




MN-14.2-RMP
CARGILL EAST RIVER PLACEMENT SITE
CHANNEL MAINTENANCE MANAGEMENT PLAN

Legend
[Hatched Box] First Priority Fill Area

UTM, Zone 15, NAD 83
Year of Photography: 2004
Date: 27 Feb 2008

1:2,400
1 inch equals 200 feet






MN-13.5-RMP	Cargill	MN/Scott/Savage	Cargill			
Site Identification	Site Name	State/County/Municipality	Landowner			
Background: This site was selected by GREAT I (Site No. MN.03, Reference GREAT I Vol. 8-Part II). There was no RRF endorsement prior to the CMMP. GREAT selected 7 acres at this site for permanent placement of material from cuts 4-5. The Lower Minnesota River Watershed District (LMRWD) is the local sponsor for the Minnesota River project and is responsible for providing placement sites. They have obtained all property rights to allow use of the site and are responsible for insuring capacity or providing another location. They completed an engineering report dated March 1979 that selected this location. The site was designated as 79-1 in that report. No further studies have been completed. RRF endorsement will be requested following OSIT review and coordination.						
Site Characteristics: GREAT identified the area as a Type 1 wetland. Adjacent land use consists of grain elevators, wetlands, and railroad. The site is within the floodplain and there is some potential for erosion.						
Site Dimensions: Area = 7 acres. The area is 725 feet by 425 feet. Pre-Fill Elevation = 700.0. Maximum Fill Elevation = 715.0. LCP Elevation = 687.2. Estimated Capacity = 140,000 cubic yards.						
Beneficial Use: GREAT estimated no beneficial use demand. However, there is potential for beneficial use and since the LMRWD is not likely to acquire a new site, it is estimated that all material placed at this site will be removed for beneficial use. The LMRWD is responsible for promoting removal. Road access is available near the site but will require some work to get directly to the site.						
Equipment Requirments/Limitations: A ditch must be crossed with the pipeline if hydraulic dredging is used. This may require some special equipment or a special set-up.						
Special Conditions/Restrictions: Adjacent wetlands must be protected. The LMRWD has provided access for pipeline across the Richards Asphalt property and under the railroad tracks. A containment dike is required. The LMRWD has acquired 10 acres at this location for dredged material placement. Site boundaries and details for use will be developed through the OSIT process.						
Future Plans: Develop and maintain dikes at this site and use as a beneficial use stockpile site until the LMRWD provides an alternate location. Site map shows the general area. This site has not been used and the area acquired by the LMRWD needs to be identified in the field. Visit site with OSIT.						
Permits/Approval Checklists: <div><input type="checkbox"/> Cultural Resources</div> <div><input checked="" type="checkbox"/> Endangered Species</div> <div><input checked="" type="checkbox"/> Floodplain Impact Analysis</div> <div><input checked="" type="checkbox"/> NEPA</div> <div><input checked="" type="checkbox"/> Real Estate</div> <div><input checked="" type="checkbox"/> State</div> <div><input type="checkbox"/> 404(b)(1) Evaluatoin</div> <div>Other:</div>		Remarks: Review is required None found at this site Analysis completed by MDNR Covered by the GREAT and O&M, EIS LMRWD has proper agreements in perpetuity General permit with MPCA. Out of MDNR jurisdiction Long term 404(b)(1) proposed				
Potential Dredge Cuts:		Dredge Type	Pipeline Distance			Lift
Name	Mile		Water	Land	Total	
Above Savage RR Bridge	14.3-14.7	H,M	5300	1500-2100	6800-7400	13-28
Abv. & Blw. Cargill Slip	12.8-13.6	H,M	1100	1500-2100	2600-3200	13-28



