4-794.7-RMP	Red Wing Yacht Club	MN/Goodhue/Red Wing	Private
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 4.63, Reference GREAT I Vol. 8-Part III). This site was endorsed by the RRF on 4 November 1985 (Upper Pool 4 Recon. Alt. B*). GREAT selected 11 acres at this site for permanent placement of material from the Trenton Cut. A Reconnaissance Report for Upper Pool 4 also selected this site but reduced the acres required to 7. The RRF endorsed the site with conditions: 1) The Corps will consider mechanical dredging and transport to the Red Wing Commercial Harbor site (4-791.6-RMP) if the quantity is small and equipment is available, 2) Give further consideration to bank protection for reducing dredging, 3) Investigate structural modifications on a priority basis at locations of high probability for reducing dredging. The OSIT met with the landowner in 1995. As a result, the area was reduced to 6 acres and the capacity reduced from 179,000 cubic yards to 25,000 cubic yards.

Site Characteristics:

This site has been used in the past for dredged material placement. Vegetation is characterized by moderately dense woods with dense underbrush. Dredged material placed at this site would be used for recreational enhancement.

Site Dimensions:

Area = 6 acres. The area is irregular (see site map). Pre-Fill Elevation = 677.0. Maximum Fill Elevation = 680.0. LCP Elevation = 667.0. Estimated Capacity = 25,000 cubic yards.

Beneficial Use:

This site has no road access but does have barge access so there would be potential for beneficial use removal by barge. All material placed at this site would be considered passive beneficial use for recreational enhancement.

Equipment Requirments/Limitations:

Unknown.

Special Conditions/Restrictions:

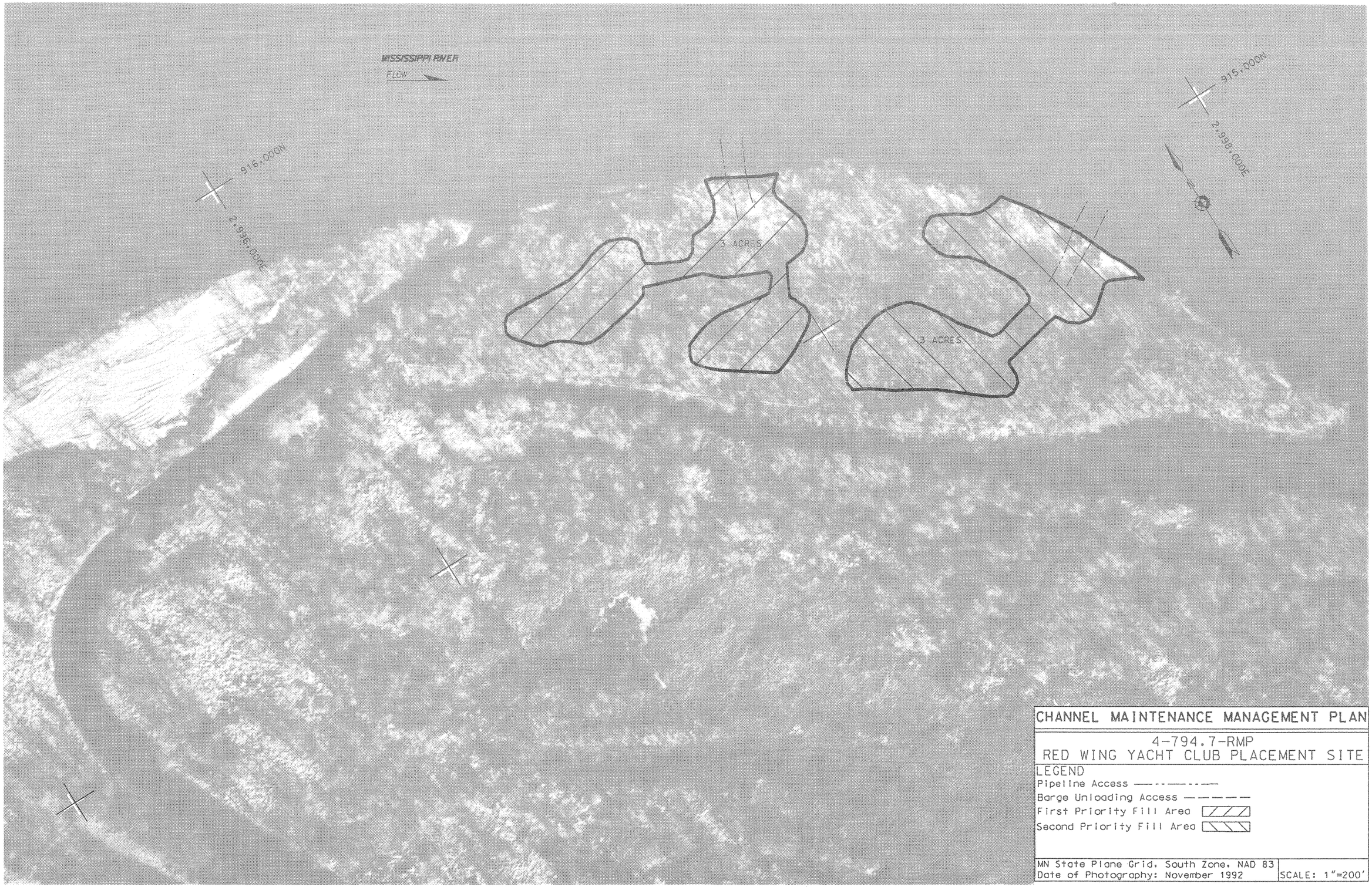
Maintain containment dikes to assure that material does not get into the adjacent backwater. Maintain a 30 foot buffer area between the toe of the material pile and the shoreline and avoid removing large trees. Consider landscape planting after placement is completed. Placement must be coordinated with the landowner.

