



DEPARTMENT OF THE ARMY
ST. PAUL DISTRICT, CORPS OF ENGINEERS
SIBLEY SQUARE AT MEARS PARK
190 FIFTH STREET EAST, SUITE 401
ST. PAUL MN 55101-1638

April 17, 2008

Planning, Programs, and Project Management Division
Environmental and Economic Analysis Branch

SUBJECT: Environmental Assessment – Section 154, Upper St. Croix Sanitary District
Wastewater Collection Systems Improvement Project, Douglas County, Wisconsin

Dear Interested Parties:

Enclosed for your review are the Draft Environmental Assessment and Draft Finding of No Significant Impact (FONSI) for a proposal to repair and upgrade the low pressure waste collection system around Upper St. Croix Lake. The work would consist of replacing the deteriorating components of the 144 waste collection pump stations within the system. The components to be replaced include black iron pipe rods, flanges and pump guiderails and ancillary components connecting the pumps to the existing collection system with stainless steel components. The electrical components for each pump station would also be replaced. This assessment was completed to satisfy the requirements of the National Environmental Policy Act (NEPA) of 1969, Council on Environmental Quality regulations (40 CFR 1500-1508), and Corps of Engineers regulations (ER 200-2-2).

An environmental review indicates that the impacts associated with the proposed action would not significantly affect the quality of the human environment. Therefore, an environmental impact statement will not be prepared.

We are distributing this report to concerned agencies, interest groups, and individuals. Because of the need to expedite the repairs as soon as possible, please provide any comments you have on the proposed action within 15 days.

If you have questions about the project, please call Mr. Randall Devendorf at (651) 290-5267. Please address all correspondence on this project to the Chief, Environmental and Economic Analysis Branch, St. Paul District, Corps of Engineers, 190 Fifth Street East, Suite 401, St. Paul, Minnesota 55101-1638.

Sincerely,

A handwritten signature in black ink, appearing to read "Terry J. Birkenstock", with a long horizontal line extending to the right.

Terry J. Birkenstock
Chief, Environmental and
Economic Analysis Branch

Enclosure

DRAFT

ENVIRONMENTAL ASSESSMENT

**UPPER ST. CROIX LAKE SANITARY DISTRICT
WASTEWATER COLLECTION SYSTEMS
IMPROVEMENT PROJECT
DOUGLAS COUNTY, WISCONSIN**

Northern Wisconsin Environmental Infrastructure and
Resource Protection and Development Program

**U.S. ARMY CORPS OF ENGINEERS
ST. PAUL DISTRICT**

April 2008

**DRAFT
ENVIRONMENTAL ASSESSMENT**

**UPPER ST. CROIX LAKE SANITARY DISTRICT
WASTEWATER COLLECTION SYSTEMS
IMPROVEMENT PROJECT
DOUGLAS COUNTY, WISCONSIN**

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**DRAFT
ENVIRONMENTAL ASSESSMENT**

**UPPER ST. CROIX LAKE SANITARY DISTRICT
WASTEWATER COLLECTION SYSTEMS
IMPROVEMENT PROJECT
DOUGLAS COUNTY, WISCONSIN**

1.0 PURPOSE, NEED, AND AUTHORITY FOR THE PROPOSED PROJECT

1.1 The village of Solon Springs is located in northwestern Wisconsin in Douglas County, approximately 150 miles northeast of Minneapolis/St. Paul, Minnesota and approximately 32 miles southeast of Superior, Wisconsin (figure 1). The 2000 population of Solon Springs is 576, an increase of 0.17 percent from 1990. The 2000 population of Douglas County is 43,287, an increase of 3.7 percent from 1990.

1.2 Upper St. Croix Lake is the headwaters of the St. Croix River. In the 1980s residents responded to the lake water quality problems created by the universal reliance upon individual septic systems for wastewater treatment by forming a sanitary district. The Upper St. Croix Lake Sanitary District was officially formed in 1988. The District's goal was to return Upper St. Croix Lake to its original pristine condition found when the area was first settled. To do this, the sanitary district designed and constructed a low pressure sewer system that pumps wastewater from residences around the lake to treatment ponds operated by the village of Solon Springs, Wisconsin. The system consists of 144 sewage collection basins with grinder pumps, control panels and electrical distribution boxes (figure 2). The system comprises over 8 miles of sewer lines and serves approximately 287 families.

1.3 The original collection basin system was constructed using components that were not appropriate for existing conditions, causing the sanitary district to experience problems with the system. The problems with the components include corrosion, with holes developing in a small, 2-inch piece of iron pipe that is located on each pump. These holes allow sewage to reenter the pump basin after it has been "pumped out." This situation causes the pumps to run nearly continuously. The sewage becomes super heated after repeatedly being pumped. The pumps are designed to be cooled by the sewage, rather than heated by it. The heat and subsequent steam can cause structural damage to the pumps and the basins themselves. Continuous operation in this manner also has caused damage to the control panels. Ultimate failure of a basin would allow raw, untreated sewage to enter into Lake St. Croix.

1.4 The control panels on the original system were designed in the 1980s before digital components were available. These parts are obsolete, and the sanitary district is no longer able to find replacement parts for them. These original components do not have the capability to monitor or detect problems caused by the corroded pipes mentioned above. As such, the sanitary district typically finds out about the problems through visual detection. If these control panels fail, the system has no back up control.

1.5 The authority for this project is found in Section 154 of the Consolidated Appropriations Act of 2002 (Environmental Infrastructure program) which directs the Secretary of the Army to “establish a pilot program to provide environmental assistance to non-Federal interests in northern Wisconsin.”

Relationship to Environmental Requirements

1.6 The proposed action would comply with all applicable Federal environmental laws, executive orders, and policies, and State and local laws and policies including the Clean Air Act, as amended; the Clean Water Act of 1977, as amended; the Endangered Species Act of 1973, as amended; the Land and Water Conservation Fund Act of 1965, as amended; the National Environmental Policy Act of 1969, as amended; the Fish and Wildlife Conservation Act of 1958, as amended; the National Wildlife Refuge System Administration Act; Executive Order 11988 - Floodplain Management; and Executive Order 11990 - Protection of Wetlands. The proposed action would not result in the conversion of farmland to non-agricultural uses. Therefore, the Farmland Protection Policy Act of 1981 does not apply to this project.

2.0 PROPOSED AND ALTERNATIVE ACTIONS

2.1 Proposed Action

The Section 154 functional project is the replacement of deteriorating components on the 144 grinder pumps within the sanitary district. These components will include the black iron pipe rods, flanges and pump guiderails and ancillary components connecting the pumps to the existing collection system. A schematic of a typical collection basin is shown in figure 3 and a picture of a typical installation is shown in figure 4. These components will be replaced with stainless steel components. The project will also include the replacement of electrical control panels for each pump station. During replacement of the components, the grinder pumps will be tested. It is anticipated that this testing will identify approximately 10 grinder pumps that will also be replaced as part of the functional project.