MN-13.5-RMP
CARGILL PLACEMENT SITE

CHANNEL MAINTENANCE MANAGEMENT PLAN

Legend

-  First Priority Fill Area
-  Effluent Control Structures
-  Floodway Boundary

UTM, Zone 15, NAD 83
Year of Photography: 2004
Date: 11 Feb 2008

1:2,400
1 inch equals 200 feet



MN-12.1-RMP	Kraemer Site	MN/Scott/Burnsville	Ed Kraemer & Sons			
Site Identification	Site Name	State/County/Municipality	Landowner			
Background: The site was not selected by Great I. There was no RRF endorsement prior to the CMMP. The Lower Minnesota River Watershed District (LMRWD) is the local sponsor for the Minnesota River project and is responsible for providing placement sites. They have obtained all property rights to allow use of the site and are responsible for insuring capacity or providing another location. The LMRWD completed an engineering report dated March 1979 that selected this location (designated as site #79-2), which replaces GREAT sites MN.30 and MN.06. No further studies have been completed. Use of this site is established through past practices. The OSIT has accepted use of this site. RRF endorsement will be requested following OSIT review coordination.						
Site Characteristics: The site is in the floodplain adjacent to the Minnesota River. Heavy vegetation to the west provides for water quality filtration during hydraulic dredging. It has been used in the past for dredged material placement. It is an upland contaminated site and no wetlands exist within the site boundaries.						
Site Dimensions: Area = 5 acres. The existing diked area is 850 feet by 255 feet. Pre-Fill Elevation = 704.0. Maximum Fill Elevation = 724.0. LCP Elevation = 687.2. Estimated Capacity = 140,000 cubic yards.						
Beneficial Use: There is potential for beneficial use and since the LMRWD is not likely to acquire a new site, it is estimated that all material placed at this site will be removed for beneficial use. The LMRWD is responsible for promoting removal. A stockpile does exist and access to the site is good. However, ownership is private and any removal would have to be with owner's consent.						
Equipment Requirments/Limitations: Placement at this site may be accomplished by mechanical or hydraulic methods.						
Special Conditions/Restrictions: Maintain contaminant dike and do not expand the size of the site beyond the existing dike. Powerlines may have to be raised or re-routed. Adjacent wetlands must be protected.						
Future Plans: Continue use as a beneficial use stockpile until filled to capacity and LMRWD provides another site. Encourage the LMRWD to work with the landowner for beneficial use removal. Visit site with OSIT.						
Permits/Approval Checklists: <input checked="" type="checkbox"/> Cultural Resources <input checked="" type="checkbox"/> Endangered Species <input checked="" type="checkbox"/> Floodplain Impact Analysis <input type="checkbox"/> NEPA <input checked="" type="checkbox"/> Real Estate <input checked="" type="checkbox"/> State <input type="checkbox"/> 404(b)(1) Evaluatoin Other:			Remarks: No action required None found at ths site Analysis completed by MDNR LMRWD has proper agreements General permit with MPCA. Out of MDNR jurisdiction Long term 404(b)(1) proposed			
Potential Dredge Cuts:		Dredge Type	Pipeline Distance			Lift
Name	Mile		Water	Land	Total	
Peterson Bar	11.8-12.4	H,M	200	100-1000	300-1200	17-37
Below Peterson Bar	11.2-11.8	M	3200	100-1000	3300-4200	17-37
Above Savage RR Bridge	14.3-14.7	M	7400	100-1000	7500-8400	17-37
Abv. & Blw. Cargill Slip	12.8-13.6	M	12600	100-1000	12700-13600	17-37



