

Appendix A: Photographs and Maps

Photo Key



Picture 1 – Looking North from Van Dyke Road at proposed project site



Picture 2 – Looking east down Van Dyke Road from proposed project site



Picture 3 - Looking south from the proposed project site on Van Dyke Road



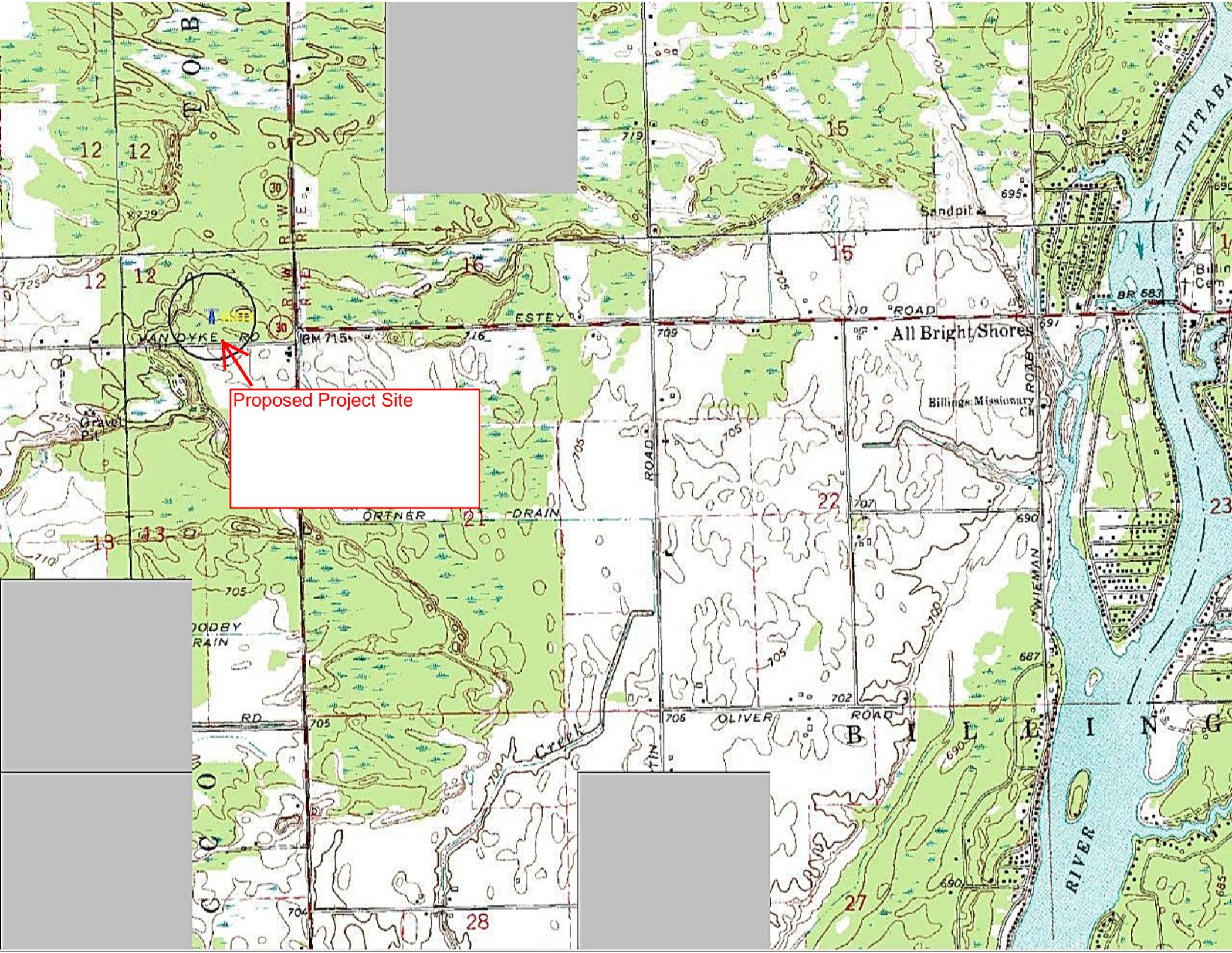
Picture 4 – Looking west down Van Dyke Road from proposed project location