2.2 Alternatives Considered

The No Action alternative was considered but rejected because it would not correct the problems caused by the deteriorated components of the existing collection system. The No Action alternative could result in the failure of portions of the existing systems, which is an unacceptable condition.

3.0 AFFECTED ENVIRONMENT AND ENVIRONMENTAL CONSEQUENCES

3.1 Climate – The climate of the region is typical of northern Wisconsin – warm summers (average temperature 65 to 95 °F) with moderate rainfall; cold winters (average temperature - 20 to 20 °F) with snow averaging 80 inches a season.

3.2 Vegetation – Vegetation around Upper St. Croix Lake is a mix of forested wetlands, wetlands, grassland, and deciduous/coniferous forests. Vegetation in the immediate areas of work are grassed and mowed right of ways. The project would not require the disturbance or removal of any grass, trees or shrubs.

3.3 Wetlands – Extensive wetlands typical of headwater areas of streams are present around general project area. There are no wetlands in the immediate project area that would be affected by the work activities.

3.4 Wildlife – Wildlife species typical of this region include white-tailed deer, fox, raccoon, rabbit, muskrat, beaver, numerous species of waterfowl and wide variety of songbirds. As all work would be done within existing pump basins, no impacts are expected to the wildlife.

3.5 Fish – Common game fish species present in Upper St. Croix Lake include walleye, northern pike, largemouth bass and a variety of panfish. The proposed project would have no impact on the fisheries resource.

3.6 Water Quality – Rehabilitating the existing waste collection system would help to ensure that a failed waste collection system does not degrade the water quality of Upper Lake St. Croix. A National Pollutant Discharge Elimination System (NPDES) point source permit is not required for this project. No construction activity is planned within any streams or rivers. The proposed work activities would not generate any runoff and would have no adverse effect on water quality.

3.7 Endangered Species – Three federally protected species can be found in the Douglas County: the threatened Canada lynx (*Lynx canadensis*), the endangered Kirtland's warbler (*Dendroica kirtlandii*) and the endangered piping plover (*Charadrius melodus*). Because of the existing semi-residential conditions present in the work areas, the proposed activities would result in no impact on these species. On the basis of the analysis of existing conditions and proposed actions, it is the determination of the Corps of Engineers that the proposed actions would have no impact on federally listed protected species.

3.8 Employment – Solon Springs's labor force totaled 280, according to 2000 census figures, with an unemployment rate of 9.6 percent. Employment by industry in Solon Springs is lead by recreation, accommodation and food services, which accounts for 15.0 percent of total employment; closely followed by education, health and social services at 14.6 percent; retail trade at 13.8 percent; and manufacturing at 13.4 percent. The actions proposed for the collection system are located within residential areas. The actions should have no impact on the employment conditions.

3.9 Cultural Resources – This project would take place within the right-of-way of the existing structures that have previously been disturbed. No excavation would be required for the repairs. No impacts are expected (Attachment 3).

3.10 Floodplain – The proposed project area is located out of the floodplain, and the project would have no impact on this resource.

3.11 Farmland – The proposed project would take place in a developed setting and would not have an impact on any farmland.

3.12 Recreation Resources – The proposed project would not have a negative effect on the recreational resources of the area.

3.13 Watercourses – The proposed project would not affect any Section 10 navigable waters and would not alter or modify any navigable watercourse.

3.14 Storm Water – The proposed project would have no impact on storm water runoff.

3.16 Air – The proposed repair activities would have no effect on air quality.

3.17 Hazardous Waste – No hazardous waste be generated due to the repair activities.

3.19 Drinking Water – This project would have no effect on the drinking water.

3.20 Noise - The repair of the collection components of this project would be done in areas of low population density, and no large or noisy equipment would be needed to accomplish the task. No significant changes from the ambient noise level would be expected.

4.0 COORDINATION

4.1 The Corps of Engineers has coordinated the proposed project with the Wisconsin State Historic Preservation Officer. It is expected that the WI SHPO will concur with the Corps determination of no effect.

4.2 This assessment has been sent to the U.S. Fish and Wildlife Service (FWS), the U.S. Environmental Protection Agency (EPA), and the Wisconsin Department of Natural Resources (DNR). The document has also been made available to other Federal and State agencies and the interested public for review and comment

5.0 MAJOR FINDINGS AND CONCLUSIONS

5.1 The adverse impacts upon the affected environment would be negligible and short lived. There may be minor, temporary increases in noise at each site during repair activities. With the completion of the construction, these would disappear.

5.2 This Environmental Assessment has been prepared in accordance with the National Environmental Policy Act (NEPA); the Council on Environmental Quality - *Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act* (40 CFR Parts 1500-1508); and the Corps of Engineers - *Policy and Procedure for Implementing NEPA* (33 CFR Part 230).

5.3 This Environmental Assessment concludes that 1) there are no significant cumulative or long-term adverse environmental impacts associated with the collection system repairs; and 2) the project does not constitute a major Federal action significantly affecting the quality of the human environment.