MN-10.1-RMP	NSP Site	MN/Scott/Burnsville	NSP			
Site Identification	Site Name	State/County/Municipality	Landowner			
Background: This site was not selected by GREAT I. There was no RRF endorsement prior to the CMMP. The Lower Minnesota River Watershed District (LMRWD) is the local sponsor for the Minnesota River project and is responsible for providing placement sites. They have obtained all property rights to allow use of the site and are responsible for insuring capacity or providing another location. They completed an engineering report dated March 1979 that selected this location (designated as site #79-3), which replaces GREAT sites MN.30 and MN.06. No further studies have been completed. RRF endorsement will be requested following OSIT review and coordination.						
Site Characteristics: The site is in the floodplain but is an upland site. No wetlands exist at this site. It is an open grass field and has a steep bank down to the river.						
Site Dimensions: Area = 7 acres. The area is 1170 feet by 260 feet. Pre-Fill Elevation = 693.0. Maximum Fill Elevation = 708.0. LCP Elevation = 687.2. Estimated Capacity = 130,000 cubic yards.						
Beneficial Use: There is potential for beneficial use and since the LMRWD is not likely to acquire a new site, it is estimated that all material placed at this site will be removed for beneficial use. The LMRWD is responsible for promoting removal. A beneficial use stockpile will be developed. However, the site is privately owned and removal of any material would have to be with the consent of the owner.						
Equipment Requirments/Limitations: Unknown.						
Special Conditions/Restrictions: A barge unloading ramp may have to be constructed to facilitate dredged material placement at the site. Coordinate placement with the landowner through the LMRWD. The FWS has an easement for adjacent land for the purpose of providing eagle nesting habitat. This may require certain restrictions. Site boundaries and details for use will be developed through the OSIT process.						
Future Plans: Develop and maintain dikes at this site and use as a beneficial use stockpile site until the LMRWD provides an alternate location. Visit site with OSIT.						
Permits/Approval Checklists: <input type="checkbox"/> Cultural Resources <input checked="" type="checkbox"/> Endangered Species <input checked="" type="checkbox"/> Floodplain Impact Analysis <input type="checkbox"/> NEPA <input checked="" type="checkbox"/> Real Estate <input checked="" type="checkbox"/> State <input type="checkbox"/> 404(b)(1) Evaluatoin Other:			Remarks: Review is required No impacts Analysis completed by MDNR LMRWD has proper agreements General permit with MDNR and MPCA Long-term 404(b)(1) proposed			
Potential Dredge Cuts:		Dredge	Pipeline Distance			
Name	Mile	Type	Water	Land	Total	Lift
Above Savage RR Bridge	14.3-14.7	M	23200	200-2000	23400-25200	5-20
Abv. & Blw. Cargill Slip	12.8-13.6	M	16900	200-2000	17100-18900	5-20
Peterson's Bar	11.8-12.4	M	12700	200-2000	12900-14700	5-20
Below Peterson's Bar	11.2-11.8	H,M	7400	200-2000	7600-9400	5-20