06.18.2010
S/W 248*

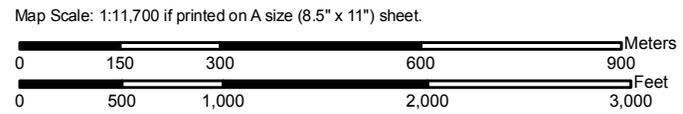
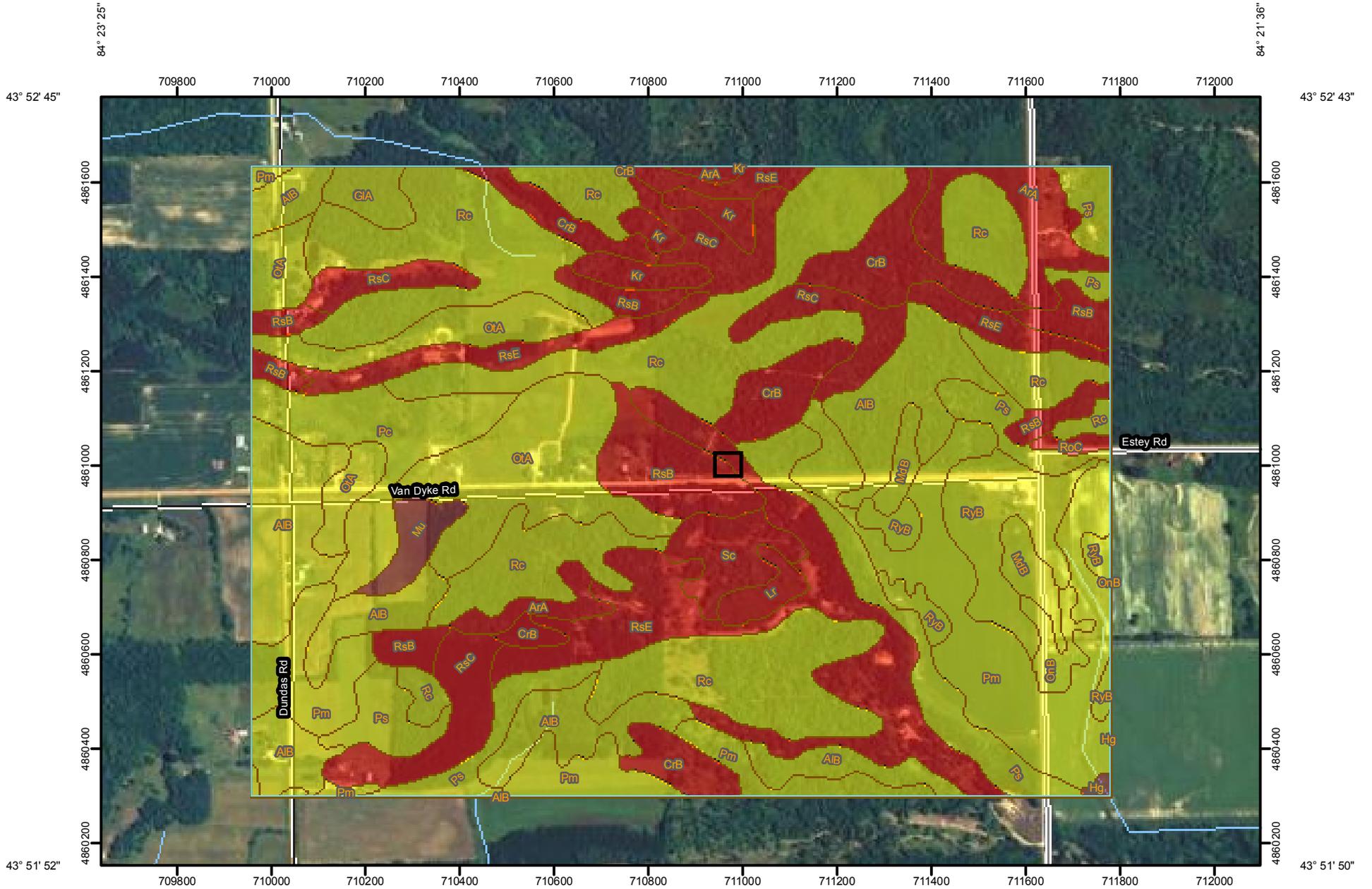


Applicant Name: Gladwin County Sheriff Department
Grant Program: Region 3 HSGP 2008-10-0318-01
Project 1: Install new 150' self supporting tower for coverage in the south area of the county. Top mounted antenna for overall height of 170'
Coordinates 43-52-19.25N 084-22-28.56W



Proposed Project Site

Farmland Classification—Gladwin County, Michigan



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Soil Ratings

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of local importance
-  Farmland of unique importance
-  Not rated or not available

Political Features

 Cities

Water Features

-  Oceans
-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways

-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:11,700 if printed on A size (8.5" x 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 16N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Gladwin County, Michigan
 Survey Area Data: Version 6, Jun 17, 2009

