

**PENNINGTON COUNTY
BOARD OF COMMISSIONER'S MEETING
COUNTY BOARD ROOM
TUESDAY, FEBRUARY 11TH, 2014, 10:00 A.M.**

AGENDA **REVISED**

Pledge of Allegiance

10:00 Peter Nelson, Bryan Malone – Penn. Co. SWCD
- Floodplain
- Sewage and Wastewater Treatment Ordinance
- Wetland Delineation-Notice of Decision-
Wetland Bank

10:30 Ray Kuznia – Pennington County Sheriff
- Fees, surplus property
- LEC Items

10:45 Mike Flaagan – County Engineer
- Highway Dept. Items

11:00 Economic Development – Tax Abatement
Hearing

11:30 Dean Philipp
- C.D. #35 bridge
- Spring loading bridge martyrs
- C.D. #35 culvert - Smiley Twp, Section 10

County Auditor's Items

- Economic Development Director – Job Desc.
- Personnel Policy Additions
- County Coroner
- Lease with School District #564

(This agenda is subject to change)

PENNINGTON COUNTY
SEWAGE AND WASTEWATER TREATMENT ORDINANCE

SUBDIVISION 1 GENERAL PROVISIONS

1.10 PURPOSE

The purpose of the Sewage and Wastewater Treatment Ordinance shall be to provide minimum standards for the regulation of ~~individual~~ subsurface sewage treatment systems (SSTS) and septage disposal; including the proper location, design and construction; their necessary modification and reconstruction; their operation, maintenance and repair to protect surface water and ~~potable~~ groundwater from contamination by human sewage and waterborne household and commercial wastes; to protect the public's health and safety, and eliminate or prevent the development of public nuisances pursuant to the authority granted under ~~Minnesota Statutes chapters 115 and 145A and Minnesota Rules Chapter 7080~~ MN Statutes, Section 115.55; MN Statutes, Sections 145A.01 through 145A.08; MN Statutes, Section 375.51; or successor statutes, MN Rules 2006, Chapter 7080, and elements of 2011 Rules from Chapters 7080, 7081, 7082 and 7083 or successor rules and to local standards amending state law pertaining to sewage and wastewater treatment.

1.20 OBJECTIVES

The principal objectives of this section shall include the following:

1.21 The protection of Pennington County's lakes, wetlands, rivers and streams and supplies of ~~potable~~ groundwater essential to the promotion of public health, safety and welfare; the protection of the County's environment and its socioeconomic growth and development of the County in perpetuity.

1.22 Given the extensive resources and numerous supplies of surface water and ~~potable~~ groundwater and their susceptibility to contamination, regulation of proper ~~ISTS~~ SSTS construction, reconstruction, repair and maintenance and proper septage disposal is essential to prevent the entry and migration of contaminants, thereby ensuring the non-degradation of surface water and ~~potable~~ groundwater.

1.23 The provision of establishing minimum standards for ~~ISTS~~ SSTS placement, design, construction, reconstruction, repair and maintenance to

prevent contamination and, if contamination is discovered, to identify and control its consequences and abate its source and migration.

1.24 The prevention and control of water-borne disease, lake degradation, ~~and potable groundwater~~ related hazards, ~~and~~ public nuisance conditions through plan reviews, inspections and complaint investigation, as well as through technical assistance and education.

1.25 Provide rules, regulations, enforcement, and design standards for areas of the County which previously had not been ordinances. Specifically those areas which are not in a designated Shoreland/Flood plain area, a well head protection area or a business otherwise regulated by stricter State standards.

1.30 SCOPE

~~This section shall regulate the design, construction and repair of ISTS in Pennington County, including but not necessarily limited to individual on-site and cluster or community ISTS privy vaults and other non-water carried ISTS, repair and/or replacement of failing existing ISTS.~~

All sewage generated in unsewered areas of the County shall be treated and dispersed by an approved SSTS that is sited, designed, installed, operated, inspected and maintained in accordance with the provisions of this Ordinance or by a sewage treatment system that has been permitted by the MPCA.

SUBDIVISION 2 ADMINISTRATION

2.10 STANDARDS ADOPTED BY REFERENCE

~~This Ordinance hereby adopts by reference Minnesota Rules Chapter 7080, sections 7080.0020m 7080.0060, 7080.0065, 7080.0110, 7080.0120, 7080.0125, 7080.0130, 7080.0150, 7080.0160, 7080.0170, 7080.0175, 7080.0176, being the sections containing the technical standards and criteria contained in the “Individual Sewage Treatment Systems Program”.~~

This Ordinance hereby adopts by reference the 2006 MN Rules, Chapter 7080 as the alternative local standards for new and replacement residential systems with a flow of 2500 gallons per day or less. The County hereby adopts by reference the 2011 MN Rules, chapters 7080 and 7081 for new and replacement systems using greater than 2500 gallons per day. This adoption does not supersede the County’s right or ability to adopt local standards that are in compliance with MN Statute 115.55.

2.20 ADMINISTRATION BY STATE AGENCIES

~~2.21 For an on-site ISTS a SSTS, or group of systems that are located on adjacent properties and under single ownership, the owner or owners shall make an application for and obtain a State Disposal System Permit from the Minnesota Pollution Control Agency if the on-site ISTS SSTS or group of systems are designed to treat an average flow greater than 10,000 gallons per day.~~

The owner or owners of a single SSTS or a group of SSTS under common ownership must obtain an State Disposal System permit from the Minnesota Pollution Control Agency when all or part of proposed or existing soil dispersal components are within one-half mile of each other and the combined flow from all proposed and existing SSTS is greater than 10,000 gallons per day. The flow must be determined according to chapter 7081.0040.

2.22 For dwellings including apartments, townhouses, resort units, rental cabins and condominiums, the sum of the flows from all existing and proposed sources under single management or ownership will be used to determine the need for a State Disposal System Permit.

~~2.23~~ **2.23** ~~ISTS~~ SSTS serving establishments or facilities licensed or otherwise regulated by the State of Minnesota including, but not limited to: campgrounds, resorts, mobile home parks, and eating and drinking establishments, shall conform to state and local requirements and require approval by the State of Minnesota.

~~2.24~~ **2.24** Any ~~ISTS~~ SSTS requiring approval by the State of Minnesota shall also comply with all local codes and this section.

2.25 Plans and specifications must receive appropriate State and Local approval before construction is initiated.

2.26 This Ordinance shall apply ~~only~~ to unsewered areas of Pennington County, ~~which are considered to be "Permit by Rule"~~. Any areas of the County which are already ordinances through a designated Shoreland/Floodplain area, well head protection area or business licensed through the Minnesota Department of Health shall be governed by the stricter State standards and will not be allowed use of the Ordinance.

2.30 ADMINISTRATION BY PENNINGTON COUNTY

The Department shall regulate ~~ISTS~~ SSTS and septage disposal in Pennington County pursuant to this section.

2.31 The Department shall have the following duties and responsibilities:

- A.** To review all applications for ~~ISTS~~ SSTS in ~~Shoreland designated unsewered~~ areas of the County;
- B.** To issue all permits required by this Ordinance;
- C.** To investigate complaints regarding ~~ISTS~~ SSTS and septage disposal;
- D.** To review Certificates of Compliance or Notices of Non-Compliance where appropriate;
- E.** To issue Stop Work Orders and Notices of Violation, as applicable, pursuant to this section;
- F.** To maintain proper records for ~~ISTS~~ SSTS construction, reconstruction, inspection and repair in the ~~Shoreland/Floodplain designated areas of~~ Pennington County. ~~and inspection reports for ISTS constructed outside of the Shoreland/Floodplain designated areas.~~

2.32 Neither the issuance of permits, Certificates of Compliance nor Notices of Non-compliance as requested or issued shall be construed to represent a guarantee or warranty of the system's operation, or effectiveness. Such certificates signify that the system in question is or has been designed and installed in compliance or non-compliance with the provisions of these standards and regulations.

2.40 DEFINITIONS

As-Builts: Drawings and documentation specifying the final in place location, size and type of all system components. These records identify the results of materials testing and describe the conditions during construction. As-Builts contain a certified statement.

Bedroom: Any room used principally for sleeping purposes, and all-purpose room, a study, or a den. A room planned and intended for sleeping.

Certificate of Compliance: ~~ISTS~~ ~~A document from a licensed sewage treatment inspector fully licensed by the State of Minnesota or a qualified employee, provided to the owner of property on which a dwelling is located which is required to have an ISTS and provided to the local unit of government (LUG), indicating that said ISTS is not a failing system nor an imminent threat to public health or safety and, for new construction and replacement, is constructed in compliance with Minnesota Rules, Chapter 7080, as amended. A document written after a compliance inspection certifying that a system is in compliance with applicable requirements at the time of inspection.~~

Compliance Inspection: Any evaluation, investigation, inspection, or other such process to make conclusions, recommendations, or statements regarding a individual SSTS, to reasonably assure a individual SSTS is in compliance as specified under part 7080.0060 as amended. Compliance inspections must be conducted by a State licensed inspector or under a license independent of the owner and the installer.

Department: The agency or agent designated by Pennington County that is a qualified employee or licensee. ~~Environmental Administrator or other designated agent who is a qualified employee or licensee.~~

Failing System: At a minimum, a SSTS that fails to protect groundwater. This includes one that discharges sewage to a seepage pit, cesspool, drywell, leaching pit, or other pit; a SSTS with less than the required vertical separation distance as described in chapter 7080.0060 Subp 3; less than 3 feet of vertical separation in systems located in the floodplain and SWF and a system not abandoned in accordance with part 7080.0176. The determination of the threat to groundwater for other conditions shall be made by a Qualified Employee or State licensed inspection business.

Imminent Threat to Public Health or Safety (ITPHS): At a minimum, SSTS with a discharge of sewage or sewage effluent to the ground surface, drainage systems, ditches, or storm water drains or directly to surface water; SSTS that cause reoccurring sewage backup into a dwelling or other establishment; SSTS with electrical hazards; or sewage tanks with unsecured, damaged, or weak maintenance access covers. The determination of protectiveness for other conditions must be made by a Qualified Employee or a State licensed inspection business.

Individual Sewage Treatment Systems (ISTS): A sewage treatment system, or part thereof, serving a dwelling, or other establishment, or group thereof, and using sewage tanks or advanced treatment followed by soil treatment and disposal with a design flow of less than 5,000 gallons per day. Individual sewage treatment system includes holding tanks and privies.

Inspector: An individual qualified to review proposed plans and inspect ~~ISTS~~ SSTS, and who meet the licensure licensed and certified by the registration requirements of the Minnesota Pollution Control Agency.

Management Plan: A plan that describes necessary and recommended routine operational and maintenance requirements, periodic examination, adjustment, and testing, and the frequency of each to ensure system performance meets the

treatment expectations, including a planned course of action to prevent an illegal discharge.

MPCA: Minnesota Pollution Control Agency.

MSTS: A “midsized subsurface sewage treatment system” under single ownership that receives sewage from dwellings or other establishments having a design flow of more than 5,000 gallons per day to a maximum of 10,000 gallons per day.

Qualified Employee: A person who conducts site evaluations or designs; installs, maintains, pumps, or inspects individual subsurface sewage treatment systems as part of employment duties and is certified on the ~~ISTS-SSTS~~ professional register with specialty area endorsements applicable to the work being conducted. A qualified employee may be an apprentice if the individual has specialty area endorsements applicable to the work to be completed, has fulfilled the contractual requirement under Chapter 7080, 7081, 7082, 7083 and has been issued performance restrictions.

Redoximorphic Features: A color pattern in soil, formed by oxidation and reduction of iron or manganese in saturated soil coupled with their removal, translocation, or accrual, which results in the loss (depletion) or gain (concentration) of mineral compounds compared to the matrix color. Redoximorphic features also means: a soil matrix color controlled by the presence of ferrous iron.

Septage: Solids and liquids removed ~~during periodic maintenance of~~ from a ~~ISTS SSTS~~, or solids and liquids which are removed from toilet waste treatment devices or a holding tank.

Sewage: Any water-carried domestic waste, exclusive of footing and roof drainage, from any dwelling or ~~any other structure. industrial, agricultural or a commercial establishment.~~ Domestic waste includes liquid waste produced by toilets, bathing, laundry, culinary operations, and the floor drains associated with these sources, and specifically excludes animal waste and commercial or industrial wastewater.

Shoreland/Floodplain Development Application: The term includes, but is not limited to applications for the following: construction permits, ~~ISTS-SSTS~~ permits, vegetative alteration permits, topographic alteration permits, or other types of Shoreland/Floodplain permits such as conditional use permits, amendments to this Ordinance, variances from the provisions of the Ordinance, and the subdivision of real estate. The application is not considered complete and will

not be accepted by the Department unless all fees are paid, preliminary reviews and approvals completed, submitted with associated supporting information and documents, and such other information as required by the Department.

Soil Treatment System: A system where sewage effluent is treated and disposed of into the soil by percolation and filtration, and includes trenches, seepage beds, at-grade systems, and mound systems.

SSTS: Subsurface sewage treatment systems including ISTS and MSTs. Individual Sewage Treatment Systems (ISTS) have a design flow of 5,000 gallons per day or less. Midsized Subsurface Sewage Treatment System (MSTS) have a design flow of 5,000 to 10,000 gallons per day.

SWF: Shoreland, wellhead protection areas, food, beverage, and lodging establishments.

Toilet Waste Treatment Devices: Privies and other devices including incinerating, composting, biological, chemical, recirculating, or holding toilets.

SUBDIVISION 3 PERMITTING

3.10 PERMITS REQUIRED

~~A permit shall be obtained whenever any ISTS in Pennington County is installed, replaced, altered, repaired or extended within designated Flood plain or Shoreland. Installation, replacement, alteration, repair, or extension of a ISTS-SSTS shall not begin without first making an application for a permit and obtaining said permit from the Department for each specific installation, replacement, alteration, repair or extension pursuant to this Ordinance. Such permits are not transferable as to another person or place. Such permits shall expire 12 months after date of issuance. A permit shall not be required for the work identified under Subdivision 3.2 of this Ordinance.~~

3.11 Posting of Permits Permits shall be provided by permittee at the time of inspection upon request of inspector.

~~**3.13 Permit by Rule** Any ISTS system repaired, replaced, altered, extended or installed within Shoreland/Floodplain designated areas must have a permit issued by the Department, prior to construction. However, ISTS-SSTS systems in Pennington County which are outside the designated Shoreland/Floodplain designated areas and which do not conflict with existing well management, well head protection areas, or to systems regulated by the Minnesota Department of Health, or to systems regulated by a city or township may construct through a Permit by Rule.~~

~~Any ISTS system repaired, replaced, altered, extended or installed within the Permit by Rule designated area will be considered permitted, upon receipt of a copy of the Notice of Compliance, delivered to the Department and which was issued by an MPCA licensed inspector.~~

3.12 Operating Permits An Operating Permit shall be required of all owners of new holding tanks, Type IV, Type V, and MSTs.

3.20 PERMITS NOT REQUIRED

Permits shall not be required for the following for repair or replacement of pumps, floats or other electrical devices of the pump or baffles in a septic tank.

~~**3.21** Repair or replacement of pumps, floats or other electrical devices of the pump or baffles in a septic tank within the designated Shoreland/Floodplain area.~~

~~**3.22** ISTS work done outside the designated Shoreland/Floodplain area with direct application to Subdivision 3.13~~

~~**3.30 PROPERTY OWNERS DOING OWN WORK (SEE SECTION 7.2)**~~

~~Property owners are permitted to construct or repair ISTS on their own properties without a State license; however, owners doing their own work must comply with Subdivision 3.10 as well as other applicable provisions of this Ordinance. A property owner shall consult with a person holding a current license issued by the Minnesota Pollution Control Agency for Designer I or II if they wish to perform the site evaluation or design their own ISTS. All systems must be inspected by a State licensed inspector and a Certificate of Compliance filed with the County.~~

3.30 PERMIT APPLICATION REQUIREMENTS

3.31 Permit Application Information All applications for a ISTS SSTS Permit shall include the following information:

- A. Name and address of property owner.
- B. Legal description of the property.
- C. ISTS SSTS designer's name, address, phone number and State ISTS SSTS License number (or Department Qualified Employee name and number.
- D. Site evaluation report on a form as provided by the University of Minnesota. Including soil observations made in exposed pits or by hand augering prior to construction. The depth to periodically saturated soil shall be determined by section 4.10 of this ordinance. The soil boring log

with soil verification signatures shall be submitted with the design by the licensed designer to the Department.

- E. System design with full information including applicable construction information on forms as provided by the State and/or Department.
- F. Any other information requested pertinent to the Shoreland/Floodplain designated areas.
- G. On lots created after January 23, 1996, the system design shall include at least one designated additional soil treatment area which can support a standard, Type I, soil treatment system.
- H. Any other pertinent information as required by the ~~County~~ Department.

3.32 Application Review and Approval If after consideration of the application for a permit, the Department is satisfied that the work contemplated conforms to and complies with provisions of this Ordinance; the department shall issue a written permit granting ~~preliminary~~ approval authorizing ~~initiation~~ of construction of the system as designed.

3.33 Incomplete Application Information If after consideration of the application for a permit, the Department is not satisfied that the work contemplated will ~~not~~ conform to or comply with the provisions of this Ordinance; the Department shall deny the application for a permit. Notice of such denial shall be served on the applicant or permittee. The notice shall state the reason for denial. The permit application may be revised or corrected and resubmitted to the Department at any reasonable time for reconsideration.

3.34 Design Alteration Proposals to alter the permitted construction shall be reviewed and the proposed change accepted by the ~~inspector~~ designer prior to construction.

3.40 FEES

The Pennington County Board of Commissioners shall establish fees for permits required by this Ordinance. Fees shall be due and payable at the time of permit issuance.

3.50 VARIANCES

An affected property owner requesting a variance from standards in the Shoreland/Floodplain designated areas, must follow the procedures specified in the Pennington County Shoreland and Floodplain Ordinances. Variances requested for land areas out of the Shoreland/Floodplain designated areas must follow procedures specified in the Minnesota Rules Chapter 7080.0305 Subp.3.

3.70 PERMIT BY RULE REQUIREMENTS

In areas outside the Shoreland/Floodplain designated areas, ISTS must be installed either to the local standard provisions of this section or Minnesota Rules Chapter 7080, as applicable. Following installation of ISTS under Permit by Rule, an inspection report, prepared by a State licensed inspector, must be submitted to the County Environmental Department along with the site design and Permit by Rule Form. No prior review or approval is required under Permit by Rule.

SUBDIVISION 4 SITE SELECTION

4.10 SITE SUITABILITY FOR REPAIR, REPLACEMENT, EXTENSION OR INSTALLATION OF A TRENCH TYPE ISTS SSTS

4.11 Site suitability requirements Must be met whenever an ISTS is installed, replaced, altered, repaired or extended. Listed below are the parameters which must be met to allow the use of a trench type ISTS. For unsaturated soil separation, on-site soil samples shall be taken for observation and referenced to the NRCS Soils Survey, mottling/residual mottling features, and redoximorphic features and/or percolation test to determine the distance to the periodically saturated soil and for sizing the system.

4.12 Soil Dispute Resolution When a disagreement occurs between SSTS certified individuals and a licensed business about the depth of the periodically saturated soil, the disputing parties shall meet at the disputed site to resolve differences. The Department will make the final determination on the depth to periodically saturated soils.

4.20 LOCAL STANDARDS: ALTERATION OF EXISTING ISTS SYSTEMS.

Site suitability requirements must be met whenever a ~~existing~~ SSTS is installed replaced, repaired, altered, or extended. (Reference Section 4.10, 4.20, 4.30 and the County soils map).

4.21 Alternative “Local” Vertical Separation for New and Replacement SSTS For “Local” trench, at-grade, and mound systems, a minimum of two feet vertical separation shall be allowed between the bottom of the dispersal system and the periodically saturated soil or bedrock located in areas other than the floodplain and SWF.

4.22 Existing ISTS SSTS Systems Which do not present an imminent public health threat and have at least two feet of vertical separation between the bottom of the soil treatment system and ~~groundwater~~ periodically saturated soil, as defined by either mottling, ~~residual mottling~~, redoximorphic features and/or other

local standard provisions, are considered ~~working~~ compliant systems and do not require upgrading or alteration.

~~4.23 Repair, Alteration, and/or Extension of Existing Systems~~ are allowed if the provisions outlined in Sections 4.10, 4.20 and 4.30 are met.

~~4.23 Site Density Individual Sites~~ Trench type systems shall not be permitted to exceed one system per acre. All sites to be developed must have room for at least two ~~drainfields~~ soil treatment systems and must meet all setbacks stated in the Minnesota Rules, Chapter 7080 and the Pennington County Shoreland Ordinance. Setback requirements from wells shall meet those established by the Minnesota Department of Health.

~~4.24 Natural or Artificial Drainage~~ A drainage plan will be submitted with the system design materials which show distances to public water or to public or private drainage systems. The plan will specify how rain and excess surface water will be removed from the ~~ISTS~~ soil treatment system area. If ditching or tile is used, the locations of said ditches or tile will be designated in the plan. ~~and submitted to the owner with the system design.~~ The distance from any ditch or tile ~~to the trench~~ will not be less than ten feet from the soil treatment system.

~~4.30~~ ADDITIONAL LOCAL STANDARD PROVISIONS

The standards which allow for the continuance of, or construction of, trench systems within Pennington County are as follows:

~~4.21~~ ~~4.31~~ Soil Types Soils which are not acceptable for use with trench type ~~ISTS~~ SSTS include: I54A, I58A, I41A, I42A, B202A, I45A, I16F, I27A, B206A, B209A, I8A, and I11A. Site suitability requirements from section 4.10 shall be met. Use of the Pennington County Soils Map in conjunction with percolation tests is required to size systems and determine site suitability.

~~4.22~~ ~~4.32~~ Vegetation Native or natural vegetation is an indicator of soil saturation frequency. Installation of trench type systems ~~SSTS~~ on areas where aquatic hydrophytic type plants and trees persist is prohibited. Examples of these types of naturally occurring plants include but are not limited to cattails, sedges, rushes, tamarack, willow or other types of vegetation which reasonably demonstrate the existence of frequently saturated soil conditions.

~~4.40~~ LOCAL STANDARDS: NEW ISTS TRENCH SYSTEM INSTALLATION

Site suitability requirements must be met whenever a new ~~ISTS~~ trench system is installed or existing system replaced. (Reference Section 4.10, 4.20 and County soil maps).

~~4.41 Trench-Style ISTS Systems are allowed if the provisions of Sections 4.05 and 4.10 are met or at least three feet of vertical separation exists between the bottom of the soil treatment area and groundwater as defined by either mottling or residual mottling.~~

4.30 HOLDING TANKS

Holding tanks may be allowed for seasonal single family homes, sensitive sites, parks and other buildings with limited water use under the following conditions:

- A. The owner shall install a holding tank in accordance with MN Rules Section 7080.0172 subp. 3.
- B. The owner shall hire a MN licensed maintenance business to pump and haul the holding tank contents to approved land application site.
- C. Solids must be removed when their accumulation meets the limit described in MN Rules, Chapter 7080.0175. An Operating Plan shall be submitted with permit application, reference 7080.0310 Subp 6.

4.40 SSTS LOCATED IN THE FLOODPLAIN

SSTS shall not be located in a floodway and if possible, not within any part of a floodplain. If no option exists to locate a SSTS outside of a floodplain, location within the flood fringe is allowed if the bottom of the distribution medium is located at least as high as the 10-year flood elevation and if the requirements in MN Rules, Chapter 7080.0172 are met.

4.50 CLASS V INJECTION WELLS

All owners of new or replacement SSTS that are considered to be Class V injection wells, as defined in the Code of Federal Regulations, title 40, part 144, are required by the Federal Government to submit SSTS inventory information to the Environmental Protection Agency as described in CFR40 part 144. Further, owners are required to identify all Class V injection wells in property transfer disclosures.

4.60 2011 MN RULES INCLUDED IN THIS ORDINANCE

4.61 Vertical Separation Flexibility 15% Flexibility, 7080.1500 Subp. 4D A reduced vertical separation for existing systems is allowed for SSTS that were designed with at least a three feet of vertical separation distance. The maximum of fifteen percent reduction is only allowed to account for settling of sand or soil, normal variation of measurements, and interpretations of the limited layer conditions. This flexibility is not allowed on SSTS constructed with alternative local standards vertical separation.

4.62 Registered Products Final Treatment and Dispersal, including soil loading rates, shall be determined by using MN Rules Chapter 7080.2150 soil sizing tables IX and IXa.

4.63 Trench and Seepage Bed Design 7080.2210 Pressure distribution is required on seepage beds greater than twelve feet wide.

4.64 Sewage Tanks Must meet or exceed the applicable requirements of parts 7080.1910 through 7080.1960 and 7080.1980 through 7080.2020.

4.65 Distribution of Effluent 7080.2050 Subp 4J Pressure distribution pipe cleanouts must be provided to check the system for proper operation and cleaning of plugged perforations. Cleanouts must be accessible from final grade.

SUBDIVISION 5 INSPECTION REQUIREMENTS

5.10 GENERAL REQUIREMENTS

~~**5.11 Compliance Inspection**~~ Compliance inspections for construction, replacement, alteration, or repair work on ~~ISTS~~ SSTS shall be conducted by a State licensed inspector who is independent of the owner and installer.

5.20 INSPECTION REQUIREMENTS FOR NEW SYSTEMS

The installation and construction of the ~~ISTS~~ SSTS shall be in accordance with the permit requirements and application design.

5.21 Timing of Inspections If any ~~ISTS~~ SSTS component is covered before being inspected by a State licensed inspector, it shall be uncovered upon the direction of the inspector, unless acceptable photograph or video documentation is provided. Inspections shall be conducted at least once during the construction of the ~~ISTS~~ SSTS at such time as to assure that the system has been constructed per submitted and approved design. ~~All ISTS construction, alteration, repair and extensions require an inspection by a State licensed inspector.~~

5.22 Notification for Inspections ~~Inspection Report.~~ A Certificate of Compliance or Notice of Non-Compliance shall be prepared by the inspector following an inspection or review of as-built plans and submitted to the ~~Pennington County Environmental~~ Department for all ~~ISTS~~ SSTS new construction ~~which requires an inspection within Pennington County.~~ A Certificate of Compliance or Notice of Non-Compliance must include a signed statement by the inspector identifying the type of ~~ISTS~~ SSTS inspected and whether the system is in compliance with Minnesota Rules Chapter 7080.0060

and /or the local standard provisions specified in Subdivision 4 of this ~~section~~ Ordinance. A copy of the Certificate of Compliance or Notice of Non-Compliance shall be provided to the property owner and the ~~County Environmental~~ Department within ~~thirty~~ fifteen days of the compliance inspection.

5.30 INSPECTION REQUIREMENTS FOR EXISTING SYSTEMS

When required under section 5.31, the inspection must be conducted by a State licensed inspector and the results recorded on a form provided by the State. The ~~report~~ form must identify the type of ~~ISTS~~ SSTS inspected and whether the system is an imminent public health threat, a failing or ~~working~~ compliant system according to Minnesota Rules Chapter 7080.0060 and the local standard provisions specified in Subdivision 4 of this ~~section~~ Ordinance. A copy of the Certificate of Compliance or Notice of Non-compliance resulting from a compliance inspection shall be provided to the property owner and the ~~County Environmental~~ Department within ~~thirty~~ fifteen days of the inspection.

5.31 Mandatory Compliance of Existing Systems A ~~ISTS~~ SSTS shall require a compliance inspection when any one of the following conditions occur:

- A.** In designated Shoreland Management Areas, failing ~~on-site sewage treatment systems~~ SSTS shall be reconstructed pursuant to Minnesota Rules Chapter 6120 of 1989, known as “Statewide Standards for Management of Shoreland Areas”.
- B.** At any time the Department deems appropriate such as upon receiving a complaint or other information of system failure.
- C.** Addition of a bedroom on a property, within the designated Shoreland/Floodplain area.
 - 1.** If a request for an additional bedroom or variance is received between November 1 and April 30 the Department may issue a permit or variance immediately with the requirement that a compliance inspection be completed by the following June 1 or within twelve months of shoreland permit application. The applicant must submit a Certificate of Compliance within fifteen days of the Compliance Inspection, ~~by the following September 30~~.
 - 2.** If a system constructed between May 27, 1989 and January 23, 1996 does not comply with applicable requirements, and is not an imminent public health threat, a property owner applying for a permit to construct a bedroom addition in a designated Shoreland/Floodplain area, has ~~five (5) years~~, three years, from the

date of issuance of such permit to bring the system into compliance.

3. Compliance inspections finding not less than ~~two~~ three feet of separation between the bottom of the soil distribution medium and ~~potable water~~ periodically saturated soil and where an imminent public health threat does not exist are considered ~~working~~ compliant systems and do not need to be replaced or repaired.