MINNESOTA RIVER
FLOW

478000 E
4961500 N

7 Acres

To Interstate Hwy 35

BLACK DOG ROAD

477000 E
4960900 N

BLACK DOG LAKE

MN-10.1-RMP
NSP PLACEMENT SITE

CHANNEL MAINTENANCE MANAGEMENT PLAN

Legend

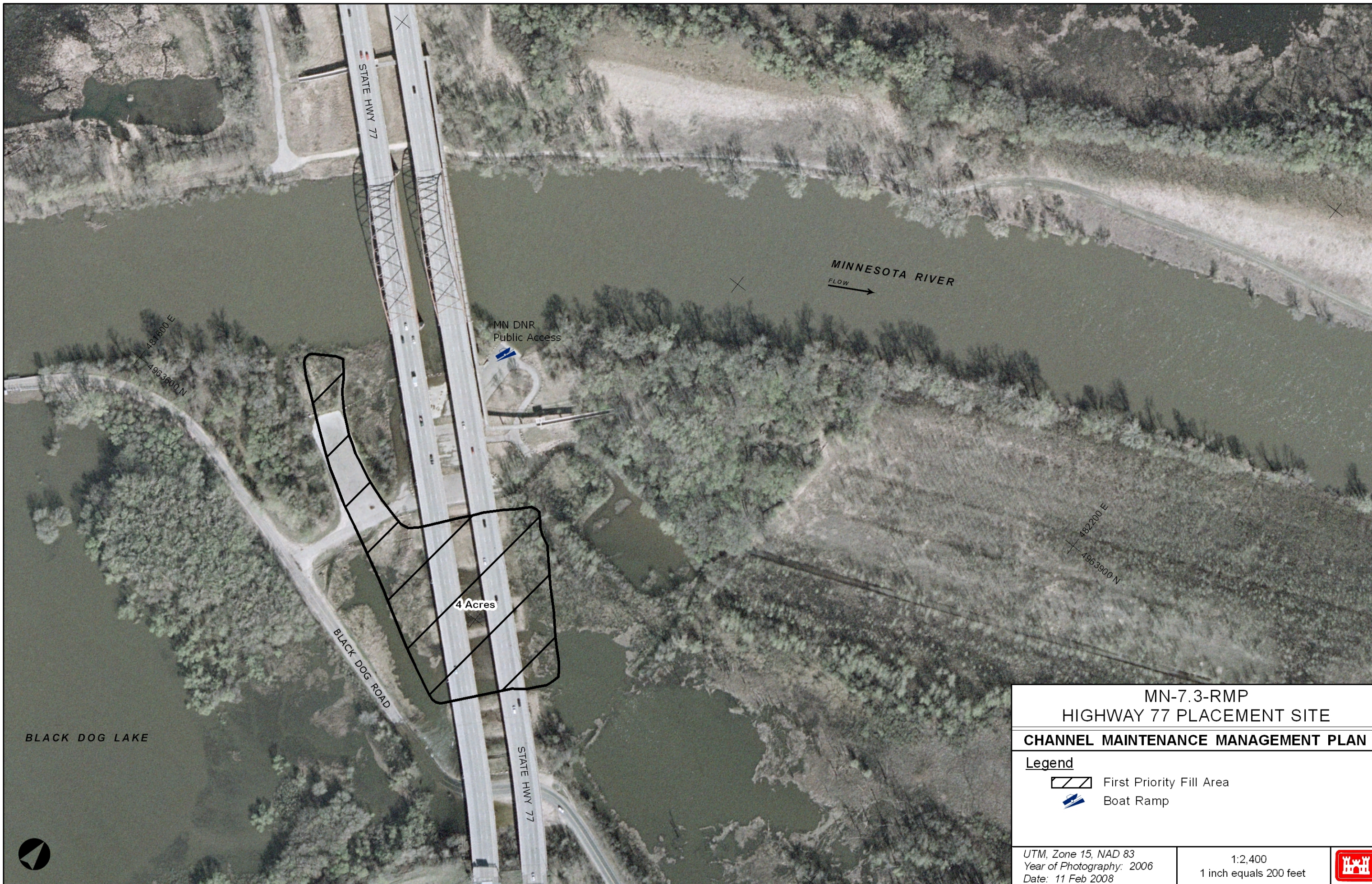
 First Priority Fill Area




UTM, Zone 15, NAD 83
Year of Photography: 2004
Date: 11 Feb 2008

1:2,400
1 inch equals 200 feet



MN-7.3-RMP	Hwy 77 Bridge	MN/Dakota/Burnsville	MDNR & MDOT			
Site Identification	Site Name	State/County/Municipality	Landowner			
Background: This site was not selected by GREAT I. There was no RRF endorsement prior to the CMMP. The Lower Minnesota River Watershed District (LMRWD) is the local sponsor for the Minnesota River project and is responsible for providing placement sites. They have been negotiating for use of this site with the MDNR and the MDOT and are responsible for insuring capacity or providing another location. This site replaces the GREAT selected site MN.28. Site boundaries and details for use will be established through the OSIT process. RRF endorsement will be requested following OSIT review and coordination.						
Site Characteristics: Upland area. No wetland impacts will be involved.						
Site Dimensions: Area = 4 acres. The exact location and other site dimensions have not been determined. Pre-Fill and Maximum Fill Elevations are estimated because operation details have not been completed. Pre-Fill Elevation = 698.0. Maximum Fill Elevation = 708.0. LCP Elevation = 687.2. Estimated Capacity = 40,000 cubic yards.						
Beneficial Use: There is potential for beneficial use and since the LMRWD is not likely to acquire a new site, it is estimated that all material placed at this site will be removed for beneficial use. The LMRWD is responsible for promoting removal. A stockpile will be developed and access to the site is good. Removal would have to be with the landowners consent.						
Equipment Requirments/Limitations: Unknown.						
Special Conditions/Restrictions: Coordinate placement with the landowner through the LMRWD.						
Future Plans: Develop site and use as a beneficial use stockpile until the LMRWD provides an alternate location. This site has not been used and the area acquired by the LMRWD needs to be identified in the field. Visit site with the OSIT.						
Permits/Approval Checklists: <input type="checkbox"/> Cultural Resources <input type="checkbox"/> Endangered Species <input type="checkbox"/> Floodplain Impact Analysis <input type="checkbox"/> NEPA <input type="checkbox"/> Real Estate <input type="checkbox"/> State <input type="checkbox"/> 404(b)(1) Evaluatoin Other:			Remarks: Review is required Need determination from FWS Will be analyzed if necessary LMRWD will obtain proper agreements Long term 404(b)(1) proposed			
Potential Dredge Cuts:		Dredge Type	Pipeline Distance			Lift
Name	Mile		Water	Land	Total	
4 Mile Cut-Off	3.8-4.7	M	17400	?	?	11-21