ATTACHMENT 1

Figures

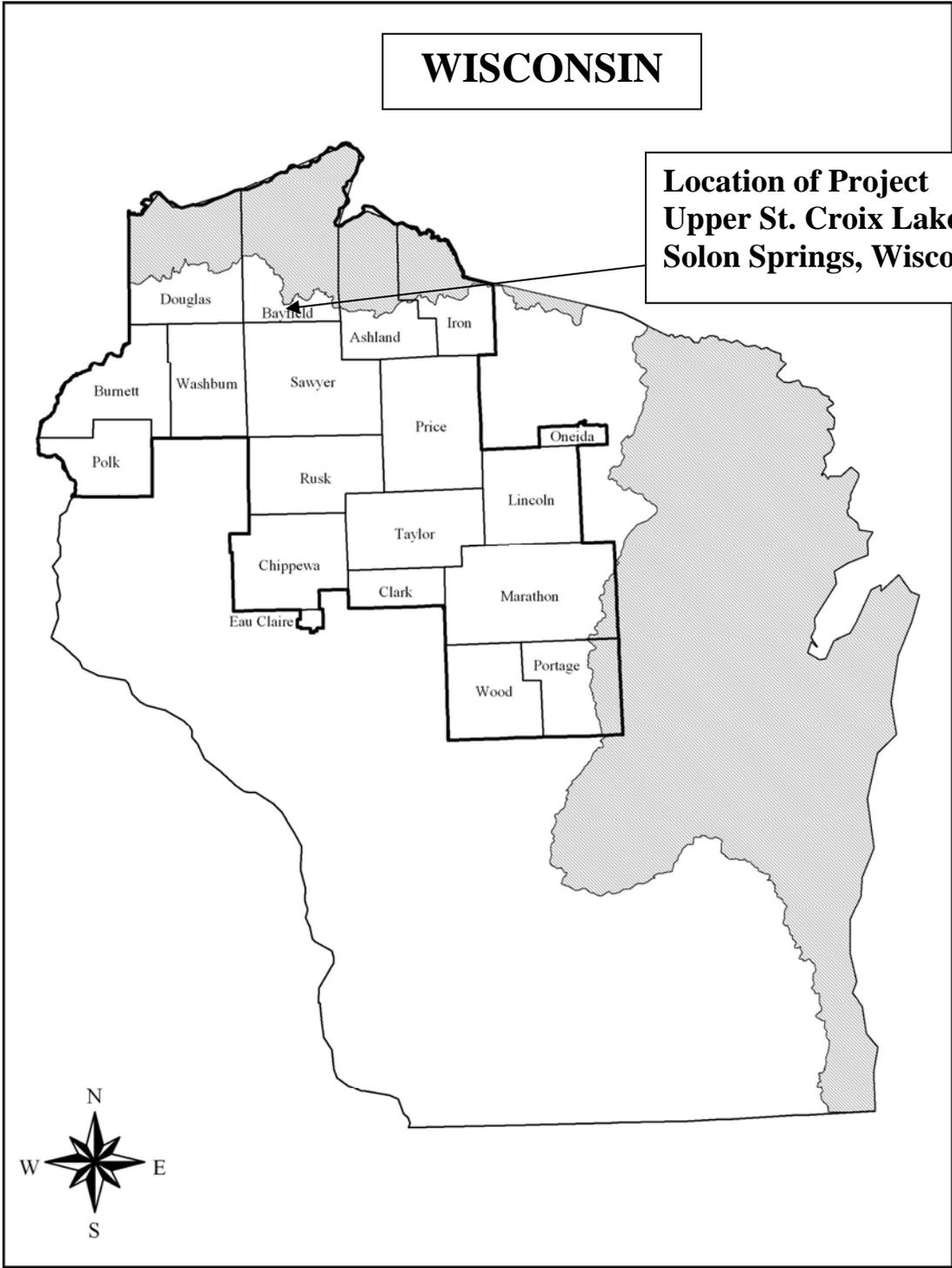
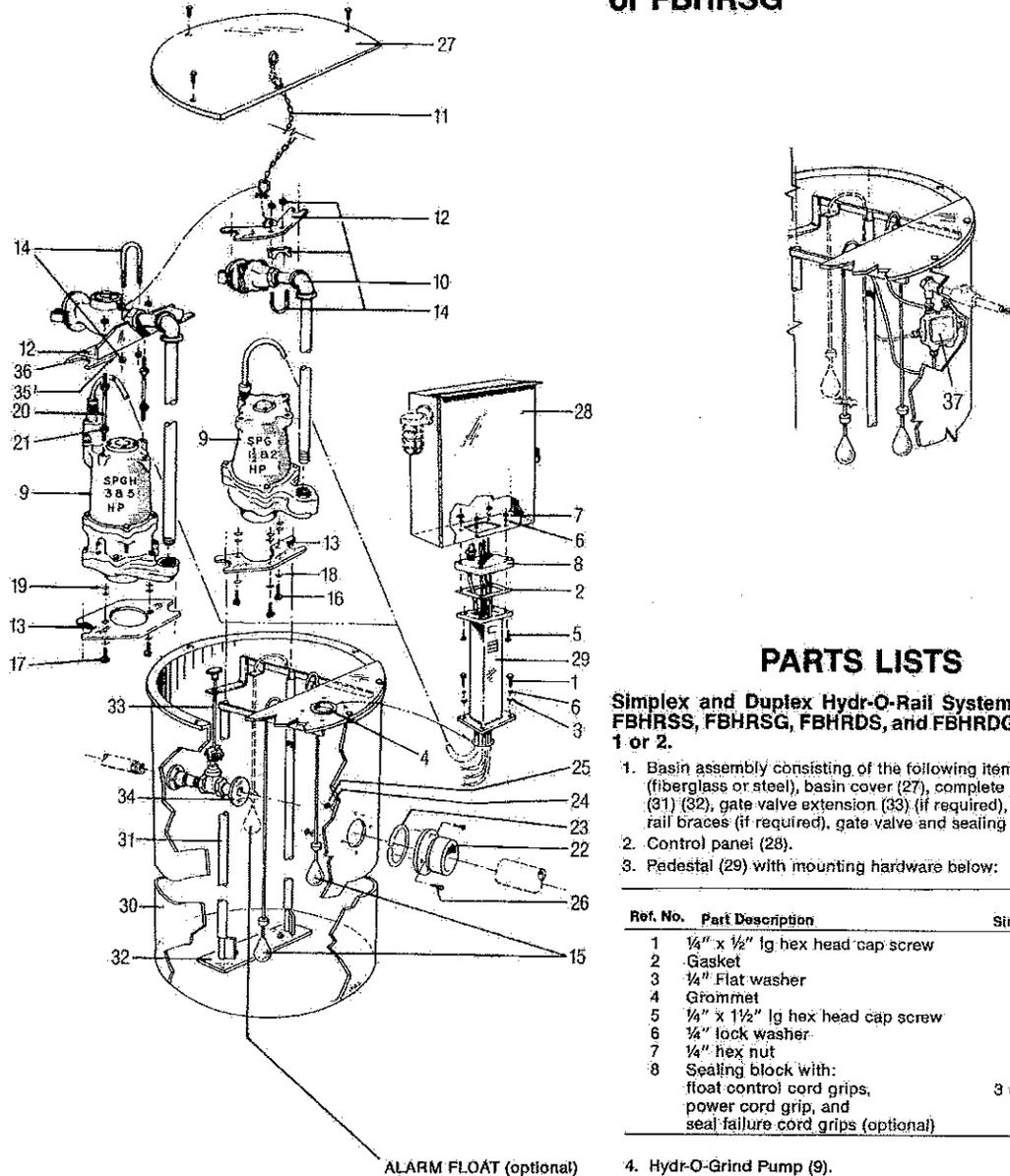


Figure 1

Figure 3

**SIMPLEX
HYDR-O-RAIL
SYSTEM
Model FBHRSS
or FBHRSG**



PARTS LISTS

Simplex and Duplex Hydr-O-Rail Systems (models FBHRSS, FBHRSG, FBHRDS, and FBHRDG). See Fig. 1 or 2.