5.32 Imminent Public Health Threat and Failing Septic Systems A Notice of Non-Compliance shall be issued and copies provided to the property owner and the County Department within ~~thirty~~ fifteen days under the following conditions:

- A. A failed ~~ISTS~~ SSTS, not considered an imminent threat to public health or safety, shall be upgraded, replaced, repaired or discontinued use in compliance with this Ordinance, as applicable within ~~five (5)~~, three years.
- B. Existing “Local” SSTS that are failing to protect groundwater in non SWF/Floodplain Areas: SSTS built before April 1, 1996 outside of protected areas designated as floodplain areas, shoreland areas, wellhead protection areas, or areas where SSTS provide sewage treatment for food, beverage, or lodging establishments shall have at least two feet of vertical separation between the bottom of the dispersal system and seasonal saturation or bedrock per MN Rules 7080.0060 Subp 3. Existing systems with less than two feet of vertical separation in these areas may fail to protect groundwater, are unlawful and shall be upgraded, replaced, or its use discontinued within three years of the owner’s receipt of a Notice of Noncompliance. The notice should specify what Ordinance provisions are violated.
- C. An ~~ISTS~~ SSTS posing an imminent threat to public health or safety shall be upgraded, replaced or repaired, or discontinued use within ten months.
- D. Existing “Local” systems built outside of the protected areas designated as floodplain areas, shoreland areas, wellhead protection areas, or areas where SSTS provide sewage treatment for food, beverage, or lodging establishments and determined to be an imminent threat to public health or safety in accordance with MN Rules, Chapter 7080.1500, Subp 4A, are unlawful and shall be upgraded, replaced, or its use discontinued within ten months of the owner’s receipt of a Notice of Noncompliance. The notice should specify what Ordinance provisions are violated.
- E. The owner(s) shall submit to the Department an acceptable replacement plan within twenty days after notification by the Department. The replacement plan shall identify the location and design of the ~~ISTS~~ SSTS

and a schedule for its replacement. Failure to submit and execute an acceptable replacement plan is a violation of this Ordinance.

5.33 Scope of Certification

A certification of an existing system is valid for three years from the certification date. A certification for a new system is valid for five years from the certification date. ~~The Department may not require recertification of a ISTS SSTS within three years for an existing system or five years for a new system, from the certification date~~ Certificates are valid providing the system does not fail or become and imminent public health threat or other cause as deemed appropriate by the Department.

5.40 NOTICE OF VIOLATIONS

5.41 Cause to Issue a Notice of Violation Unresolved and either separate, recurrent, or continuing violations of this Ordinance by an applicant, permittee, installer or other persons, as determined by inspection, re-inspection, or investigations shall constitute non-conformance or non-compliance with this Ordinance.

5.42 Serving a Notice of Violation A Notice of Violation shall be served by mail upon the applicant, permittee, installer or other person found to be in violation of this Ordinance.

5.43 Contents of a Notice of Violation A Notice of Violation shall contain the following:

- A. A statement documenting the findings of fact through inspections, re-inspections or investigations.
- B. A list of specific violations of this Ordinance.
- C. The specific requirements for correction or removal of said violations.
- D. A mandatory time schedule for correction, removal and compliance with this Ordinance.
- E. Specific enforcement actions that will be taken if corrective action is not completed.

5.44 State Notification of Violations Any inspection, installation, design, construction, alteration, or repair of a ~~ISTS~~ SSTS by a licensed ~~person~~ business or any pumping and disposal of septage by a licensed ~~pumper~~ maintainer business or hauler done in violation of the provisions of this Ordinance may be cause for notification to the Minnesota Pollution Control Agency.

SUBDIVISION 6 HEALTH AND ENVIRONMENTAL PROTECTION

6.10 ADDITIONAL STANDARDS: The following standards shall also apply.

6.11 Separation Distances

- A. The separation distance from a well to a ~~ISTS~~ SSTS shall be at least fifty feet or as specified in M.S. 3011, Minnesota Rules Chapter 4725, as amended.
- B. The separation distances from ~~ISTS~~ SSTS to designated lakes and rivers shall be identified in the Pennington County Shoreland Ordinance.

6.12 Maintenance

- A. The owner of a ~~ISTS~~ SSTS or the owner's agent shall regularly, but in no case less frequently than every three years, measure or remove the accumulations of scum and sludge in the septic tank and is responsible for full maintenance of the ~~ISTS~~ SSTS as indicated by Minnesota Rules Chapter 7080.0175.
- B. Management plans for all new or replacement SSTS shall be provided by the licensed designer. The plans shall include operating, monitoring and maintenance requirements for the new or replacement system. Homeowners are required every three years to maintain their sewage tank per instructions in 7080.2450 Subp 2.

~~**6.13 Alternative and Experimental Systems** This subdivision hereby adopts by reference Minnesota Rules Chapter 7080.0910, Alternative and Experimental Systems. (Repealed)~~

6.13 Abandonment of SSTS All systems with no future intent for use must be abandoned in accordance with MN Rules, Chapter 7080.0176.

6.20 SEPTAGE DISPOSAL AND TREATMENT

6.21 Separation Requirements for Land Application of Septage Domestic septage disposal and treatment standards shall comply with US Environmental Protection Agency rules as found in the CFR40 Part 503 entitled "Standards for the Use or Disposal of Sewage Sludge," and Minnesota Pollution Control Agency Chapter 7080 rules.

- A. **Land Spreading Location** Spreading sites shall be located such that the following minimum separation distances are maintained:

- | | |
|----------------------------|---------------------|
| 1. Private water wells | 200 Feet |
| 2. Municipal well | 1000 Feet |
| 3. Occupied dwellings | 200 Feet |
| 4. Commercial developments | 300 <u>600</u> Feet |

- | | |
|-------------------------------|-------------------------|
| 5. Recreational areas | 300 600 Feet |
| 6. Property lines | 50 Feet |
| 7. Public road right-of-ways | 50 Feet |
| 8. Public and private ditches | 25 Feet |

B. Separation from Surface Waters Septage shall not be land spread in designated Shoreland Management Areas as identified in the Pennington County Shoreland Ordinance.

SUBDIVISION 7 LICENSING REQUIREMENTS

7.10 SITE EVALUATORS, DESIGNERS, INSTALLERS, INSPECTORS, AND MAINTAINERS

No person or business shall engage in the evaluation, inspection, design, installation, construction, alteration, extension, repair, maintenance, or pumping of ~~on-site~~ subsurface sewage treatment systems in Pennington County without first obtaining a license to perform such tasks from the Minnesota Pollution Control Agency.

7.20 LICENSE EXEMPTION

A license is not required for:

- A.** An individual who is constructing a system on land that is owned or leased by the individual and functions solely as a dwelling or seasonal dwelling for that individual. A design is required from based upon a design developed in consultation with a SSTS licensed designer. The system must be inspected in accordance with Subdivision 5.20 of this Ordinance. A Certificate of Compliance or Notice of Non-compliance must be issued for the system by a licensed inspector.
- B.** An individual who performs labor or services under a licensee.
- C.** A farmer who pumps sewage waste from ~~individual~~ subsurface sewage treatment systems from dwellings or other establishments that are owned or leased by the farmer and disposes of those wastes on land that is owned or leased by the farmer.
- D.** A property owner who personally gathers information, evaluates, or investigates the ~~ISTS~~ SSTS on or serving the property to provide a disclosure.

SUBDIVISION 8 ENFORCEMENT AND REGULATION

8.10 ENFORCEMENT

8.11 Violations Any person, firm, corporation or other entity who violates any of the provisions of this Ordinance or who makes any false statement on a Certificate of Compliance, shall be guilty of a misdemeanor, punishable by imprisonment or a fine or both as defined by law.

8.12 County Attorney Action In the event of a violation of this Ordinance, in addition to other remedies, the County Attorney may institute appropriate actions or proceedings to prevent, restrain, correct or abate such violations.

~~5.12~~ 8.13 Access to Premises and Records Upon request of the Department, the applicant, permittee, or any other person shall allow access at any reasonable time to the affected premises as well as any related records, for the purpose of regulating and enforcing this Ordinance.

~~5.13~~ 8.14 Interference Prohibited No person shall hinder or otherwise interfere with the Department in the performance of their duties and responsibilities pursuant to this Ordinance. Refusal to allow the Department reasonable access to the Department property shall be deemed a separate and distinct offense, whether or not any other specific violations are cited.

~~5.30~~ 8.15 Stop Work Orders Whenever any work is ~~being done~~ conducted contrary to the provisions of this Ordinance, the Department may order the work stopped by verbal or written notice personally served upon the installer or owner. Authorization to proceed is received from the Department.

Date of Effect:

This amended ordinance shall be in effect from and after its passage and approval, as provided by law.

Passed and approved the _____ day of _____, 2014.

Chairman, Pennington County Board of Commissioners

Attest: _____, County Auditor

DRAFT

DRAFT

Wetland Delineation Report

Pennington County Wetland Bank Site

T. 153 N., R. 40 W., Sec 34

Pennington County, MN

Prepared for:

Bryan Malone

Pennington SWCD

201 Sherwood Avenue South

Thief River Falls, MN 56701

Prepared by:

West Central Environmental Consultants, Inc.

14 Green River Road

Morris, MN 56267

January 8, 2014

WCEC Project No. 13-9815-30

WCEC

West Central Environmental Consultants, Inc.

Nationwide Services

www.wcec.com

Environmental



Emergency Response



Industrial Services

1.0 Introduction

West Central Environmental Consultants, Inc. (WCEC) was retained by Pennington County – Soil and Water Conservation District (hereinafter, “Applicant”) to complete a wetland delineation in Pennington County, Minnesota. The delineation area is located along the east bank of the Red Lake River in the NW ¼ of Section 34, of T. 153 N., R. 40 W. (**Figure 1**). The purpose of the wetland delineation was to determine the area of wetland created for a proposed wetland bank. WCEC was on-site to conduct the wetland delineation on October 2-4, 2013. The area was experiencing a drier than average period for this time of year. Several days of dry, clear weather preceded the delineation; however, light to heavy precipitation occurred during each of the three day delineation event. The results of the delineation are included in this wetland delineation report.

2.0 Site Details and Methods

On October 2-4, 2013, WCEC delineated an area 101.73 acres in size. Historically, the site has been used for agriculture. Two ditches and spoil piles were created to control the site hydrology during the growing season. The ditches and spoil piles comprised of 2.50 acres and 2.99 acres, respectively, of the total acreage. Also, three Type 3 Wetlands, totaling 1.30 acres in size, were located on the site prior to the restoration. The acreages for the pre-existing ditches, spoil piles, and Type 3 Wetlands are in addition to, and not included in, the wetland and upland acreages discussed below.

WCEC utilized an online resource from the University of Minnesota to calculate the antecedent precipitation for Pennington County at the time of the site visit. The site location was drier than normal for the time of year. Antecedent precipitation calculations are included as Appendix C.

Wetlands present within the above referenced property were identified and delineated using the procedures described in the Minnesota Wetland Conservation Act, the Army Corps of Engineers (ACOE) Manual for Identifying and Delineating Wetlands, 1987 edition, and the Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Great Plains Region. This method utilizes the standard multi-parameter approach (vegetation, hydrology, and soils) for wetland identification as outlined in the Corps of Engineers Wetland Determination Data Forms. In general, an area is considered a wetland if Hydrophytic Vegetation, Wetland Hydrology and Hydric Soils are present.

Location (T.R.Sec. ¼): T. 153 N., R. 40 W., Sec. 34
(Figure 1)

ACOE Delineation Method: Routine Level 3

Resources used:

USFWS NWI	<input checked="" type="checkbox"/> (Figure 5)
NRCS Web Soil Survey	<input checked="" type="checkbox"/> (Appendix A)
MN DNR PWI	<input checked="" type="checkbox"/> (Figure 6)
USGS Topo	<input checked="" type="checkbox"/> (Figure 1)
Aerial photos	<input checked="" type="checkbox"/>
National wetland plant list	<input checked="" type="checkbox"/>

WCEC’s wetland delineation followed the ACOE procedure for identifying wetland boundaries by completing the appropriate number of transects, investigating the required wetland criteria, and identifying the boundary between the wetland and upland. A soil sampling auger or tiling shovel was used to complete soil sampling plots and check the soils and hydrology at periodic intervals throughout the delineated boundary to confirm accuracy and/or adjust the boundary accordingly.

Wetland boundaries were geolocated using sub-meter accuracy global positioning systems (GPS) and incorporated within a geographic information system (GIS) using ArcGIS 10.0 GIS software. The site survey data is being used to aid in site planning.

3.0 Results and Discussion

Upland	
Location and Transect:	T1-Upland, T2-Upland (Figure 3a)
Size:	6.17 acres, 268,631 ft ²
Type(s):	Upland
Dominant Vegetation:	Smooth Brome, Big Bluestem, Little Bluestem
Source of Hydrology:	Runoff from precipitation events and snowmelt
Dominant Soil:	Loam
Hydric Soil Indicator:	No Hydric Soil Indicator was identified
USDA Soil Type:	Kratka fine sandy loam; Reiner fine sandy loam; Smiley loam (Appendix A)
NWI Classification:	None (Figure 5)
Consistent with NWI	No wetland identified by NWI in this location
Consistent with Soil Survey	Consistent with components of soil descriptions identified in the USDA Soil Survey (Appendix A, Appendix B)
Watershed:	Major: Red Lake River; Minor: Red Lake River
Notes:	

Wetland 1	
Location and Transect:	T1-Wetland, T2-Wetland, E1, E2, A1 (Figure 3b)
Size:	23.05 acres, 1,004,011 ft ²
Type(s):	Type 2 – Wet to Wet-Mesic Prairie
Dominant Vegetation:	Big Bluestem, Little Bluestem, Kentucky Bluegrass, Tessoek Sedge, Reed Canary Grass
Source of Hydrology:	Runoff and perched water table from precipitation events and snowmelt
Dominant Soil:	Loam
Hydric Soil Indicator:	Depleted Below Dark Surface
USDA Soil Type:	Borup Loam; Fluvaquents, frequently flooded-Hapludolls complex; Kratka fine sandy loam; Smiley loam (Appendix A)
NWI Classification:	None (Figure 5)
Consistent with NWI	No wetland identified by NWI in this location
Consistent with Soil Survey	Consistent with components of soil descriptions identified in the USDA Soil Survey (Appendix A, Appendix B)
Watershed:	Major: Red Lake River; Minor: Red Lake River
Notes:	<ul style="list-style-type: none"> Type 2 Wetlands were identified along the east and west portions of the site.

Wetland 2	
Location and Transect:	B1, F1 (Figure 3c)
Size:	4.60 acres, 200,443 ft ²
Type(s):	Type 3 – Shallow Marsh
Dominant Vegetation:	Reed Canary Grass, Spotted Water-hemlock, Giant Reed Grass, Lesser Duckweed
Source of Hydrology:	Runoff and perched water table from precipitation events and snowmelt
Dominant Soil:	Muck and Loam
Hydric Soil Indicator:	Black histic
USDA Soil Type:	Borup Loam; Fluvaquents, frequently flooded-Hapludolls complex (Appendix A)
NWI Classification:	PEMCD (Figure 5)
Consistent with NWI	The identified wetlands were consistent with the NWI classification
Consistent with Soil Survey	Consistent with components of soil descriptions identified in the USDA Soil Survey (Appendix A, Appendix B)
Watershed:	Major: Red Lake River; Minor: Red Lake River
Notes:	<ul style="list-style-type: none"> Four Type 3 Wetlands were identified along the west portion of the site. Before restoring the site, three small Type 3 Wetlands existed at the site. The area of the pre-existing wetlands increased following site restoration. The pre-existing wetlands totaled 1.30 acres; this is in addition to the 4.60 acres created after the restoration.

Wetland 3	
Location and Transect:	C1 (Figure 3d)
Size:	57.74 acres, 2,515,218.5 ft ²
Type(s):	Type 6 – Shrub Swamp
Dominant Vegetation:	Sandbar Willow, Sphagnum Moss, Kentucky Bluestem, Reed Canary Grass
Source of Hydrology:	Runoff and perched water table from precipitation events and snowmelt
Dominant Soil:	Loam
Hydric Soil Indicator:	Depleted Below Dark Surface
USDA Soil Type:	Borup Loam; Fluvaquents, frequently flooded-Hapludolls complex; Kratka fine sandy loam; Smiley loam (Appendix A)
NWI Classification:	PEMC (Figure 5)
Consistent with NWI	The identified wetland was consistent with the NWI classification
Consistent with Soil Survey	Consistent with components of soil descriptions identified in the USDA Soil Survey (Appendix A, Appendix B)
Watershed:	Major: Red Lake River; Minor: Red Lake River
Notes:	<ul style="list-style-type: none"> • A large Type 6 Wetland was identified within the center portion of the site. • Two man-made ditches and spoil piles existed before the site restoration. The ditches and spoil piles totaled 5.00 acres; this is in addition to the 57.01 acres created after the restoration.

Wetland 4	
Location and Transect:	D1 (Figure 3e)
Size:	3.38 acres, 147,230 ft ²
Type(s):	Type 7 – Hardwood forest
Dominant Vegetation:	Quaking Aspen, Green Ash, Bur Oak, Reed Canary Grass, Prairie Rose
Source of Hydrology:	Runoff and perched water table from precipitation events and snowmelt
Dominant Soil:	Loam
Hydric Soil Indicator:	Depleted Below Dark Surface
USDA Soil Type:	Reiner fine sandy loam; Smiley loam (Appendix A)
NWI Classification:	None (Figure 5)
Consistent with NWI	No wetland identified by NWI in this location
Consistent with Soil Survey	Consistent with components of soil descriptions identified in the USDA Soil Survey (Appendix A, Appendix B)
Watershed:	Major: Red Lake River; Minor: Red Lake River
Notes:	<ul style="list-style-type: none"> • A large Type 6 Wetland was identified within the center portion of the site. • A man-made spoil pile existed before the site restoration. The spoil pile totaled 0.49 acres; this is in addition to the 57.74 acres created after the restoration.

To confirm delineation accuracy, two sampling transects (T1-Upland/T1-Wetland and T2-Upland/T2-Wetland) and one verification location (E2) were completed along the wetland boundary and provide increased sample density. Also, at least one sampling point completed in each plant community type. Specifics of observed vegetation, hydrology and soil characteristics were placed on the Army Corps of Engineers (ACOE) Wetland Determination Data Forms for Routine Determination (**Appendix B**). As an additional elevation source, WCEC mapped the delineation boundary on a Minnesota LiDAR elevation base map (**Figure 4**). Photos of the site are included in **Appendix E**.

Upland: One large upland type was located along the northeast portion of the site. The upland plant communities are classified as prairie grassland. Most of the delineation boundary is in this plant community type.

4.0 Summary

On October 2-4, WCEC delineated an area 101.73 acres in size. The majority of the site was observed to be wetland (**Figure 2, Figure 4**). Four wetland types were identified and 1 upland area (**Figure 3a-e**). The source of hydrology for the wetland communities is from the perched water table, precipitation and runoff. These wetlands meet the wetland criteria outlined in the *Army Corps of Engineers (ACOE) Manual for Identifying and Delineating Wetlands, 1987 edition*, and the *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Great Plains Region*.

Pennington County intends to preserve the site as a Wetland Bank. The purpose of the wetland delineation was to identify wetland locations and types prior to final approval of Bank status.

This report outlines the professional observations and recommendations of West Central Environmental Consultants. No warranty is intended or implied. If you have any questions regarding this report, or would like additional information, please feel free to contact me at 320-589-2039.

Sincerely,



Christopher T. Lesmeister
Project Manager

LIST OF FIGURES

Figure 1: Site Location Map

Figure 2: Wetland Delineation Map

Figure 3: Plant Community Maps

Figure 4: Wetland Delineation and Elevation Map

Figure 5: U.S. Fish and Wildlife Service – National Wetlands Inventory Maps

Figure 6: Minnesota Department of Natural Resources – Public Waters Maps

FIGURE 1

Site Location Map

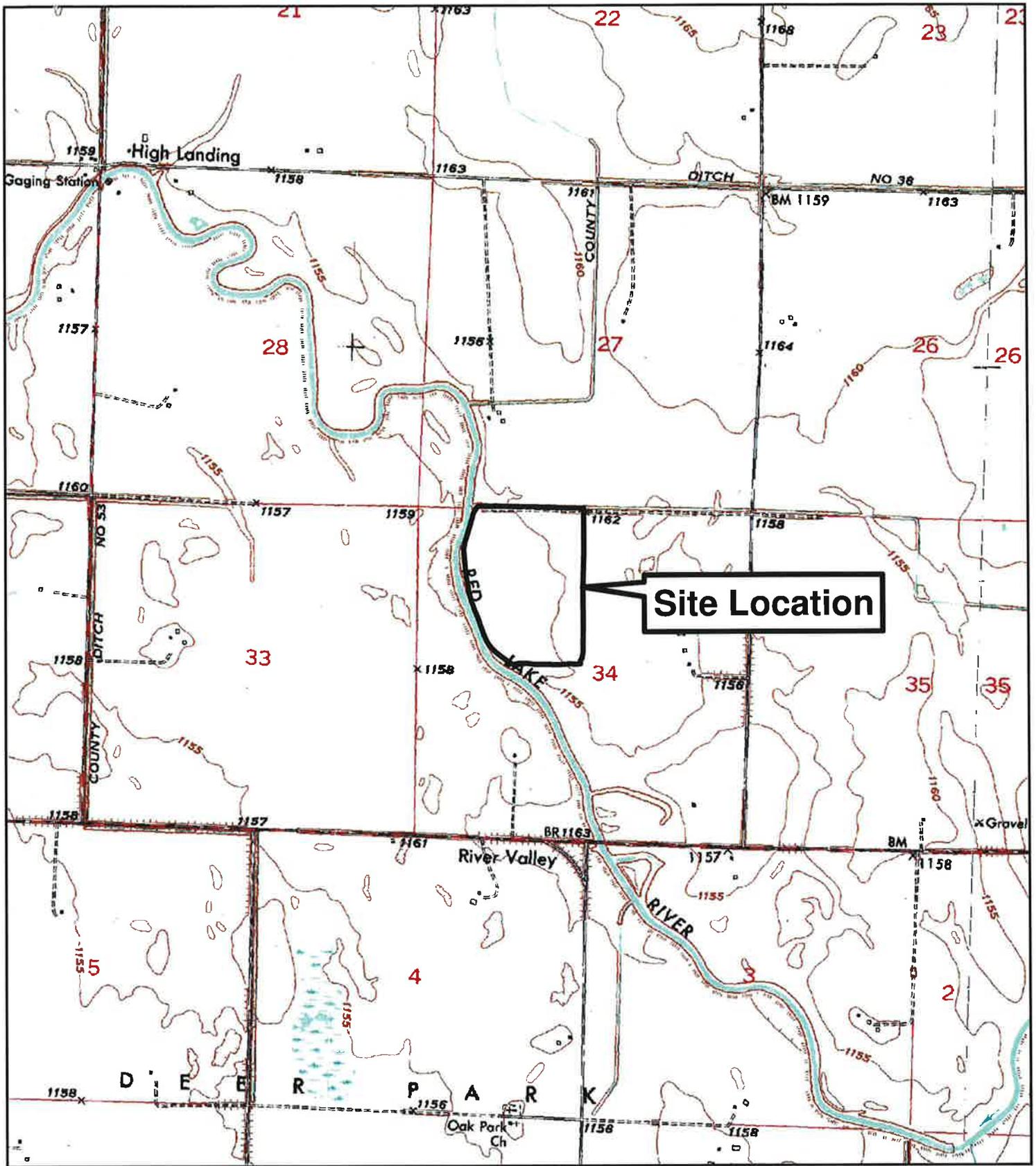
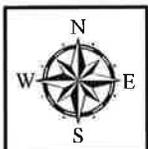


Figure 1: Site Location Map (USGS 7.5 Minute Quadrangle Topographic Base Map)
 WCEC Project No.: 13-9815-30, Pennington County Wetland Bank Site, Thief River Falls, MN



DATE: 12.06.2013
 DRAWN BY: CTL

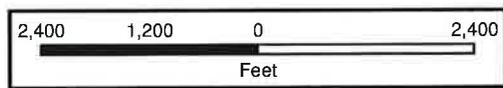


FIGURE 2

Wetland Delineation Map

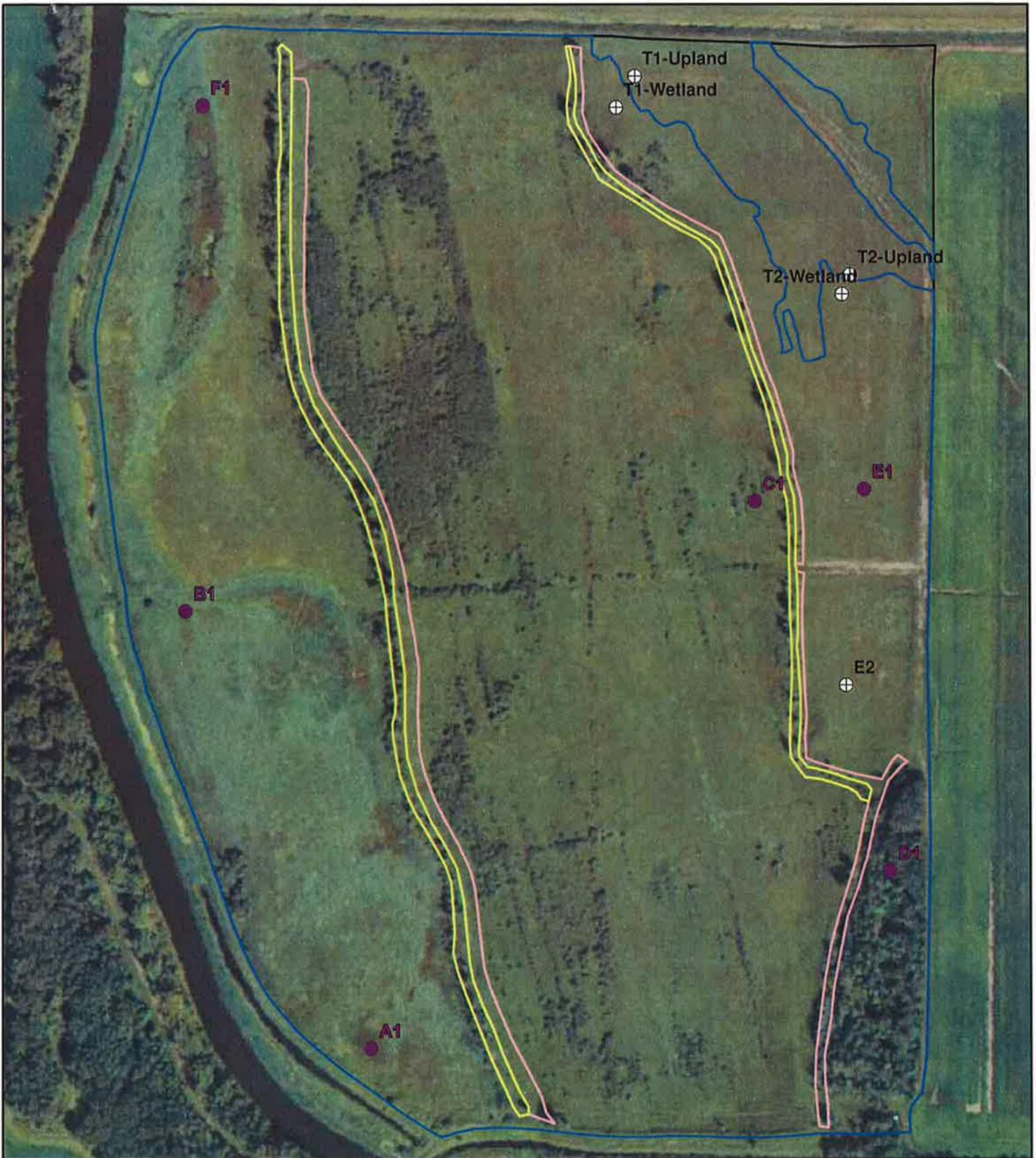
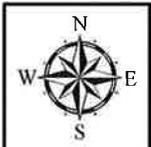
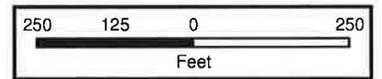


Figure 2: Wetland Delineation Map (2010 Aerial Photography Base Map)
 WCEC Project No.: 13-9815-30, Pennington County Wetland Bank, Thief River Falls, MN



DATE: 12.12.2013
 DRAWN BY: CTL

Legend			
	Perimeter		Transect Sample Location
	Approximate Wetland Boundary		Plant Community Sample Location
	Ditch		
	Spoil Pile		



FIGURE 3

Plant Community Maps



Figure 3a: Plant Community Map (2010 Aerial Photography Base Map)
WCEC Project No.: 13-9815-30, Pennington County Wetland Bank, Thief River Falls, MN



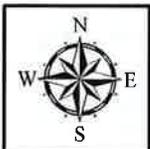
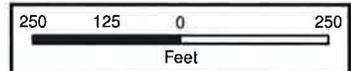
DATE: 11.27.2013
 DRAWN BY: CTL

Legend			
	Perimeter		Type 3
	Upland		Type 6
	Type 2		Type 7
	Plant Community Sample Location		Transect Sample Location





Figure 3b: Plant Community Map (2010 Aerial Photography Base Map)
 WCEC Project No.: 13-9815-30, Pennington County Wetland Bank, Thief River Falls, MN



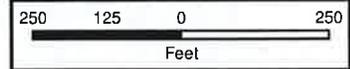
DATE: 11.27.2013
 DRAWN BY: CTL

Legend	
Perimeter	Type 3
Upland	Type 6
Type 2	Type 7
Plant Community Sample Location	Transect Sample Location