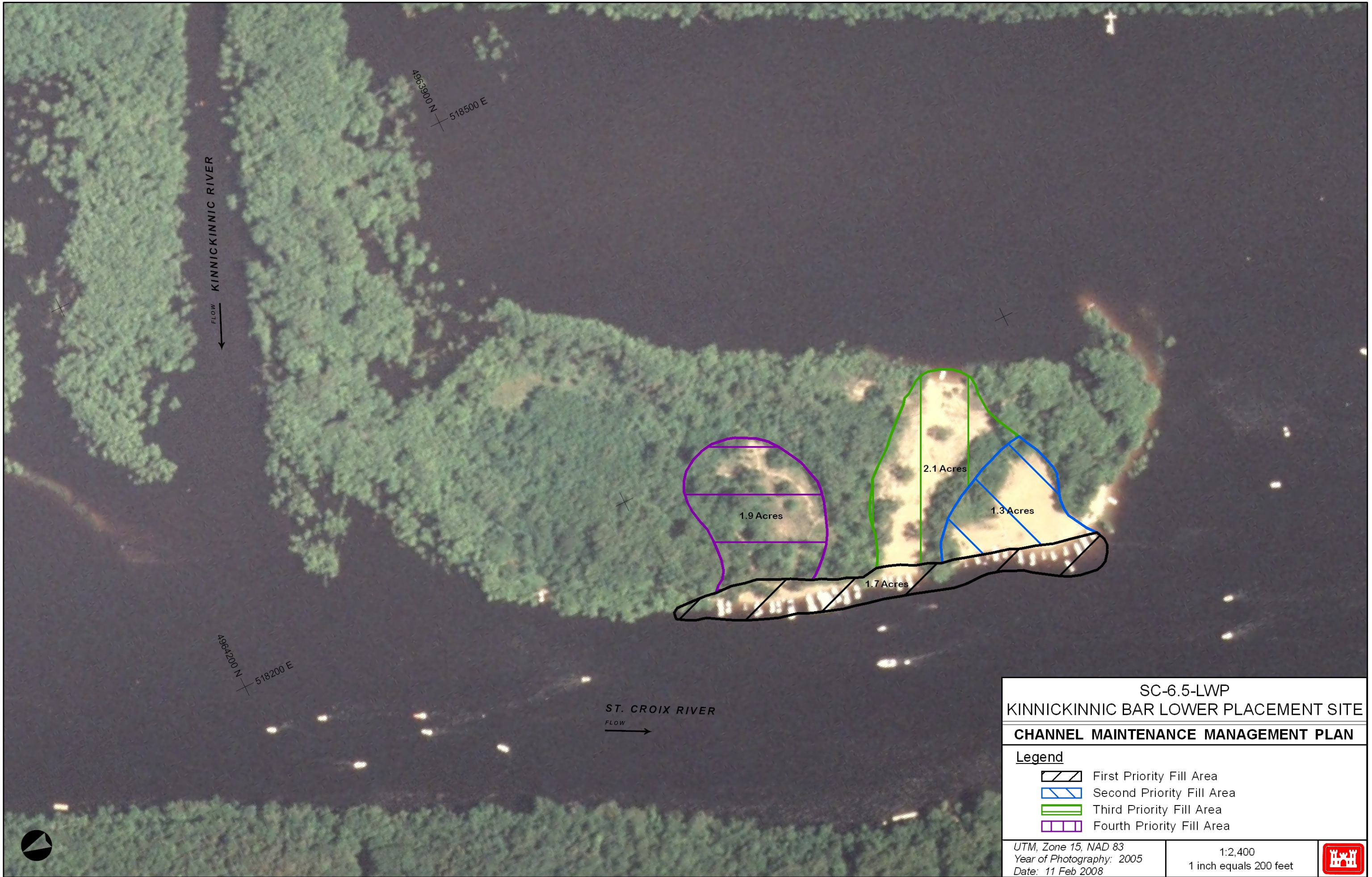
<p>MN-7.3-RMP HIGHWAY 77 PLACEMENT SITE</p>		
<p>CHANNEL MAINTENANCE MANAGEMENT PLAN</p>		
<p><u>Legend</u></p>		
	<p>First Priority Fill Area</p>	
	<p>Boat Ramp</p>	
<p>UTM, Zone 15, NAD 83 Year of Photography: 2006 Date: 11 Feb 2008</p>		<p>1:2,400 1 inch equals 200 feet</p>
		