1. Basin assembly consisting of the following items: basin (30) (fiberglass or steel), basin cover (27), complete rail assembly (31) (32), gate valve extension (33) (if required), intermediate rail braces (if required), gate valve and sealing flange (34).
2. Control panel (28).
3. Pedestal (29) with mounting hardware below:

Ref. No.	Part Description	Quantity	
		Simplex	Duplex
1	1/4" x 1/2" lg hex head cap screw	4	4
2	Gasket	1	1
3	1/4" Flat washer	4	4
4	Grommet	1	1
5	1/4" x 1 1/2" lg hex head cap screw	4	4
6	1/4" lock washer	8	8
7	1/4" hex nut	4	4
8	Sealing block with:		
	float control cord grips,	3 (Std)	4 (Std)
	power cord grip, and	1	2
	seal failure cord grips (optional)	1	2

4. Hydr-O-Grind Pump (9).



Figure 4: View of a typical collection basin. Repair would involve opening manhole and repairing components.

ATTACHMENT 2

Correspondence



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY

ST. PAUL DISTRICT, CORPS OF ENGINEERS

150 FIFTH STREET EAST

ST. PAUL, MN 55101-1638

March 19, 2008

Planning, Programs and Project Management Division
Environmental and Economic Analysis Branch

SUBJECT: Northern Wisconsin Section 154 Environmental Infrastructure Program, Proposed
Wastewater Collection Systems Improvement Project at Upper St. Croix Lake
near Solon Springs, Douglas County, Wisconsin

Mr. Sherman Banker
Compliance Archeologist
Division of Historic Preservation
State Historical Society of Wisconsin
816 State Street
Madison, Wisconsin 53706-1482

Dear Mr. Banker:

The Upper St. Croix Lake Sanitary District (Sanitary District) is proposing to make improvements to its wastewater collection system at Upper St. Croix Lake in Douglas County, Wisconsin (Figure 1). The Sanitary District requested the assistance of the St. Paul District, U.S. Army Corps of Engineers (Corps) under Section 154, the Northern Wisconsin Environmental Infrastructure and Resource Protection and Development Program. Under Section 154, the Corps will fund 75 percent of the project and the Sanitary District the remaining 25 percent, thus Section 106 of the National Historic Preservation Act comes into play as this becomes a federal undertaking. The project will take place at various locations in the SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 13, the E $\frac{1}{2}$, Section 24, and the E $\frac{1}{2}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 25, Township 45 North, Range 12 West and the S $\frac{1}{2}$ and SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 18, the NW $\frac{1}{4}$ NE $\frac{1}{4}$ and W $\frac{1}{2}$, Section 19, and the NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 30, Township 45 North, Range 11 West, Douglas County (red X's on Figure 2).

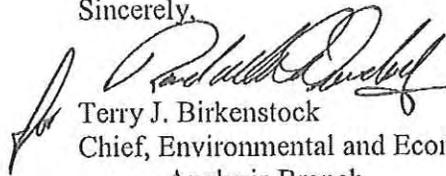
In 1988 the residents around Upper St. Croix Lake formed the Upper St. Croix Lake Sanitary District and acquired funds from the Environmental Protection Agency and the Farmers Home Administration to install over eight miles of sewer lines around the lake to individual properties. Grinder pumps, control panels, and electrical distribution boxes were installed on the individual properties. The grinder pumps were connected to the Sanitary District's sewer lines which were in turn connected to the village of Solon Springs sanitary sewer collection and treatment system. Black iron pipe was used for the rods, flanges, and pump guiderails at each pump location. This black iron pipe has experienced rapid deterioration causing problems with the system.

The Section 154 wastewater collection system improvement project involves replacing the black iron pipe rods, flanges, and guiderails with stainless steel ones and replacing the components connecting the grinder pumps to the Sanitary District's sewage lines. The electrical control panel for each grinder pump will also be replaced. During replacement of these components, the grinder pump will be tested. Because repair parts for the installed pumps are no longer available, it is anticipated that approximately 10 grinder pumps will need to be replaced as part of this project. All work will be at or inside the sewage collection basins at the 144 grinder pump locations. No new areas will be disturbed.

As of March 14, 2008, there are no National Register of Historic Places listed properties in the project area. The Brule-St. Croix Portage (47DG112) was listed on the National Register on October 15, 1970 under criterion A. It is located along St. Croix Creek in Sections 17 and 9, T45N, R11W, northeast of the original collection system and Section 154 project areas (Figure 3). The Section 154 project work locations in Section 24, T45N, R12W south of South Stone Road lie within the boundaries of the Fort St. Croix site (47DG152) and the work locations in the S½SE¼NE¼, Section 25, T45N, R12W on the east side of the lake lie within the boundaries of prehistoric campsite 47DG13 (Figure 3). Neither of these two archeological sites have had their National Register eligibility evaluated.

Considering that the pump and component replacement work will take place within existing sewage collection basins, which areas were disturbed when the basins and pumps and original sewage collection system was installed in 1988, the Corps believes that there will be no effect on historic properties, or to unevaluated sites 47DG152 and 47DG13, as a result of the proposed wastewater collection system improvements work. The Corps hereby requests your concurrence with this no effect determination. Please provide your response to the Corps by April 21, 2008. If you have any questions, please contact Ms. Virginia Gnabasik, Corps archeologist, at (651) 290-5262 or by email at virginia.r.gnabasik@usace.army.mil.

Sincerely,


Terry J. Birkenstock
Chief, Environmental and Economic
Analysis Branch

Enclosures
3 figures
Request for Comment Form

REQUEST FOR SHPO COMMENT AND CONSULTATION ON A FEDERAL UNDERTAKING

Submit one copy with each undertaking for which our comment is requested. Please print or type. Return to:

Wisconsin Historical Society, Division of Historic Preservation, Office of Preservation Planning, 816 State Street, Madison, WI 53706

Please Check All Boxes and Include All of the Following Information, as Applicable:

I. GENERAL INFORMATION

- Form fields for general information including: This is a new submittal (checked), supplemental information, federal agency jurisdiction (St. Paul District, U.S. Army Corps of Engineers), contact persons (Virginia Gnabasik), project name (Upper St. Croix Lake Section 154 Wastewater Collection System Improvement Project), and project location (Douglas County, Solon Springs).

II. IDENTIFICATION OF HISTORIC PROPERTIES

- Form fields for historic properties: checked box indicating historic properties are located within the project APE per 36 CFR 800.4.

III. FINDINGS

- Form fields for findings: checked box indicating no historic properties will be affected (i.e., none is present or there are historic properties present but the project will have no effect upon them).

Authorized Signature: Virginia Gnabasik Date: 3/19/2008
Type or print name: VIRGINIA GNABASIK

IV. STATE HISTORIC PRESERVATION OFFICE COMMENTS

- Form fields for state historic preservation office comments: three unchecked boxes for 'Agree with the finding in section III above', 'Object to the finding for reasons indicated in attached letter', and 'Cannot review until information is sent as follows:'.