Figure 3c: Plant Community Map (2010 Aerial Photography Base Map)
WCEC Project No.: 13-9815-30, Pennington County Wetland Bank, Thief River Falls, MN



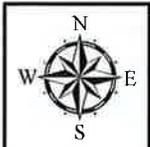
DATE: 11.27.2013
 DRAWN BY: CTL

Legend			
	Perimeter		Type 3
	Upland		Type 6
	Type 2		Type 7
	Plant Community Sample Location		Transect Sample Location





Figure 3d: Plant Community Map (2010 Aerial Photography Base Map)
WCEC Project No.: 13-9815-30, Pennington County Wetland Bank, Thief River Falls, MN



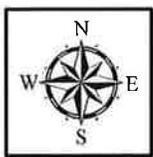
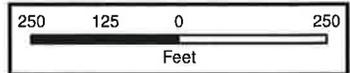
DATE: 11.27.2013
 DRAWN BY: CTL

Legend			
	Perimeter		Type 3
	Upland		Type 6
	Type 2		Type 7
	Plant Community Sample Location		Transect Sample Location





Figure 3e: Plant Community Map (2010 Aerial Photography Base Map)
WCEC Project No.: 13-9815-30, Pennington County Wetland Bank, Thief River Falls, MN



DATE: 11.27.2013
 DRAWN BY: CTL

Legend	
— Perimeter	— Type 3
— Upland	— Type 6
— Type 2	— Type 7
● Plant Community Sample Location	⊕ Transect Sample Location



FIGURE 4

Wetland Delineation and Elevation Map

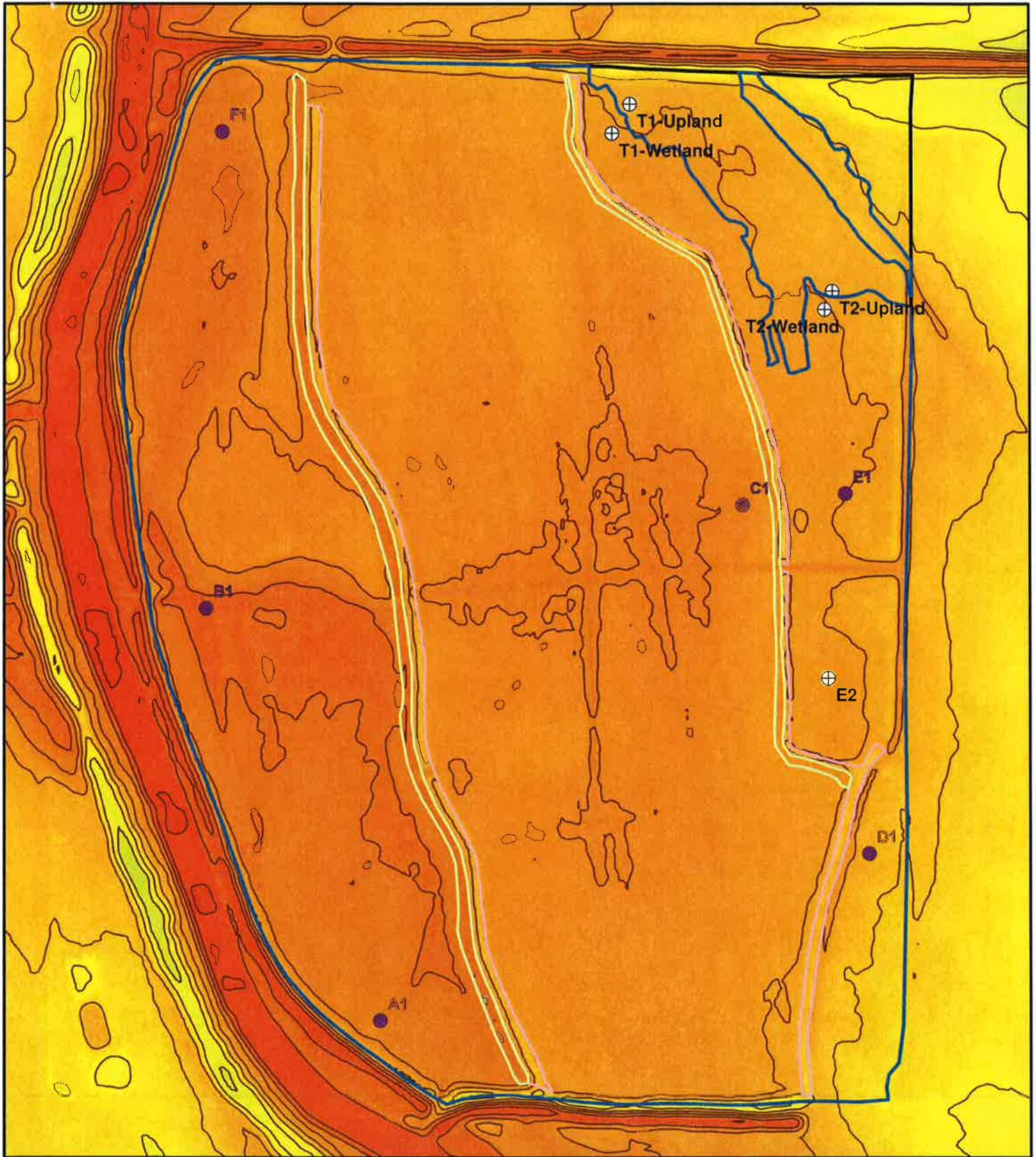
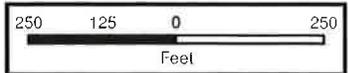


Figure 4: Wetland Delineation and Elevation Map (MN LiDAR Elevation Base Map)
 WCEC Project No.: 13-9815-30, Pennington County Wetland Bank, Thief River Falls, MN



	DATE: 12.2.2013	Legend — Perimeter — Approx. Wetland Boundary ⊕ Transect Location	Contour (2' interval) Com. Sample Location High : 358 meters Low : 349 meters	Ditch Spoil Pile
	DRAWN BY: CTL			

FIGURE 5

U.S. Fish and Wildlife Service – National Wetlands Inventory Maps



U.S. Fish and Wildlife Service
National Wetlands Inventory

**Pennington County
Wetland Bank Site**

Dec 10, 2013



Wetlands

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

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:



U.S. Fish and Wildlife Service National Wetlands Inventory

Pennington County Wetland Bank Site

Dec 10, 2013



Wetlands

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

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:



U.S. Fish and Wildlife Service

National Wetlands Inventory

Pennington County Wetland Bank Site

Dec 10, 2013



Wetlands

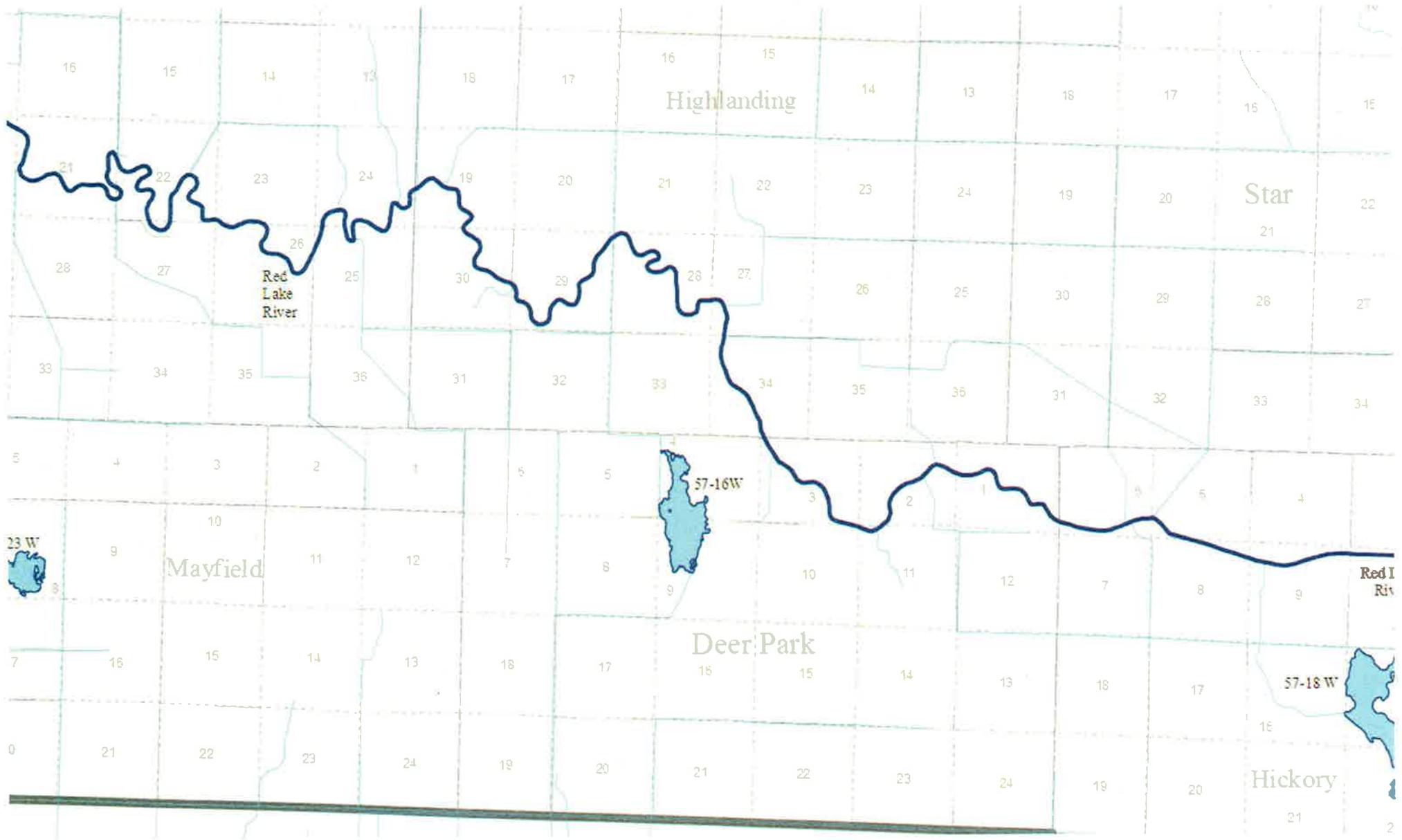
-  Freshwater Emergent
-  Freshwater Forested/Shrub
-  Estuarine and Marine Deepwater
-  Estuarine and Marine
-  Freshwater Pond
-  Lake
-  Riverine
-  Other

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:

FIGURE 6

Minnesota Department of Natural Resources -- Public Waters Maps



LIST OF APPENDICIES

Appendix A: USDA Web Soil Survey

Appendix B: Wetland Determination Data Forms

Appendix C: Antecedent Precipitation

Appendix D: Groundwater Monitoring Data from Pennington County NRCS

Appendix E: Photographs

APPENDIX A

USDA Web Soil Survey



A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Pennington County, Minnesota

Pennington County Wetland Bank Site



December 5, 2013

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://soils.usda.gov/sqi/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<http://offices.sc.egov.usda.gov/locator/app?agency=nrsc>) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

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Contents

Preface.....	2
How Soil Surveys Are Made.....	5
Soil Map.....	7
Soil Map.....	8
Legend.....	9
Map Unit Legend.....	10
Map Unit Descriptions.....	10
Pennington County, Minnesota.....	12
I5A—Borup loam, 0 to 2 percent slopes.....	12
I16F—Fluvaquents, frequently flooded-Hapludolls complex, 0 to 30 percent slopes.....	13
I38A—Kratka fine sandy loam, 0 to 2 percent slopes.....	15
I50A—Reiner fine sandy loam, 0 to 3 percent slopes.....	17
I59A—Smiley loam, 0 to 2 percent slopes.....	18
W—Water.....	20
Soil Information for All Uses.....	21
Suitabilities and Limitations for Use.....	21
Land Classifications.....	21
Hydric Rating by Map Unit.....	21
References.....	26

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

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individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

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Soil Map



Map Scale: 1:6,990 if printed on A portrait (8.5" x 11") sheet



Map projection: Web Mercator. Corner coordinates: WGS84. Edge tics: UTM Zone 15N WGS84



MAP LEGEND

Area of Interest (AOI)			Spoil Area
	Area of Interest (AOI)		Stony Spot
Soils			Very Stony Spot
	Soil Map Unit Polygons		Wet Spot
	Soil Map Unit Lines		Other
	Soil Map Unit Points		Special Line Features
Special Point Features		Water Features	
	Blowout		Streams and Canals
	Borrow Pit	Transportation	
	Clay Spot		Rails
	Closed Depression		Interstate Highways
	Gravel Pit		US Routes
	Gravelly Spot		Major Roads
	Landfill		Local Roads
	Lava Flow	Background	
	Marsh or swamp		Aerial Photography
	Mine or Quarry		
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

MAP INFORMATION

The soil surveys that comprise your AOI w

Please rely on the bar scale on each map measurements

Source of Map: Natural Resources Con
 Web Soil Survey URL: <http://websoilsur>
 Coordinate System: Web Mercator (EPS

Maps from the Web Soil Survey are basec
 projection, which preserves direction and:
 distance and area. A projection that prese
 Albers equal-area conic projection, should
 calculations of distance or area are requir

This product is generated from the USDA-I
 the version date(s) listed below.

Soil Survey Area: Pennington County, A
 Survey Area Data: Version 8, May 25, 2

Soil map units are labeled (as space allows
 or larger.

Date(s) aerial images were photographed
 2011

The orthophoto or other base map on whic
 compiled and digitized probably differs fro
 imagery displayed on these maps. As a re
 of map unit boundaries may be evident.

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Map Unit Legend

Pennington County, Minnesota (MN113)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
I5A	Borup loam, 0 to 2 percent slopes	25.3	11.0%
I16F	Fluvaquents, frequently flooded-Hapludolls complex, 0 to 30 percent slopes	39.7	17.3%
I38A	Kratka fine sandy loam, 0 to 2 percent slopes	43.9	19.1%
I50A	Reiner fine sandy loam, 0 to 3 percent slopes	57.0	24.8%
I59A	Smiley loam, 0 to 2 percent slopes	58.5	25.5%
W	Water	5.1	2.2%
Totals for Area of Interest		229.6	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially

Custom Soil Resource Report

where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a soil series. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into soil phases. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A complex consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An association is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An undifferentiated group is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include miscellaneous areas. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Pennington County, Minnesota

15A—Borup loam, 0 to 2 percent slopes

Map Unit Setting

Elevation: 750 to 1,250 feet

Mean annual precipitation: 19 to 24 inches

Mean annual air temperature: 36 to 45 degrees F

Frost-free period: 110 to 135 days

Map Unit Composition

Borup and similar soils: 75 percent

Minor components: 25 percent

Description of Borup

Setting

Landform: Deltas

Landform position (three-dimensional): Dip

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Coarse-silty glaciolacustrine deposits

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 14.17 in/hr)

Depth to water table: About 0 to 18 inches

Frequency of flooding: None

Frequency of ponding: Occasional

Calcium carbonate, maximum content: 40 percent

Gypsum, maximum content: 3 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 3.9 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water capacity: High (about 11.0 inches)

Interpretive groups

Farmland classification: Prime farmland if drained

Land capability (nonirrigated): 2w

Hydrologic Soil Group: A/D

Ecological site: Wet Meadow (R056XY102ND)

Other vegetative classification: Wet (G056XY900ND)

Typical profile

0 to 12 inches: Loam

12 to 34 inches: Loam

34 to 60 inches: Very fine sandy loam

Minor Components

Glyndon

Percent of map unit: 9 percent

Landform: Deltas

Landform position (three-dimensional): Talf, rise

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Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: Limy Subirrigated (R056XY087ND)
Other vegetative classification: Subirrigated (G056XY700ND)

Rosewood

Percent of map unit: 8 percent
Landform: Flats on lake plains, swales on lake plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Wet Meadow (R056XY102ND)

Augsburg

Percent of map unit: 5 percent
Landform: Flats on lake plains, swales on lake plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Wet Meadow (R056XY102ND)

Augsburg, depressional

Percent of map unit: 3 percent
Landform: Depressions on lake plains
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: Shallow Marsh (R056XY101ND)

116F—Fluvaquents, frequently flooded-Hapludolls complex, 0 to 30 percent slopes

Map Unit Setting

Elevation: 750 to 1,250 feet
Mean annual precipitation: 19 to 24 inches
Mean annual air temperature: 36 to 45 degrees F
Frost-free period: 110 to 135 days

Map Unit Composition

Fluvaquents, frequently flooded, and similar soils: 55 percent
Hapludolls, rarely flooded, and similar soils: 25 percent
Minor components: 20 percent

Description of Fluvaquents, Frequently Flooded

Setting

Landform: Flats on flood plains, swales on flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches

Custom Soil Resource Report

Drainage class: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to very high (1.42 to 14.17 in/hr)
Depth to water table: About 0 to 10 inches
Frequency of flooding: Frequent
Frequency of ponding: Frequent
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Moderate (about 8.1 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 6w
Hydrologic Soil Group: A/D

Typical profile

0 to 16 inches: Fine sandy loam
16 to 80 inches: Stratified loamy sand to silt loam

Description of Hapludolls, Rarely Flooded

Setting

Landform: Escarpments on flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Glaciolacustrine deposits and/or till

Properties and qualities

Slope: 2 to 30 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.14 to 1.42 in/hr)
Depth to water table: About 59 to 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Available water capacity: High (about 10.4 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 2e
Hydrologic Soil Group: B

Typical profile

0 to 9 inches: Loam
9 to 60 inches: Loam

Minor Components

Hapludalfs, rarely flooded

Percent of map unit: 7 percent
Landform: Escarpments on flood plains
Down-slope shape: Linear
Across-slope shape: Linear

Water

Percent of map unit: 5 percent

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Landform: Flood plains

Fairdale, occasionally flooded

Percent of map unit: 5 percent

Landform: Rises on flood plains

Down-slope shape: Convex

Across-slope shape: Linear

Bowstring, frequently flooded

Percent of map unit: 2 percent

Landform: Swales on flood plains

Down-slope shape: Concave

Across-slope shape: Linear

Rauville, frequently flooded

Percent of map unit: 1 percent

Landform: Oxbows on flood plains

Down-slope shape: Concave

Across-slope shape: Concave

138A—Kratka fine sandy loam, 0 to 2 percent slopes

Map Unit Setting

Elevation: 750 to 1,250 feet

Mean annual precipitation: 19 to 24 inches

Mean annual air temperature: 36 to 45 degrees F

Frost-free period: 110 to 135 days

Map Unit Composition

Kratka and similar soils: 70 percent

Minor components: 30 percent

Description of Kratka

Setting

Landform: Swales on lake plains, flats on lake plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Glaciolacustrine deposits over till

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.14 to 1.42 in/hr)

Depth to water table: About 0 to 30 inches

Frequency of flooding: None

Frequency of ponding: Occasional

Calcium carbonate, maximum content: 20 percent

Custom Soil Resource Report

Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: High (about 9.1 inches)

Interpretive groups

Farmland classification: Prime farmland if drained
Land capability (nonirrigated): 2w
Hydrologic Soil Group: B/D

Typical profile

0 to 11 inches: Fine sandy loam
11 to 18 inches: Loamy fine sand
18 to 25 inches: Fine sand
25 to 80 inches: Loam

Minor Components

Smiley

Percent of map unit: 7 percent
Landform: Swales on lake plains, flats on lake plains
Down-slope shape: Linear
Across-slope shape: Linear

Foldahl

Percent of map unit: 5 percent
Landform: Rises on lake plains
Down-slope shape: Convex
Across-slope shape: Linear

Kratka, very cobbly

Percent of map unit: 5 percent
Landform: Swales on lake plains, flats on lake plains
Down-slope shape: Linear
Across-slope shape: Linear

Strathcona

Percent of map unit: 5 percent
Landform: Swales on lake plains, flats on lake plains
Down-slope shape: Linear
Across-slope shape: Linear

Strandquist

Percent of map unit: 3 percent
Landform: Swales on lake plains, flats on lake plains
Down-slope shape: Linear
Across-slope shape: Linear

Kratka, depressional

Percent of map unit: 3 percent
Landform: Depressions on lake plains
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: Wet Meadow (R056XY102ND)

Linveldt

Percent of map unit: 2 percent
Landform: Rises on lake plains
Down-slope shape: Convex
Across-slope shape: Linear

Custom Soil Resource Report

I50A—Reiner fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 750 to 1,250 feet

Mean annual precipitation: 19 to 24 inches

Mean annual air temperature: 36 to 45 degrees F

Frost-free period: 110 to 135 days

Map Unit Composition

Reiner and similar soils: 70 percent

Minor components: 30 percent

Description of Reiner

Setting

Landform: Rises on lake plains

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Till

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.14 to 1.42 in/hr)

Depth to water table: About 20 to 49 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: High (about 10.2 inches)

Interpretive groups

Farmland classification: All areas are prime farmland

Land capability (nonirrigated): 1

Hydrologic Soil Group: C

Typical profile

0 to 7 inches: Fine sandy loam

7 to 17 inches: Clay loam

17 to 21 inches: Loam

21 to 35 inches: Loam

35 to 80 inches: Loam

Minor Components

Smiley

Percent of map unit: 12 percent

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Landform: Swales on lake plains, flats on lake plains

Down-slope shape: Linear

Across-slope shape: Linear

Reiner, very cobbly

Percent of map unit: 7 percent

Landform: Rises on lake plains

Down-slope shape: Convex

Across-slope shape: Linear

Linveldt

Percent of map unit: 5 percent

Landform: Rises on lake plains

Down-slope shape: Convex

Across-slope shape: Linear

Kratka

Percent of map unit: 3 percent

Landform: Flats on lake plains, swales on lake plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: Wet Meadow (R056XY102ND)

Eckvoll

Percent of map unit: 3 percent

Landform: Rises on lake plains

Down-slope shape: Convex

Across-slope shape: Linear

159A—Smiley loam, 0 to 2 percent slopes

Map Unit Setting

Elevation: 750 to 1,250 feet

Mean annual precipitation: 19 to 24 inches

Mean annual air temperature: 36 to 45 degrees F

Frost-free period: 110 to 135 days

Map Unit Composition

Smiley and similar soils: 65 percent

Minor components: 35 percent

Description of Smiley

Setting

Landform: Flats on lake plains, swales on lake plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Till

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Custom Soil Resource Report

Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.14 to 1.42 in/hr)
Depth to water table: About 0 to 30 inches
Frequency of flooding: None
Frequency of ponding: Occasional
Calcium carbonate, maximum content: 30 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: High (about 10.8 inches)

Interpretive groups

Farmland classification: Prime farmland if drained
Land capability (nonirrigated): 2w
Hydrologic Soil Group: B/D

Typical profile

0 to 12 inches: Loam
12 to 19 inches: Clay loam
19 to 42 inches: Loam
42 to 80 inches: Loam

Minor Components

Smiley, very cobbly

Percent of map unit: 10 percent
Landform: Flats on lake plains, swales on lake plains
Down-slope shape: Linear
Across-slope shape: Linear

Kratka

Percent of map unit: 9 percent
Landform: Flats on lake plains, swales on lake plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Wet Meadow (R056XY102ND)

Roliss

Percent of map unit: 5 percent
Landform: Flats on lake plains, swales on lake plains
Down-slope shape: Linear
Across-slope shape: Linear

Reiner

Percent of map unit: 4 percent
Landform: Rises on lake plains
Down-slope shape: Convex
Across-slope shape: Linear

Linveldt

Percent of map unit: 3 percent
Landform: Rises on lake plains
Down-slope shape: Convex
Across-slope shape: Linear

Smiley, depressional

Percent of map unit: 3 percent
Landform: Depressions on lake plains

Custom Soil Resource Report

Down-slope shape: Concave
Across-slope shape: Linear

Strandquist

Percent of map unit: 1 percent
Landform: Swales on lake plains, flats on lake plains
Down-slope shape: Linear
Across-slope shape: Linear

W—Water

Map Unit Setting

Elevation: 750 to 1,250 feet
Mean annual precipitation: 19 to 24 inches
Mean annual air temperature: 36 to 45 degrees F
Frost-free period: 110 to 135 days

Map Unit Composition

Water: 100 percent

Soil Information for All Uses

Suitabilities and Limitations for Use

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

Land Classifications

Land Classifications are specified land use and management groupings that are assigned to soil areas because combinations of soil have similar behavior for specified practices. Most are based on soil properties and other factors that directly influence the specific use of the soil. Example classifications include ecological site classification, farmland classification, irrigated and nonirrigated land capability classification, and hydric rating.

Hydric Rating by Map Unit

This rating indicates the proportion of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is designated as "hydric," "predominantly hydric," "partially hydric," "predominantly nonhydric," or "nonhydric" depending on the rating of its respective components and the percentage of each component within the map unit.

"Hydric" means that all components listed for a given map unit are rated as being hydric. "Predominantly hydric" means components that comprise 66 to 99 percent of the map unit are rated as hydric. "Partially hydric" means components that comprise 33 to 66 percent of the map unit are rated as hydric. "Predominantly nonhydric" means components that comprise up to 33 percent of the map unit are rated as hydric. "Nonhydric" means that none of the components are rated as hydric. The assumption here is that all components of the map unit are rated as hydric or nonhydric in the

Custom Soil Resource Report

underlying database. A "Not rated or not available" map unit rating is displayed when none of the components within a map unit have been rated.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as being hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

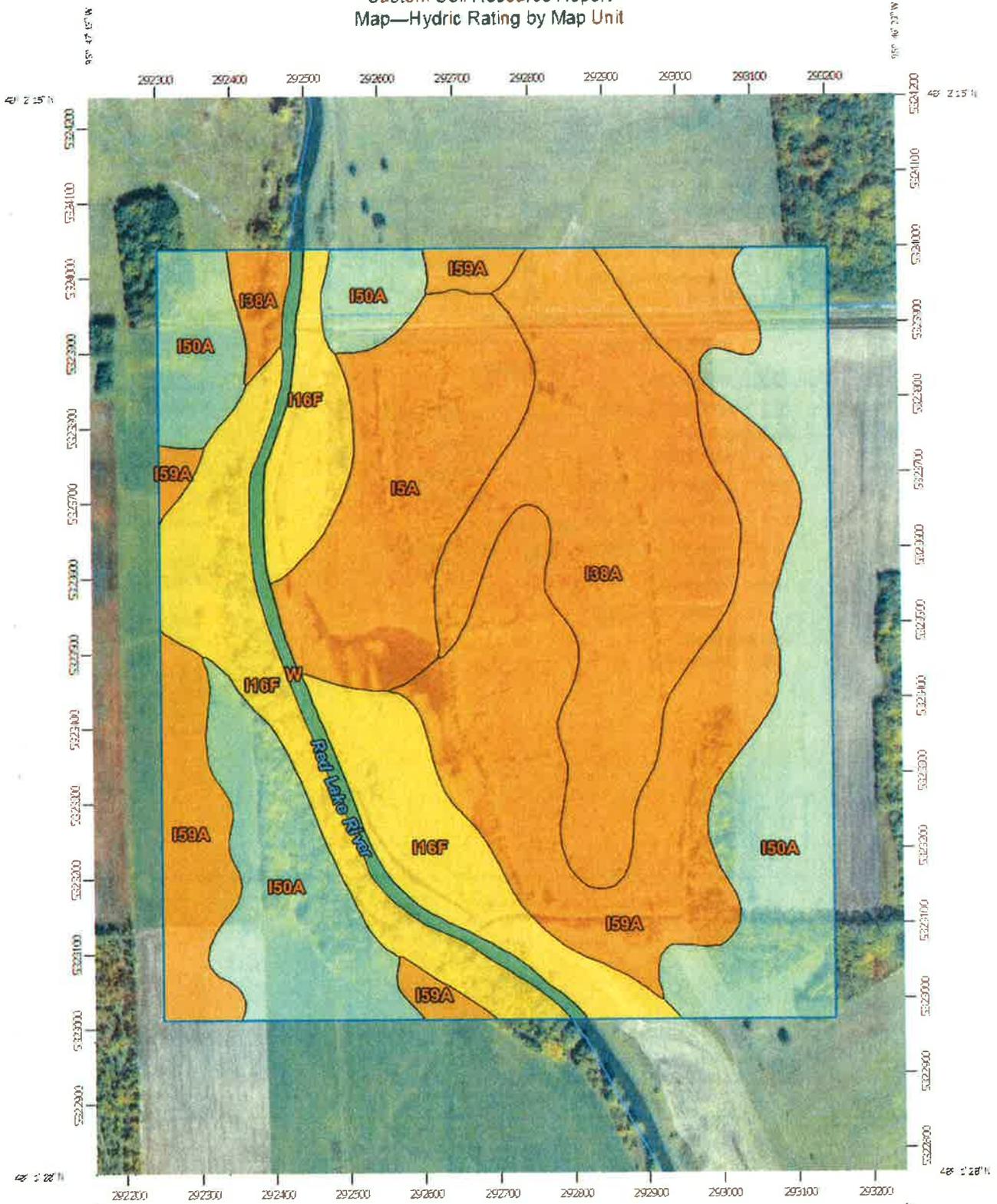
Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Custom Soil Resource Report Map—Hydric Rating by Map Unit



Map Scale: 1:6,990 if printed on A portrait (8.5" x 11") sheet.

0 100 200 400 600 Meters

0 300 600 1200 1800 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

Custom Soil Resource Report

Table—Hydric Rating by Map Unit

Hydric Rating by Map Unit— Summary by Map Unit — Pennington County, Minnesota (MN113)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
I5A	Borup loam, 0 to 2 percent slopes	91	25.3	11.0%
I16F	Fluvaquents, frequently flooded-Hapludolls complex, 0 to 30 percent slopes	58	39.7	17.3%
I38A	Kratka fine sandy loam, 0 to 2 percent slopes	93	43.9	19.1%
I50A	Reiner fine sandy loam, 0 to 3 percent slopes	15	57.0	24.8%
I59A	Smiley loam, 0 to 2 percent slopes	93	58.5	25.5%
W	Water	0	5.1	2.2%
Totals for Area of Interest			229.6	100.0%

Rating Options—Hydric Rating by Map Unit

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. <http://soils.usda.gov/>

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436. <http://soils.usda.gov/>

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. <http://soils.usda.gov/>

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. <http://soils.usda.gov/>

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.glti.nrcs.usda.gov/>

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. <http://soils.usda.gov/>

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. <http://soils.usda.gov/>

Custom Soil Resource Report

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210.

APPENDIX B

Wetland Determination Data Forms

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/03/13
 Applicant/Owner: Pennington County State: MN Sampling Point: T1-Upland
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, non _____ Slope (%) _____
 Subregion (LRR _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name _____ NWI Classification: _____
 Are climatic/hydrologic conditions of the site typical for this time of the year? Yes _____ No X¹ (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

Hydrophytic vegetation present? <u>N</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>N</u>	
Indicators of wetland hydrology present? <u>N</u>	

Remarks: (Explain alternative procedures here or in a separate report.)

¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323877.72m Northing, 292834.41m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1	_____	_____	_____	_____	Number of Dominant Species that are OBL, FACW, or FAC: <u>0</u> (A)	
2	_____	_____	_____	_____	Total Number of Dominant Species Across all Strata: <u>1</u> (B)	
3	_____	_____	_____	_____	Percent of Dominant Species that are OBL, FACW, or FAC: <u>0.00%</u> (A/B)	
4	_____	_____	_____	_____		
5	_____	_____	_____	_____		
		<u>0</u>	= Total Cover			
Sapling/Shrub stratum	(Plot size: <u>15</u>)				Prevalence Index Worksheet	
1	_____				Total % Cover of:	
2	_____				OBL species <u>0</u> x 1 = <u>0</u>	
3	_____				FACW species <u>0</u> x 2 = <u>0</u>	
4	_____				FAC species <u>25</u> x 3 = <u>75</u>	
5	_____				FACU species <u>100</u> x 4 = <u>400</u>	
		<u>0</u>	= Total Cover		UPL species <u>30</u> x 5 = <u>150</u>	
					Column totals <u>155</u> (A) <u>625</u> (B)	
					Prevalence Index = B/A = <u>4.03</u>	
Herb stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators:	
1	<u>Bromus inermis</u>	<u>90</u>	<u>Y</u>	<u>FACU</u>	____ Rapid test for hydrophytic vegetation	
2	<u>Andropogon gerardii</u>	<u>25</u>	<u>N</u>	<u>FAC</u>	____ Dominance test is >50%	
3	<u>Ratibida pinnata</u>	<u>20</u>	<u>N</u>	<u>UPL</u>	____ Prevalence index is ≤3.0*	
4	<u>Schizachyrium scoparium</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5	<u>Dalea candida</u>	<u>5</u>	<u>N</u>	<u>UPL</u>	____ Problematic hydrophytic vegetation* (explain)	
6	<u>Dalea purpurea</u>	<u>5</u>	<u>N</u>	<u>UPL</u>	____	
7	_____				*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
8	_____					
9	_____					
10	_____					
		<u>155</u>	= Total Cover			
Woody vine stratum	(Plot size: _____)				Hydrophytic vegetation present? <u>N</u>	
1	_____					
2	_____					
		<u>0</u>	= Total Cover			

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: T1-Upland

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	10YR 2/1	100						Sandy Silt
6 +	2.5YR 6/3	90	2.5YR 6/8	10	C	M		Sandy Clay Silt

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators: <input type="checkbox"/> Histisol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR F) <input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)	Indicators for Problematic Hydric Soils³: <input type="checkbox"/> 1 cm Muck (A9) (LRR I, J) <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) <input type="checkbox"/> Reduced Vertic (F18) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks)
--	--	---

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric soil present? <u> N </u>
--	-----------------------------------

Remarks:

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where not tilled) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where tilled) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)	

Field Observations: Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X Depth (inches): _____ Water table present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X Depth (inches): _____ Saturation present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? <u> N </u>
--	---

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/03/13
 Applicant/Owner: Pennington County State: MN Sampling Point: T1-Wetland
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, non _____ Slope (%) _____
 Subregion (LRR _____) Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name _____ NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes _____ No X¹ (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? present? Yes

SUMMARY OF FINDINGS

(If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u> Hydric soil present? <u>Y</u> Indicators of wetland hydrology present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
--	---

Remarks: (Explain alternative procedures here or in a separate report.)

¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323855.99m Northing, 292821.19m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1 _____					Number of Dominant Species that are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across all Strata: <u>3</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>66.67%</u> (A/B)
2 _____					
3 _____					
4 _____					
5 _____					
		<u>0</u>	= Total Cover		Prevalence Index Worksheet Total % Cover of: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>61</u> x 2 = <u>122</u> FAC species <u>40</u> x 3 = <u>120</u> FACU species <u>50</u> x 4 = <u>200</u> UPL species <u>0</u> x 5 = <u>0</u> Column totals <u>151</u> (A) <u>442</u> (B) Prevalence Index = B/A = <u>2.93</u>
Sapling/Shrub stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species	Indicator Status	
1 <u>Salix interior</u>		<u>1</u>		FACW	
2 _____					
3 _____					
4 _____					
5 _____					
		<u>1</u>	= Total Cover		
Herb stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators: _____ Rapid test for hydrophytic vegetation <u>X</u> Dominance test is >50% <u>X</u> Prevalence index is ≤3.0* _____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) _____ Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
1 <u>Equisetum laevigatum</u>		<u>40</u>	Y	FACW	
2 <u>Andropogon gerardii</u>		<u>40</u>	Y	FAC	
3 <u>Sorghastrum nutans</u>		<u>30</u>	Y	FACU	
4 <u>Solidago gigantea</u>		<u>20</u>	N	FACW	
5 <u>Schizachyrium scoparium</u>		<u>20</u>	N	FACU	
6 _____					
7 _____					
8 _____					
9 _____					
10 _____					
		<u>150</u>	= Total Cover		
Woody vine stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic vegetation present? <u>Y</u>
1 _____					
2 _____					
		<u>0</u>	= Total Cover		

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: T1-Wetland

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR 2/1	100						Sandy Silt
8 +	2.5YR 6/2	80	2.5YR 6/8	20	C	PL		Silty Sand

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators: <input type="checkbox"/> Histisol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR F) <input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H) <input checked="" type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)	Indicators for Problematic Hydric Soils³: <input type="checkbox"/> 1 cm Muck (A9) (LRR I, J) <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) <input type="checkbox"/> Reduced Vertic (F18) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks)
---	--	---

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric soil present? <u>Y</u>
--	--------------------------------------

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where not tilled) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) (where tilled) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input checked="" type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)

Field Observations: Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water table present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? <u>Y</u>
--	--

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Soil was moist at 10" below surface grade

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/04/13
 Applicant/Owner: Pennington County State: MN Sampling Point: T2-Upland
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, non _____ Slope (%) _____
 Subregion (LRR) _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name _____ NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes _____ No X¹ (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

Hydrophytic vegetation present? <u>N</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>N</u>	
Indicators of wetland hydrology present? <u>N</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323740.42m Northing, 292983.89m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across all Strata: <u>2</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>50.00%</u> (A/B)
1					
2					
3					
4					
5					
		<u>0</u>	= Total Cover		Prevalence Index Worksheet Total % Cover of: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>20</u> x 2 = <u>40</u> FAC species <u>87</u> x 3 = <u>261</u> FACU species <u>60</u> x 4 = <u>240</u> UPL species <u>0</u> x 5 = <u>0</u> Column totals <u>167</u> (A) <u>541</u> (B) Prevalence Index = B/A = <u>3.24</u>
Sapling/Shrub stratum	(Plot size: <u>15</u>)				
1					
2					
3					
4					
5					
		<u>0</u>	= Total Cover		
Herb stratum	(Plot size: <u>5</u>)				
1	<u>Andropogon gerardii</u>	<u>80</u>	<u>Y</u>	<u>FAC</u>	
2	<u>Schizachyrium scoparium</u>	<u>60</u>	<u>Y</u>	<u>FACU</u>	
3	<u>Solidago gigantea</u>	<u>20</u>	<u>N</u>	<u>FACW</u>	
4	<u>Poa pratensis</u>	<u>7</u>	<u>N</u>	<u>FAC</u>	
5					
6					
7					
8					
9					
10					
		<u>167</u>	= Total Cover		
Woody vine stratum	(Plot size: _____)				
1					
2					
		<u>0</u>	= Total Cover		

Hydrophytic Vegetation Indicators:
 _____ Rapid test for hydrophytic vegetation
 _____ Dominance test is >50%
 _____ Prevalence index is ≤3.0*
 _____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
 _____ Problematic hydrophytic vegetation* (explain)
 *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic vegetation present? N

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: T2-Upland

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-11	10YR 2/1	100						Sandy Loam
11 +	2.5YR 5/3	80	10YR 5/8	20	C	M		Silty Sand

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histisol (A1)</p> <p><input type="checkbox"/> Histic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5) (LRR F)</p> <p><input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p> <p><input type="checkbox"/> High Plains Depressions (F16)</p> <p>(MLRA 72 & 73 of LRR H)</p>	<p>Indicators for Problematic Hydric Soils³:</p> <p><input type="checkbox"/> 1 cm Muck (A9) (LRR I, J)</p> <p><input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)</p> <p><input type="checkbox"/> Dark Surface (S7) (LRR K, L)</p> <p><input type="checkbox"/> High Plains Depressions (F16)</p> <p>(LRR H outside of MLRA 72 & 73)</p> <p><input type="checkbox"/> Reduced Vertic (F18)</p> <p><input type="checkbox"/> Red Parent Material (TF2)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (TF12)</p> <p><input type="checkbox"/> Other (explain in remarks)</p> <p>³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic</p>
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<p>Restrictive Layer (if present):</p> <p>Type: _____</p> <p>Depth (inches): _____</p>	<p>Hydric soil present? <u> N </u></p>
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Remarks:

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p><u>Primary Indicators (minimum of one is required; check all that apply)</u></p> <p><input type="checkbox"/> Surface Water (A1)</p> <p><input type="checkbox"/> High Water Table (A2)</p> <p><input type="checkbox"/> Saturation (A3)</p> <p><input type="checkbox"/> Water Marks (B1)</p> <p><input type="checkbox"/> Sediment Deposits (B2)</p> <p><input type="checkbox"/> Drift Deposits (B3)</p> <p><input type="checkbox"/> Algal Mat or Crust (B4)</p> <p><input type="checkbox"/> Iron Deposits (B5)</p> <p><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</p> <p><input type="checkbox"/> Water-Stained Leaves (B9)</p>	<p><u>Secondary Indicators (minimum of two required)</u></p> <p><input type="checkbox"/> Salt Crust (B11)</p> <p><input type="checkbox"/> Aquatic Invertebrates (B13)</p> <p><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</p> <p><input type="checkbox"/> Dry-Season Water Table (C2)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where not tilled)</p> <p><input type="checkbox"/> Presence of Reduced Iron (C4)</p> <p><input type="checkbox"/> Thin Muck Surface (C7)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>	<p><input type="checkbox"/> Surface Soil Cracks (B6)</p> <p><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)</p> <p><input type="checkbox"/> Drainage Patterns (B10)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) (where tilled)</p> <p><input type="checkbox"/> Crayfish Burrows (C8)</p> <p><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)</p> <p><input type="checkbox"/> Geomorphic Position (D2)</p> <p><input type="checkbox"/> FAC-Neutral Test (D5)</p> <p><input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)</p>
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<p>Field Observations:</p> <p>Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X Depth (inches): _____</p> <p>Water table present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X Depth (inches): _____</p> <p>Saturation present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X Depth (inches): _____</p> <p>(includes capillary fringe)</p>	<p>Wetland Hydrology Present? <u> N </u></p>
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Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/04/13
 Applicant/Owner: Pennington County State: MN Sampling Point: T2-Wetland
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, non _____ Slope (%) _____
 Subregion (LRR _____) Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name _____ WVI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes _____ No X¹ (If no, explain in remarks)

Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" _____

Are vegetation _____, soil _____, or hydrology _____ naturally problematic? present? Yes _____

SUMMARY OF FINDINGS

(If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u>
Hydric soil present? <u>Y</u>	
Indicators of wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323726.58m Northing, 292979.01m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across all Strata: <u>4</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>75.00%</u> (A/B)
1	_____	_____	_____	_____	
2	_____	_____	_____	_____	
3	_____	_____	_____	_____	
4	_____	_____	_____	_____	
5	_____	_____	_____	_____	
		<u>0</u>	= Total Cover		
Sapling/Shrub stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet Total % Cover of: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>31</u> x 2 = <u>62</u> FAC species <u>90</u> x 3 = <u>270</u> FACU species <u>50</u> x 4 = <u>200</u> UPL species <u>0</u> x 5 = <u>0</u> Column totals <u>171</u> (A) <u>532</u> (B) Prevalence Index = B/A = <u>3.11</u>
1	<u>Salix interior</u>	<u>5</u>	<u>Y</u>	<u>FACW</u>	
2	_____	_____	_____	_____	
3	_____	_____	_____	_____	
4	_____	_____	_____	_____	
5	_____	_____	_____	_____	
		<u>5</u>	= Total Cover		
Herb stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species	Indicator Status	
1	<u>Andropogon gerardii</u>	<u>50</u>	<u>Y</u>	<u>FAC</u>	
2	<u>Schizachyrium scoparium</u>	<u>50</u>	<u>Y</u>	<u>FACU</u>	
3	<u>Poa pratensis</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	
4	<u>Solidago gigantea</u>	<u>20</u>	<u>N</u>	<u>FACW</u>	
5	<u>Salix interior</u>	<u>5</u>	<u>N</u>	<u>FACW</u>	
6	<u>Phalaris arundinacea</u>	<u>1</u>	<u>N</u>	<u>FACW</u>	
7	_____	_____	_____	_____	
8	_____	_____	_____	_____	
9	_____	_____	_____	_____	
10	_____	_____	_____	_____	
		<u>166</u>	= Total Cover		
Woody vine stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	
1	_____	_____	_____	_____	
2	_____	_____	_____	_____	
		<u>0</u>	= Total Cover		

Hydrophytic Vegetation Indicators:
 _____ Rapid test for hydrophytic vegetation
X Dominance test is >50%
 _____ Prevalence index is ≤3.0*
 _____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
 _____ Problematic hydrophytic vegetation* (explain)
 *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic vegetation present? Y

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: T2-Wetland

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR 2/1	100						Silty Loam
8 +	2.5YR 7/2	90	2.5YR 6/8	30	C	M		Silty Sand

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:

- Histisol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR F)
- 1 cm Muck (A9) (LRR F, G, H)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 2.5 cm Mucky Peat or Peat (S2) (LRR H)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR I, J)
 - Coast Prairie Redox (A16) (LRR K, L, R)
 - Dark Surface (S7) (LRR K, L)
 - High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73)
 - Reduced Vertic (F18)
 - Red Parent Material (TF2)
 - Very Shallow Dark Surface (TF12)
 - Other (explain in remarks)
- ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric soil present? Y

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Dry-Season Water Table (C2)
- Oxidized Rhizospheres on Living Roots (where not tilled)
- Presence of Reduced Iron (C4)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Sparsely Vegetated Concave Surface (B8)
- Drainage Patterns (B10)
- Oxidized Rhizospheres on Living Roots (where tilled)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)
- Frost-Heave Hummocks (D7) (LRR F)

Field Observations:

Surface water present? Yes No Depth (inches): _____
 Water table present? Yes No Depth (inches): _____
 Saturation present? Yes No Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/04/13
 Applicant/Owner: Pennington County State: MN Sampling Point: E2
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, non _____ Slope (%) _____
 Subregion (LRR _____) Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name _____ NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes _____ No X¹ (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes _____
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u>
Hydric soil present? <u>Y</u>	
Indicators of wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
¹Antecedent precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323452.52m Northing, 292981.31m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1					Number of Dominant Species that are OBL, FACW, or FAC: <u>2</u> (A)	
2					Total Number of Dominant Species Across all Strata: <u>2</u> (B)	
3					Percent of Dominant Species that are OBL, FACW, or FAC: <u>100.00%</u> (A/B)	
4						
5						
		<u>0</u>	= Total Cover			
Sapling/Shrub stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet	
1	<u>Populus tremuloides</u>	<u>2</u>		<u>FAC</u>	Total % Cover of:	
2					OBL species <u>0</u> x 1 = <u>0</u>	
3					FACW species <u>56</u> x 2 = <u>112</u>	
4					FAC species <u>63</u> x 3 = <u>189</u>	
5					FACU species <u>50</u> x 4 = <u>200</u>	
		<u>2</u>	= Total Cover		UPL species <u>0</u> x 5 = <u>0</u>	
					Column totals <u>169</u> (A) <u>501</u> (B)	
					Prevalence Index = B/A = <u>2.96</u>	
Herb stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:	
1	<u>Andropogon gerardii</u>	<u>50</u>	<u>Y</u>	<u>FAC</u>	Rapid test for hydrophytic vegetation	
2	<u>Phalaris arundinacea</u>	<u>40</u>	<u>Y</u>	<u>FACW</u>	<u>X</u> Dominance test is >50%	
3	<u>Schizachyrium scoparium</u>	<u>30</u>	<u>N</u>	<u>FACU</u>	<u>X</u> Prevalence index is ≤3.0*	
4	<u>Vicia americana</u>	<u>20</u>	<u>N</u>	<u>FACU</u>	Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
5	<u>Solidago gigantea</u>	<u>15</u>	<u>N</u>	<u>FACW</u>	Problematic hydrophytic vegetation* (explain)	
6	<u>Poa pratensis</u>	<u>10</u>	<u>N</u>	<u>FAC</u>		
7	<u>Populus tremuloides</u>	<u>1</u>	<u>N</u>	<u>FAC</u>		
8	<u>Salix interior</u>	<u>1</u>	<u>N</u>	<u>FACW</u>		
9						
10						
		<u>167</u>	= Total Cover		*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
Woody vine stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic vegetation present? <u>Y</u>	
1						
2						
		<u>0</u>	= Total Cover			

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: E2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR 2/1	100						Silty Loam
8 +	2.5YR 7/2	70	2.5YR 5/6	30	C	M		Silt with Sand and Clay

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:

- Histisol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR F)
- 1 cm Muck (A9) (LRR F, G, H)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 2.5 cm Mucky Peat or Peat (S2) (LRR)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR I, J)
 - Coast Prairie Redox (A16) (LRR K, L, R)
 - Dark Surface (S7) (LRR K, L)
 - High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73)
 - Reduced Vertic (F18)
 - Red Parent Material (TF2)
 - Very Shallow Dark Surface (TF12)
 - Other (explain in remarks)
- ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric soil present? Y

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Dry-Season Water Table (C2)
- Oxidized Rhizospheres on Living Roots (where not tilled)
- Presence of Reduced Iron (C4)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Sparsely Vegetated Concave Surface (B8)
- Drainage Patterns (B10)
- Oxidized Rhizospheres on Living Roots (C3) (where tilled)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)
- Frost-Heave Hummocks (D7) (LRR F)

Field Observations:

Surface water present? Yes No Depth (inches): _____
 Water table present? Yes No Depth (inches): _____
 Saturation present? Yes No Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/03/13
 Applicant/Owner: Pennington County State: MN Sampling Point: A1
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): Local relief (concave, convex, non Slope (%)
 Subregion (LRR Lat: Long: Datum:
 Soil Map Unit Name NWI Classification:

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes No X¹ (If no, explain in remarks)
 Are vegetation, soil, or hydrology significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation, soil, or hydrology naturally problematic? present? Yes

SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Indicators of wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323197.16m Northing, 292647.71m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: 30)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1					
2					
3					
4					
5					
		0 = Total Cover			
Sapling/Shrub stratum	(Plot size: 15)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet
1					
2					
3					
4					
5					
		0 = Total Cover			
Herb stratum	(Plot size: 5)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation <input checked="" type="checkbox"/> Dominance test is >50% <input checked="" type="checkbox"/> Prevalence index is ≤3.0* Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
1	<i>Phalaris arundinacea</i>	80	Y	OBL	
2	<i>Bromus inermis</i>	20	N	FACU	
3	<i>Poa pratensis</i>	5	N	FAC	
4	<i>Solidago gigantea</i>	5	N	FACW	
5	<i>Mentha arvensis</i>	5	N	FACW	
6					
7					
8					
9					
10					
		115 = Total Cover			
Woody vine stratum	(Plot size:)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic vegetation present? <u>Y</u>
1					
2					
		0 = Total Cover			

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: A1

Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-11	10YR 2/1	100						Clay Silt
11 +	10YR 4/1	70	10YR 4/6	30	C	M		Clay Silt

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:

- Histisol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR F)
- 1 cm Muck (A9) (LRR F, G, H)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 2.5 cm Mucky Peat or Peat (S2) (LRR
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- High Plains Depressions (F16)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR I, J)
- Coast Prairie Redox (A16) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- High Plains Depressions (F16)
- (LRR H outside of MLRA 72 & 73)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (explain in remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric soil present? Y

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required, check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Dry-Season Water Table (C2)
- Oxidized Rhizospheres on Living Roots (where not tilled)
- Presence of Reduced Iron (C4)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Sparsely Vegetated Concave Surface (B8)
- Drainage Patterns (B10)
- Oxidized Rhizospheres on Living Roots (C3) (where tilled)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)
- Frost-Heave Hummocks (D7) (LRR F)

Field Observations:

Surface water present? Yes No X Depth (inches): _____
 Water table present? Yes No X Depth (inches): _____
 Saturation present? Yes No X Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/03/13
 Applicant/Owner: Pennington County State: MN Sampling Point: B1
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, non _____ Slope (%) _____
 Subregion (LRR _____) Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name _____ NWI Classification: _____
 Are climatic/hydrologic conditions of the site typical for this time of the year? Yes _____ No X¹ (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? present? Yes
SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Indicators of wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323503.41m Northing, 292517.58m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species	Indicator Status	
1					
2					
3					
4					
5					
		0	= Total Cover		
Sapling/Shrub stratum	(Plot size: <u>15</u>)				
1					
2					
3					
4					
5					
		0	= Total Cover		
Herb stratum	(Plot size: <u>5</u>)				
1	<i>Phalaris arundinacea</i>	97	Y	FACW	
2	<i>Cicuta maculata</i>	40	Y	OBL	
3	<i>Cyperus bipartitus</i>	5	N	OBL	
4					
5					
6					
7					
8					
9					
10					
		142	= Total Cover		
Woody vine stratum	(Plot size: _____)				
1					
2					
		0	= Total Cover		

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
 Total Number of Dominant Species Across all Strata: 2 (B)
 Percent of Dominant Species that are OBL, FACW, or FAC: 100.00% (A/B)

Prevalence Index Worksheet

Total % Cover of:

OBL species	45	x 1 =	45
FACW species	97	x 2 =	194
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column totals	142	(A)	239 (B)

Prevalence Index = B/A = 1.68

Hydrophytic Vegetation Indicators:

 Rapid test for hydrophytic vegetation
X Dominance test is >50%
X Prevalence index is ≤3.0*
 Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
 Problematic hydrophytic vegetation* (explain)
*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic vegetation present?

Y

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: B1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	10YR 2/1	100						Muck
3-11	10YR 2/1	100						Sandy Muck
11 +	10YR 3/1	80	10YR 4/4	10	C	PL		Silty Sand
			10YR 4/1	10	D	M		

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:

- Histisol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR F)
- 1 cm Muck (A9) (LRR F, G, H)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 2.5 cm Mucky Peat or Peat (S2) (LRR
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR I, J)
- Coast Prairie Redox (A16) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (explain in remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric soil present? Y

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)
- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Dry-Season Water Table (C2)
- Oxidized Rhizospheres on Living Roots (where not tilled)
- Presence of Reduced Iron (C4)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Sparsely Vegetated Concave Surface (B8)
- Drainage Patterns (B10)
- Oxidized Rhizospheres on Living Roots (C3) (where tilled)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)
- Frost-Heave Hummocks (D7) (LRR F)

Field Observations:

Surface water present? Yes No Depth (inches): _____
 Water table present? Yes No Depth (inches): 19"*
 Saturation present? Yes No Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

* Water Table measured at 19" bsg after 10 minutes in an open bore hole

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/02/13
 Applicant/Owner: Pennington County State: MN Sampling Point: C1
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): Local relief (concave, convex, non Slope (%)
 Subregion (LRR Lat: Long: Datum:
 Soil Map Unit Name NWI Classification:

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes No X¹ (If no, explain in remarks)
 Are vegetation, soil, or hydrology significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation, soil, or hydrology naturally problematic? present? Yes

SUMMARY OF FINDINGS

(If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u> Hydric soil present? <u>Y</u> Indicators of wetland hydrology present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID:
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Remarks: (Explain alternative procedures here or in a separate report.)

¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323579.02m Northing, 292918.85m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: 30)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1	<i>Salix interior</i>	20	Y	FACW	Number of Dominant Species that are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across all Strata: <u>5</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>100.00%</u> (A/B)
2					
3					
4					
5					
		20	= Total Cover		Prevalence Index Worksheet Total % Cover of: OBL species <u>100</u> x 1 = <u>100</u> FACW species <u>170</u> x 2 = <u>340</u> FAC species <u>70</u> x 3 = <u>210</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>0</u> x 5 = <u>0</u> Column totals <u>340</u> (A) <u>650</u> (B) Prevalence Index = B/A = <u>1.91</u>
Sapling/Shrub stratum (Plot size: 15)					
1	<i>Salix interior</i>	70	Y	FACW	
2					
3					
		70	= Total Cover		
Herb stratum (Plot size: 5)					Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation <input checked="" type="checkbox"/> Dominance test is >50% <input checked="" type="checkbox"/> Prevalence index is ≤3.0* Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
1	<i>Sphagnum magellanicum</i>	100	Y	OBL	
2	<i>Poa pratensis</i>	70	Y	FAC	
3	<i>Phalaris arundinacea</i>	60	Y	FACW	
4	<i>Salix interior</i>	20	N	FACW	
5					
6					
7					
8					
9					
		250	= Total Cover		
Woody vine stratum (Plot size:)					Hydrophytic vegetation present? <u>Y</u>
1					
2					
		0	= Total Cover		

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: C1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-9	10YR 2/1	100						Silt with Clay and Sand
9 +	10YR 4/1	93	10YR 7/1	7	D	M		Sandy Loam

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histisol (A1)</p> <p><input type="checkbox"/> Histic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5) (LRR F)</p> <p><input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H)</p> <p><input checked="" type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p> <p><input type="checkbox"/> High Plains Depressions (F16)</p> <p>(MLRA 72 & 73 of LRR H)</p>	<p>Indicators for Problematic Hydric Soils³:</p> <p><input type="checkbox"/> 1 cm Muck (A9) (LRR I, J)</p> <p><input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)</p> <p><input type="checkbox"/> Dark Surface (S7) (LRR K, L)</p> <p><input type="checkbox"/> High Plains Depressions (F16)</p> <p>(LRR H outside of MLRA 72 & 73)</p> <p><input type="checkbox"/> Reduced Vertic (F18)</p> <p><input type="checkbox"/> Red Parent Material (TF2)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (TF12)</p> <p><input type="checkbox"/> Other (explain in remarks)</p> <p>³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic</p>
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<p>Restrictive Layer (if present):</p> <p>Type: _____</p> <p>Depth (inches): _____</p>	<p>Hydric soil present? <u> Y </u></p>
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Remarks:

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p><u>Primary Indicators (minimum of one is required; check all that apply)</u></p> <p><input type="checkbox"/> Surface Water (A1)</p> <p><input type="checkbox"/> High Water Table (A2)</p> <p><input type="checkbox"/> Saturation (A3)</p> <p><input type="checkbox"/> Water Marks (B1)</p> <p><input type="checkbox"/> Sediment Deposits (B2)</p> <p><input type="checkbox"/> Drift Deposits (B3)</p> <p><input type="checkbox"/> Algal Mat or Crust (B4)</p> <p><input type="checkbox"/> Iron Deposits (B5)</p> <p><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves (B9)</p>		<p><u>Secondary Indicators (minimum of two required)</u></p> <p><input type="checkbox"/> Salt Crust (B11)</p> <p><input type="checkbox"/> Aquatic Invertebrates (B13)</p> <p><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</p> <p><input type="checkbox"/> Dry-Season Water Table (C2)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where not tilled)</p> <p><input type="checkbox"/> Presence of Reduced Iron (C4)</p> <p><input type="checkbox"/> Thin Muck Surface (C7)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>	<p><input type="checkbox"/> Surface Soil Cracks (B6)</p> <p><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)</p> <p><input type="checkbox"/> Drainage Patterns (B10)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where tilled)</p> <p><input type="checkbox"/> Crayfish Burrows (C8)</p> <p><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)</p> <p><input checked="" type="checkbox"/> Geomorphic Position (D2)</p> <p><input type="checkbox"/> FAC-Neutral Test (D5)</p> <p><input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)</p>
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<p>Field Observations:</p> <p>Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Water table present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Saturation present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>(includes capillary fringe)</p>	<p>Wetland Hydrology Present? <u> Y </u></p>
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Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/02/13
 Applicant/Owner: Pennington County State: MN Sampling Point: D1
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): Local relief (concave, convex, non Slope (%)
 Subregion (LRR Lat: Long: Datum:
 Soil Map Unit Name NWI Classification:

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes No X¹ (If no, explain in remarks)
 Are vegetation, soil, or hydrology significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation, soil, or hydrology naturally problematic? present? Yes

SUMMARY OF FINDINGS

(If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Indicators of wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)

¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323322.94m Northing, 293011.65m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1 <i>Populus tremuloides</i>	70	Y	FAC	
2 <i>Fraxinus pennsylvanica</i>	30	Y	FACW	Total Number of Dominant Species Across all Strata: <u>9</u> (B)
3 <i>Quercus macrocarpa</i>	25	Y	FAC	Percent of Dominant Species that are OBL, FACW, or FAC: <u>88.89%</u> (A/B)
4				
5				
	125 = Total Cover			
Sapling/Shrub stratum (Plot size: 15)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet
1 <i>Fraxinus pennsylvanica</i>	50	Y	FACW	
2 <i>Quercus macrocarpa</i>	50	Y	FAC	OBL species <u>45</u> x 1 = <u>45</u>
3 <i>Populus tremuloides</i>	25	Y	FAC	FACW species <u>80</u> x 2 = <u>160</u>
4				FAC species <u>220</u> x 3 = <u>660</u>
5				FACU species <u>25</u> x 4 = <u>100</u>
	125 = Total Cover			UPL species <u>0</u> x 5 = <u>0</u>
				Column totals <u>370</u> (A) <u>965</u> (B)
				Prevalence Index = B/A = <u>2.61</u>
Herb stratum (Plot size: 5)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:
1 <i>Phalaris arundinacea</i>	40	Y	OBL	
2 <i>Populus tremuloides</i>	30	Y	FAC	<u>X</u> Dominance test is >50%
3 <i>Rosa arkansana</i>	25	Y	FACU	<u>X</u> Prevalence index is ≤3.0*
4 <i>Quercus macrocarpa</i>	20	N	FAC	Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
5 <i>Sphagnum magellanicum</i>	5	N	OBL	Problematic hydrophytic vegetation* (explain)
6				
7				
8				
9				
10				
	120 = Total Cover			
Woody vine stratum (Plot size:)	Absolute % Cover	Dominant Species	Indicator Status	*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
1				Hydrophytic vegetation present? <u>Y</u>
2				
	0 = Total Cover			

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: D1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-11	10YR 2/1	100						Silty Loam
11 +	10YR 6/2	70	10YR 5/8	30	C	M		Silty Sand

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators: <input type="checkbox"/> Histisol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR F) <input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H) <input checked="" type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)	Indicators for Problematic Hydric Soils³: <input type="checkbox"/> 1 cm Muck (A9) (LRR I, J) <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) <input type="checkbox"/> Reduced Vertic (F18) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks)
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³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric soil present? <u> Y </u>
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Remarks: _____

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where not tilled) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where tilled) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input checked="" type="checkbox"/> Geomorphic Position (D2) <input checked="" type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)
---	---	--

Field Observations: Surface water present? Yes _____ No <u> X </u> Depth (inches): _____ Water table present? Yes _____ No <u> X </u> Depth (inches): _____ Saturation present? Yes _____ No <u> X </u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? <u> Y </u>
---	--

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available: _____

Remarks: _____

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/02/13
 Applicant/Owner: Pennington County State: MN Sampling Point: E1
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, non _____ Slope (%) _____
 Subregion (LRR _____) Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name _____ NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes _____ No X¹ (If no, explain in remarks)

Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes

Are vegetation _____, soil _____, or hydrology _____ naturally problematic? present? Yes
 (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Indicators of wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)

¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323588.65m Northing, 292992.88m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1					
2					Total Number of Dominant Species Across all Strata: <u>2</u> (B)
3					Percent of Dominant Species that are OBL, FACW, or FAC: <u>100.00%</u> (A/B)
4					
5					
		<u>0</u>	= Total Cover		
Sapling/Shrub stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet
1	<u>Salix interior</u>	<u>10</u>	<u>Y</u>	<u>FACW</u>	
2					OBL species <u>95</u> x 1 = <u>95</u>
3					FACW species <u>30</u> x 2 = <u>60</u>
4					FAC species <u>20</u> x 3 = <u>60</u>
5					FACU species <u>20</u> x 4 = <u>80</u>
		<u>10</u>	= Total Cover		UPL species <u>0</u> x 5 = <u>0</u>
					Column totals <u>165</u> (A) <u>295</u> (B)
					Prevalence Index = B/A = <u>1.79</u>
Herb stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:
1	<u>Carex stricta</u>	<u>95</u>	<u>Y</u>	<u>OBL</u>	
2	<u>Andropogon gerardii</u>	<u>20</u>	<u>N</u>	<u>FAC</u>	<u>X</u> Dominance test is >50%
3	<u>Salix interior</u>	<u>10</u>	<u>N</u>	<u>FACW</u>	<u>X</u> Prevalence index is ≤3.0*
4	<u>Solidago gigantea</u>	<u>10</u>	<u>N</u>	<u>FACW</u>	_____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
5	<u>Schizachyrium scoparium</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	_____ Problematic hydrophytic vegetation* (explain)
6	<u>Rosa blanda</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	
7					
8					
9					
10					
		<u>155</u>	= Total Cover		
Woody vine stratum	(Plot size: _____)	Absolute % Cover	Dominant Species	Indicator Status	
1					
2					
		<u>0</u>	= Total Cover		

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: E1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	10YR 2/1	85	10YR 6/2	14	D		Sandy Silt	
			10YR 6/8	1	C			
11 +	10YR 7/2	80	10YR 7/8	10	C		Sandy Silt	

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:

- Histisol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR F)
- 1 cm Muck (A9) (LRR F, G, H)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 2.5 cm Mucky Peat or Peat (S2) (LRR)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR I, J)
 - Coast Prairie Redox (A16) (LRR K, L, R)
 - Dark Surface (S7) (LRR K, L)
 - High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73)
 - Reduced Vertic (F18)
 - Red Parent Material (TF2)
 - Very Shallow Dark Surface (TF12)
 - Other (explain in remarks)
- ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric soil present? Y

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)
- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Dry-Season Water Table (C2)
- Oxidized Rhizospheres on Living Roots (where not tilled)
- Presence of Reduced Iron (C4)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Sparsely Vegetated Concave Surface (B8)
- Drainage Patterns (B10)
- Oxidized Rhizospheres on Living Roots (where tilled)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)
- Frost-Heave Hummocks (D7) (LRR F)

Field Observations:

Surface water present? Yes No _____ Depth (inches): _____
 Water table present? Yes No _____ Depth (inches): _____
 Saturation present? Yes No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site 9815 - Pennington County Wetland Bank City/County: Pennington Sampling Date: 10/02/13
 Applicant/Owner: Pennington County State: MN Sampling Point: F1
 Investigator(s): Christopher T. Lesmeister Section, Township, Range: T153 N, R40 W, S34
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, non Concave Slope (%) _____
 Subregion (LRR _____) Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name _____ NWI Classification: _____

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes _____ No X¹ (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: _____
Hydric soil present? <u>Y</u>	
Indicators of wetland hydrology present? <u>Y</u>	

Remarks: (Explain alternative procedures here or in a separate report.)
¹Antecedant precipitation analysis indicates that the site location was dryer than normal
 UTM NAD 83 Zone 15N - 5323857.96m Northing, 292531.70m Easting

VEGETATION -- Use scientific names of plants.

Tree Stratum	Plot size: <u>30</u>	Absolute % Cover	Dominant Species	Indicator Status	
1					
2					
3					
4					
5					
		<u>0</u>	= Total Cover		
Sapling/Shrub stratum	Plot size: <u>15</u>				
1					
2					
3					
4					
5					
		<u>0</u>	= Total Cover		
Herb stratum	Plot size: <u>5</u>				
1		<u>95</u>	<u>Y</u>	<u>FACW</u>	
2		<u>70</u>	<u>Y</u>	<u>OBL</u>	
3					
4					
5					
6					
7					
8					
9					
10					
		<u>165</u>	= Total Cover		
Woody vine stratum	Plot size: _____				
1					
2					
		<u>0</u>	= Total Cover		

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
 Total Number of Dominant Species Across all Strata: 2 (B)
 Percent of Dominant Species that are OBL, FACW, or FAC: 100.00% (A/B)

Prevalence Index Worksheet

Total % Cover of:

OBL species	<u>70</u>	x 1 =	<u>70</u>
FACW species	<u>95</u>	x 2 =	<u>190</u>
FAC species	<u>0</u>	x 3 =	<u>0</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column totals	<u>165</u> (A)		<u>260</u> (B)

Prevalence Index = B/A = 1.58

Hydrophytic Vegetation Indicators:

_____ Rapid test for hydrophytic vegetation
 Dominance test is >50%
 Prevalence index is ≤3.0*
 _____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
 _____ Problematic hydrophytic vegetation* (explain)

*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic vegetation present?

Y

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: F1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-12	10YR 2/1	100						Mucky Peat
12 +	10YR 4/1	90	10YR 6/1	5	D	M		Very fine sand with silt and some clay
			5YR 3/4	5	C	M		

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matrix

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histisol (A1)	<input type="checkbox"/> 1 cm Muck (A9) (LRR I, J)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)
<input checked="" type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Dark Surface (S7) (LRR K, L)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> High Plains Depressions (F16)
<input type="checkbox"/> Stratified Layers (A5) (LRR F)	<input type="checkbox"/> (LRR H outside of MLRA 72 & 73)
<input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H)	<input type="checkbox"/> Reduced Vertic (F18)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Other (explain in remarks)
<input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR	<input type="checkbox"/> ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric soil present? <u>Y</u>
Remarks: _____	

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) (where tilled)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (where not tilled)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)
<input type="checkbox"/> Salt Crust (B11)	
<input checked="" type="checkbox"/> Aquatic Invertebrates (B13)	
<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations: Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water table present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>11</u> Saturation present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>2</u> (includes capillary fringe)	Wetland Hydrology Present? <u>Y</u>
---	-------------------------------------

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: _____

APPENDIX C

Antecedent Precipitation

Minnesota Climatology Working Group

State Climatology Office - DNR Division of Ecological and Water Resources [University of Minnesota](#)

[home](#) | [current conditions](#) | [journal](#) | [past data](#) | [summaries](#) | [agriculture](#) | [other sites](#) | [contact us](#) | [search](#) | 

Precipitation Worksheet Using Gridded Database

Precipitation data for target wetland location:

county: **Pennington** township number: **153N**
 township name: **Highlanding** range number: **40W**
 nearest community: **River Valley** section number: **34**

Aerial photograph or site visit date:

Wednesday, October 02, 2013

Score using 1971-2000 normal period

(values are in inches)	first prior month: September 2013	second prior month: August 2013	third prior month: July 2013
estimated precipitation total for this location:	0.00	0.00	3.85
there is a 30% chance this location will have less than: *	1.49	2.34	2.53
there is a 30% chance this location will have more than: *	3.24	4.32	4.21
type of month: dry normal wet	dry	dry	normal
monthly score	3 * 1 = 3	2 * 1 = 2	1 * 2 = 2
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)		7 (Dry)	

Score using 1981-2010 normal period

(values are in inches)	first prior month: September 2013	second prior month: August 2013	third prior month: July 2013
estimated precipitation total for this location:	0.00	0.00	3.85
there is a 30% chance this location will have less than: *	1.79	2.25	2.18
there is a 30% chance this location will have more than: *	3.34	4.02	3.88
type of month: dry normal wet	dry	dry	normal
monthly score	3 * 1 = 3	2 * 1 = 2	1 * 2 = 2
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)		7 (Dry)	

[view USDA-NRCS WETS data for Pennington County](#)

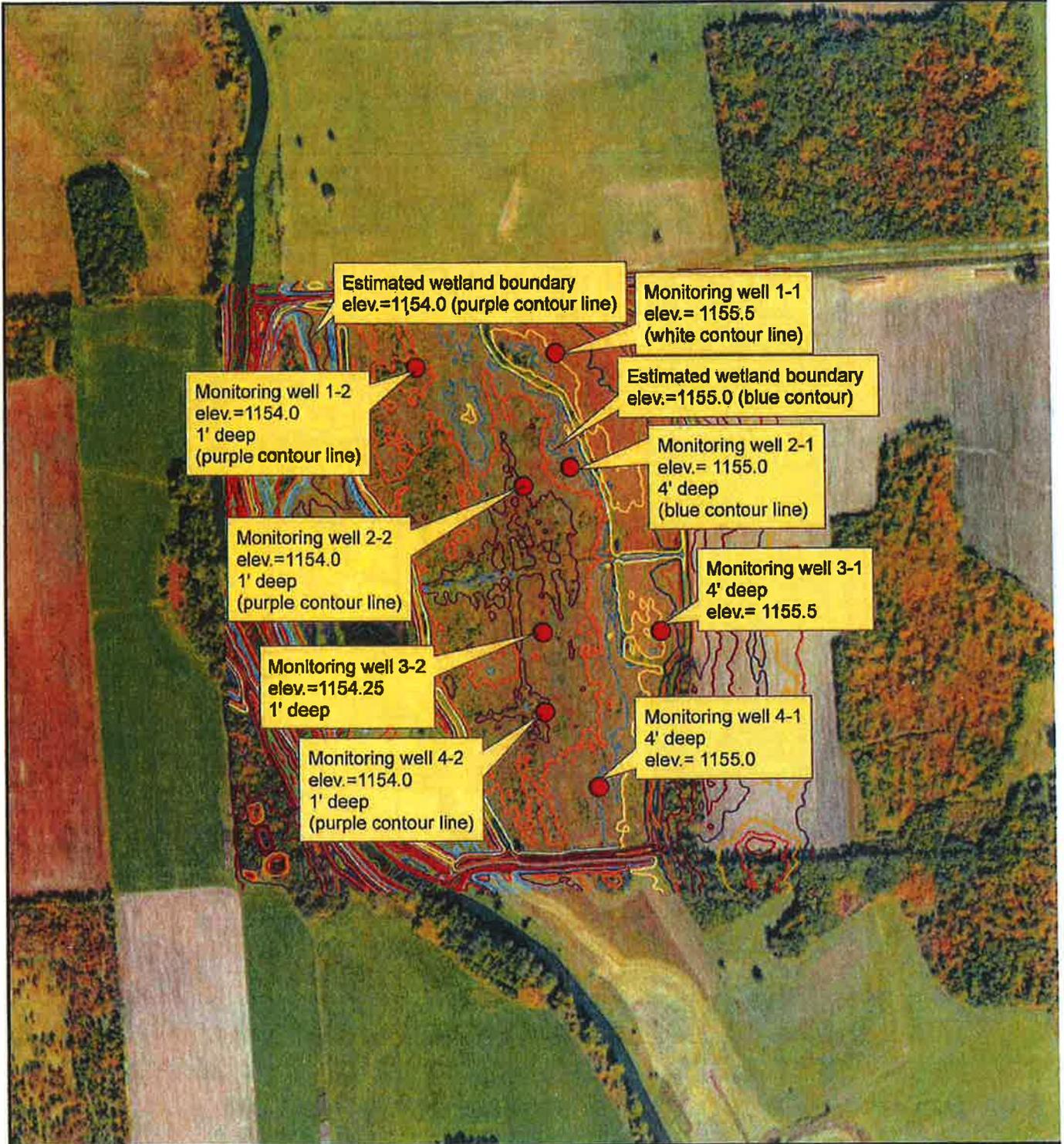
Other Resources:

- retrieve daily precipitation data
- view radar-based precipitation estimates
- view weekly precipitation maps
- *Hydrology Tools for Wetland Determination*, USDA-NRCS

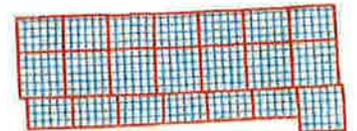
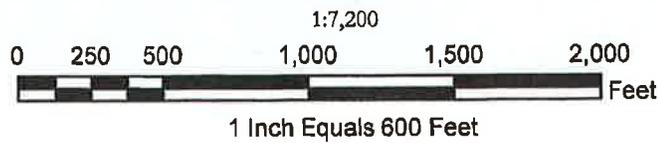
* from USDA-NRCS two-parameter gamma distribution fit

APPENDIX D

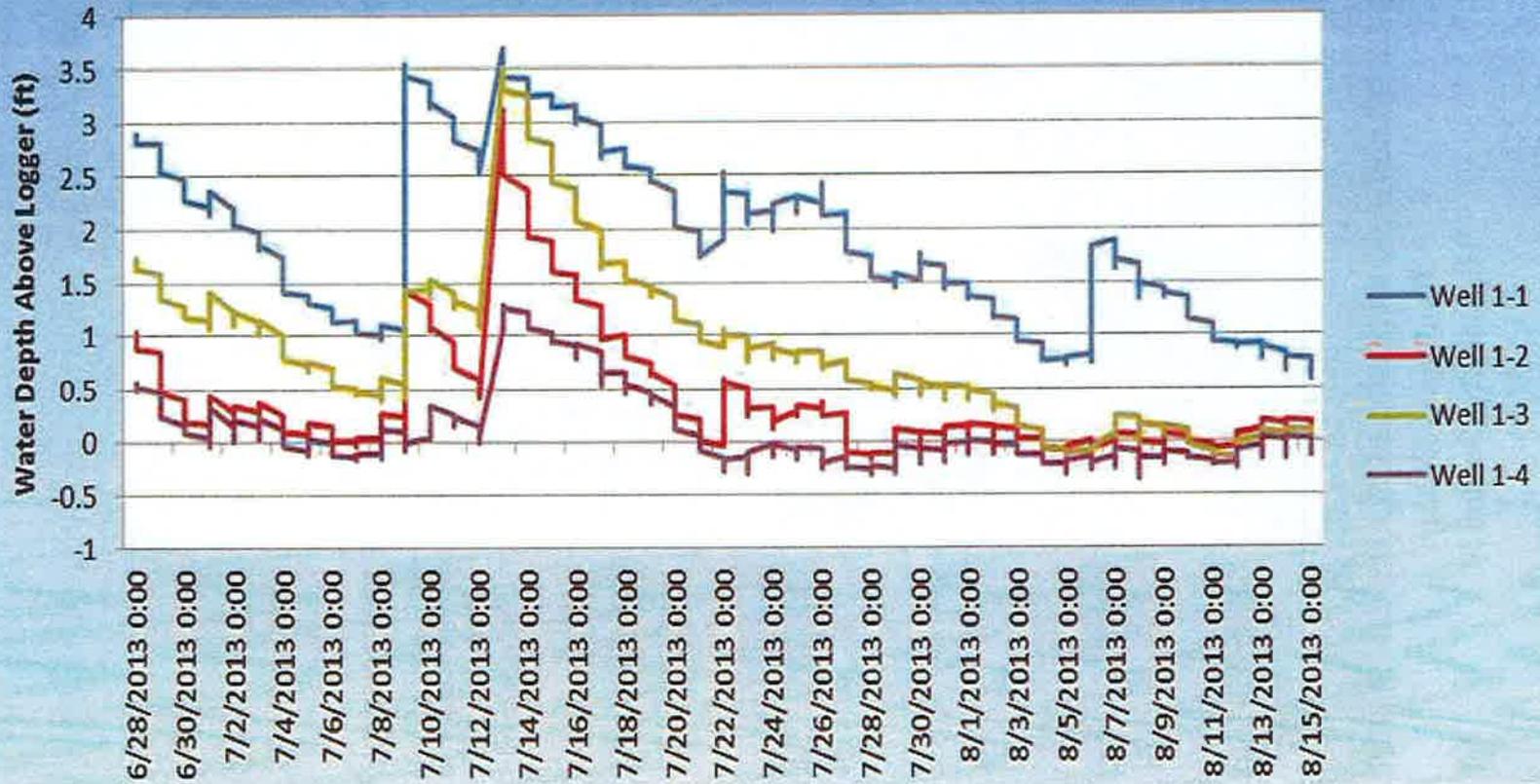
Groundwater Monitoring Data from Pennington County NRCS



Pennington County Highlanding Section 34



County Wetland Bank Ground Water Levels



APPENDIX E

Photographs



Photo 1: Type 6 Wetland sample location



Photo 2: Site looking northeast



Photo 3: Site looking southeast

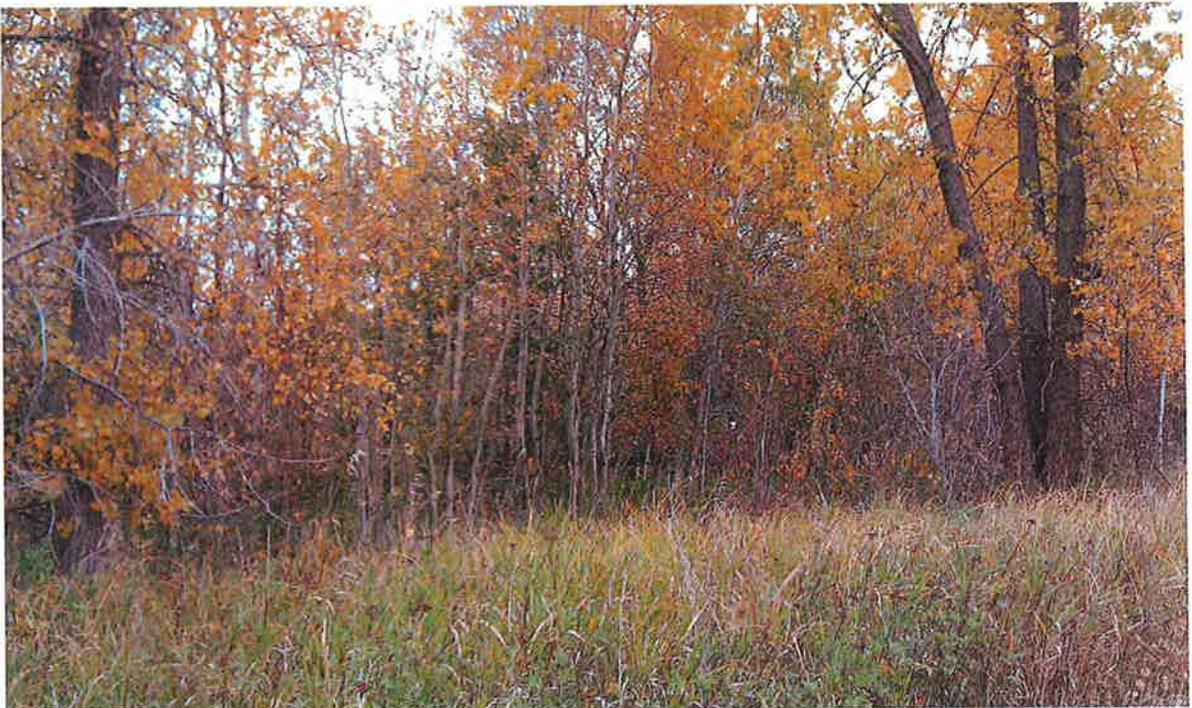


Photo 4: Type 7 Wetland



Photo 5: Site looking west



Photo 6: Site looking northwest



Photo 7: Site looking west



Photo 8: Soil profile for sample location E1

Minnesota Wetland Conservation Act
Application for Approval of Wetland Type and Boundary

1. Project/Site Information

Project/Site Name: Pennington County Wetland Bank Local Government Unit: Pennington County

Location (address and/or T, R, Sec.): T153N R40N Section 34 NW1/4

2. Applicant Information

Applicant Name: Pennington County Address: P.O. Box 616

City, State, Zip: Thief River Falls, MN 56701

E-mail: ktolson@co.pennington.mn.us Phone: 218-683-7000

3. Agent/Consultant Information

Company Name (if applicable): West Central Environmental Consultants, Inc.

Contact Person: Christopher Lesmeister

Address: P.O. Box 594 City, State, Zip: Morris, MN 56267

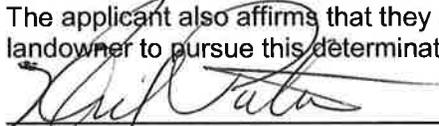
E-mail: chrisl@wcec.com Phone: 320-589-2039

4. Description of Request

Check all that apply: ✓ Wetland Boundary (must attach wetland delineation report)
 ✓ Wetland Type (Eggers & Reed and/or Circular 39 type)

5. Signature

By signature below, the applicant requests a determination from the Local Government Unit under Minnesota Rules 8420.0225 on the submitted wetland boundary and type information in this application. The applicant also affirms that they are the owner of the subject property or have permission from the landowner to pursue this determination.



Applicant or Authorized Agent Signature

1/7/14

Date

Important Notes:

- The applicant may be required to submit multiple copies of the report/information to the LGU. The LGU may require the applicant to submit copies directly to Technical Evaluation Panel Members. **Check with your LGU regarding their submittal requirements.**
- The LGU decision must be made in compliance with Minnesota Statutes, section 15.99.

For LGU use only

Date Received:

Minnesota Wetland Conservation Act

Notice of Decision

Local Government Unit (LGU) Pennington County	Address P.O. Box 616 Thief River Falls, MN 56701
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1. PROJECT INFORMATION

Applicant Name Pennington County	Project Name Wetland Bank Site	Date of Application 1/7/14	Application Number 14-01
--	--	--------------------------------------	------------------------------------

Attach site locator map.

Type of Decision:

<input checked="" type="checkbox"/> Wetland Boundary or Type	<input type="checkbox"/> No-Loss	<input type="checkbox"/> Exemption	<input type="checkbox"/> Sequencing
<input type="checkbox"/> Replacement Plan	<input type="checkbox"/> Banking Plan		

Technical Evaluation Panel Findings and Recommendation (if any):

Approve
 Approve with conditions
 Deny

Summary (or attach): Pennington County owns 109.17 acres in Section 34 of Highlanding Township. It is in the floodplain of the Red Lake River. They have restored wetlands with a goal to establish a wetland bank on this property. A delineation was completed on October 2-4, 2013 by West Central Environmental Consultants, Inc. After approval of the delineation, a deposit will be made into a wetland bank account with BWSR.

2. LOCAL GOVERNMENT UNIT DECISION

Date of Decision: **2/11/14**

Approved
 Approved with conditions (include below)
 Denied

LGU Findings and Conclusions (attach additional sheets as necessary):

The TEP met Chris Lesmeister of West Central Environmental Consultants, Inc. on site during the delineation to review the area and delineated wetland boundaries. The delineation documents have been reviewed and determined that the boundaries and documentation were accurate.

For Replacement Plans using credits from the State Wetland Bank:

Bank Account #	Bank Service Area	County	Credits Approved for Withdrawal (sq. ft. or nearest .01 acre)
----------------	-------------------	--------	---

Replacement Plan Approval Conditions. In addition to any conditions specified by the LGU, the approval of a Wetland Replacement Plan is conditional upon the following:

- Financial Assurance:** For project-specific replacement that is not in-advance, a financial assurance specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp. 9 (List amount and type in LGU Findings).
- Deed Recording:** For project-specific replacement, evidence must be provided to the LGU that the BWSR “Declaration of Restrictions and Covenants” and “Consent to Replacement Wetland” forms have been filed with the county recorder’s office in which the replacement wetland is located.
- Credit Withdrawal:** For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.		
Name Neil Peterson	Title Pennington County Board Chair	
Signature	Date 2/11/14	Phone Number and E-mail 218-681-7000 ktolson@co.pennington.mn.us

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

3. APPEAL OF THIS DECISION

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

Check one:

<input type="checkbox"/> Appeal of an LGU staff decision. Send petition and \$_____ fee (if applicable) to:	<input checked="" type="checkbox"/> Appeal of LGU governing body decision. Send petition and \$500 filing fee to: Executive Director Minnesota Board of Water and Soil Resources 520 Lafayette Road North St. Paul, MN 55155
---	--

4. LIST OF ADDRESSEES

<input checked="" type="checkbox"/> SWCD TEP member: Bryan Malone <input checked="" type="checkbox"/> BWSR TEP member: Steve Hofstad <input checked="" type="checkbox"/> LGU TEP member (if different than LGU Contact): Mike Flaagan <input checked="" type="checkbox"/> DNR TEP member: Stephanie Klamm <input checked="" type="checkbox"/> DNR Regional Office: Nathan Kestner <input checked="" type="checkbox"/> WD or WMO (if applicable): Myron Jesme <input type="checkbox"/> Applicant and Landowner: <input type="checkbox"/> Members of the public who requested notice: <input checked="" type="checkbox"/> Corps of Engineers Project Manager: Larry Puchalski <input type="checkbox"/> BWSR Wetland Bank Coordinator (wetland bank plan decisions only)

5. MAILING INFORMATION

➤ For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA_areas.pdf

➤ For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf

➤ Department of Natural Resources Regional Offices:

<u>NW Region:</u> Reg. Env. Assess. Ecol. Div. Ecol. Resources 2115 Birchmont Beach Rd. NE Bemidji, MN 56601	<u>NE Region:</u> Reg. Env. Assess. Ecol. Div. Ecol. Resources 1201 E. Hwy. 2 Grand Rapids, MN 55744	<u>Central Region:</u> Reg. Env. Assess. Ecol. Div. Ecol. Resources 1200 Warner Road St. Paul, MN 55106	<u>Southern Region:</u> Reg. Env. Assess. Ecol. Div. Ecol. Resources 261 Hwy. 15 South New Ulm, MN 56073
---	--	---	--

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

➤ For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687
 or send to:

US Army Corps of Engineers
 St. Paul District, ATTN: OP-R
 180 Fifth St. East, Suite 700
 St. Paul, MN 55101-1678

➤ For Wetland Bank Plan applications, also send a copy of the application to:

Minnesota Board of Water and Soil Resources
 Wetland Bank Coordinator
 520 Lafayette Road North
 St. Paul, MN 55155

6. ATTACHMENTS

In addition to the site locator map, list any other attachments: <input checked="" type="checkbox"/> site plan <input checked="" type="checkbox"/> application <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
--

Minnesota Wetland Conservation Act

Notice of Application

Local Government Unit (LGU) Pennington County	Address P. O. Box 616 Thief River Falls, MN 56701
---	---

1. PROJECT INFORMATION

Applicant Name Pennington County	Project Name Wetland Banking Site	Date of Application January 7, 2014	Application Number 14-01
--	---	---	------------------------------------

Type of Application (check all that apply):

<input checked="" type="checkbox"/> Wetland Boundary or Type	<input type="checkbox"/> No-Loss	<input type="checkbox"/> Exemption	<input type="checkbox"/> Sequencing
<input type="checkbox"/> Replacement Plan	<input type="checkbox"/> Banking Plan		

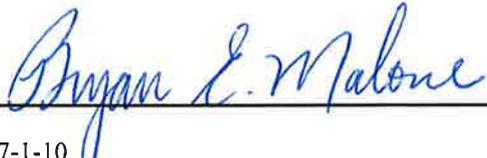
Summary and description of proposed project (attach additional sheets as necessary):

Pennington County owns 109.17 acres in Section 34 of Highland Township. It is in the floodplain of the Red Lake River. They have restored wetlands with a goal to establish a wetland bank on this property. A delineation was completed on October 2-4, 2013 by West Central Environmental Consultants, Inc. After approval of the delineation, a deposit will be made into a wetland bank account with BWSR.
--

2. APPLICATION REVIEW AND DECISION

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 3 provides notice that an application was made to the LGU under the Wetland Conservation Act as specified above. A copy of the application is attached. Comments can be submitted to:

Name and Title of LGU Contact Person Bryan Malone District Manager	Comments must be received by (minimum 15 business-day comment period): February 7, 2014
Address (if different than LGU) Pennington SWCD 201 Sherwood Ave S Thief River Falls, MN 56701	Date, time, and location of decision: February 11, 2014 10:00 pm Pennington County Courthouse
Phone Number and E-mail Address 218-683-7075 bryan.malone@mn.nacdnet.net	Decision-maker for this application: <input type="checkbox"/> Staff <input checked="" type="checkbox"/> Governing Board or Council

Signature:  Date: 1/8/14

3. LIST OF ADDRESSEES

- SWCD TEP member: **Bryan Malone**
- BWSR TEP member: **Steve Hofstad**
- LGU TEP member (if different than LGU Contact): **Mike Flaagan**
- DNR TEP member: **Area Hydrologist**
- DNR Regional Office (if different than DNR TEP member)
- WD or WMO (if applicable): **Red Lake Watershed District**
- Applicant (notice only) and Landowner (if different)
- Members of the public who requested notice (notice only):

- Corps of Engineers Project Manager (notice only)
- BWSR Wetland Bank Coordinator (wetland bank plan applications only)

4. MAILING INFORMATION

- For a list of BWSR TEP representatives: www.bwsr.state.mn.us/contact/WCA_areas.pdf
- For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf
- Department of Natural Resources Regional Offices:

NW Region: Reg. Env. Assess. Ecol. Div. Ecol. Resources 2115 Birchmont Beach Rd. NE Bemidji, MN 56601	NE Region: Reg. Env. Assess. Ecol. Div. Ecol. Resources 1201 E. Hwy. 2 Grand Rapids, MN 55744	Central Region: Reg. Env. Assess. Ecol. Div. Ecol. Resources 1200 Warner Road St. Paul, MN 55106	Southern Region: Reg. Env. Assess. Ecol. Div. Ecol. Resources 261 Hwy. 15 South New Ulm, MN 56073
--	--	---	--

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

- For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687
or send to:

- - US Army Corps of Engineers
 - St. Paul District, ATTN: OP-R
 - 180 Fifth St. East, Suite 700
 - St. Paul, MN 55101-1678

- For Wetland Bank Plan applications, also send a copy of the application to:
 - Minnesota Board of Water and Soil Resources
 - Wetland Bank Coordinator
 - 520 Lafayette Road North
 - St. Paul, MN 55155

5. ATTACHMENTS

In addition to the application, list any other attachments:

-
-
-
-
-

Marco, Inc.
419 atlantic avenue
thief river falls, mn 56701

telephone:
218.681.1848
800.542.5022

marconet.com

February 3, 2014

Pennington County Law Enforcement Center
Thief River Falls MN 56701

The following are options for you to consider in an upgrade for your Canon copier.

Option #1 (Black/White)

Canon Ir-4235/DADF/Cassette Feed/Staple Finisher/Network Print/Color Scan To Email

210.49/Mo.

Option #2 (Color)

Canon Ir-5035/DADF/Cassette Feed/Staple Finisher/Network Print/Color Scan To Email

243.04/Mo.

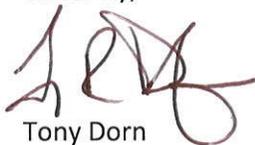
Service/Toner Plan:

Service on the above units is charged at .009 for all black and white copies and prints and .075 for all color copies and prints for each respective model. This charge includes driving time, labor, all parts, drums and toner necessary to make copies or prints.

With this plan, your only additional expense is paper and staples.

Thank you and if you have any other questions, please don't hesitate to call.

Sincerely,



Tony Dorn
Marco TRF
683-2362

PENNINGTON COUNTY		
	Our Current Rates	Proposed New Rates
Service of Summons, Warrant, Subpeona, etc.	\$30.00	\$40.00
Mileage Minimum	\$10.00	\$10.00
Mileage Rate	.50/mile	0.55/mile
Not Found Service	\$25.00	\$35.00
Foreclosure Sale	\$40.00	\$50.00
Posting 3 Notices of Sale	?	\$50.00
Preparation of Levy Paperwork	\$0.00	\$25.00
Writ of Execution Deposit for Service on bank/ employer/personal demand	\$40.00	\$50.00
Writ of Execution Commission	10% on first \$250 / 6% remainder	leave as is
Writ of Recovery & Inventory	\$40 for service or posting - no charge for inventory	\$40 for service or posting - \$50/hr for inventory
Mortgage Redemption	\$250.00	\$250.00
Seizure of Property	?	\$50/hr
Personal Property Sale	?	\$50.00
Services/processes not elsewhere named	\$25	\$40
Service where extended Deputy assistance is involved but not elsewhere named	?	\$50/hr

Process Fees Other Counties

	Roseau	Marshall	Polk <i>last updated 2009 updating in 2014</i>	Beltrami	Hubbard	Todd	Itasca	Koochching
Service	\$40.00	\$35.00	\$35.00	\$50.00	\$50.00	\$50.00	\$55.00	\$40.00
Mileage Minimum	\$10.00	\$5.00	\$10.00	n/a	\$10.00	\$5.00		\$5.00
Mileage Rate	.50/mile	.55/mile	.57/mile	.58/mile	.555/mile	.55/mile		.57/mile
Not Found Service	\$40.00	\$35.00	\$35.00	\$45.00	\$50.00	\$50.00	\$55.00	\$40.00
Foreclosure Sale	\$60.00	\$50.00	\$40.00	\$60.00	\$60.00	\$65.00	\$55.00	\$50.00
Posting 3 Notices of Sale	\$50.00	\$40.00	?	\$60.00	\$60.00	\$50.00	?	?
Preparation of Levy Paperwork	\$30.00	\$30.00	\$35.00	\$45.00	\$45.00	\$50.00	?	?
Writ of Execution Deposit for Service on bank/ employer/personal demand	\$75.00	\$35.00	\$40.00		\$50.00		\$100.00	\$60.00
Writ of Execution Commission	\$25 for first \$250 / 6% remainder	\$25 for first \$250 / 6% remainder	6% of entire collection	8% of entire collection	\$25 for first \$250 / 6% remainder	5% on entire collection	5% on entire collection	\$25 for first \$250 / 7% remainder
Writ of Recovery & Inventory	\$40 for service plus \$50/hr	?	\$35.00	\$50 for service plus \$55/hr	\$35.00	\$50.00	\$65.00	\$70/hr
Mortgage Redemption	\$250.00	\$250.00	\$250.00	\$250.00	\$250.00	\$200.00	\$250.00	\$250.00
Seizure of Property	\$75 + \$50/hr	\$85 plus meilage and deputy time	Calculated - deputy time, mileage and storage	\$75/hr	?	\$50/hr	\$65/hr	?
Personal Property Sale	\$60.00	\$50.00	\$40.00	\$60.00	\$50.00	\$65.00	\$55.00	\$50.00

Roseau

Becky Carlson

From: Janet H. Klatt <jan.klatt@co.roseau.mn.us>
Sent: Wednesday, December 11, 2013 1:50 PM
To: bcarlson@penningtonsheriff.org
Subject: Civil Fees for Mailing (2)

As you see, our last update was 2010.

CIVIL FEES	RATE
Advance Deposit for Service	\$75.00 Per Individual
Serving Summons, Warrant, Writ Subpoena	\$40.00 Per Defendant Plus Mileage
Search and Inquiry/Not Found	\$40.00 Plus Mileage
Posting Notices of Sale (3)	\$50.00 Plus Mileage
Real Estate Sales/Mortgage Foreclosure Sales including Certificate of Sale	\$60.00
Safekeeping of Property in Replevin, Attachment or Execution	\$75.00 Plus Mileage Plus Deputy Time at \$50.00 per hour (2 hour minimum)
Standing by on property exchange on Writ of Restitution (evictions) & other Court Orders	\$40.00 Plus Mileage and Deputy Wage of \$50.00 per hour
Reissue of Affidavit and/or Certificate of Service	\$10.00
Certificate of Sale of Real Estate	\$50.00
Copy Certificate of Sale of Real Estate when Requested	\$12.00
Property Redemption Fee-Owner and/or Other Party per M.S. 580.25	\$250.00
Documents received following Redemption	\$20.00
Notice of Intent to Redeem	\$100.00
Mechanic's Lien Certificate of Sale	\$50.00
For all process when no charge is made for service of a return of not found or unsatisfied	\$40.00
For services not herein enumerated	\$40.00

Mileage shall be computed from the place where the court is usually held at the rate of fifty cents (\$.50) per mile with a \$10.00 minimum charge

EXECUTIONS	RATE
Writ of Execution for each bank levy, wage levy, or personal demand	\$75.00 Deposit
Preparing a Levy	\$30.00
Copy fee for Executions	\$2.00
Collection on Execution after Levy	10% on first \$250 6% on balance
Returning an Execution unsatisfied when no service	

MARSHALL COUNTY SHERIFF'S CIVIL PROCESS FEES

WHEREAS, The Marshall County Board of Commissioners shall set the fees to be charged by the Sheriff pursuant to MN SS 357.09, Subdivision 8; and

WHEREAS, The Marshall County Board of Commissioners shall set the fees to be charged, with the advice and consultation of the Sheriff, and

WHEREAS, the Sheriff has advised and recommended the fees to be charged, pursuant to MN SS 357.09, Subdivision 8.,

THEREFORE BE IT RESOLVED, the Marshall County Board of Commissioners set the following fees to be charged by the Sheriff, pursuant to the provisions of MN SS 357.09 and MN SS 387.20

1. Serving a summons, writ, warrant, subpoenas or any process issued by a Court of record, for each defendant served; **\$35.00**
2. Collection after execution; a. **10%** of the total amount stipulated to by the parties up to **\$250.00** and **6%** for the amount over and above **\$250.00**. (this same schedule to include the amount actually levied upon by the Sheriff and the amount collected after demand by the Sheriff).
3. Posting three (3) notices of sale; **\$40.00**.
4. Certificate of sale of real estate; **\$35.00**; A copy when requested; **\$15.00**.
5. Selling land on foreclosure of a mortgage, for all services required, including executing a certificate of sale; postponing such sale; **\$50.00**.
6. Making diligent search and inquiry and returning a summons when the defendant can not be found; **\$35.00**
7. Returning an execution unsatisfied when no service has been made; **\$35.00**.
8. Receiving and paying over money paid on redemption of property and executing a certificate, to be collected from the person redeeming; **\$85.00**.
9. Securing and safely keeping property in replevin or attachment or on execution, to be computed on the basis on time spent and hourly rate of pay of the Sheriff and or of the Deputy executing the process: **\$85.00** plus mileage and deputies time if more than one (1) hour and then actual time spent. Also, a prepayment to carry out these duties as set by the Sheriff.
10. For services not enumerated, if provided by the county; **\$35.00**
11. For all services when no charge made for service of a return of not found or unsatisfied; **\$35.00**

12. Mileage for service of civil process for County vehicles is set at the County mileage rate as of the date of service. Minimum of **\$5.00** for mileage.
13. Preparing a levy; **\$30.00**
14. Other fees: Fee for providing copies of reports; **.25 cents** per page, copies of pictures **\$5.00** per set.
15. **County Jail Fees:** Holding inmates for out of County agencies; **\$50.00**. Holding inmates on Huber Law (work release) in county; **\$15.00** per day. Holding inmates on Huber Law (work release) out of county; **\$35.00** per day.
16. The Sheriff shall be allowed reasonable and necessary expenses actually paid out for food furnished any prisoner while conducting the prisoner to jail and for transportation by a common carrier.
17. Under MN SS 641.15, subdivision 2, Inmates will be charged the following expenses for medical needs: Seeing a Nurse in the jail; **\$5.00**. Seeing a Dr.; **\$10.00**. Medication; **\$10.00** per prescription. All these expenses will be deducted through the inmates canteen account. Indigent inmates will not be charged but if they are booked in again or have money deposited into their canteen account, the amounts due will be deducted then.

Sharon Bring
Chairman, Marshall County Board of Commissioners

Date

Roll

John Schmalenberg, County Coordinator came before the Board to discuss matters pertaining to his department. A motion was made by Commissioner Diedrich, seconded by Commissioner Bunes and adopted by unanimous vote of the Board to amend the minutes of October 27, 2009 with the correct Sheriff's Office fees:

Civil Process and Other Fees

1. Serving a summons, warrant, writ, subpoena, or any process issued by a court of record, \$35.00 for each defendant served and mileage.
2. For all process, when no charge is made for service, of a return of not found or unsatisfied, \$35.00.
3. Writ of Execution levies, (bank, wages, personal property, real estate property), \$35.00.
4. Collection on execution after levy on personal property and money or collected on the execution without levy:

\$0.00 - \$100,000.00 = six percent (6%)

\$100,001.00 - \$300,000.00 = three percent (3%)

All Amounts over \$300,000.00 = one percent (1%)

\$ 10. min
on 565
mile

5. Posting: \$45.00 (mileage included)
6. Conduct and Certificate of Sale on executions, personal property and/or real estate: \$40.00
Copy requested \$15.00.
7. Selling land on foreclosure of a mortgage, for all services required, including executing a Certificate of Sale, \$40.00, per sale held.
8. Mechanic Lien Certificate of Sale, \$40.00.
9. Writ of Execution returned (not used, no property found, partially satisfied): \$40.00 and mileage.
10. Creditor Redemption / Notices of Intent to Redeem received by the Sheriff (MS 580.24): \$100.00
11. Mortgagor and Creditor Redemptions / Executing a Certificate of Redemption and related service (MS 580.24 & MS 580.25), \$250.00.

Documents received following redemption, \$20.00. (MS 580.25).

12. Securing and safely keeping property in replevin, attachment, or on execution to be computed on the basis of time spent and hourly rate of pay of the Sheriff or Deputy executing the process: Deputy time, mileage and storage.
13. Fee for storage on County property: \$15.00/day – sheltered; \$10.00– unsheltered.
14. Unlawful Detainer/Eviction/Writ of Recovery and Order to Vacate, \$35.00, Deputy Time and Mileage.

15. For services not herein enumerated, \$40.00, if provided by the County Board.
16. Reissue of Affidavit and/or Certificate of Service: \$15.00.
17. Mileage: Current IRS rate, minimum \$10.00. When applicable, mileage will be included on all civil process matters handled by the Sheriff.
18. Writ of execution deposit in advance of service: This is at the discretion of the Sheriff.
19. Handgun Permits: \$100.00
20. Renewal Handgun Permits: \$75.00
21. Purchase Permits: No fee.
22. Film/Tape: (35mm, APS, Polaroid, Cassette, VHS) (Per data practices as outlined by MS 13.03 & 13.04)
23. Digital Information: (Photos, Audio, and Video) (Per data practices as outlined by MS 13.03. & 13.04)
24. Notary Fee: \$5.00
25. Certified Copy Fee: \$5.00
26. False Alarm Response: Deputy Time per Deputy dispatched. This fee structure would apply after the 3rd false alarm in a 45 day period. The alarm holder shall be notified in writing after the 2nd false alarm.
27. Background Checks, \$15.00 for the basic background check. If applicable, other fees related to the preparation and completion of the background check will be added.
28. Civil Process Deputy Time is the current rate of pay plus benefits; may include overtime.
29. Incident/Accident Reports/Other Case File Information (Per data practices as outlined by MS 13.03 & 13.04)
30. Recording fee per document: \$46.00 each
31. Deputy and/or Record staff time will be charged for a minimum of one hour for Sheriff/Mortgage Foreclosure sales that are cancelled or postponed without notification.



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Bemidji, MN 56601

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Civil Division

Civil Process - Fee Schedule

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Service of Process (Per Person, Plus Mileage)	\$50
Mileage Rate (based on round trip from the station, \$10 minimum)	\$.58
Collection after Execution (Commission)	8%
Sales Notices, posting 3 copies	\$60
Legal Not Found, plus mileage	\$45
Securing Property in Replevin, Attachment, or Execution (plus (2) deputys time (2 hour minimum each), plus mileage, \$40 per document served)	\$75
Sheriff's Sale (per sale held)	\$60
Drafting Certificate of Sale	\$50
Redemption of Property on Morgage Foreclosure Sale	\$250
Preparing Levy	\$45
Writ of Execution (deposit in advance of service, non-refundable)	\$100
Deputy Time Per Hour (based on rate of overtime plus benefits)	\$55
Late fee per month (based on bills more than 4 months past due)	\$5

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Cory Aukes, Sheriff

Hubbard County Sheriff's Office
301 Court Avenue
Park Rapids, MN 56470
218-732-3331 Fax: 218-732-2550



To protect and serve citizens of Hubbard County

*Sheriff's
Secretary =
Linda*

Hubbard County Civil Process Fee-for-Service Schedule

January 1, 2012

Fee Schedule	
\$60.00 deposit received with papers to be served/No service if we have "Past Due" bills pending	
Service of process fee	\$50.00/plus mileage
Service attempt/not found	\$50.00/plus mileage
Mileage (round trip)	\$.555/per mile / \$10.00 minimum
Sheriff's Foreclosure Sale	\$60.00
Redemption of property (recorded fee holder)	\$250.00
Redemption of property (all others)	1%
Posting of three sale notices	\$60.00/plus mileage
Drafting of all Certificates of Sale	\$50.00
Execution levy preparation fee	\$45.00
Writ of Execution commission fee of the amount collected	10% first \$250.00, 6% remainder
Evictions	\$35.00 (per deputy per hour)
Domestic Abuse Protection Orders	No charge
Securing Property in Replevin, Attachment, Execution, or forced move under Eviction/Writ of Recovery.	\$50.00 per document served Plus \$35.00 Deputy time (1 hr minimum)

SHERIFF'S OFFICE FEE SCHEDULE

Long Prairie

	<u>FEES</u>
• PERSONAL or ABODE service	50.00
• MILEAGE (computed on a round trip basis)	.55 Per mile
• FLAT FEE MILEAGE FOR CITY OF LONG PRAIRIE	5.00 Flat Fee
• WRIT OF EXECUTION (based on the amount collected or stipulated to by the parties as a result of a Sheriff's Levy + service fees and mileage)	5%
• WRITS OF EXECUTION returned unsatisfied	50.00
• POSTING NOTICE	50.00
• SECURING PROPERTIES seizure under Writ of Attachment, Writ of Restitution, etc. (for each Deputy involved)	50.00
• NOTIFICATION TO JUDGEMENT DEBTOR	10.00
• LEVY FEE on Writ of Execution	10.00
• SHERIFF'S SALES	
• JUDGEMENT & DECREE	100.00
• EXECUTION	100.00
• MORTGAGE FORECLOSURE	65.00
• OUTSIDE BIDDER CERTIFICATE	100.00
• MECHANIC LEIN	60.00
• LEIN	100.00
• UNIFORM COMMERCIAL CODE	60.00
• ABANDONED PROPERTY	60.00
• REDEMPTIONS:	
• FEE OWNER	200.00
• CREDITOR	200.00
• FILING REDEMPTION WITH SHERIFF'S OFFICE	50.00

Per Diem/Room and Board/Booking Fees

• BOARD OF PRISONERS (for other counties)	\$55.00/day
• ROOM AND BOARD (Todd County)	\$25.00/day
• BOOKING FEE	\$25.00

Reports/Tapes

• Accident and Police Reports	\$ 5.00
• Photo Reproduction	\$1.00 per photo/\$15.00 per CD
• Video, Audio and Voice Logger Tapes and CD's	\$15.00 each.

Drug Testing/Fingerprinting

• Drug Tests	\$30.00
• PBT's	\$10.00
• Alcohol Tests for DOT	\$10.00
• Civilian Fingerprinting (ie. Employment, passport, adoption, etc.)	\$10.00

Impound/Evidence Storage

Impound Storage – Outdoor	\$5.00 per day.
Impound Storage – Indoor	\$10.00 per day.

Escorts/Private Security

Deputy Time	\$60.00 per hour (Two Hour Minimum)
-------------	-------------------------------------

**Itasca County Sheriff's Office
Civil Process Fees**

Civil Process Fees Effective 03-01-2010

Service fees include mileage and four attempts on different dates and times

Basic Service	\$55.00 per person
Posting	\$55.00
Affidavit of Legal Not Found	\$55.00
Duplicate Certificate of Service	\$15.00

Execution Fees

Execution levy/Copy Packet	\$10.00
Execution Deposit Fee (non refundable)	\$100.00
Posting of Sale	\$55.00
Personal/Real Property Sale	\$55.00
Property Seizure / Deputy Time	\$65.00 /hr
Execution Commission	5%
Certificate of Sale	\$55.00

*Special Equipment and storage fees must be pre-paid

* Fees may vary based on current rates.

Foreclosures

Mortgage Foreclosure Sales	\$55.00
Mortgage Redemption	\$250.00 Minn. Stat. 580.25 sul
Pre-Payed non-refundable fee	\$55.00

Property Seizure

Service of I Replevin	\$55.00
Deputy Time / Lockout and inventory	\$65.00/hr
Writ of Recovery	\$55.00
Deputy Time / Lockout and Inventory	\$65.00/hr

Pre-Payment is required for the full amount due



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Civil Process

Law Enforcement Center

Civil Process Fees

*****\$45 Advance Deposit Required*****

Service of Process	\$40.00 Plus Mileage
Not Found Paper	\$40.00 Plus Mileage
Mileage Rate for Service of Found or Not Found (Flat Rate for City Limits \$5.00)	STATE RATE after 10 Miles
Collection After Execution	10% FIRST \$250.00, 7% OF Remaining Balance
Advance Deposit for Levies	\$60.00
Securing Property In Replevin	\$70.00 per hour (Minimum 1 hour, 2 Deputies, plus Mileage)
Deputy Per Hour	\$35.00
Sheriff's Sale/Mechanics Lien Sale	Sale \$40.00 plus \$70.00 per hour (Min. 1 hour, 2 Deputies, Plus Mileage & Document Preparation)
Sales Notices (Posting 3 Copies)	\$40.00
Drafting Certificate of Sale	\$40.00
Intent to Redeem Certificates	\$100.00
Redemption Certificates	\$250.00
Foreclosure Sales	\$50.00
Permit to Carry	\$100.00
Permit to Purchase	No Charge

Window Hours: Mon-Fri 7AM-4PM

For more information, Please call **218 283-1141**

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Effective 02-01-2005

PENNINGTON COUNTY
SHERIFF'S FEE SCHEDULE
2005

mir
mileage
↓
\$30.⁰⁰ + 10.⁰⁰

- 1) Serving a summons, warrant, writ, subpoena, or any process issued by a court of record, for each defendant served and mileage; \$25.00 (to \$30.00)
- 2) Taking and approving a bond, \$10.00 and for a certified copy \$3.00;
- 3) Collection on execution after levy 10% of the first \$250.00 - 6% of the remaining amount);
- 4) Posting three notices of sale \$30.00;
- 5) Certificate of sale of real estate \$25.00; a copy when requested \$12.00;
- 6) Selling land on foreclosure of a mortgage, for all services required, including executing a certificate of sale; postponing such a sale \$40.00;
- 7) Making diligent search and inquiry and returning a summons when defendants cannot be found \$25.00;
- 8) Returning an execution unsatisfied when no service is made \$40.00;
- 9) Receiving and paying over money paid on redemption of property and executing a certificate, to be collected from the person redeeming 1% (maximum of \$200 for the fee holder);
- 10) Securing and safely keeping property in replevin or attachment or on execution \$75.00, plus sheriff and/or deputy time and mileage;
- 11) For services not herein enumerated, if provided by the county board \$25.00;
- 12) For all process when no charge is made for service of a return of not found or unsatisfied \$25.00.

- \$0
Per mile

Mileage: When mileage is allowed the sheriff it shall be computed from the place where the court is usually held \$0.45 per mile, minimum \$5.00 (to \$0.50 per mile)

minimum \$10.00

Permit to Carry \$100
Renew - 30 days prior to expiration \$75
Change of address \$10



**POSITION DESCRIPTION
PENNINGTON COUNTY**

SECTION I: GENERAL INFORMATION

Position Title: Economic Development Director	Department: County/City/Jobs Inc. (Shared Position)
Immediate Supervisor's Position Title: Pennington County Board of Commissioners	FLSA Status: Exempt
Job Summary: Develops and implements economic development and redevelopment programs with the goals of business attraction and retention; job growth, and housing and tax base expansion in the City of Thief River Falls (City) and Pennington County (County). Serves as the key point of contact for businesses looking to locate or expand and guides projects and proposals through the necessary approval processes.	

SECTION II: ESSENTIAL DUTIES AND RESPONSIBILITIES

<p>Designs, implements, and administers an economic development marketing program to attract new business. Makes initial contact and follow-ups with potential and maturing prospect inquires and those qualifying as bonafide economic development prospects. Monitors competition and trends.</p>
<p>Designs, implements, and administers marketing programs to attract new housing and/or rehabilitation programs. Provides assistance to developers to access incentives for housing possibilities. Negotiates and implements developer agreements and contracts for tax increment financing, tax abatements, or other programs with City/County approval.</p>
<p>Identifies potential grant and loan opportunities, and identifies other funding sources for local economic development projects and submits applications.</p>
<p>Provides technical assistance to businesses at all stages to expand and retain a commercial/industrial presence throughout the County. Makes regular visits to business and industries.</p>
<p>Gathers, analyzes and presents economic development trend information clearly and effectively in order to allow business and government officials to easily access the information.</p>
<p>Works along with the Community Development Advisory Board, Jobs Incorporated, and the City and County in economic</p>

development issues.
Prepares news releases and creates brochures and makes public presentations when necessary. Maintains an economic development website linking the County, City and Chamber. Creates and updates a "Community Profile". Responds to routine inquires both internal and external.
Conducts regular reviews of County and City policies, regulations and fees to ensure competitiveness in the marketplace and a culture of business friendly operations.
Other tasks as assigned

SECTION III: WORK REQUIREMENTS AND CHARACTERISTICS

RESPONSIBILITY FOR DIRECT SUPERVISION OF THE FOLLOWING POSITIONS	
Titles of Positions Directly Supervised	# of Employees
TOTAL	

INDIRECT SUPERVISION:	
Number of employees indirectly supervised:	Total:

EDUCATION/KNOWLEDGE REQUIREMENT: Minimum education required to perform adequately in position could reasonably be attained only by completing the following:

REQUIRED EDUCATION/TRAINING (choose one)			DEGREE INFORMATION: Type of degree: (B.S., M.A., etc.)		
less than high school diploma			Requires a Bachelor's Degree		
High school diploma or GED.			Major field of study or degree emphasis:		
1 year college		2 years college	Business, Public Administration, Finance, Economic Development, Marketing or related field		
3 years college	x	4 years college			
1st year graduate level			Essential knowledge and specialized subject knowledge required to perform the essential functions of the job: Experience interacting with local government entities and knowledge of municipal development processes strongly desired.		
2nd year graduate level					
Doctoral Degree					

Required Work Experience in Addition to Formal Education/Training:

Three to five years of related work experience; or an equivalent combination of formal training/education and work experience.

LICENSE/ CERTIFICATION	Identify licenses/certification required: Requires a valid driver's in the State of MN. After hire may be required to gain additional certification or other licenses or certifications that may be required by the State of MN or County.
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HAZARDOUS WORKING CONDITIONS: <i>The essential duties of the work are performed under various physical hazards or environmental conditions noted.</i>	Unusual or hazardous working conditions related to performance of duties: While the incumbent may be subject occasionally to irate or angry citizens making the job less than desirable, the physical and environmental hazards and risks associated with the job can be characterized as minimal.
--	--

ESSENTIAL SKILLS REQUIRED TO PERFORM THE WORK	<p>Skilled in:</p> <ul style="list-style-type: none"> • Oral and written communications. • Establishing and maintaining effective working relationships with employees, other departments, other governmental agencies and the general public. • Learning, understanding and applying statutes, regulations and guidelines pertaining to departmental activities, functions, and job responsibilities. • Performing job assignments requiring considerable attention to detail, accuracy and precision. • Performing duties requiring customer service orientation, public relation skills, and attention to office etiquette. • Performing assignment under minimal supervision. • Time management skills. • Planning, leading and coordinating the activities committees. • Presentational and speaking skills.
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PHYSICAL JOB REQUIREMENTS: Indicate according to essential duties/responsibilities

Physical requirements associated with the position can be best summarized as follows:

Light Work:
Exerting up to 20 pounds of force occasionally, and/or up to 10 pounds of force frequently, and/or negligible amount of force constantly to lift, carry, push, pull, or otherwise move objects in the performance of the job.

PHYSICAL JOB REQUIREMENTS: Indicate according to essential duties/responsibilities

<u>Employee is required to:</u>	Never	1-33% Occasionally	34-66% Frequently	66-100% Continuously
Stand		x		
Walk		x		
Sit			x	
Use hands dexterously (use fingers to handle, feel)			x	
Reach with hands and arms		x		
Climb or balance	x			
Stoop/kneel/crouch or crawl	x	x		
Talk or hear			x	
Taste or smell	x			

PHYSICAL JOB REQUIREMENTS: Indicate according to essential duties/responsibilities

Employee is required to:	Never	1-33% Occasionally	34-66% Frequently	66-100% Continuously
Physical (Lift & carry): up to 10 pounds			x	
up to 25 pounds		x		
up to 50 pounds	x			
up to 75 pounds	x			
up to 100 pounds	x			
more than 100 pounds	x			

PHYSICAL JOB REQUIREMENTS: Indicate according to essential duties/responsibilities

Physical requirements associated with the position can be best summarized as follows:

Light Work:

Exerting up to 20 pounds of force occasionally, and/or up to 10 pounds of force frequently, and/or negligible amount of force constantly to lift, carry, push, pull, or otherwise move objects in the performance of the job.

SECTION IV: CLASSIFICATION HISTORY AND APPROVAL

This Position Description reflects an accurate and complete description of the duties and responsibilities assigned to the position.

_____ **Department Head's Signature**

_____ **Date**

Classification History:

Rated 01/2014 by BCC.

TOBACCO USE

Tobacco use is strictly prohibited in buildings, vehicles, and property owned, leased, or operated by Pennington County. Employee violation of this policy will result in discipline up to and including termination of employment. Supervisors and department heads shall have discretion in policy enforcement.

DRESS CODE AND GROOMING POLICY

What you wear to work projects an image to the public. Every employee is expected to present a positive image through a neat, clean appearance and attire appropriate to their job. Supervisors and department heads shall have discretion in policy enforcement.

PERSONAL HYGIENE/SCENTS

Employees should report to work free of body odor, excessive perfume/cologne, tobacco odor, etc. Scented candles, air fresheners, etc. in work areas are discouraged as co-workers may be sensitive or allergic. Supervisors and department heads shall have discretion in policy enforcement.

PERSONAL SPACE HEATERS

Personal space heaters are allowed at work stations provided they are UL-Approved, plugged directly into a wall outlet, and unplugged after work each day. Employees should position and use such heaters with extreme caution to minimize the risk of fire. If use of such heater(s) causes electrical problems, such as tripped circuits, their use in that area will be discontinued. Supervisors and department heads shall have discretion in policy enforcement.

Pennington County Financial System



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2/7/14

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Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Page 1

Print List in Order By: 2 1 - Fund (Page Break by Fund) Page Break By: 1 1 - Page Break by Fund
2 - Department (Totals by Dept) 2 - Page Break by Dept
3 - Vendor Number
4 - Vendor Name

Explode Dist. Formulas Y

Paid on Behalf Of Name
on Audit List?: N

Type of Audit List: D D - Detailed Audit List
S - Condensed Audit List

Save Report Options?: N

Pennington County Financial System



ANGIE
2/7/14 3:55PM

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor No.	Name Account/Formula	Rpt Accr	Amount	Warrant Description Service Dates	Invoice # Paid On Bhf #	Account/Formula Description On Behalf of Name
3	DEPT			Board County Commissioners		
1308	ASSOCIATION MINNESOTA COUNTIES					
20	01-003-000-0000-6241		300.00	BALANCE 2014 ANNUAL DUES	38522	DUES - BOARD
1308	ASSOCIATION MINNESOTA COUNTIES		300.00	1 Transactions		
8014	HUGOS #7					
145	01-003-000-0000-6330		13.01	FOOD FOR MEETING		TRAVEL & EXPENSE
7	01-003-000-0000-6330		14.08	FOOD FOR MEETING	1155	TRAVEL & EXPENSE
8014	HUGOS #7		27.09	2 Transactions		
9017	INSIGHT TECHNOLOGIES					
30	01-003-000-0000-6210		64.12	HOSTED EXCHANGE - FEB	757682	E-MAIL SERVICES
9017	INSIGHT TECHNOLOGIES		64.12	1 Transactions		
14321	NORTHWEST REGIONAL LIBRARY					
143	01-003-000-0000-6820		25,000.00	1ST QTR 2014 ALLOCATION	PEN 1Q14	NORTHWEST REGIONAL LIBRARY
14321	NORTHWEST REGIONAL LIBRARY		25,000.00	1 Transactions		
16362	PETERSON/NEIL					
118	01-003-000-0000-6330		29.12	JANUARY MILEAGE		TRAVEL & EXPENSE
16362	PETERSON/NEIL		29.12	1 Transactions		
19048	SWANSON/OLIVER (SKIP)					
119	01-003-000-0000-6330		201.60	JANUARY MILEAGE		TRAVEL & EXPENSE
19048	SWANSON/OLIVER (SKIP)		201.60	1 Transactions		
20027	THE TIMES					
29	01-003-000-0000-6231		438.24	LINE PROCEEDINGS		PUBLISHING - BOARD
20027	THE TIMES		438.24	1 Transactions		
3	DEPT Total:		26,060.17	Board County Commissioners	7 Vendors	8 Transactions
11	DEPT			District Court		
19326	SATHER LAW LTD					
10	01-011-000-0000-6261		30.00	ATTNY FEES 57-PR-13-291		COURT APPOINTED ATTORNEYS
11	01-011-000-0000-6261		46.46	ATTNY FEES 57-FA-07-1487		COURT APPOINTED ATTORNEYS
12	01-011-000-0000-6261		46.46	ATTNY FEES 57-F3-98-50157		COURT APPOINTED ATTORNEYS
13	01-011-000-0000-6261		46.66	57-F3-98-827		COURT APPOINTED ATTORNEYS

Pennington County Financial System



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2/7/14 3:55PM

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

1 County Revenue

Vendor No.	Name Account/Formula	Rpt Accr	Amount	Warrant Description Service Dates	Invoice # Paid On Bhf #	Account/Formula Description On Behalf of Name
19326	SATHER LAW LTD		169.58		4 Transactions	
11	DEPT Total:		169.58	District Court	1 Vendors	4 Transactions
16	DEPT			Law Library		
13337	MINNESOTA STATE LAW LIBRARY					
38	01-016-000-0000-6242		250.00	LAW LIBRARY PROGRAM CONTRACT		SUBSCRIPTIONS - LAW LIBRARY
13337	MINNESOTA STATE LAW LIBRARY		250.00		1 Transactions	
16	DEPT Total:		250.00	Law Library	1 Vendors	1 Transactions
41	DEPT			County Auditor		
9017	INSIGHT TECHNOLOGIES					
31	01-041-000-0000-6210		12.83	HOSTED EXCHANGE - FEB	757682	E-MAIL SERVICES
9017	INSIGHT TECHNOLOGIES		12.83		1 Transactions	
41	DEPT Total:		12.83	County Auditor	1 Vendors	1 Transactions
61	DEPT			Election		
19303	SYNERGY GRAPHICS INC					
107	01-061-000-0000-6262		218.54	BALLOT PRINTING - ROCKSBURY	4840	OTHER SERVICES - ELECTIONS
19303	SYNERGY GRAPHICS INC		218.54		1 Transactions	
61	DEPT Total:		218.54	Election	1 Vendors	1 Transactions
70	DEPT			Data Processing		
4310	D & T VENTURES					
28	01-070-000-0000-6301		450.00	PROPERTY TAX WEBSITE SUPPORT	295286	MAINTENANCE AGREEMENT
4310	D & T VENTURES		450.00		1 Transactions	
8125	HEPPNER CONSULTING					
21	01-070-000-0000-6263		300.00	WEBSITE UPDATES	2249	COMPUTER SERVICES - DP
8125	HEPPNER CONSULTING		300.00		1 Transactions	
9021	INFORMATION SYSTEMS CORPORATION					
37	01-070-000-0000-6301		8,385.00	2014 IMAGING MAINTENANCE	23414	MAINTENANCE AGREEMENT

Pennington County Financial System



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2/7/14 3:55PM
1 County Revenue

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Page 4

Vendor No.	Name	Account/Formula	Rpt Accr	Amount	Warrant Description	Invoice #	Account/Formula Description
					Service Dates	Paid On Bhf #	On Behalf of Name
9021	INFORMATION SYSTEMS CORPORATION			8,385.00	1 Transactions		
9017	INSIGHT TECHNOLOGIES						
32		01-070-000-0000-6210		38.47	HOSTED EXCHANGE - FEB	757682	E-MAIL SERVICES
33		01-070-000-0000-6210		38.47	HOSTED EXCHANGE - FEB	757682	E-MAIL SERVICES
9017	INSIGHT TECHNOLOGIES			76.94	2 Transactions		
70	DEPT Total:			9,211.94	Data Processing	4 Vendors	5 Transactions
91	DEPT				County Attorney		
9017	INSIGHT TECHNOLOGIES						
34		01-091-000-0000-6210		12.83	HOSTED EXCHANGE - FEB	757682	E-MAIL SERVICES
9017	INSIGHT TECHNOLOGIES			12.83	1 Transactions		
13321	MCMILLIN/JANELLE						
14		01-091-000-0000-6262		42.25	TRANSCRIPT	57-JV-13-471	OTHER SERVICES
13321	MCMILLIN/JANELLE			42.25	1 Transactions		
13341	MINNESOTA CLE						
142		01-091-000-0000-6241		74.81	MN STATE BAR ASSOCIATION		DUES
13341	MINNESOTA CLE			74.81	1 Transactions		
91	DEPT Total:			129.89	County Attorney	3 Vendors	3 Transactions
101	DEPT				County Recorder		
13322	MINNESOTA STATE TREASURER						
116		01-101-000-0000-6801		6.00	REGISTERED LAND		MISCELLANEOUS EXPENSE - RECORDER
114		01-101-000-0000-6827		270.00	MARRIAGE SURCHARGE		STATE SURCHARGES
115		01-101-000-0000-6827		1,921.50	RECORDER & REGISTRAR		STATE SURCHARGES
111		01-101-000-0000-6829		261.00	CHILDREN'S SURCHARGE		CHILDREN SURCHARGE MN - RECORDER
112		01-101-000-0000-6831		636.00	BIRTH/DEATH SURCHARGE		BIRTH/DEATH CERTIF SURCHARGE - REC
113		01-101-000-0000-6848		870.00	BIRTH RECORD SURCHARGE		BIRTH DEFECT SURCHARGE
13322	MINNESOTA STATE TREASURER			3,964.50	6 Transactions		
101	DEPT Total:			3,964.50	County Recorder	1 Vendors	6 Transactions
106	DEPT				County Assessor		
2322	BRUZEK/CARL						

Pennington County Financial System



ANGIE
2/7/14 3:55PM
1 County Revenue

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor No.	Vendor Name	Account/Formula	Rpt Accr	Amount	Warrant Description	Service Dates	Invoice #	Paid On Bhf #	Account/Formula Description	On Behalf of Name
27		01-106-000-0000-6330		232.96	ASSESSING JANUARY				TRAVEL & EXPENSE	
	2322	BRUZEK/CARL		232.96		1 Transactions				
	14301	NELSON/MICHELLE								
26		01-106-000-0000-6330		152.32	ASSESSING JANUARY				TRAVEL & EXPENSE	
	14301	NELSON/MICHELLE		152.32		1 Transactions				
	14334	NWMAP								
23		01-106-000-0000-6241		30.00	2014 NWMAP 2014 DUES				DUES - ASSESSOR	
	14334	NWMAP		30.00		1 Transactions				
	15302	OLSON/ADELINE								
25		01-106-000-0000-6241		15.00	REGION 8 DUES				DUES - ASSESSOR	
24		01-106-000-0000-6330		41.44	MILEAGE - REGION MTG - ERSKINE				TRAVEL & EXPENSE	
	15302	OLSON/ADELINE		56.44		2 Transactions				
106	DEPT Total:			471.72	County Assessor		4 Vendors		5 Transactions	
111	DEPT				Courthouse					
	1011	ACE HARDWARE								
16		01-111-000-0000-6300		16.53	TAPE, PUTTY KNIFE, WOOD PUTTY		191751		REPAIRS & MAINTENANCE	
17		01-111-000-0000-6300		12.27	DREMEL CUTTER, KEY		191872		REPAIRS & MAINTENANCE	
18		01-111-000-0000-6300		9.75	LIQUID WRENCH, BOLTS		191882		REPAIRS & MAINTENANCE	
19		01-111-000-0000-6300		10.68	RETURN DREMEL CUTTER BIT		191882		REPAIRS & MAINTENANCE	
	1011	ACE HARDWARE		27.87		4 Transactions				
111	DEPT Total:			27.87	Courthouse		1 Vendors		4 Transactions	
132	DEPT				Motor Vehicle					
	13498	MARCO, INC								
106		01-132-000-0000-6301		35.44	105437 MAINTENANCE AGREEMENT		INV1792365		MAINTENANCE AGREEMENT	
	13498	MARCO, INC		35.44		1 Transactions				
132	DEPT Total:			35.44	Motor Vehicle		1 Vendors		1 Transactions	
201	DEPT				Sheriff					
	1364	AUTO VALUE								
3		01-201-000-0000-6631		4.26	#6 MIRROR GLUE		31425		FURNITURE & EQUIPMENT	

Pennington County Financial System



ANGIE
2/7/14 3:55PM
1 County Revenue

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor No.	Name Account/Formula	Rpt Accr	Amount	Warrant Description Service Dates	Invoice # Paid On Bhf #	Account/Formula Description On Behalf of Name
1364	AUTO VALUE		4.26		1 Transactions	
3002	CELLTECH COMMUNICATIONS INC					
134	01-201-000-0000-6405		53.43	PHONE - RAY	15769	GENERAL SUPPLIES
135	01-201-000-0000-6405		53.41	PHONE - BLAIZE	15789	GENERAL SUPPLIES
3002	CELLTECH COMMUNICATIONS INC		106.84		2 Transactions	
4313	DEPARTMENT OF MOTOR VEHICLES					
4	01-201-000-0000-6304		42.00	REGISTRATION EXPEDITION		REPAIR & MAINTENANCE - SQUADS
4313	DEPARTMENT OF MOTOR VEHICLES		42.00		1 Transactions	
6006	FARMERS UNION OIL					
123	01-201-000-0000-6560		2,530.10	GAS SQUADS JANUARY		GAS & DIESEL
6006	FARMERS UNION OIL		2,530.10		1 Transactions	
9017	INSIGHT TECHNOLOGIES					
35	01-201-000-0000-6210		25.65	HOSTED EXCHANGE - FEB	757682	E-MAIL SERVICES
9017	INSIGHT TECHNOLOGIES		25.65		1 Transactions	
99999997	MINNESOTA STATE PATROL					
120	01-201-000-0000-6405		300.00	RADAR (3)		GENERAL SUPPLIES
99999997	MINNESOTA STATE PATROL		300.00		1 Transactions	
15329	OIL BOYZ EXPRESS LUBE					
127	01-201-000-0000-6304		42.57	#1 OIL CHANGE	105256	REPAIR & MAINTENANCE - SQUADS
15329	OIL BOYZ EXPRESS LUBE		42.57		1 Transactions	
20027	THE TIMES					
126	01-201-000-0000-6401		82.29	FORMS	284	SUPPLIES
125	01-201-000-0000-6801		363.00	ADS STS PT DEPUTY	284	MISCELLANEOUS EXPENSE
20027	THE TIMES		445.29		2 Transactions	
201	DEPT Total:		3,496.71	Sheriff	8 Vendors	10 Transactions
206	DEPT			County Coroner		
21338	UND FORENSIC PATHOLOGY					
121	01-206-000-0000-6262		2,000.00	AUTOPSY	A14-001	OTHER SERVICES-CORONER
21338	UND FORENSIC PATHOLOGY		2,000.00		1 Transactions	

Pennington County Financial System



ANGIE
2/7/14 3:55PM
1 County Revenue

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Page 7

Vendor Name	Rpt	Warrant Description	Invoice #	Account/Formula Description
No. Account/Formula	Accr	Service Dates	Paid On Bhf #	On Behalf of Name
206 DEPT Total:		County Coroner	1 Vendors	1 Transactions
219 DEPT		Law Enforcement Center Building		
1011 ACE HARDWARE				
131 01-219-000-0000-6300		11.08 ANCHOR L BASE BIT	189955	REPAIRS & MAINTENANCE
129 01-219-000-0000-6300		11.12 BOLTS, WASHERS	191610	REPAIRS & MAINTENANCE
130 01-219-000-0000-6300		107.30 PIPES, ELBOW, VENT	191833	REPAIRS & MAINTENANCE
1011 ACE HARDWARE		129.50		3 Transactions
1314 ACE RENT-ALL				
5 01-219-000-0000-6300		32.60 HAMMERDRILL		REPAIRS & MAINTENANCE
1314 ACE RENT-ALL		32.60		1 Transactions
4340 DAKOTA FIRE PROTECTION INC				
136 01-219-000-0000-6300		187.50 ANNUAL SPRINKLER INSPECT - LEC	12584	REPAIRS & MAINTENANCE
4340 DAKOTA FIRE PROTECTION INC		187.50		1 Transactions
8305 HONEYWELL,INC				
1 01-219-000-0000-6300		614.00 REPLACE THERMOSTATS	538829	REPAIRS & MAINTENANCE
8305 HONEYWELL,INC		614.00		1 Transactions
12037 LEE PLUMBING & HEATING				
132 01-219-000-0000-6300		149.00 REPAIR SINK & DRINKING FOUNTAIN	64890	REPAIRS & MAINTENANCE
12037 LEE PLUMBING & HEATING		149.00		1 Transactions
219 DEPT Total:		1,112.60 Law Enforcement Center Building	5 Vendors	7 Transactions
220 DEPT		Law Enforcement - Shared		
8385 HEARTLAND PAPER CO				
140 01-220-000-0000-6403	AP	112.59 TRASH BAGS	339258	JANITORIAL SUPPLIES-LEC SHARE
141 01-220-000-0000-6403	AP	146.89 ASEPTIC LOTION CLEANER	362932	JANITORIAL SUPPLIES-LEC SHARE
8385 HEARTLAND PAPER CO		259.48		2 Transactions
26302 ZEE MEDICAL SERVICE				
6 01-220-000-0000-6801		109.69 ANTACID, PURELL, DILOTAB	69239	MISCELLANEOUS EXPENSE
26302 ZEE MEDICAL SERVICE		109.69		1 Transactions

Pennington County Financial System



ANGIE
2/7/14 3:55PM
1 County Revenue

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor Name		Rpt	Warrant Description	Invoice #	Account/Formula Description
No.	Account/Formula	Accr	Service Dates	Paid On Bhf #	On Behalf of Name
220	DEPT Total:		Law Enforcement - Shared	2 Vendors	3 Transactions
251	DEPT		Jail		
128	1011 ACE HARDWARE		PENCIL SHARPENER	189366	REPAIRS & MAINTENANCE
	01-251-000-0000-6300				
	1011 ACE HARDWARE			1 Transactions	
	4340 DAKOTA FIRE PROTECTION INC				
137	01-251-000-0000-6300		ANNUAL SPRINKLER INSPECT-ANNEX	12584	REPAIRS & MAINTENANCE
	4340 DAKOTA FIRE PROTECTION INC			1 Transactions	
	6349 FASTENAL COMPANY				
133	01-251-000-0000-6300		ANNEX REPAIR	MNR0560426	REPAIRS & MAINTENANCE
	6349 FASTENAL COMPANY			1 Transactions	
	7393 GORDY'S PLUMBING				
124	01-251-000-0000-6300		REPLACE WATER HEATER ELEMENT	1127	REPAIRS & MAINTENANCE
	7393 GORDY'S PLUMBING			1 Transactions	
251	DEPT Total:		Jail	4 Vendors	4 Transactions
255	DEPT		Sentenced To Serve Program		
2	2050 BREDESON SUPPLY	AP	TONER CARTRIDGE	956840	GENERAL SUPPLIES - S.T.S.
	01-255-000-0000-6405				
	2050 BREDESON SUPPLY			1 Transactions	
	6006 FARMERS UNION OIL				
122	01-255-000-0000-6330		GAS/STS JANUARY		TRAVEL & EXPENSE
	6006 FARMERS UNION OIL			1 Transactions	
255	DEPT Total:		Sentenced To Serve Program	2 Vendors	2 Transactions
271	DEPT		Crime Victim Emergency Service		
8	8014 HUGOS #7		FOOD FOR TRIAL	1155	OTHER SERVICES - A.E.S.
	01-271-000-0000-6262				
	8014 HUGOS #7			1 Transactions	

Pennington County Financial System



ANGIE
2/7/14 3:55PM

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor Name		Rpt	Warrant Description	Invoice #	Account/Formula Description
No.	Account/Formula	Accr	Service Dates	Paid On Bhf #	On Behalf of Name
271	DEPT Total:		Crime Victim Emergency Service	1 Vendors	1 Transactions
290	DEPT		EMERGENCY MANAGEMENT		
36	9017 INSIGHT TECHNOLOGIES				
	01-290-000-0000-6210		HOSTED EXCHANGE - FEB	757682	E-MAIL SERVICES
	9017 INSIGHT TECHNOLOGIES			1 Transactions	
290	DEPT Total:		EMERGENCY MANAGEMENT	1 Vendors	1 Transactions
501	DEPT		Auditorium		
15	1011 ACE HARDWARE				
	01-501-000-0000-6403		3 BROOMS	191741	JANITORIAL SUPPLIES
	1011 ACE HARDWARE			1 Transactions	
501	DEPT Total:		Auditorium	1 Vendors	1 Transactions
601	DEPT		County Extension		
108	3323 CHAMBER OF COMMERCE				
	01-601-000-0000-6240		2014 MEMBERSHIP	11922	SUBSCRIPTIONS
	3323 CHAMBER OF COMMERCE			1 Transactions	
	9304 INCONTACT INC				
109	01-601-000-0000-6202	AP	NOV PHONE BILL	124476720	TELEPHONE - EXTENSION
110	01-601-000-0000-6202	AP	DECEMBER PHONE BILL	124476720	TELEPHONE - EXTENSION
	9304 INCONTACT INC			2 Transactions	
	15051 OFFICE MAX				
117	01-601-000-0000-6401		OFFICE SUPPLIES	749602	SUPPLIES - EXTENSION
	15051 OFFICE MAX			1 Transactions	
601	DEPT Total:		County Extension	3 Vendors	4 Transactions
605	DEPT		Soil Conservation		
146	15310 PENNINGTON COUNTY SOIL & WATER				
	01-605-000-0000-6901		1ST HALF 2014 SWCD APPROPRIATI		APPROPRIATIONS
	15310 PENNINGTON COUNTY SOIL & WATER			1 Transactions	

Pennington County Financial System



ANGIE
2/7/14 3:55PM

1 County Revenue

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Page 10

Vendor Name		<u>Rpt</u>	<u>Warrant Description</u>	<u>Invoice #</u>	<u>Account/Formula Description</u>	
No.	<u>Account/Formula</u>	<u>Accr</u>	<u>Amount</u>	<u>Service Dates</u>	<u>Paid On Bhf #</u>	<u>On Behalf of Name</u>
605	DEPT Total:		47,569.50	Soil Conservation	1 Vendors	1 Transactions
800	DEPT			Social Services Building Complex		
	18327 REIERSON EXCAVATING					
22	01-800-000-0000-6262		420.00	SNOW REMOVAL - JAN		OTHER SERVICES-WELFARE BUILDING
	18327 REIERSON EXCAVATING		420.00		1 Transactions	
800	DEPT Total:		420.00	Social Services Building Complex	1 Vendors	1 Transactions
801	DEPT			Unallocated Revenue		
	8014 HUGOS #7					
9	01-801-000-0000-6801		7.10	WELLNESS PRIZES	1155	MISCELLANEOUS EXPENSE
	8014 HUGOS #7		7.10		1 Transactions	
801	DEPT Total:		7.10	Unallocated Revenue	1 Vendors	1 Transactions
1	Fund Total:		96,607.71	County Revenue		76 Transactions

Pennington County Financial System



ANGIE
2/7/14 3:55PM
3 Road & Bridge

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor No.	Name Account/Formula	Rpt Accr	Amount	Warrant Description Service Dates	Invoice # Paid On Bhf #	Account/Formula Description On Behalf of Name
320	DEPT			Highway Administration		
6350	FLAAGAN/MIKE					
79	03-320-000-0000-6401		4.82	MEALS MEETING BRAINARD 1/21-24		SUPPLIES
6350	FLAAGAN/MIKE		4.82	1 Transactions		
8012	HOFFMAN,DALE & SWENSON, PLLC					
46	03-320-000-0000-6261	AP	200.00	PARTIAL #1 AUDIT		CONSULTING & LEGAL SERVICES
8012	HOFFMAN,DALE & SWENSON, PLLC		200.00	1 Transactions		
8356	HOUSTON ENGINEERING INC					
74	03-320-000-0000-6261		11,904.00	PROJECT DEVELOPMENT SAP 57-603		CONSULTING & LEGAL SERVICES
8356	HOUSTON ENGINEERING INC		11,904.00	1 Transactions		
13368	MN TRANSPORTATION ALLIANCE					
139	03-320-000-0000-6241		1,565.00	2014 DUES		DUES
13368	MN TRANSPORTATION ALLIANCE		1,565.00	1 Transactions		
13197	MODEL LAUNDRY					
103	03-320-000-0000-6262		138.99	SHOP 500 RUGS		OTHER SERVICES
13197	MODEL LAUNDRY		138.99	1 Transactions		
16027	PENNINGTON COUNTY TREASURER					
104	03-320-000-0000-6263		38.47	HOSTED EXCHANGE		COMPUTER SERVICES
105	03-320-000-0000-6263		445.71	IT GLOBAL - FEBRUARY		COMPUTER SERVICES
16027	PENNINGTON COUNTY TREASURER		484.18	2 Transactions		
18065	RELIABLE OFFICE SUPPLY					
100	03-320-000-0000-6401		40.01	CLIPS, MARKERS		SUPPLIES
101	03-320-000-0000-6401		243.46	TIME CLOCK & CARDS		SUPPLIES
102	03-320-000-0000-6401		24.99	TIME CARD HOLDER		SUPPLIES
18065	RELIABLE OFFICE SUPPLY		308.46	3 Transactions		
20027	THE TIMES					
51	03-320-000-0000-6232		77.21	AD PUBLIC HEARINGS		ADVERTISING
20027	THE TIMES		77.21	1 Transactions		
21335	UNIVERSITY OF MINNESOTA					
49	03-320-000-0000-6245		145.00	COUNTY ENGINEER MEETING		CONTINUING EDUCATION

Pennington County Financial System



ANGIE
2/7/14 3:55PM
3 Road & Bridge

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor Name	Rpt	Warrant Description	Invoice #	Account/Formula Description
No. Account/Formula	Accr	Amount	Service Dates	On Behalf of Name
			Paid On Bhf #	
21335 UNIVERSITY OF MINNESOTA		145.00	1 Transactions	
320 DEPT Total:		14,827.66	Highway Administration	9 Vendors 12 Transactions
330 DEPT			Highway Maintenance	
3307 COMMISSIONER OF TRANSPORTATION- 03-330-000-0000-6274		1,293.95	TEST CORE SAMPLES CSAH 17	LAB TESTING
87 3307 COMMISSIONER OF TRANSPORTATION- 03-330-000-0000-6274		1,293.95	1 Transactions	
330 DEPT Total:		1,293.95	Highway Maintenance	1 Vendors 1 Transactions
350 DEPT			Equipment & Maintenance Shop	
1011 ACE HARDWARE				
99 03-350-000-0000-6556		8.00	TRASH BAGS SHOP 211	SHOP SUPPLIES
1011 ACE HARDWARE		8.00	1 Transactions	
1353 AMERICAN TIRE SERVICE CO				
98 03-350-000-0000-6564		157.18	SPARE TIRE	EQUIPMENT REPAIR PARTS
1353 AMERICAN TIRE SERVICE CO		157.18	1 Transactions	
1364 AUTO VALUE				
89 03-350-000-0000-6556		94.56	FIX AIR GUAGE SHOP 211	SHOP SUPPLIES
90 03-350-000-0000-6556		115.68	ACETYLENE, OXYGEN SHOP 500	SHOP SUPPLIES
91 03-350-000-0000-6556		14.95	AIR HOSE REEL STOPPER SHOP 500	SHOP SUPPLIES
96 03-350-000-0000-6556		145.12	BRAKE CLEANER, FLOOR DRY SHOP	SHOP SUPPLIES
88 03-350-000-0000-6564		36.81	FILTERS UNIT 206	EQUIPMENT REPAIR PARTS
92 03-350-000-0000-6564		38.46	SHOE ASSEMBLY UNIT 311	EQUIPMENT REPAIR PARTS
93 03-350-000-0000-6564		16.02	TRAN. FLUID UNIT 302	EQUIPMENT REPAIR PARTS
94 03-350-000-0000-6564		153.77	ANTI GEL SNOW PLOW TRUCKS	EQUIPMENT REPAIR PARTS
95 03-350-000-0000-6564		34.69	URATHANE, ADHESIVE UNIT 204	EQUIPMENT REPAIR PARTS
97 03-350-000-0000-6564		7.47	LIGHT BULB UNIT 285	EQUIPMENT REPAIR PARTS
1364 AUTO VALUE		657.53	10 Transactions	
4313 DEPARTMENT OF MOTOR VEHICLES				
138 03-350-000-0000-6564		432.00	LICENSE FOR VEHICLES	EQUIPMENT REPAIR PARTS
4313 DEPARTMENT OF MOTOR VEHICLES		432.00	1 Transactions	
6006 FARMERS UNION OIL				

Pennington County Financial System



ANGIE
2/7/14 3:55PM
3 Road & Bridge

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Page 13

Vendor	Name	Rpt	Warrant Description	Invoice #	Account/Formula Description
No.	Account/Formula	Accr	Amount	Service Dates	On Behalf of Name
				Paid On Bhf #	
80	03-350-000-0000-6560		3,755.00	DIESEL SHOP 215	GAS & DIESEL
81	03-350-000-0000-6560		5,971.87	DIESEL SHOP 213	GAS & DIESEL
83	03-350-000-0000-6560		12,949.99	GAS & DIESEL SHOP 500	GAS & DIESEL
84	03-350-000-0000-6560		3,381.07	DIESEL SHOP 211	GAS & DIESEL
85	03-350-000-0000-6560		4,091.19	DIESEL SHOP 212	GAS & DIESEL
82	03-350-000-0000-6562		38.47	OIL UNIT 311 & BOLTS UNIT 204	MOTOR OIL & LUBRICANTS
86	03-350-000-0000-6564		128.67	GAS NOZZLE SHOP 500	EQUIPMENT REPAIR PARTS
6006	FARMERS UNION OIL		30,316.26	7 Transactions	
6306	FLEET DISTRIBUTING				
76	03-350-000-0000-6564		17.36	AIR FRESHNERS & ARMORALL 310	EQUIPMENT REPAIR PARTS
6306	FLEET DISTRIBUTING		17.36	1 Transactions	
6344	FLEETPRIDE				
77	03-350-000-0000-6564		376.82	FILTERS FOR EQUIPMENT	EQUIPMENT REPAIR PARTS
78	03-350-000-0000-6564		52.20	AIR FILTER	EQUIPMENT REPAIR PARTS
6344	FLEETPRIDE		429.02	2 Transactions	
8014	HUGOS #7				
144	03-350-000-0000-6556		37.10	SHOP SUPPLIES	SHOP SUPPLIES
8014	HUGOS #7		37.10	1 Transactions	
10008	JOHN DEERE FINANCIAL				
71	03-350-000-0000-6564		65.13	CHAIN UNIT 310	EQUIPMENT REPAIR PARTS
72	03-350-000-0000-6564		148.52	FUEL CONDITIONER UNIT 202 & 20	EQUIPMENT REPAIR PARTS
73	03-350-000-0000-6564		12.72	ORING UNIT 286	EQUIPMENT REPAIR PARTS
10008	JOHN DEERE FINANCIAL		226.37	3 Transactions	
13313	MN DEPARTMENT OF AGRICULTURE				
47	03-350-000-0000-6553		141.50	SPRAY LICENSE-JOE,KEITH,BRIAN	BRUSH & WEED CONTROL CHEMICALS
13313	MN DEPARTMENT OF AGRICULTURE		141.50	1 Transactions	
16356	MN PESTISIDE INFORMATION & EDUCAT				
45	03-350-000-0000-6553		160.00	SPRAY TRAINING - BRIAN	BRUSH & WEED CONTROL CHEMICALS
16356	MN PESTISIDE INFORMATION & EDUCAT		160.00	1 Transactions	
14316	NELSON EQUIPMENT OF TRF INC				
70	03-350-000-0000-6564		40.08	BEARING UNIT 206	EQUIPMENT REPAIR PARTS

Pennington County Financial System



ANGIE
2/7/14 3:55PM
3 Road & Bridge

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor No.	Name Account/Formula	Rpt Accr	Amount	Warrant Description Service Dates	Invoice # Paid On Bhf #	Account/Formula Description On Behalf of Name
14316	NELSON EQUIPMENT OF TRF INC		40.08		1 Transactions	
14387	NELSON INTERNATIONAL OF FARGO					
69	03-350-000-0000-6564		584.63	REPAIR UNIT 310		EQUIPMENT REPAIR PARTS
14387	NELSON INTERNATIONAL OF FARGO		584.63		1 Transactions	
14329	NORTH AMERICAN SALT CO.					
68	03-350-000-0000-6428		855.22	SERVICE FIRE EXTINGUISHERS		SAFETY EQUIPMENT
14329	NORTH AMERICAN SALT CO.		855.22		1 Transactions	
14312	NORTHWEST POWER SYSTEMS					
63	03-350-000-0000-6556		46.43	SHOP 211 & 500 SUPPLIES		SHOP SUPPLIES
64	03-350-000-0000-6564		50.03	HYD HOSE & FITTING UNIT 242		EQUIPMENT REPAIR PARTS
65	03-350-000-0000-6564		6.70	FINTTING UNIT 230		EQUIPMENT REPAIR PARTS
66	03-350-000-0000-6564		15.50	FITTINGS UNIT 203		EQUIPMENT REPAIR PARTS
67	03-350-000-0000-6564		1.40-	CREDIT FOR FITTINGS UNIT 203		EQUIPMENT REPAIR PARTS
14312	NORTHWEST POWER SYSTEMS		117.26		5 Transactions	
15319	O'REILLY AUTOMOTIVE INC					
62	03-350-000-0000-6564		4.59	HEADLANMP UNIT 285		EQUIPMENT REPAIR PARTS
15319	O'REILLY AUTOMOTIVE INC		4.59		1 Transactions	
13318	RDO FINANCIAL SERVICES COMPANY					
57	03-350-000-0000-6564		255.03	TRANS FLUID UNIT 209		EQUIPMENT REPAIR PARTS
58	03-350-000-0000-6564		100.98	FAN BELT UNIT 206		EQUIPMENT REPAIR PARTS
59	03-350-000-0000-6564		566.44	WINDOW UNIT 204		EQUIPMENT REPAIR PARTS
60	03-350-000-0000-6564		1,213.74	EDGE, BOLT UNIT 230		EQUIPMENT REPAIR PARTS
61	03-350-000-0000-6564		245.70	WINDOW UNIT 209		EQUIPMENT REPAIR PARTS
13318	RDO FINANCIAL SERVICES COMPANY		2,381.89		5 Transactions	
18106	RED LAKE COUNTY COOP					
53	03-350-000-0000-6418		833.06	PROPANE SHOP 211		PROPANE FOR HEATING SHOPS
54	03-350-000-0000-6418		3,774.02	PROPANE SHOP 212		PROPANE FOR HEATING SHOPS
55	03-350-000-0000-6418		3,134.56	PROPANE SHOP 213		PROPANE FOR HEATING SHOPS
56	03-350-000-0000-6418		1,562.96	PROPANE SHOP 215		PROPANE FOR HEATING SHOPS
18106	RED LAKE COUNTY COOP		9,304.60		4 Transactions	
19338	STEIGER MFG. CO.					
75	03-350-000-0000-6564	AP	22.72	STRAIGHTEN CLEVIS UNIT 208		EQUIPMENT REPAIR PARTS

Pennington County Financial System



ANGIE
2/7/14 3:55PM

3 Road & Bridge

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Page 15

	<u>Vendor Name</u>	<u>Rpt</u>	<u>Warrant Description</u>	<u>Invoice #</u>	<u>Account/Formula Description</u>
	<u>No. Account/Formula</u>	<u>Accr</u>	<u>Amount</u>	<u>Service Dates</u>	<u>Paid On Bhf #</u>
					<u>On Behalf of Name</u>
	19338 STEIGER MFG. CO.		22.72	1 Transactions	
	20379 THIEF RIVER FORD				
50	03-350-000-0000-6564		11.45	RETAINER UNIT 285	EQUIPMENT REPAIR PARTS
	20379 THIEF RIVER FORD		11.45	1 Transactions	
	20075 THIEF RIVER GLASS CO				
52	03-350-000-0000-6564		275.90	WINDOW SUPPLIES UNIT 209	EQUIPMENT REPAIR PARTS
	20075 THIEF RIVER GLASS CO		275.90	1 Transactions	
	26302 ZEE MEDICAL SERVICE				
48	03-350-000-0000-6428		51.81	FIRST AID SUPPLIES	SAFETY EQUIPMENT
	26302 ZEE MEDICAL SERVICE		51.81	1 Transactions	
350	DEPT Total:		46,232.47	Equipment & Maintenance Shop	22 Vendors 51 Transactions
3	Fund Total:		62,354.08	Road & Bridge	64 Transactions

Pennington County Financial System



ANGIE
2/7/14 3:55PM
32 Solid Waste Facility

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

	<u>Vendor Name</u>	<u>Rpt</u>	<u>Warrant Description</u>	<u>Invoice #</u>	<u>Account/Formula Description</u>	
	<u>No. Account/Formula</u>	<u>Accr</u>	<u>Amount</u>	<u>Service Dates</u>	<u>Paid On Bhf #</u>	<u>On Behalf of Name</u>
390	DEPT			Score Recycling		
	12123 LES'S SANITATION SERVICE					
147	32-390-000-0000-6262		648.00	RECYCLING NEWSPAPERS	620984	OTHER SERVICES-SCORE ACCOUNT
	12123 LES'S SANITATION SERVICE		648.00	1 Transactions		
390	DEPT Total:		648.00	Score Recycling	1 Vendors	1 Transactions
32	Fund Total:		648.00	Solid Waste Facility		1 Transactions

Pennington County Financial System



ANGIE
2/7/14 3:55PM
40 Ditch Funds

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Vendor No.	Name Account/Formula	Rpt Accr	Amount	Warrant Description Service Dates	Invoice # Paid On Bhf #	Account/Formula Description On Behalf of Name
701	DEPT			Judicial Ditch #1		
18331	RED LAKE COUNTY AUDITOR					
39	40-701-000-0000-6262	AP	461.57	2013 SHAREWORK JD #1		OTHER SERVICES - JD #1
18331	RED LAKE COUNTY AUDITOR		461.57	1 Transactions		
701	DEPT Total:		461.57	Judicial Ditch #1	1 Vendors	1 Transactions
711	DEPT			Judicial Ditch #11		
18331	RED LAKE COUNTY AUDITOR					
40	40-711-000-0000-6262	AP	247.48	2013 SHAREWORK JD #11		OTHER SERVICES - JD #11
18331	RED LAKE COUNTY AUDITOR		247.48	1 Transactions		
711	DEPT Total:		247.48	Judicial Ditch #11	1 Vendors	1 Transactions
713	DEPT			Judicial Ditch #13		
18331	RED LAKE COUNTY AUDITOR					
41	40-713-000-0000-6262	AP	86.00	2013 SHAREWORK JD #13		OTHER SERVICES - JD #13
18331	RED LAKE COUNTY AUDITOR		86.00	1 Transactions		
713	DEPT Total:		86.00	Judicial Ditch #13	1 Vendors	1 Transactions
715	DEPT			Judicial Ditch #15		
18331	RED LAKE COUNTY AUDITOR					
42	40-715-000-0000-6262	AP	324.55	2013 SAHREWORK JD #15		OTHER SERVICES - JD #15
18331	RED LAKE COUNTY AUDITOR		324.55	1 Transactions		
715	DEPT Total:		324.55	Judicial Ditch #15	1 Vendors	1 Transactions
731	DEPT			Judicial Ditch #31		
18331	RED LAKE COUNTY AUDITOR					
43	40-731-000-0000-6262	AP	129.28	2013 SHAREWORK JD #31		OTHER SERVICES
18331	RED LAKE COUNTY AUDITOR		129.28	1 Transactions		
731	DEPT Total:		129.28	Judicial Ditch #31	1 Vendors	1 Transactions
760	DEPT			Judicial Ditch #60		
18331	RED LAKE COUNTY AUDITOR					

Pennington County Financial System



ANGIE
2/7/14 3:55PM
40 Ditch Funds

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

	<u>Vendor Name</u>	<u>Rpt</u>	<u>Warrant Description</u>	<u>Invoice #</u>	<u>Account/Formula Description</u>
	<u>No. Account/Formula</u>	<u>Accr</u>	<u>Amount</u>	<u>Service Dates</u>	<u>Paid On Bhf #</u>
					<u>On Behalf of Name</u>
44	40-760-000-0000-6262	AP	96.75	2013 SHAREWORK JD #60	OTHER SERVICES - JD #60
	18331 RED LAKE COUNTY AUDITOR		96.75	1 Transactions	
760	DEPT Total:		96.75	Judicial Ditch #60	1 Vendors 1 Transactions
40	Fund Total:		1,345.63	Ditch Funds	6 Transactions
	Final Total:		160,955.42	95 Vendors	147 Transactions

Pennington County Financial System



Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Recap by Fund	<u>Fund</u>	<u>AMOUNT</u>	<u>Name</u>	
	1	96,607.71	County Revenue	
	3	62,354.08	Road & Bridge	
	32	648.00	Solid Waste Facility	
	40	1,345.63	Ditch Funds	
	All Funds	160,955.42	Total	Approved by,
			
			

ANGIE
2/7/14

3:55PM

Pennington County Financial System



Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Page 1

Print List in Order By: 1
1 - Fund (Page Break by Fund)
2 - Department (Totals by Dept)
3 - Vendor Number
4 - Vendor Name

Explode Dist. Formulas Y

Paid on Behalf Of Name
on Audit List?: N

Type of Audit List: D
D - Detailed Audit List
S - Condensed Audit List

Save Report Options?: N

Pennington County Financial System



ANGIE
2/7/14 3:55PM

Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

1 County Revenue

Vendor No.	Name Account/Formula	Accr	Rpt Amount	Warrant Description Service Dates	Invoice # Paid On Bhf #	Account/Formula Description On Behalf of Name
16	6347 FULTON/JIM 01-251-000-0000-6330		11.20	MEAL - TRANSPORT - MOORHEAD	013114	TRAVEL & EXPENSE
	6347 FULTON/JIM		11.20	1 Transactions		
6	16362 PETERSON/NEIL 01-003-000-0000-6103		65.00	PER DIEM - HWY COMM - TRF	011314	PER DIEMS - BOARD
7	01-003-000-0000-6103		65.00	PER DIEM - SSTS HEARING - TRF	012814	PER DIEMS - BOARD
	16362 PETERSON/NEIL		130.00	2 Transactions		
5	19048 SWANSON/OLIVER (SKIP) 01-003-000-0000-6330		6.83	MEAL - MRCC - GRAND RAPIDS		TRAVEL & EXPENSE
1	01-003-000-0000-6103		65.00	PER DIEM - LIBRARY - TRF	012314	PER DIEMS - BOARD
2	01-003-000-0000-6103		100.00	PER DIEM - ICCC MTG - OKLEE	012714	PER DIEMS - BOARD
3	01-003-000-0000-6103		65.00	PER DIEM - CEPTIC ORD - TRF	012814	PER DIEMS - BOARD
4	01-003-000-0000-6103		100.00	PER DIEM-RADIO BRD-GRAND RAPID	013014	PER DIEMS - BOARD
	19048 SWANSON/OLIVER (SKIP)		336.83	5 Transactions		
8	20307 TVEITBAKK/DARRYL 01-003-000-0000-6103		65.00	PER DIEM - AIRPORT AUTH - TRF	010614	PER DIEMS - BOARD
9	01-003-000-0000-6103		65.00	PER DIEM - HOUSING MTG - TRF	010814	PER DIEMS - BOARD
10	01-003-000-0000-6103		65.00	PER DIEM - PLANNING MTG - TRF	010914	PER DIEMS - BOARD
11	01-003-000-0000-6103		65.00	PER DIEM - AIRPORT AUTH - TRF	011514	PER DIEMS - BOARD
12	01-003-000-0000-6103		65.00	PER DIEM - AIRPORT AUTH - TRF	011714	PER DIEMS - BOARD
13	01-003-000-0000-6103		65.00	PER DEIM - LEC COMMITTEE - TRF	012314	PER DIEMS - BOARD
14	01-003-000-0000-6103		100.00	PER DIEM -LABOR RELATIONS-NMPA	012914	PER DIEMS - BOARD
15	01-003-000-0000-6103		65.00	PER DIEM - CORONER MTG - TRF	013114	PER DIEMS - BOARD
	20307 TVEITBAKK/DARRYL		555.00	8 Transactions		
1 Fund Total:			1,033.03	County Revenue	4 Vendors	16 Transactions
Final Total:			1,033.03	4 Vendors	16 Transactions	

Pennington County Financial System



Audit List for Board COMMISSIONER'S VOUCHERS ENTRIES

Recap by Fund	<u>Fund</u>	<u>AMOUNT</u>	<u>Name</u>
	1	1,033.03	County Revenue
All Funds		1,033.03	Total

Approved by,

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**OFFICIAL PROCEEDINGS
PENNINGTON COUNTY BOARD OF COMMISSIONERS
TUESDAY, JANUARY 28, 2014, 5:00 P.M.**

Pursuant to adjournment, the Pennington County Board of Commissioners met in the Pennington County Board Room in Thief River Falls, MN, on Tuesday, January 28th, 2014 at 5:00 p.m. Members present: Donald Jensen, Neil Peterson, Cody Hempel, Oliver “Skip” Swanson, and Darryl Tveitbakk. Members absent: None.

The Pledge of Allegiance was recited.

Ken Yutzenka, Human Services Director presented the consent agenda from the January 21, 2014 Human Service Committee meeting and recommends its adoption. On a motion by Commissioner Hempel and seconded by Commissioner Tveitbakk, the following recommendations of the Pennington County Human Service Committee for January 21, 2014 are hereby adopted. Motion unanimously carried.

SECTION A

1. To approve the December 17, 2013 Human Service Committee meeting minutes as presented.

SECTION B

2. To approve payment of the Agency’s bills.

County Assessor Adeline Olson presented Abatement Applications for Helen Walseth, Wayne Fast, Anthony Rhode, Andrew & Megan Bourne and Clyde Christensen.

Moved by Commissioner Hempel, seconded by Commissioner Jensen to approve the Special Homestead Classification for the Blind/Disabled for Helen (Hollie) Walseth parcel #25.00315520 for taxes payable years 2012, 2013 & 2014 resulting in an abatement of tax for these years. Motion unanimously carried.

Moved by Commissioner Swanson, seconded by Commissioner Jensen to approve the abatement application of Wayne and Cynthia Fast parcel # 19.00905614 for the 2014 tax to reflect the value exclusion for veteran’s classification. Motion unanimously carried.

Moved by Commissioner Swanson, seconded by Commissioner Tveitbakk to approve the abatement application for Anthony Rhode, Parcel # M19.09131600, to reduce the tax payable for 2013 due to a fire that destroyed the manufactured home on March 24th, 2013. Motion unanimously carried.

Moved by Commissioner Swanson, seconded by Commissioner Jensen to approve the abatement application of Andrew & Megan Bourne, parcel #16.04900310, for the 2014

tax amount to reflect the market value exclusion for veteran's classification. Motion unanimously carried.

Moved by Commissioner Jensen, seconded by Commissioner Swanson to approve the application of abatement for the Clyde Christensen property, parcel #19.00401600, reducing the value of the parcel for taxes payable 2014 due to the value of the parcel for taxes payable 2014 due to the grain storage bins destroyed by high wind on July 12th, 2013. Motion unanimously carried.

The County Board discussed an open position on the Inter County Nursing Service Board. They will bring recommendations to a future meeting.

Commissioner Tveitbakk moved, seconded by Commissioner Hempel to issue a duplicate warrant to Scent Detection Services for \$250 to replace the lost warrant #170173 dated 11-27-2013 without issuing an indemnifying bond. Motion carried.

County Sheriff, Ray Kuznia met with the County Board to discuss items related to the Sheriff Office and the Law Enforcement Center. The Sheriff asked that the County Board review the Civil Process Fees currently charged for possible action on changing these fees at the next County Board meeting.

Moved by Commissioner Hempel, seconded by Commissioner Tveitbakk to approve the purchase of two personal computers for the Sheriff's department as proposed by Insight Technologies. Motion unanimously carried.

Ray Kuznia then discussed problems with the Code Red weather warning system. He is discussing these problems with the company and expects some changes coming soon.

County Engineer Mike Flaagan presented the proposal from RTVision for the Work Central Software. This software was designed so that a record would be kept on the computer of when and what work was done in any area of the County. Commissioner Hempel moved, seconded by Commissioner Jensen to approve the purchase of the Work Central Software from RTVision as proposed. Motion unanimously carried.

Joe Hedrick, Thief River Falls Regional Airport Manager gave a report on Great Lakes Airlines decision to suspend passenger service at the airport. The decision was made as a result of new FAA regulations for pilots. Mr. Hedrick pointed out that Thief River Falls is an essential air service market and that there is a mandate to provide passenger air service. Great Lakes may again provide passenger air service once they have reduced the number of seats available so that they would fall under different FAA regulations.

Commissioner Hempel moved, seconded by Commissioner Jensen to approve payment of the Human Service warrants totaling \$218,686.87, the Auditor and Manual warrants for December 2013 totaling \$836,196.35, and the following Commissioner warrants. Motion carried.

WARRANTS

County Revenue	\$66,622.64
Road & Bridge	\$44,888.06
Solid Waste Facility	\$ 7,539.73
Ditch Funds	\$ 3,515.00

Commissioner Hempel moved, seconded by Commissioner Tveitbakk to approve the minutes of January 7th, 2014 as written. Motion carried.

Moved by Commissioner Tveitbakk, seconded by Commissioner Hempel, to approve the Funds Transfer Agreement and Authorization with Northern State Bank designating Kenneth Olson Pennington County Auditor-Treasurer as the authorized official to initiate wire transfers on behalf of Pennington County. Motion unanimously carried.

Commissioner Tveitbakk moved, seconded by Commissioner Jensen to change the starting time of the February 25th, 2014 County Board meeting from 5:00 p.m. to 8:00 a.m. to allow travel time for the Commissioners attending the Local Government Legislative Conference. Motion unanimously carried.

Moved by Commissioner Tveitbakk, seconded by Commissioner Hempel to hold an Economic Development Tax Abatement Hearing at 11:00 a.m. on February 11th, 2014 on the following properties approved by the Thief River Falls City Council. Michael and Nicole Wienen parcel #25.06401620, Michael and Amanda Torma parcel #25.06402020 and Jason and Lacey Simoneau parcel #25.06401920. Motion unanimously carried.

The County Board then took time to prioritize legislative issues for the Minnesota Rural Counties Caucus. Moved by Commissioner Jensen, seconded by Commissioner Tveitbakk to select the following three issues as priorities for MRCC in 2014. Motion carried.

- Transportation – Bonding Bill
- Transportation – Highway Funding
- Natural Resources – Greater MN Regional Parks & Trails

The following resolution was introduced by Commissioner Tveitbakk, seconded by Commissioner Hempel and upon vote was unanimously carried.

A RESOLUTION SUPPORTING LEGISLATION ALLOWING COUNTIES TO DESIGNATE THEIR COUNTY WEBSITE TO PUBLISH PUBLIC NOTICES

WHEREAS, counties are currently required by law to publish public notices in a designated official newspaper for the county (Minn. Stat. § 331A); and

WHEREAS, counties are committed to providing information to citizens and increasing access to information about county operations and business; and

WHEREAS, citizens expect and demand information in an immediate format, and

WHEREAS, counties have limited resources and must utilize tax dollars in the most efficient way possible; and

WHEREAS, counties should have the authority to determine the best and most efficient method of communicating information to citizens based on citizen expectations; and

WHEREAS, counties are continuously improving and investing in technology to reach more citizens in a timely manner; and

WHEREAS, utilizing county websites to publish public notices would eliminate the time and costly burden of publishing in newspapers; and

WHEREAS, county websites are increasingly the first place citizens look for information about their counties; and

WHEREAS, the ability of county websites to provide citizens with up-to-date, detailed information exceeds that of print media

NOW THEREFORE BE IT RESOLVED, that the Pennington County Board of Commissioners supports HF 1286 and SF 1152, legislation now before the 2014 legislature that would allow counties to publish certain public notices on their websites instead of, or in addition to, in an official newspaper.

Moved by Commissioner Hempel, seconded by Commissioner Tveitbakk to offer lease of gymnasium time to School District #564 at a rate of \$7.50/hour. Motion carried.

It was noted that the City of Thief River Falls requests a meeting with representatives of the County Board to discuss law enforcement, dispatch and emergency management with the goal to explore collaborations between the Police and Sheriff's departments. The Law Enforcement Committee members will attend the meetings.

The following hearings are scheduled:

Sewage and Wastewater Treatment Ordinance	6:30 p.m. January 28 th , 2014
Railroad Crossing Closing Hearing	11:00 a.m. February 6 th , 2014
County Ditch #36 Hearing	1:00 p.m. February 6 th , 2014

Commissioner Hempel moved, seconded by Commissioner Tveitbakk to adjourn to 10:00 a.m. February 11th, 2014. Motion carried.

ATTEST:

Kenneth Olson, Auditor-Treasurer
Pennington County

Neil Peterson, Chairman
Board of Commissioners

**PUBLIC HEARING
SEWAGE AND WASTEWATER TREATMENT ORDINANCE
TUESDAY, JANUARY 28TH, 2014, 6:30 P.M.**

Members present: Cody Hempel, Donald Jensen, Neil Peterson, Oliver “Skip” Swanson, and Darryl Tveitbakk. Members absent: none.

Also present: Kermit Genereux, Andy Dessellier, Jerry Hasnedl, John Tofte, Jay Tunheim, Kim Tunheim, Marlin Mattson, Diedre Nordin, Duane Vatsaas, Dale Koop, Stu Peterson, Wayne Johnson, Al Hugg, Faye Auchenpaugh, Joyce Burkel, Ben Owen, Maryel Anderson, Nancy Tofte, Dennis Wilkens, Gerald Hermreck, Mike Cerny, Allyn Roley, Scott DCamp, Ron Kalinowski, Ann Hasnedl, Jeremiah Hasnedl, Kenneth Olson, Al Rogalla, Bryan Malone and Peter Nelson.

The hearing was called to order by County Board Chairman Neil Peterson. It was explained that the purpose of the meeting was to review the amendments to the current Sewage and Wastewater Treatment Ordinance. Chairman Peterson then called on Peter Nelson, Pennington County Soil and Water Conservation District to review the changes to the Ordinance.

Mr. Nelson then informed those present that the State of Minnesota is requiring an update to the ordinance due to rule changes. Mr. Nelson then reviewed the changes to the ordinance and responded to questions from those in attendance.

Some of the concerns addressed:

- Will trenches be allowed? Yes but you will need a design form a licensed designer.
- How many different licenses are there? Designer License, Installer License, Inspector License and Maintainer-Pumper License.
- Point of Sale – There was a lot of concern that it would be required to have a Sewage System Inspection when someone wants to sell their property. There is no requirement for this in the ordinance. It was also discussed that the buyers financing agencies are requiring this inspection more often than before.
- Discussion was held on when a change to the sewage treatment system would be required when adding an addition to a present structure. An example of someone adding an office space to their home shouldn't be required to update their sewage treatment system.
- Why was the term potable water changed to ground water?
- Then there was discussion on what the permit fee should be with a suggestion of \$100 with a discount if the owners watched a training film on maintaining a septic system.

Chairman Peterson then stated that the County will take addition comments on the Ordinance until February 11th, 2014.

The Hearing was adjourned at 7:45 p.m.

ATTEST:

Kenneth Olson, Auditor-Treasurer
Pennington County

Neil Peterson, Chairman
Board of Commissioners