Branch of Marsh Creek (9/29/2016)



Upstream -  
Looking North

# Ederer Road Crossing

Stagnant  
water and  
sediment.



# Drain Inspection Recap

- ❑ Portions of the drain are obstructed by sediment, brush and deadfall. Trees appear to be the main issue with water flow in the drain.
- ❑ Stagnant water was observed along portions of the drain.
- ❑ Portions of the drain appear to be in good shape.
- ❑ Most of the bridges (road crossings) appear to be in good shape, and appear to have minimal obstructions.
- ❑ Only a small amount of bank erosion was observed.

# Summary of Drain Finances

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- ❑ Drain account currently has approximately \$195.
- ❑ Approximately \$2,200 was spent on drain maintenance in 1997 to re-shape banks (fix bank erosion).

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