Authorized Signature: Date:

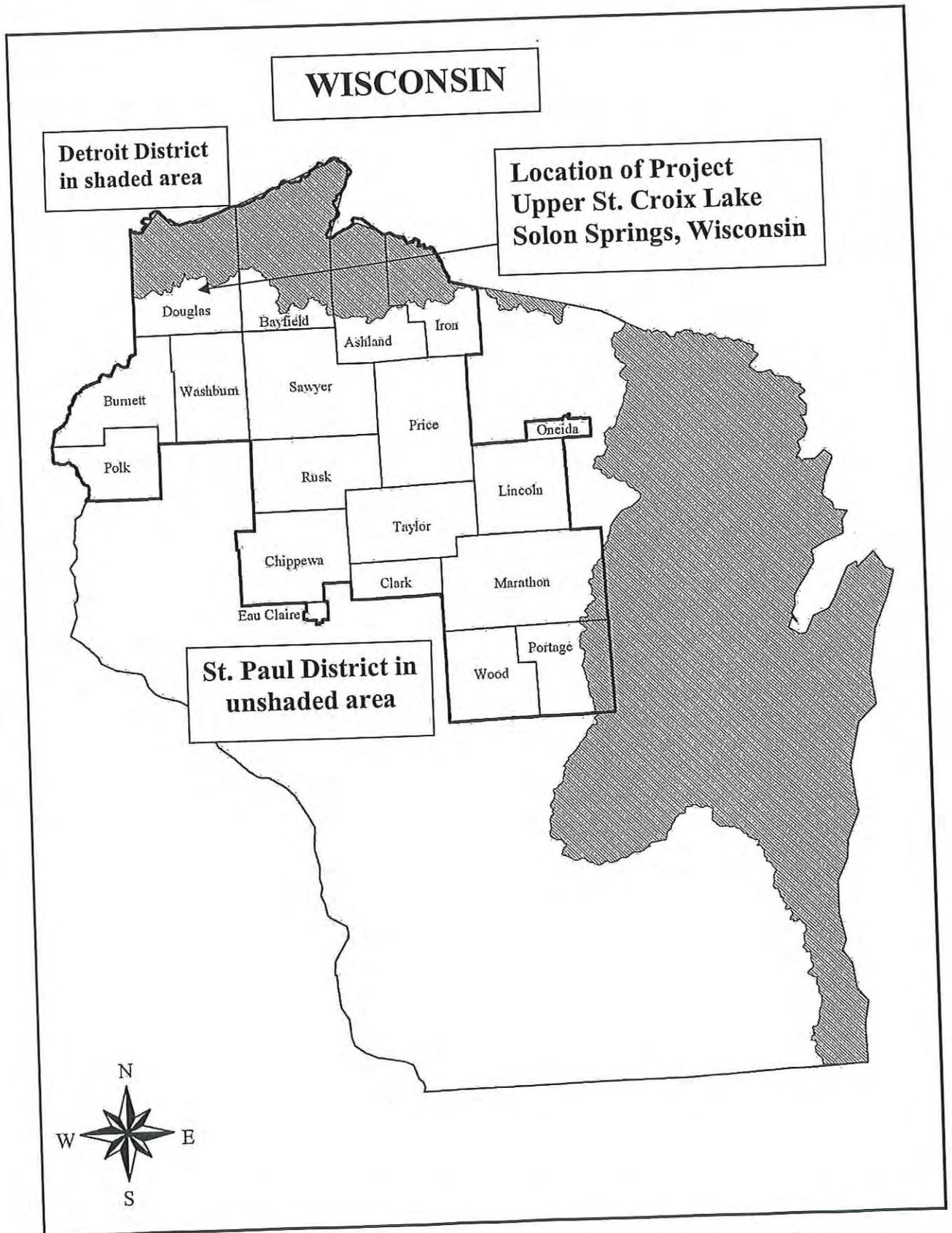


Figure 1. General location of Upper St. Croix Lake Section 154 wastewater collection system improvement project.

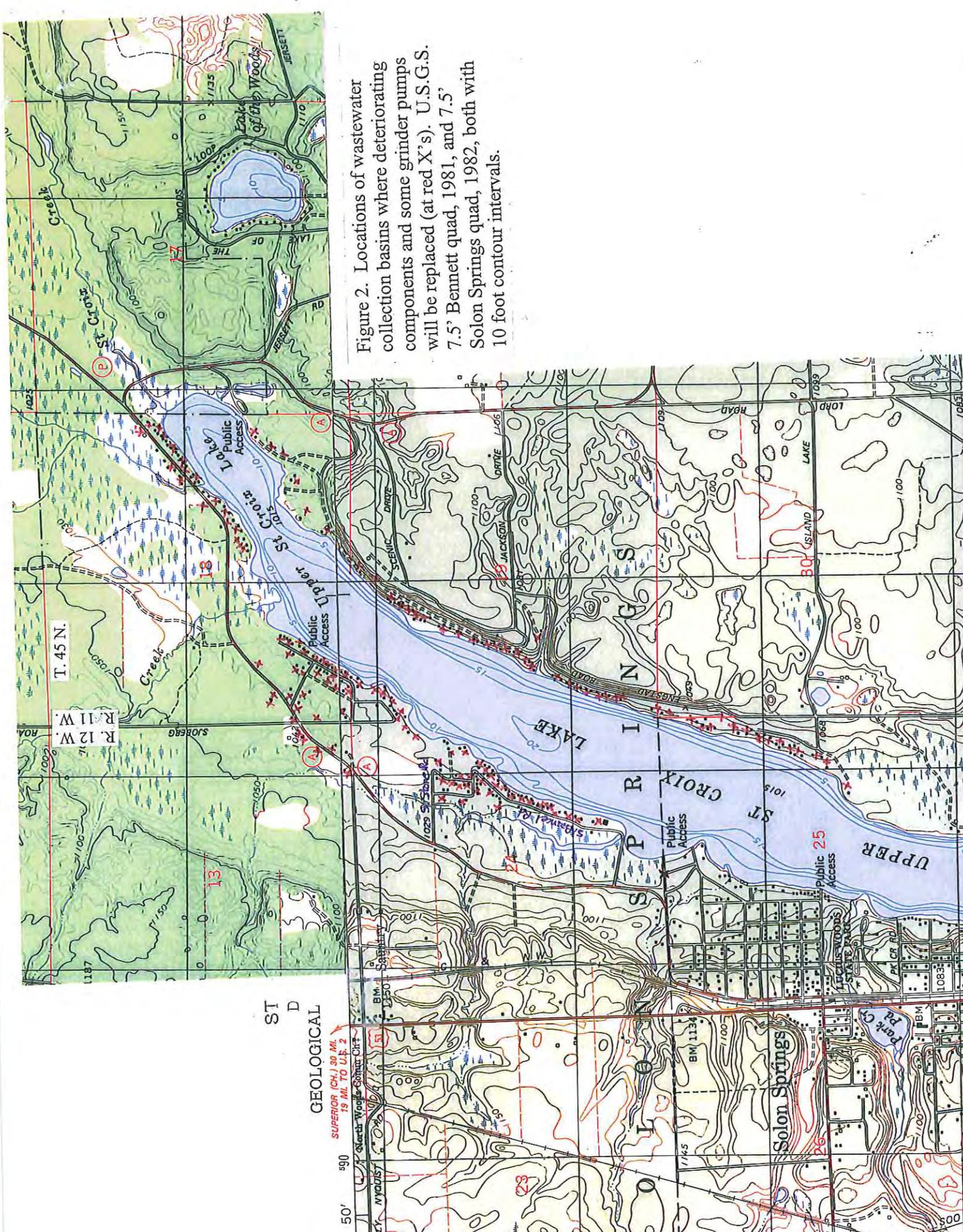


Figure 2. Locations of wastewater collection basins where deteriorating components and some grinder pumps will be replaced (at red X's). U.S.G.S. 7.5' Bennett quad, 1981, and 7.5' Solon Springs quad, 1982, both with 10 foot contour intervals.