Date(s) aerial images were photographed: 7/3/2005

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Farmland Classification

Farmland Classification— Summary by Map Unit — Gladwin County, Michigan				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AIB	Allendale sand, 0 to 4 percent slopes	Farmland of local importance	64.0	10.7%
ArA	Au Gres sand, 0 to 2 percent slopes	Not prime farmland	16.2	2.7%
CrB	Croswell sand, 0 to 6 percent slopes	Not prime farmland	31.8	5.3%
GIA	Gladwin loamy sand, loamy substratum, 0 to 2 percent slopes	Farmland of local importance	4.5	0.8%
Hg	Hettinger loam	Prime farmland if drained	0.7	0.1%
Kr	Kinross sand	Not prime farmland	8.6	1.4%
Lr	Loxley muck, coarse substratum	Not prime farmland	3.6	0.6%
MdB	Manistee sand, 0 to 4 percent slopes	Farmland of local importance	6.9	1.2%
Mu	Munuscong sandy loam	Prime farmland if drained	4.9	0.8%
OnB	Ontonagon loam, 2 to 6 percent slopes	Farmland of local importance	4.0	0.7%
OtA	Otisco loamy sand, 0 to 2 percent slopes	Farmland of local importance	48.2	8.0%
Pc	Pickford loam	Farmland of local importance	20.3	3.4%
Pm	Pickford silty clay loam	Farmland of local importance	67.4	11.2%
Ps	Pinconning loamy sand	Farmland of local importance	39.4	6.6%
Rc	Roscommon soils	Farmland of local importance	126.3	21.0%
RoC	Rousseau fine sand, 2 to 12 percent slopes	Not prime farmland	1.4	0.2%
RsB	Rubicon sand, 0 to 6 percent slopes	Not prime farmland	28.7	4.8%
RsC	Rubicon sand, 6 to 12 percent slopes	Not prime farmland	32.7	5.4%
RsE	Rubicon sand, 12 to 25 percent slopes	Not prime farmland	59.8	10.0%
RyB	Rudyard loam, 2 to 6 percent slopes	Farmland of local importance	22.4	3.7%
Sc	Saugatuck sand	Not prime farmland	8.9	1.5%
Totals for Area of Interest			600.9	100.0%