Future Plans:

Containment dikes need to be constructed and drop structures added if used for hydraulic placement.

Permits/Approval Checklists:	Remarks:
☐ Cultural Resources	Survey required in undisturbed area
☐ Endangered Species	Need determination from FWS
☐ Floodplain Impact Analysis	Will be analyzed if necessary
☑ NEPA	Covered by the GREAT and O&M, EIS
☐ Real Estate	Permit required from landowner
☐ State	MPCA certification if effluent return
☐ 404(b)(1) Evaluatoin	Long-term 404(b)(1) proposed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Trenton	794.0-794.6	H	4000	50-300	4050-4300	30



CHANNEL MAINTENANCE MANAGEMENT PLAN

4-794.7-RMP
RED WING YACHT CLUB PLACEMENT SITE

LEGEND
Pipeline Access
Barge Unloading Access
First Priority Fill Area
Second Priority Fill Area

MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992

SCALE: 1"=200'

4-791.6-RMP	Red Wing Commercial Harbo	MN/Goodhue/Red Wing	City of Red Wing
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 4.57, Reference GREAT I Vol. 8-Part III). This site was endorsed by the RRF on 4 November 1985 (Upper Pool 4 Recon. Alt. B*). GREAT selected 16 acres at this site for permanent placement from cuts 7-9 and 11. A Reconnaissance Report for Upper Pool 4 also selected this site but reduced the acres required to 13. The endorsed plan involves mechanical dredging of cuts 7-9 and rehandling by truck from the commercial harbor dock to the site.

Site Characteristics:

The area is within the floodplain and floodway. Adjacent land uses include a commercial harbor, a backwater area, and a paved city road. It is currently used as a disposal/storage area for sand, gravel, and road salt. The area has previously been used by the city as a landfill. There are 11 acres upland and 2 acres wetland.

Site Dimensions:

Area = 13 acres. The primary area is 9 acres (300,000cy) and the secondary area is 4 acres (100,000cy). Pre-Fill Elevation = 674.0. Maximum Fill Elevation = 704.0. LCP Elevation = 667.0. Estimated Capacity = 400,000 cubic yards.

Beneficial Use:

A beneficial use demand does exist from the city of Red Wing and Goodhue County. Removal has been projected at approximately 10,000 cubic yards per year. If this estimate is low, the entire 13 acres may not require development.

Equipment Requirments/Limitations:

This site will be used for mechanical placement only. Mechanical rehandling by truck or by conveyor will be required if an access channel is not dredged.

Special Conditions/Restrictions:

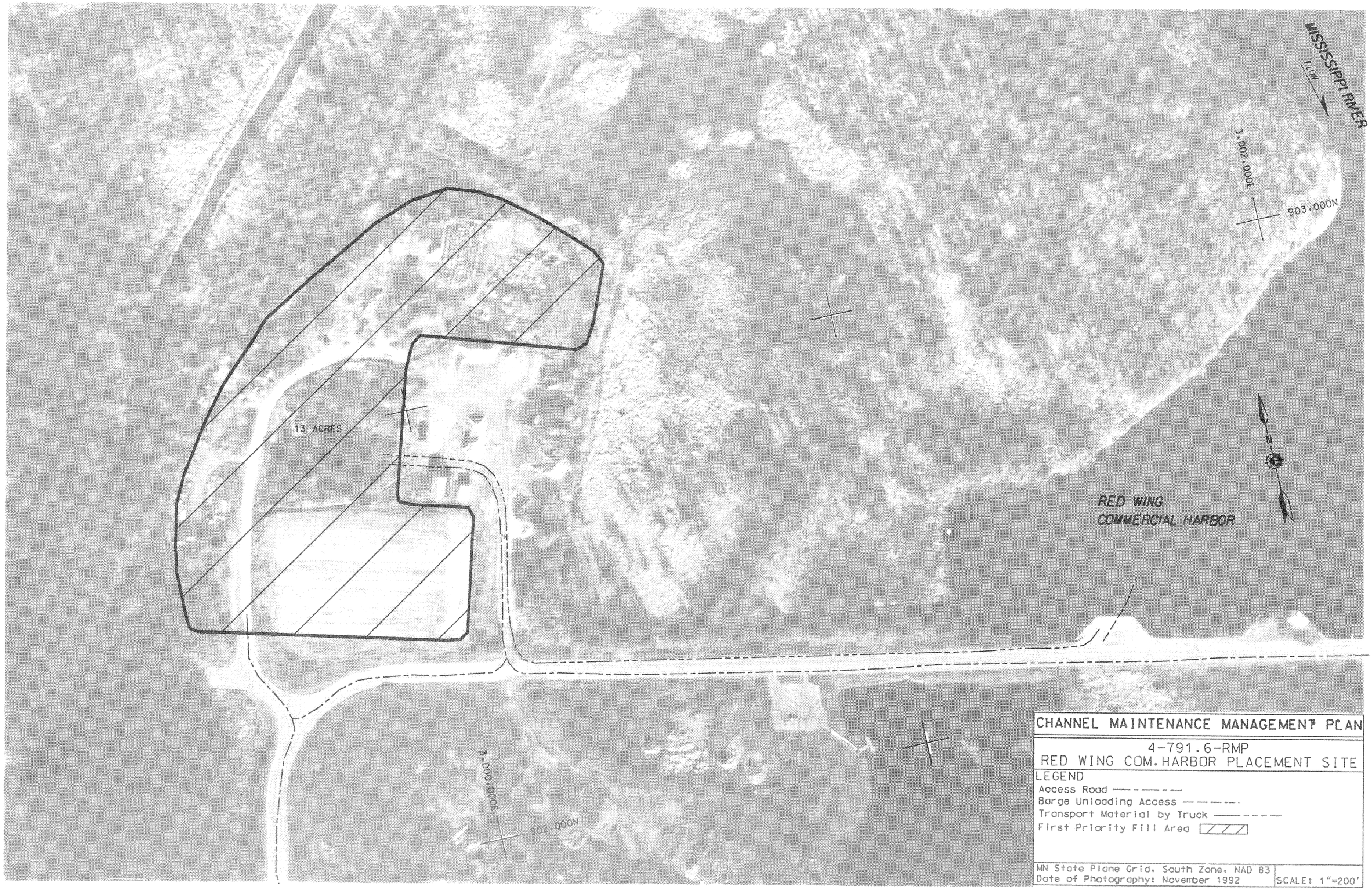
Coordinate unloading at the Commercial Harbor dock with the city of Red Wing, the Red Wing Port Authority, and the Harbor operator.