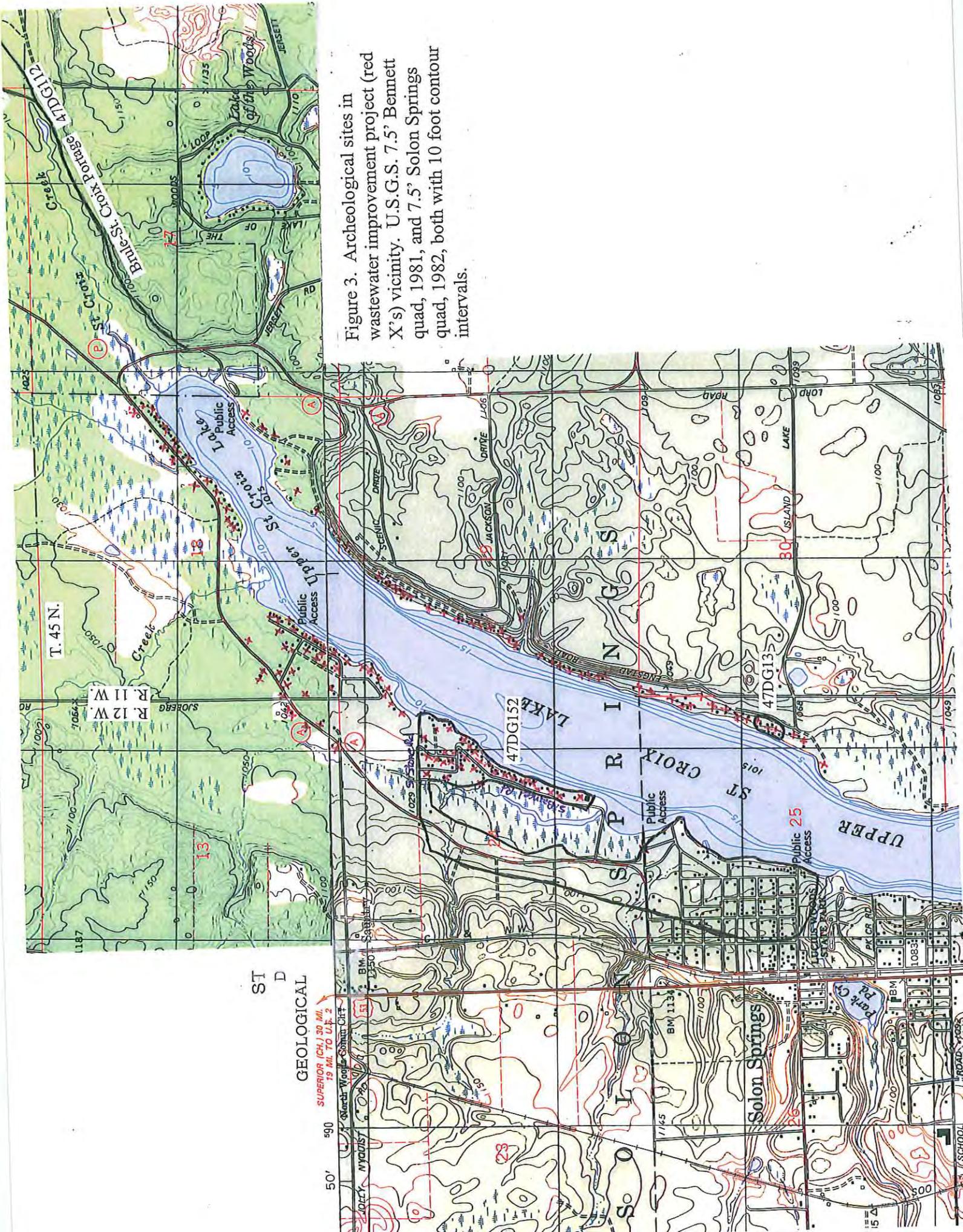


Figure 3. Archeological sites in wastewater improvement project (red X's) vicinity. U.S.G.S. 7.5' Bennett quad, 1981, and 7.5' Solon Springs quad, 1982, both with 10 foot contour intervals.



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY

ST. PAUL DISTRICT, CORPS OF ENGINEERS
190 FIFTH STREET EAST
ST. PAUL, MN 55101-1638

April 1, 2008

Planning, Programs and Project Management Division
Environmental and Economic Analysis Branch

SUBJECT: Northern Wisconsin Section 154 Environmental Infrastructure Program, Proposed Wastewater Collection System Improvement Project at Upper St. Croix Lake near Solon Springs, Douglas County, Wisconsin, Additional Information (Case #08-0172/DG)

Mr. Sherman Banker
Compliance Archeologist
Division of Historic Preservation
State Historical Society of Wisconsin
816 State Street
Madison, Wisconsin 53706-1482

Dear Mr. Banker:

Enclosed is additional information on the proposed Upper St. Croix Lake Sanitary District (USCLSD) wastewater collection system improvement project in Douglas County. The five photographs show an example of the collection basin or manhole inside which the proposed replacement of pump guiderails, flanges, rods, and possibly the grinder pump will take place. No new areas will be disturbed. The replacement parts will be stored at the USCLSD office and transported to each collection site in one of their utility vehicles for the proposed repairs.

A check of the Bibliography of Archaeological Records database on March 13, 2008, and again on March 31, 2008, did not find any cultural resources survey report listed for most of the original USCLSD wastewater collection system installation. A related survey report is BAR #1802 (George Rapp, Jr. and Susan Mulholland, April 1987, *Cultural Resources Assessment of Four Tracts in Solon Springs, Douglas County, Wisconsin*, University of Minnesota-Duluth Archaeometry Laboratory, Duluth, Minnesota) (SHSW #84-0430), which covers four scattered segments of the USCLSD wastewater collection system. Only the segment in the SW $\frac{1}{4}$, Section 18, Township 45 North, Range 11 West overlaps with the current project area. No cultural resources sites were found during that survey. The original wastewater collection system was installed using funding from the Environmental Protection Agency and the Farmers Home Administration. The St. Paul District, U.S. Army Corps of Engineers (Corps) was not involved with that earlier work.