SC-6.7-LWP	Kinnickinnic Bar Upper	WI/Pierce/Prescott	WDNR			
Site Identification	Site Name	State/County/Municipality	Landowner			
Background: This site was selected by GREAT I (Site No. SC.13, Reference GREAT I Vol. 8-Part II). There was no RRF endorsement prior to the CMMP. This site is within Kinnickinnic State Park. GREAT recommended use of 9 acres at this site for permanent placement of material from the Kinnickinnic Bar cut. This was changed to 13 acres by a letter from the WDNR dated 15 March 1985, based on a Park Development Plan. A meeting between the WDNR, MDNR, and Corps was held on 5 October 1995 at the park to re-define the fill areas according to WDNR future plans at the park. The acres were reduced to 4. First and second priority fill areas were identified and should be filled prior to placement at the Kinnickinnic Bar Lower site (SC-6.5-LWP).						
Site Characteristics: A sand bar island created by the Kinnickinnic River. Placement of material is for use on recreational beaches which are part of the Kinnickinnic State Park. Habitat type for all 4 acres identified at this site is old dredged material.						
Site Dimensions: Area = 4 acres. The first and second priority areas are both approximately 2 acres each and are irregular in shape. Pre-Fill Elevation = 678.0. Maximum Fill Elevation = 681.0. LCP Elevation = 675.0. Estimated Capacity = 17,000 cubic yards.						
Beneficial Use: This site is used beneficially as a recreational beach.						
Equipment Requirments/Limitations: Unknown.						
Special Conditions/Restrictions: The site must not form a connection to a private island either by direct placement or secondary movement. Caution must be used to avoid impacting the adjacent wetland unless approved park plans allow for filling. If this site is not available or implementable, the next priority site will be used. OSIT coordination will take place prior to use of this site.						
Future Plans: Dredged material from the Kinnickinnic Bar cut will be placed at the following sites listed in order of priority for development: SC-6.7-LWP (Kinnickinnic Bar Upper), SC-6.5-LWP (Kinnickinnic Bar Lower), 3-811.5-LMP (Point Douglas). Replenish beach as needed.						
Permits/Approval Checklists: <input type="checkbox"/> Cultural Resources <input checked="" type="checkbox"/> Endangered Species <input type="checkbox"/> Floodplain Impact Analysis <input checked="" type="checkbox"/> NEPA <input type="checkbox"/> Real Estate <input checked="" type="checkbox"/> State <input type="checkbox"/> 404(b)(1) Evaluatoin Other:			Remarks: Review is required None found at this site Will be analyzed if necessary Covered by the GREAT and O&M, EIS Requires a permit from the landowner Exhibit A of WDNR's MOU Long-term 404(b)(1) proposed			
Potential Dredge Cuts:		Dredge Type	Pipeline Distance			Lift
Name	Mile		Water	Land	Total	
Kinnickinnic Bar	6.0-6.5	H,M	3000	0-500	3000-3500	3-6