Future Plans:

Development and continued use as a beneficial use stockpile site is anticipated. Vegetative screening may be required. The secondary stockpile will only be used if there is no capacity left in the primary stockpile.

Permits/Approval Checklists:	Remarks:
☐ Cultural Resources	Survey required in undisturbed area
☐ Endangered Species	Coordinate analysis with FWS
☑ Floodplain Impact Analysis	May require further analysis
☑ NEPA	Covered by O&M, EIS
☐ Real Estate	Agreement required from landowner
☑ State	General permit with MDNR and MPCA
☑ 404(b)(1) Evaluatoin	None required if no effluent return
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Trenton	794.0-794.6	M	15800	50-450	15850-16250	7-32
Cannon River	792.1-793.5	M	7408	50-450	7450-7850	7-32
Red Wing Commerc. Harbor	791.5	M	1000	50-450	1050-1450	7-32
Abv. & Blw. Red Wing Br.	789.5-791.2	M	6800	50-450	6850-7250	7-32



CHANNEL MAINTENANCE MANAGEMENT PLAN

4-791.6-RMP
RED WING COM. HARBOR PLACEMENT SITE

LEGEND
Access Road
Barge Unloading Access
Transport Material by Truck
First Priority Fill Area

MN State Plane Grid. South Zone. NAD 83
Date of Photography: November 1992

SCALE: 1"=200'

4-788.5-RMP	Colvill Park	MN/Goodhue/Red Wing	City of Red Wing
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 4.47, Reference GREAT I Vol. 8-Part III). There was no RRF endorsement prior to the CMMP. GREAT selected 11 acres at this site as a third priority site for permanent placement of material from Cut 7. The RRF endorsed the Upper Pool 4 Recon. Report on 4 November 1985, which did not recommend use of this site. The city of Red Wing is interested in receiving material at this site for the construction of a new aquatic center. Because the site is not in the recommended plan, the city will be responsible for any permits required for placement of material (this is the Corps normal practice for requests for material). The Corps regulatory staff has been notified that the city wishes to fill the area. Any use will be coordinated with the OSIT. The 11 acres that GREAT selected consists of 6 acres wetland and 5 acres upland. Since the Corps will not fill the wetland area until the city has proper agreements, the Corps will only identify the 5 acres of upland as being available.

Site Characteristics:

The Corps has filled approximately 4 acres of upland at this site. An additional 1 acre of upland and 6 acres of wetland remain in the area. The site is in the floodplain and in the floodway. The wetland area vegetation is mainly bottomland hardwoods.

Site Dimensions:

Area = 5 acres. The area is 520 feet by 420 feet. Pre-Fill Elevation = 670.0 Maximum Fill Elevation = 685.0. LCP Elevation = 667.0. Estimated Capacity = 95,000 cubic yards.

Beneficial Use:

Material placed at this site would be used beneficially as landfill. The city of Red Wing is proposing to construct a new aquatic center in this location once filled. A stockpile could be developed for removal and beneficial use at other locations.

Equipment Requirments/Limitations:

Both mechanical and hydraulic placement methods may be used. Containment dikes would be required if hydraulic placement is used.

Special Conditions/Restrictions:

Tree clearing is required prior to placement in the wetland area.

Future Plans:

Placement of material in the wetland portions of this site would be completed only after proper permits are acquired by the city of Red Wing.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	Non found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Covered by the GREAT and O&M, EIS
☐ Real Estate	DMP permit from city of Red Wing
☑ State	General permit with MDNR and MPCA
☐ 404(b)(1) Evaluatoin	404(b)(1) proposed
Other: Wetland permit	Comply with wetland Conser. Act if wetland filled

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Abv. & Blw. Red Wing Br.	789.5-791.2	H,M	11500	20-500	11520-12000	5-20
Head of Lake Pepin	785.2-785.4	M	16900	20-500	16920-17400	5-20

CHANNEL MAINTENANCE MANAGEMENT PLAN

4-788.4-RMP
COLVILL PARK PLACEMENT SITE

LEGEND
Access Road
Barge Unloading Access

MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992

SCALE: 1"=200'