Because the proposed wastewater collection system improvements will occur inside already installed manholes/collection basins (see enclosed photographs), the Corps believes that there will be no effect on historic properties (nearby site 47DG112, Brule-St. Croix Portage) or to unevaluated archaeological sites 47DG152 and 47DG13 in the project area. The Corps hereby requests your concurrence with this no effect determination. If you have any questions, please contact Ms. Virginia Gnabasik, Corps archeologist, at (651) 290-5262 or by email at virginia.r.gnabasik@usace.army.mil.

Sincerely,



Terry J. Birkenstock
Chief, Environmental and Economic
Analysis Branch

Enclosures
5 photographs
SHPO comment form

REQUEST FOR SHPO COMMENT AND CONSULTATION ON A FEDERAL UNDERTAKING

Submit one copy with each undertaking for which our comment is requested. Please print or type. Return to:

Wisconsin Historical Society, Division of Historic Preservation, Office of Preservation Planning, 816 State Street, Madison, WI 53706

Please Check All Boxes and Include All of the Following Information, as Applicable:

I. GENERAL INFORMATION

- I. GENERAL INFORMATION
This is a new submittal.
This is supplemental information relating to Case#: 08-0172/DG and title: Upper St. Croix Lake Sec 154 Wastewater Improvement Project
This project is being undertaken pursuant to the terms and conditions of a programmatic or other interagency agreement. The title of the agreement is
a. Federal Agency Jurisdiction (Agency providing funds, assistance, license, permit): St. Paul District, U.S. Army Corps of Engineers
b. Federal Agency Contact Person: Virginia Gnabasik (651) 290-5262
c. Project Contact Person: N/A Phone:
d. Return Address: PM-Environmental, 190 Fifth Street East, Suite 401, St. Paul, Minnesota Zip: 55101-1638
e. Email Address: virginia.r.gnabasik@usace.army.mil
f. Project Name: Upper St. Croix Lake Section 154 Wastewater Collection System Improvement Project
g. Project Street Address: around Upper St. Croix Lake near village of Solon Springs
h. County: Douglas City: Solon Springs Zip Code: 54873
i. Project Location: Township 45N, Range 11, E(W)(circle one), Sections 18, 19 & 30, Quarter Sections (see attached letter)
j. Project Narrative Description. See attached letter and figures.
k. Area of Potential Effect (APE). The APE for this project is the 144 existing sewage collection basin locations where deteriorating components and defective grinder pumps will be replaced (red x's on enclosed Figures 2 and 3).

II. IDENTIFICATION OF HISTORIC PROPERTIES

- Historic Properties are located within the project APE per 36 CFR 800.4. Attach supporting materials, per 36 CFR 800.11.
Historic Properties are not located within the project APE per 36 CFR 800.4. Attach supporting materials, per 36 CFR 800.11

III. FINDINGS

- No historic properties will be affected (i.e., none is present or there are historic properties present but the project will have no effect upon them). Attach necessary documentation, as described at 36 CFR 800.11.
The proposed undertaking will have no adverse effect on one or more historic properties located within the project APE under 36 CFR 800.5. Attach necessary documentation, as described at 36 CFR 800.11.
The proposed undertaking will result in an adverse effect to one or more historic properties. The applicant, or other federally authorized representative, will consult with the SHPO and other consulting parties to resolve the adverse effect per 36 CFR 800.6. Attach necessary documentation, as described at 36 CFR 800.11.

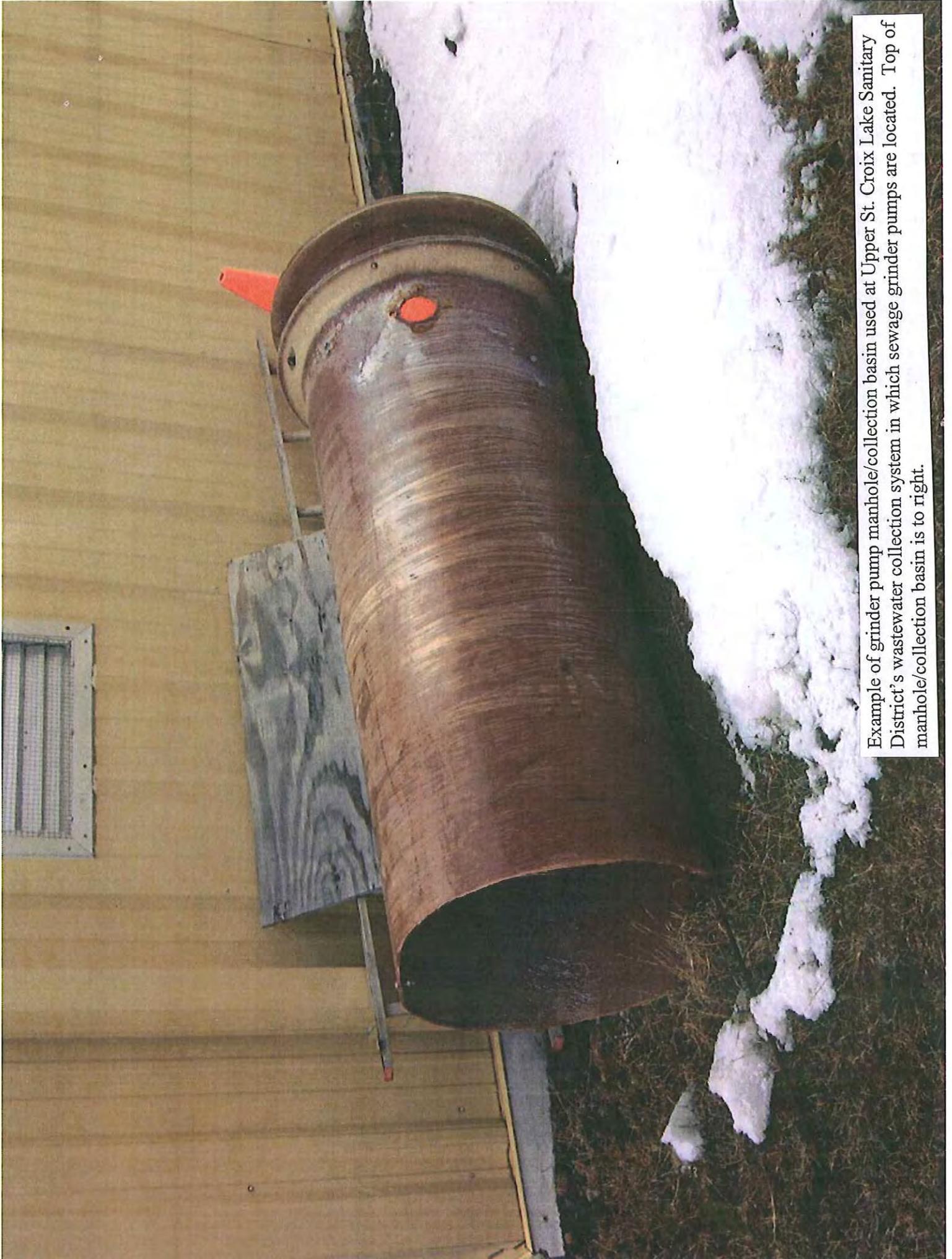
Authorized Signature: Virginia Gnabasik Date: 4/01/2008

Type or print name: VIRGINIA GNABASIK

IV. STATE HISTORIC PRESERVATION OFFICE COMMENTS

- Agree with the finding in section III above.
Object to the finding for reasons indicated in attached letter.
Cannot review until information is sent as follows:

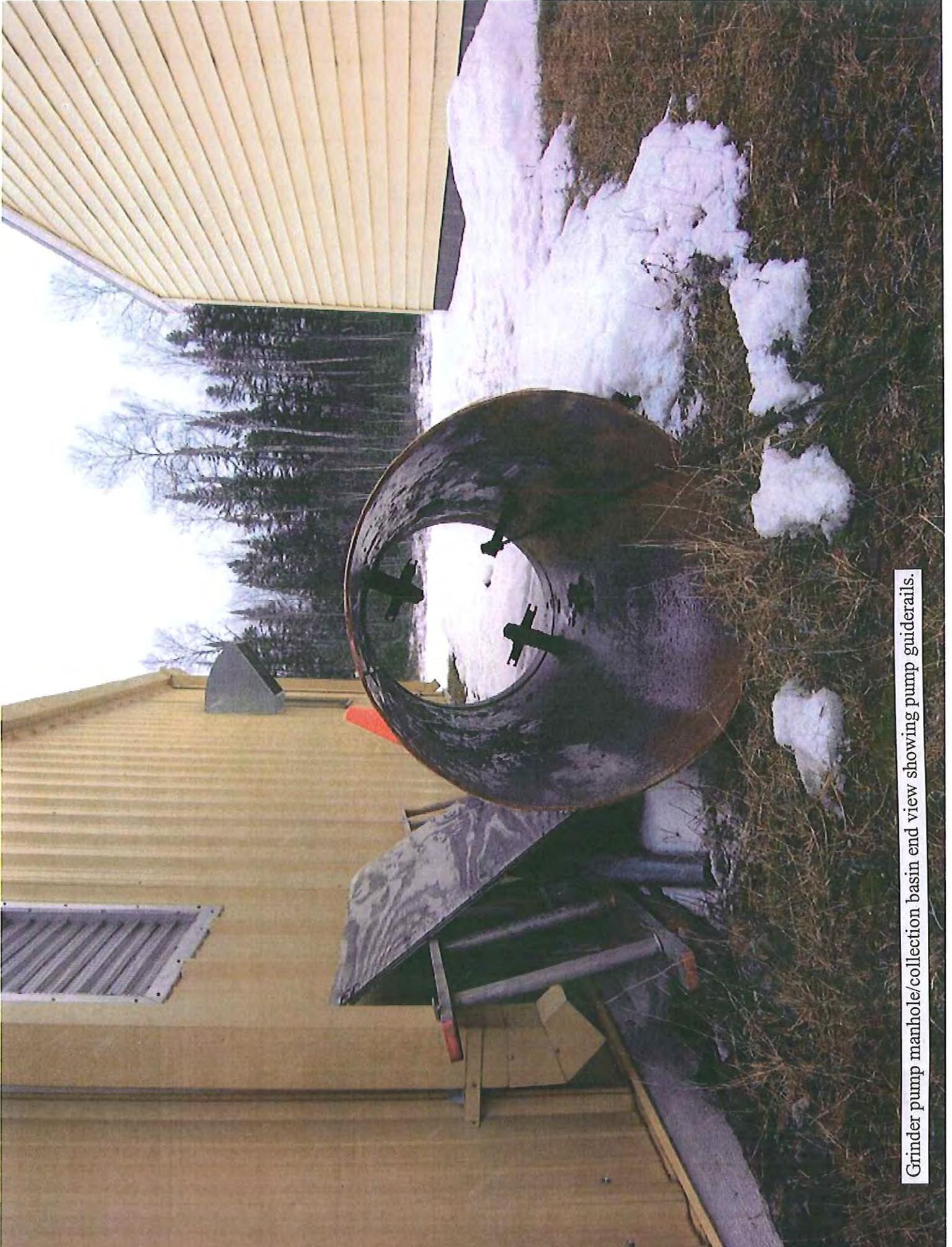
Authorized Signature: Date:



Example of grinder pump manhole/collection basin used at Upper St. Croix Lake Sanitary District's wastewater collection system in which sewage grinder pumps are located. Top of manhole/collection basin is to right.



Grinder pump manhole/collection basin in place at Upper St. Croix Sanitary District office.



Grinder pump manhole/collection basin end view showing pump guiderails.



Grinder pump manhole/collection basin in place.



Grinder pump manhole/collection basin top view with closeup of pump guide rails to be replaced along with rods and flanges, and pumps needing repairs.

ATTACHMENT 3

Draft FONSI



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY

ST. PAUL DISTRICT, CORPS OF ENGINEERS

190 FIFTH STREET EAST

ST. PAUL, MN 55101-1638

Environmental and Economic Analysis Branch
Planning, Programs and Project Management Division

Draft

FINDING OF NO SIGNIFICANT IMPACT

In accordance with the National Environmental Policy Act of 1969, the St. Paul District, Corps of Engineers, has determined the environmental impacts of the following project.

SECTION 154
UPPER ST. CROIX SANITARY DISTRICT
WASTEWATER COLLECTION SYSTEMS IMPROVEMENT PROJECT
DOUGLAS COUNTY WISCONSIN

The purpose of the project is to repair and upgrade the low pressure waste collection system around Upper St. Croix Lake. The work would consist of replacing the deteriorating components on the 144 waste collection pump stations within the system. The components to be replaced include black iron pipe rods, flanges and pump guiderails and ancillary components connecting the pumps to the existing collection system with stainless steel components. The electrical control panels for each pump station will also be replaced.

The Finding of No Significant Impact is based on the following determinations of project impacts: there would be no effects on economic resources, there would be negligible temporary adverse impacts from noise during repair activities, there would be no effect on cultural resources and there would be permanent beneficial non-significant impacts on water quality.

Our environmental review indicates that the proposed actions do not constitute a major Federal action significantly affecting the quality of the human environment. Therefore, an Environmental Impact Statement will not be prepared.

Date

Terry J. Birkenstock
Chief, Environmental and Economic
Analysis Branch