SC-6.7-LWP KINNICKINNIC BAR UPPER PLACEMENT SITE		
CHANNEL MAINTENANCE MANAGEMENT PLAN		
Legend		
	First Priority Fill Area	
	Second Priority Fill Area	
UTM, Zone 15, NAD 83 Year of Photography: 2005 Date: 11 Feb 2008	1:2,400 1 inch equals 200 feet	

SC-6.5-LWP	Kinnickinnic Bar Lower	WI/Pierce/Prescott	WDNR			
Site Identification	Site Name	State/County/Municipality	Landowner			
Background: This site was selected by GREAT I (Site No. SC.12, Reference GREAT I Vol. 8-Part II). There was no RRF endorsement prior to the CMMP. This site is within Kinnickinnic State Park. GREAT recommended use of 17 acres at this site for permanent placement of material from the Kinnickinnic Bar cut. This was changed to 13 acres by a letter from the WDNR dated 15 March 1985, based on a Park Development Plan. A meeting between the WDNR, MDNR, and Corps was held on 5 October 1995 at the park to re-define the fill areas according to WDNR future plans at the park. The acres were reduced to 7. First, second, third, and fourth priority fill areas were identified at this site and will be filled after the first and second priority fill areas at the Kinnickinnic Bar Upper site (SC-6.7-LWP), but before the Point Douglas site (3-811.5-LMP) is filled.						
Site Characteristics: A sand bar island created by the Kinnickinnic River. Placement of material is for use on recreational beaches which are part of the Kinnickinnic State Park. Habitat type for all 7 acres identified at this site is old dredged material.						
Site Dimensions: Area = 7 acres. The first, second, third, and fourth priority fill areas are 1.7, 1.3, 2.1, and 1.9 acres respectively. Pre-Fill Elevation = 678.0. Maximum Fill Elevation = 683.0. LCP Elevation = 675.0. Estimated Capacity = 31,500 cubic yards.						
Beneficial Use: This site is used beneficially as a recreational beach.						
Equipment Requirments/Limitations: Unknown.						
Special Conditions/Restrictions: The site must not form a connection to a private island either by direct placement or secondary movement. Caution must be used to avoid impacting the adjacent wetland unless approved park plans allow for filling. If this site is not available or implementable, the next priority site will be used. OSIT coordination will take place prior to use of this site.						
Future Plans: Dredged material from the Kinnickinnic Bar cut will be placed at the following sites, listed in order of priority for development: SC-6.7-LWP (Kinnickinnic Bar Upper), SC-6.5-LWP (Kinnickinnic Bar Lower), and 3-811.5-LMP (Point Douglas). Replenish beach as needed.						
Permits/Approval Checklists:			Remarks:			
<input type="checkbox"/> Cultural Resources <input checked="" type="checkbox"/> Endangered Species <input type="checkbox"/> Floodplain Impact Analysis <input checked="" type="checkbox"/> NEPA <input type="checkbox"/> Real Estate <input checked="" type="checkbox"/> State <input type="checkbox"/> 404(b)(1) Evaluatoin Other:			Review is required None found at this site Will be analyzed if necessary Covered by the GREAT and O&M, EIS Requires a permit from the landowner Exhibit A of WDNR's MOU Long term 404(b)(1)			
Potential Dredge Cuts:		Dredge Type	Pipeline Distance			Lift
Name	Mile		Water	Land	Total	
Kinnickinnic Bar	6.0-6.5	H,M	1000	0-500	1000-1500	3-8



SC-6.5-LWP KINNICKINNIC BAR LOWER PLACEMENT SITE		
CHANNEL MAINTENANCE MANAGEMENT PLAN		
Legend		
	First Priority Fill Area	
	Second Priority Fill Area	
	Third Priority Fill Area	
	Fourth Priority Fill Area	
UTM, Zone 15, NAD 83 Year of Photography: 2005 Date: 11 Feb 2008		<div>1:2,400 1 inch equals 200 feet</div>