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

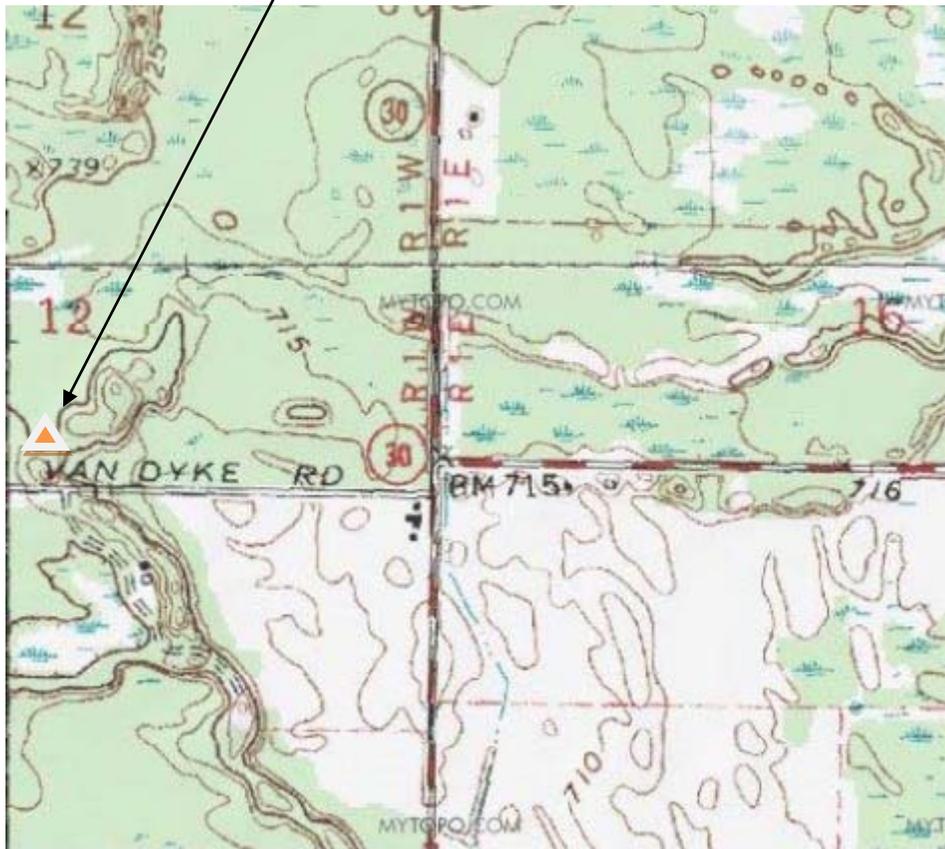
08-00101-05 Gladwin South Tower Project

Area Topography Map

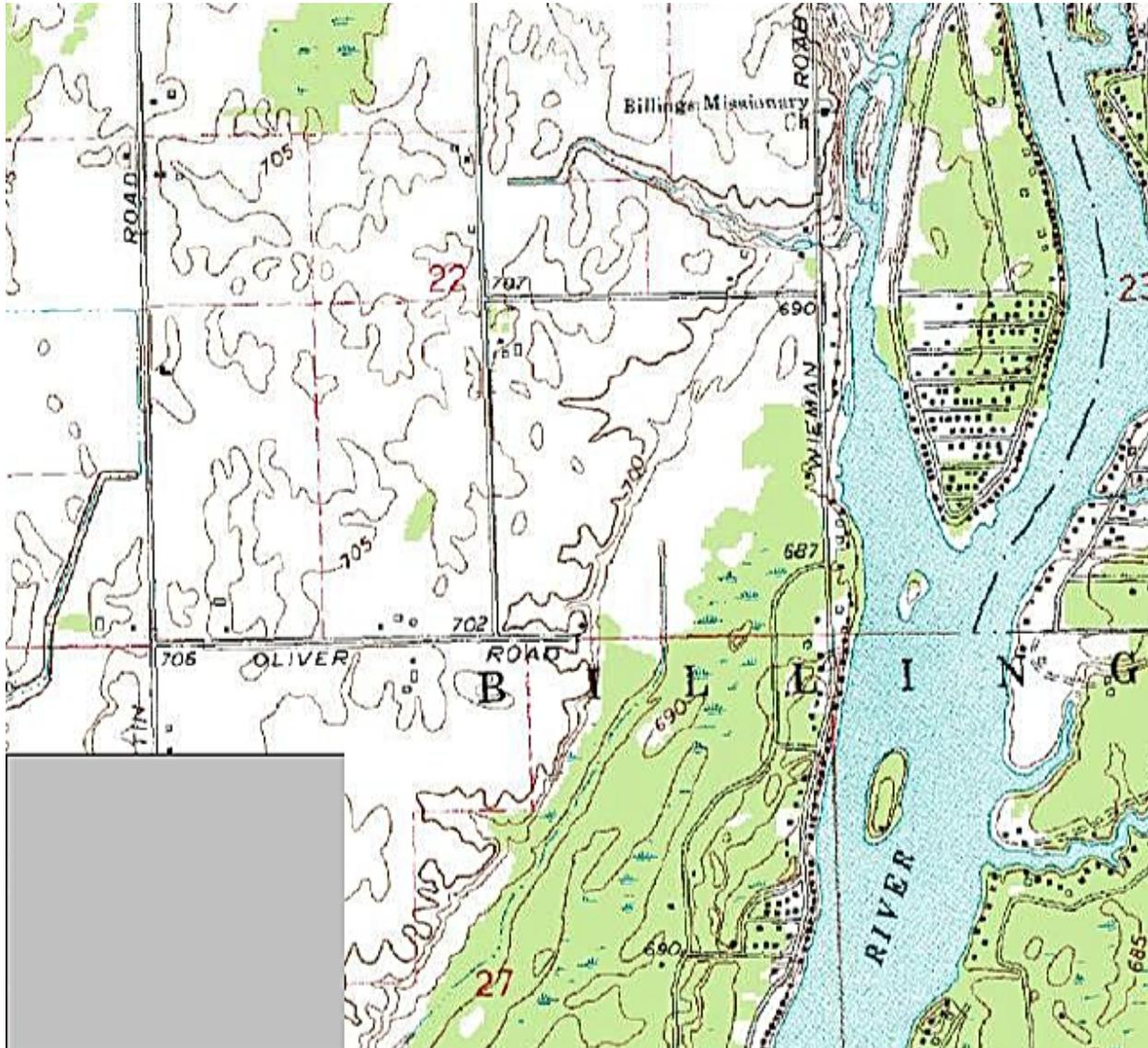
1. Researched FEMA FIRMettes system for Floodplain information. According to FEMA there is no flood plain information available for this are.
2. Requested information from local authorities (Gladwin County Drain Commissioner) no information available for this area. The County stated they had floodplain information for Secord Township only. Requested that information to provide a relative association between the floodplain area at the river valley compared to the area that will house the tower site in Gladwin County.
3. Attached a Topo map of the tower site area and a Topo of a known floodplain area in Secord Township.

Tower site on Van Dyke Rd.

Elevation at the tower site is 732' AMSL



Secord Township with Tittabawassee River floodplain map showing floodplain at 680' ASML, This area is 50' lower than the ground elevation at the Van Dyke Rd. Tower Site, 4 miles West of this location.





U.S. Fish and Wildlife Service National Wetlands Inventory

Feb 24, 2011



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

Status

- Digital
- Scan
- Non-Digital
- No Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks: