5A-738.2-RMP	L/D 5 Site	MN/Winona/Whitman	Federal Government
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 5A.36, Reference GREAT I Vol. 8-Part IV). There was no RRF endorsement prior to the CMMP. This site was endorsed by the RRF on 20 October 1983 (Pool 5A Recon. Alt. A1). GREAT selected use of 2 acres (1 ea. wetland & upland) for permanent placement of material from cut 5. The RRF endorsed the Pool 5A Recon. on 20 October 1983 with conditions: 1) This site would be used to test beneficial use before the Bass Camp site (5A-737.5-RMP) is used; 2) Any beneficial use demand will be considered to prolong development of the Fountain City 2 site (5A-731.8-LWP).

Site Characteristics:

The site is adjacent to the Lock and Dam #5 lower guidewalls. An unloading ramp has been constructed at the site and an area has been set aside for a beneficial use stockpile area. Placement of material will be 100% upland.

Site Dimensions:

Area = 2 acres. The area is 600 feet by 130 feet. Pre-Fill Elevation = 657.0. Maximum Fill Elevation = 682.0. LCP Elevation = 651.0. Estimated Capacity = 35,000 cubic yards.

Beneficial Use:

A beneficial use stockpile will be developed and removal is expected from Winona County and the MN DOT. Road access has been improved and is good.

Equipment Requirments/Limitations:

Use of a conveyor may be required to stockpile material to maximum capacity. There may be restrictions on the removal of material.

Special Conditions/Restrictions:

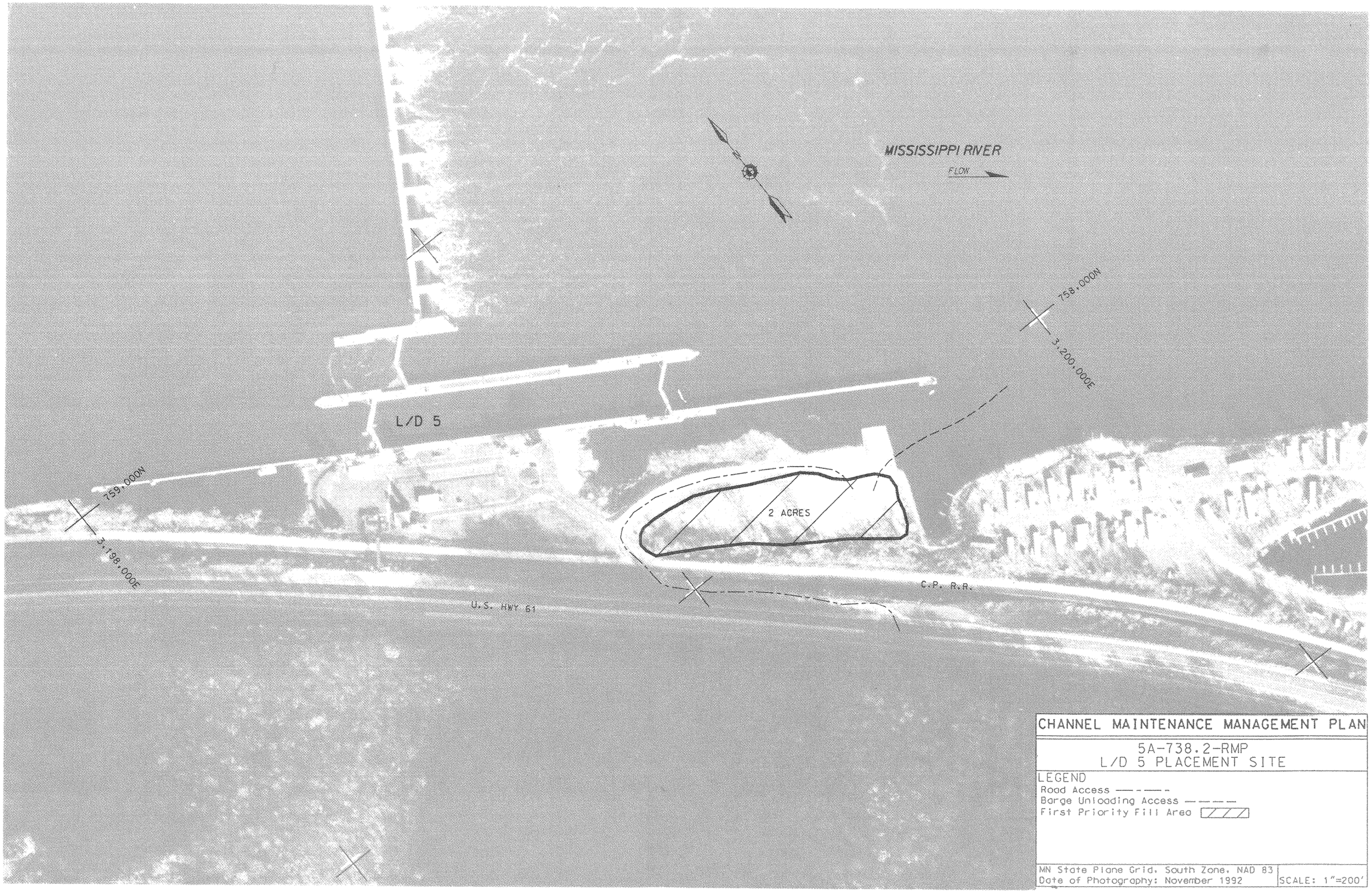
Maximum capacity of the stockpile will be no more than 35,000 cubic yards. Removal of material will probably be limited to state and county unless supply exceeds demand.

Future Plans:

Promote beneficial use of material when placed at this site.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	FONSI completed on 04/17/85
☑ Real Estate	Owned by the federal government
☑ State	General permits 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
Island 58	734.0-735.2	M	19000	50-500	19050-19500	6-31
Lower Appch. L/D 5	737.0-738.1	M	2000	50-500	2050-2500	6-31



CHANNEL MAINTENANCE MANAGEMENT PLAN

5A-738.2-RMP
L/D 5 PLACEMENT SITE

LEGEND
Road Access
Barge Unloading Access
First Priority Fill Area

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

SCALE: 1"=200'

5A-734.5-LWE	Island 58	WI/Buffalo/Fountain City	Federal Gov't. & WDNR
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 5A.14T, Reference GREAT I Vol. 8-Part IV). This site was endorsed by the RRF on 4 December 1986 (Letter Report dated. Nov. 1986). GREAT selected use of 32 acres at this site for temporary placement of material from cuts 4-5. The RRF endorsed the Pool 5A Recon. (Alt. A1) on 20 October 1983 and identified this site as temporary/emergency, but did not identify acres impacted. On 4 December 1986, the RRF endorsed a letter report from the Corps (dated. Nov. 1986) which outlined plans (Alt. 2) for the Fountain City Service Base (FCSB) expansion and temporary/emergency placement sites for cuts 4-5. According to the letter report, approximately 70,000 cubic yards would be excavated from 3 acres at this site for expansion at FCSB, with routine dredging of cuts 4-5 placed back into this site. The Corps will excavate this site to provide fill for the FCSB and to prepare for use as an emergency placement site.

Site Characteristics:

Past dredge material placement has provided over 2,400 linear feet of sand beach for recreational use. Adjacent land use is Mississippi River and WI State Park land. Located in the floodplain and floodway, the containment area created would impact 3 acres of sparsely revegetated old dredged material.

Site Dimensions:

Area = 3 acres. The area is 480 feet by 275 feet. Excavate site to elev. 636.0 (15' below LCP). Pre-Fill Elevation = 666.0. Maximum Fill Elevation = 666.0. LCP Elevation = 651.0. Estimated Capacity = 70,000 cubic yards.

Beneficial Use:

There would be no direct beneficial use at this site unless material was placed for beach improvement. Material will be removed from this site and used beneficially as landfill for expansion of the Fountain City Service Base.

Equipment Requirments/Limitations:

Material will be excavated from this site mechanically.

Special Conditions/Restrictions:

Material must be protected against erosion and will be removed and transferred to a permanent site by the following spring high water or as soon as possible under time and/or equipment limitations but not to exceed two years from the time of emergency placement and before the placement of any additional material, unless another mutually agreeable plan of action is reached with the appropriate regulatory agencies. A condition for RRF endorsement is that the Corps consider suggestions for environmental enhancement at this site.

Future Plans:

Future development of the site would involve removing the existing material and constructing a 3 acre diked containment area for emergency hydraulic placement. Landscape plantings will be used near the containment dike to reduce visual impacts. Development is not planned at this time but may be required if dredging requirements increase in the future. The OSIT will review the site and recommend site boundaries. The site map will be changed accordingly.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Covered by the GREAT and O&M, EIS
☑ Real Estate	Owned by Federal Government
☑ State	Exhibit A of WDNR's MOU
☐ 404(b)(1) Evaluatoin	Long-term 404(b)(1) proposed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Fountain City	733.3-733.8	H	4000	50-700	4050-4700	9-19
Island 58	734.0-735.2	H	4000	50-700	4050-4700	9-19

CHANNEL MAINTENANCE MANAGEMENT PLAN

5A-734.5-LWT
ISLAND 58 PLACEMENT SITE

LEGEND
Pipeline Access
Barge Unloading Access
First Priority Fill Area

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

SCALE: 1"=200'

5A-733.5-LWP	Ftn. City Service Base	WI/Buffalo/Fountain City	Federal Gov't.
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was not selected by GREAT I (Site No. 5A.34). On 4 December 1986, the RRF endorsed a letter report from the Corps (dated. Nov. 1986) which outlined the plan (Alt. 2) for the Fountain City Service Base (FCSB) expansion and temporary/emergency placement sites for cuts 4-5. The letter report states that approximately 70,000 cubic yards would be excavated from site 5A-734.5-LWE (Island 58) and used to fill approximately 2 acres of open water for expansion of the FCSB. Because of the low probability of the Island 58 site ever being used for emergency placement and the request from resource agencies to leave the Island 58 site as natural as possible, material to expand the FCSB site will be barged in directly from channel maintenance activities. The plan also includes a loading dock, mooring cells, and riprapping the new embankment. Installation of the mooring cells along the shoreline of the island opposite the FCSB and the loading dock have been completed.

Site Characteristics:

The area to be filled is all open water. Adjacent land use is the FCSB, railroad, and the Mississippi River.

Site Dimensions:

Area = 2 acres. The area is 750 feet by 100 feet. Pre-Fill Elevation = 647.0. Maximum Fill Elevation = 664.0. LCP Elevation = 650.9 Estimated Capacity = 70,000 cubic yards.

Beneficial Use:

The material would be used beneficially as landfill for the expansion of the FCSB facilities.
Material will be mechanically placed at this location.

Equipment Requirments/Limitations:

Material from site 5A-734.5-LWE (Island 58) will be mechanically excavated & placed at this location.

Special Conditions/Restrictions:

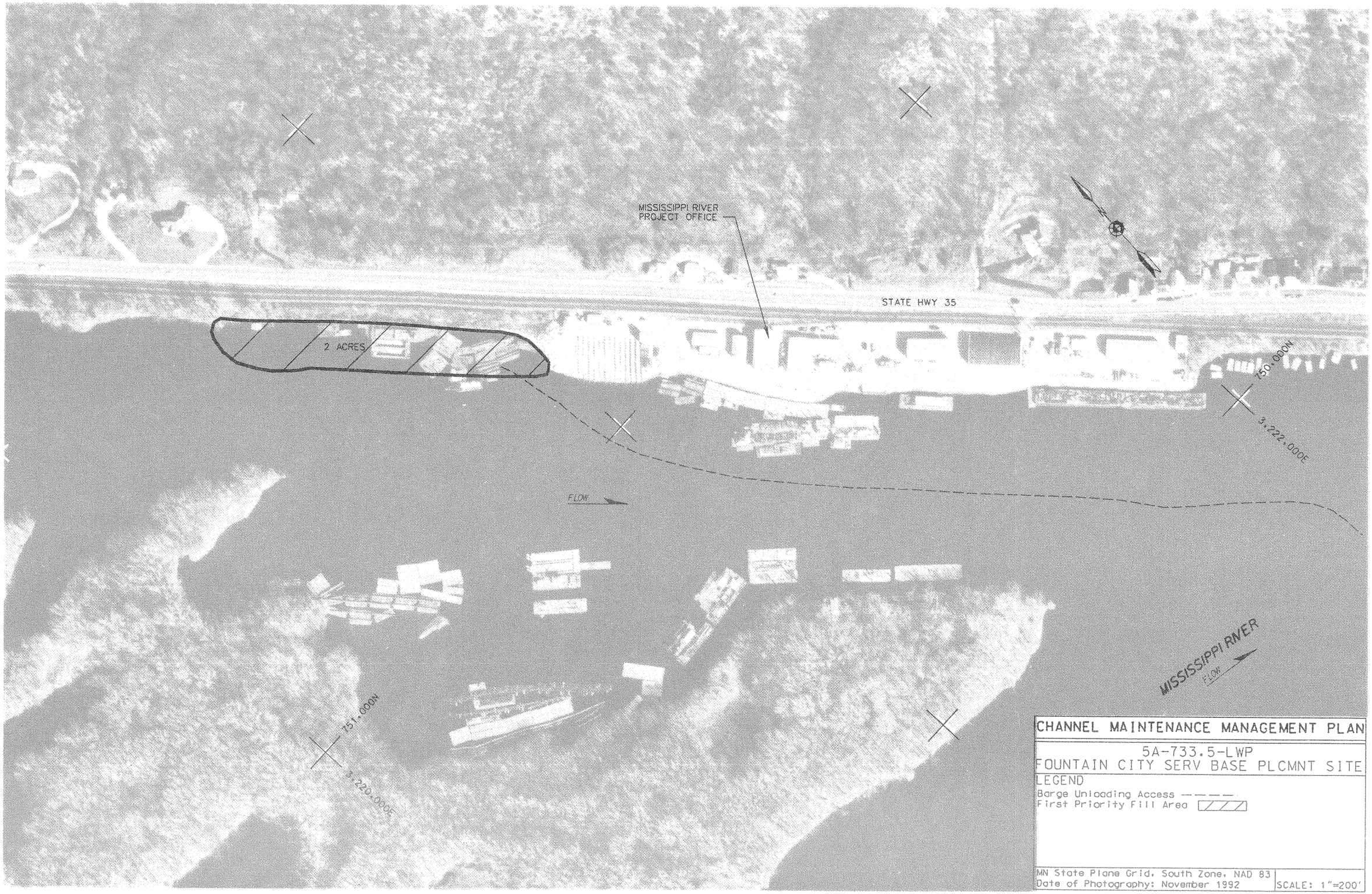
The proposed area including the riprap can only be filled by using material from a channel maintenance project. Riprap is necessary to prevent erosion of the filled area. Sediment at or near the FCSB has been tested for contamination. Contaminated sediments found at the FCSB site will be buried within the FCSB placement site. If capacity is reduced at the FCSB site because of the contaminated sediments remediation plan, material designated to go to the site will be taken to another approved site. Details of the remediation plan can be found on file at the Mississippi River Project Office.

Future Plans:

This site is a one time fill area for constructing an expansion to the District's FCSB, which is required because of additional equipment necessary to meet the Channel Maintenance Management Plan requirements.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Covered by O&M, EIS
☑ Real Estate	Owned by Federal Government
☑ State	Exhibit A of WDNR's MOU
☐ 404(b)(1) Evaluatoin	404(b)(1) will be completed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Island 58 site	5A-734.5-LWE	M	7000	0	7000	0-13


MISSISSIPPI RIVER
PROJECT OFFICE
STATE HWY 35
2 ACRES
FLOW
750,000N
3,222,000E
751,000N
3,220,000E
MISSISSIPPI RIVER
FLOW
CHANNEL MAINTENANCE MANAGEMENT PLAN
5A-733.5-LWP
FOUNTAIN CITY SERV BASE PLCMNT SITE
LEGEND
Barge Unloading Access
First Priority Fill Area
MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992
SCALE: 1"=200'

5A-731.9-LWP	Fountain City 1	WI/Buffalo/Fountain City	Federal Government
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 5A.25, Reference GREAT I Vol. 8-Part IV). This site was endorsed by the RRF on 20 October 1983 (Pool 5A Recon. Alt. A1). GREAT selected 6 acres to be used as a secondary site for permanent placement from cuts 1-2 and as a primary site for cut 4. The Pool 5A Recon. was endorsed with the condition that any beneficial use demand will be considered to prolong development of the Fountain City 2 site (5A-731.8-LWP). The Recon. identified 4 acres. The Corps purchased approx. 6 acres (Jan 1988) and currently has stockpiles for dredged material (3 acres) and rock (1 acre) at this site.

Site Characteristics:

This is an active beneficial use stockpile site. It is a triangular shaped parcel bordered by the Mississippi River, railroad track, and a stockpile site for rock used by the Corps.

Site Dimensions:

Area = 6 acres. The area is 1300 feet by 200 feet. Stockpile area approximately 3 acres (750'X175'). Pre-Fill Elevation = 660.0. Maximum Fill Elevation = 690.0. LCP Elevation = 650.4. Estimated Capacity = 90,000 cubic yards.

Beneficial Use:

This site has been very active as a beneficial use stockpile site. From 1975 to 1995 approximately 279,000 cubic yards were placed at the site and as of 1995 it has all been removed or spoken for. Removal average is approximately 13,300 cubic yards/year.

Equipment Requirments/Limitations:

Due to the demand for the material from City, County, and State agencies as well as private contractors, the area will be sectioned off for various uses.

Special Conditions/Restrictions:

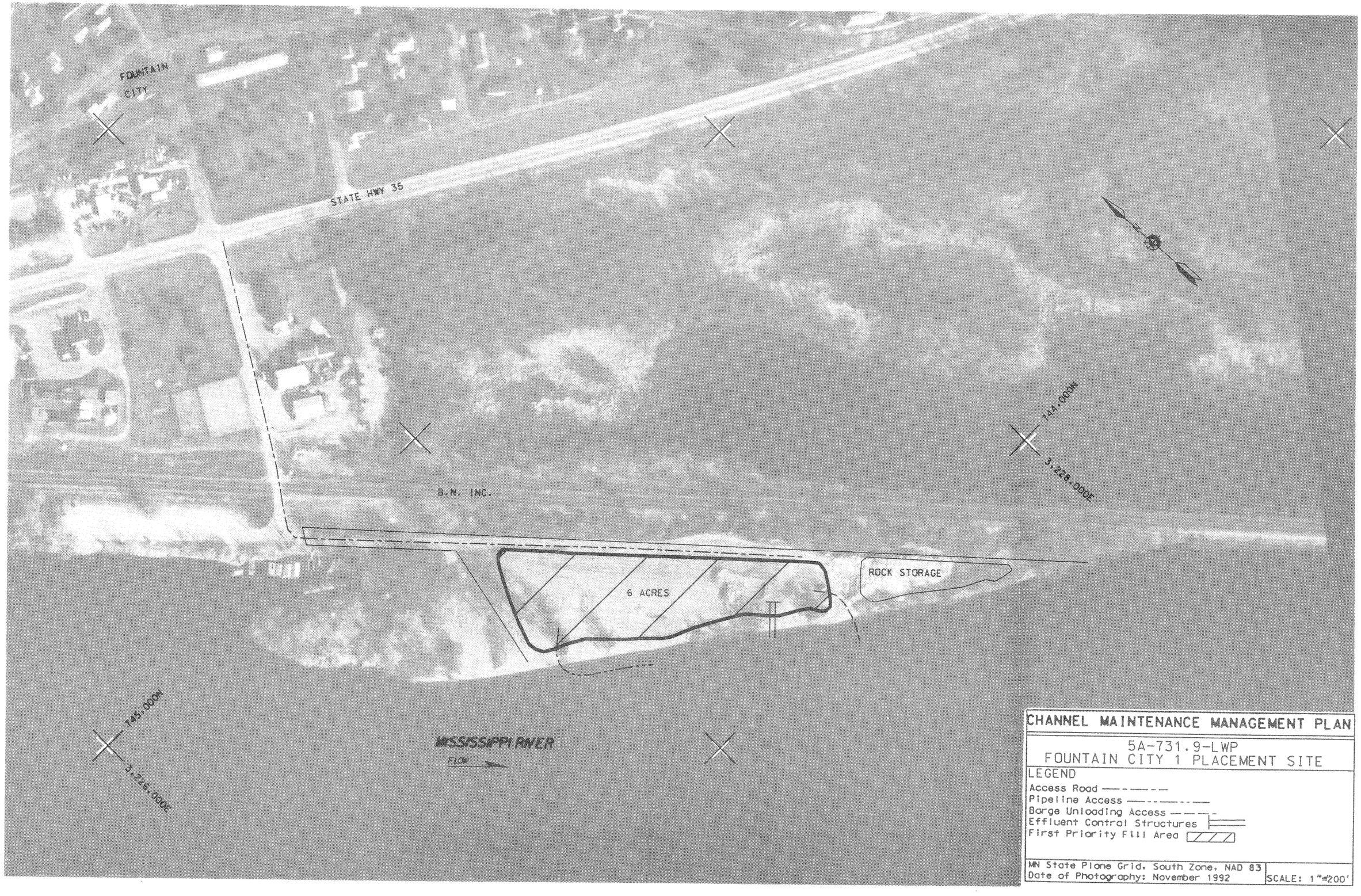
Beneficial use removal must continue to maintain capacity at the site. The downstream end will be a stockpile area for rock, and the upstream end will be maintained as a beneficial use stockpile site.

Future Plans:

Vegetation from the center of the site was removed for increased capacity and vegetation will be planted along the shoreline for screening and for erosion. The access road will be improved.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No actoin required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Covered by the GREAT and O&M, EIS
☑ Real Estate	Owned by the federal government
☑ State	Exhibit A of WDNR's MOU
☐ 404(b)(1) Evaluatoin	Long-term 404(b)(1) proposed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Fountain City	733.3-733.8	M	8000	50-300	8050-8300	10-40
Betsy Slough	731.0-732.0	H,M	3000	50-300	3050-3300	10-40
Wilds Bend	730.2-730.7	M	7000	50-300	7050-7300	10-40
Upper Appch. L/D 5A	728.5-729.5	M	13700	50-300	13750-14000	10-40


FOUNTAIN
CITY
STATE HWY 35
B.N. INC.
744,000N
3,228,000E
ROCK STORAGE
6 ACRES
745,000N
3,226,000E
MISSISSIPPI RIVER
FLOW
CHANNEL MAINTENANCE MANAGEMENT PLAN
5A-731.9-LWP
FOUNTAIN CITY 1 PLACEMENT SITE
LEGEND
Access Road
Pipeline Access
Barge Unloading Access
Effluent Control Structures
First Priority Fill Area
MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992
SCALE: 1"=200'

5A-731.8-LWP	Fountain City 2	WI/Buffalo/Fountain City	City of Fountain City
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 5A.32, Reference GREAT I Vol. 8-Part IV). This site was endorsed by the RRF on 20 October 1983 (Pool 5A Recon. Alt. A1). GREAT selected 34 acres to be used for permanent placement of material from cuts 1-3. The Pool 5A Recon. was endorsed with the condition that any beneficial use demand will be considered to prolong the development of this site. The Pool 5A Recon. identified 22 acres of wetland to be used for permanent placement of material from cuts 2-4. This site has not been used to date.

Site Characteristics:

This site lies between the Burlington Northern Railroad tracks and State Hwy. 35. This area is 100% wetland, consisting mostly of floodplain forest, shallow emergent marsh, and shallow aquatic areas. The entire site is no more than 3 feet above LCP and is flooded by high waters almost every spring.

Site Dimensions:

Area = 22 acres. The area is 1340 feet by 715 feet. Pre-Fill Elevation = 650.0. Maximum Fill Elevation = 675.0. LCP Elevation = 650.4. Estimated Capacity = 764,500 cubic yards.

Beneficial Use:

The Recon. identified active beneficial use at either this site or the Fountain City 1 site (5A-731.9-LWP) to be 380,000 cubic yards. Since the Fountain City 1 site (5A-731.9-LWP) is a proven active beneficial use location, this site would be used as a passive beneficial use site for excess material.

Equipment Requirments/Limitations:

Because of this sites location, the only practical method of dredged material placement is hydraulic. Cuts 2-3 will be by direct hydraulic placement and cut 4 will be mechanical to the Fountain City 1 site (5A-731.9-LWP) with hydraulic or mechanical rehandling.

Special Conditions/Restrictions:

If any substantial filling is required near the railroad embankment, the area will be evaluated for stability in regard to any possible lateral movement or settlement of the embankment.

Future Plans:

The Corps will actively pursue all other options to filling this placement site because of the high wetland values within the fill area. Should no options be available, filling at this site will occur in phases to preserve as much of the wetland habitat as possible. A phased expansion plan will be developed through coordination with the OSIT. Preparation of this site will only occur after all other reasonable placement options have been exhausted. Preparation of this site would include; riprapping the dry run, constructing a containment dike, clearing vegetation, and jacking a pipe under the railroad embankment for pipeline access.

Permits/Approval Checklists:	Remarks:
☐ Cultural Resources	Survey required
☐ Endangered Species	Coordinate analysis with FWS
☐ Floodplain Impact Analysis	Impacts will be analyzed
☐ NEPA	Covered by O&M, EIS
☐ Real Estate	Agreement required from landowner
☐ State	Water quality certification required from WDNR
☐ 404(b)(1) Evaluatoin	Long-term 404(b)(1) proposed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Wilds Bend	730.2-730.7	H	7000	200-1800	7200-8800	0-25
Betsy Slough	731.0-732.0	H	3000	200-1800	3200-4800	0-25
Fountain City	733.3-733.8	M,H	8000	200-1800	8200-9800	0-25

CHANNEL MAINTENANCE MANAGEMENT PLAN

5A-731.8-LWP
FOUNTAIN CITY 2 PLACEMENT SITE

LEGEND
Access Road
Pipeline Access
First Priority Fill Area

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

SCALE: 1"=200'

5A-730.5-LWT	Wilds Bend	WI/Buffalo/Fountain City	Federal Government
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 5A.08T, Reference GREAT I Vol. 8-Part IV). This site was endorsed by the RRF on 6 March 1984 (proposed by Corps at RRF meeting). GREAT selected use of 9 acres at this site for temporary placement of material from cut 2. The RRF endorsed the Pool 5A Recon. (Alt. A1) on 10/20/83 and identified this site as temporary, but did not identify acres impacted. The endorsement also noted that any beneficial use demand will be considered to prolong use of the Fountain City 2 site (5A-731.8-LWP). On 6 March 1984, the RRF endorsed a proposal to excavate 300,000 cubic yards from this site for beneficial use in Winona, MN. The Corps would then use this site rather than the Fountain City 2 site (5A-731.8-LWP) for future maintenance up to the quantity removed with no time limit.

Site Characteristics:

This site is considered a transfer site. A containment dike was constructed in 1978. In 1984 when the site was excavated, the perimeter was left as a dike for future placement. The existing diked area covers approximately 8 acres. Adjacent land is bottomland hardwoods and the main channel.

Site Dimensions:

Area = 8 acres. The area is 850 feet by 385 feet. Excavated 300,000 cubic yards to reach Pre-Fill Elev. Pre-Fill Elevation = 640.0. Maximum Fill Elevation = 690.0. LCP Elevation = 650.3. Estimated Capacity = 300,000 cubic yards.

Beneficial Use:

The material will be used beneficially at a later date if the site is excavated. Material in the area is primarily a medium grade sand.

Equipment Requirments/Limitations:

Some material will be placed mechanically, however, most will be placed hydraulically.

Special Conditions/Restrictions:

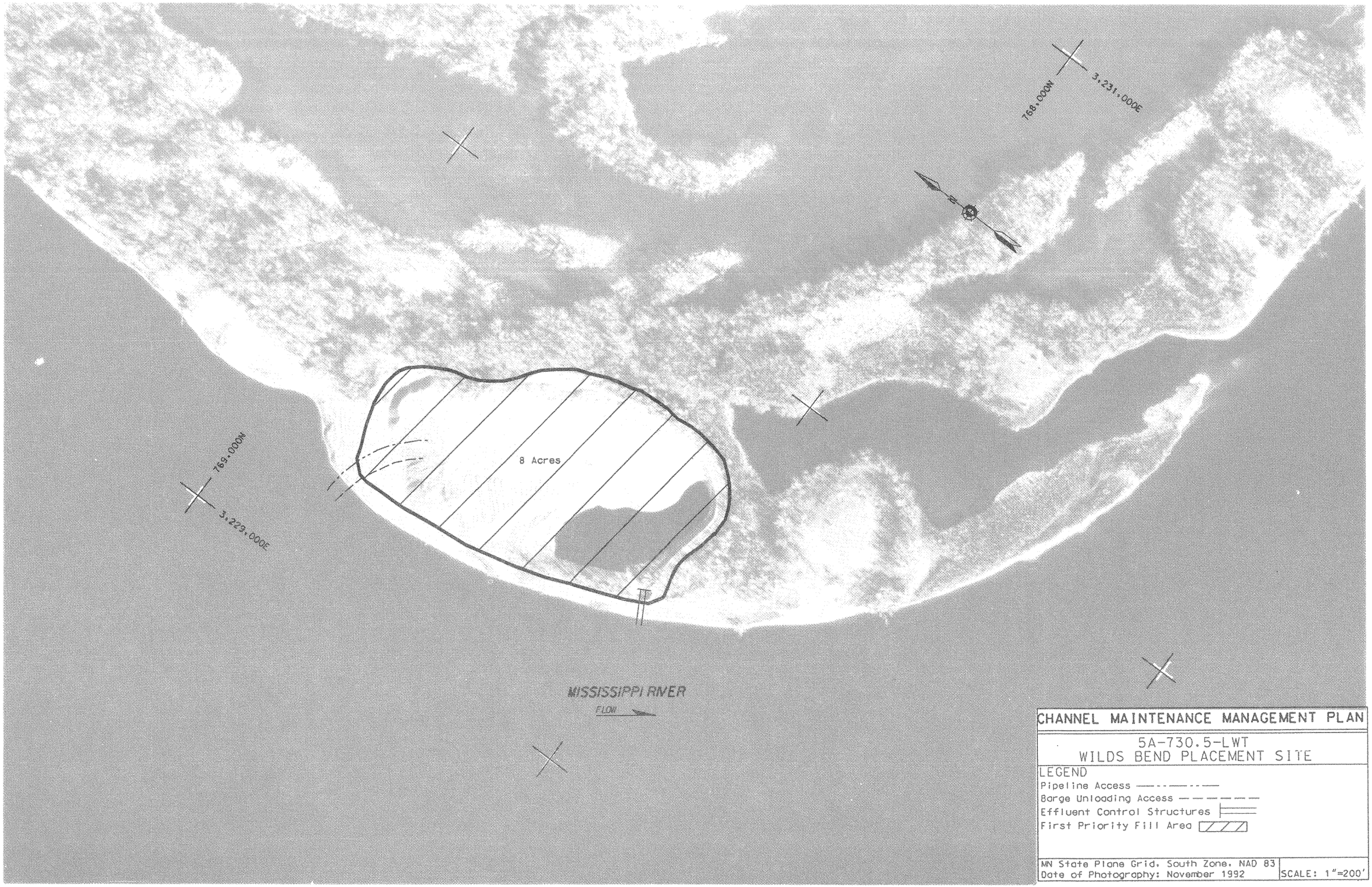
Material must be protected against erosion and will be removed when it is economical or when capacity has been reached. It will be transferred to a permanent site. The Fountain City 1 (first priority) and Fountain City 2 (second priority) sites have been designated as the permanent sites for material transferred from this site. The Corps will consider other locations while planning the excavation.

Future Plans:

When the site is filled to capacity it will be excavated and placed in a permanent site. If this site is utilized and beneficial use removal of the Fountain City 1 site keeps up with the supply, it will prolong the need to develop site 5A-731.8-LWP (Fountain City 2).

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	Review occasionally
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Covered by the Great and O&M, EIS
☑ Real Estate	Owned by federal government
☑ State	Exhibit A of WDNR's MOU
☑ 404(b)(1) Evaluatoin	404(b)(1) is good until 300,000 cy
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Wilds Bend	730.2-730.7	H	100	50-300	150-400	10-40
Betsy Slough	731.0-732.0	H	5200	50-300	5250-5500	10-40



CHANNEL MAINTENANCE MANAGEMENT PLAN

5A-730.5-LWT
WILDS BEND PLACEMENT SITE

LEGEND
Pipeline Access
Barge Unloading Access
Effluent Control Structures
First Priority Fill Area

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

SCALE: 1"=200'

6-726.3-RMP	Winona Commerc. Harbor	MN/Winona/Winona	Winona Port Authority
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. GREAT selected use of 21 acres at the Winona Industrial Park site (6-723.3-RMP) for cuts 1-4, 11 acres at the Homer site (6-720.5-RMP) for cut 1, 2.5 acres at GREAT site 6.19 (6-724.5-RMP), and 2.5 acres at GREAT site 6.20 (6-724.6-RMP), for cut 4, and 0.5 acres at the Winona Harbor site (6-726.0-LMP) for cuts 5 and 6. All of the GREAT selected sites are permanent sites. No further studies have been completed in Pool 6 because the Corps has determined that the GREAT plans are justified. This site was established in 1989 at the request of the City of Winona. It's a good beneficial use site and is permitted on a yearly basis. The Corps will use this site for cuts 3-6 to prolong use of the GREAT recommended sites for those cuts.

Site Characteristics:

This is an upland site located in a commercial harbor area. The surrounding land uses include a harbor access, a bottomland hardwood area, a grain facility, and a paved street on the Winona flood control dike.

Site Dimensions:

Area = 6 acres. The area is 650 feet by 400 feet. Pre-Fill Elevation = 655.0. Maximum Fill Elevation = 675.0. LCP Elevation = 645.5. Estimated Capacity = 150,000 cubic yards.

Beneficial Use:

Material stockpiled at the site will belong to the Winona Port Authority. They plan to use the material beneficially or provide the material to other agencies or contractors for beneficial use.

Equipment Requirments/Limitations:

There is no containment dike for hydraulic placement. A barge unloading ramp was constructed in 1989 to allow for future mechanical placement

Special Conditions/Restrictions:

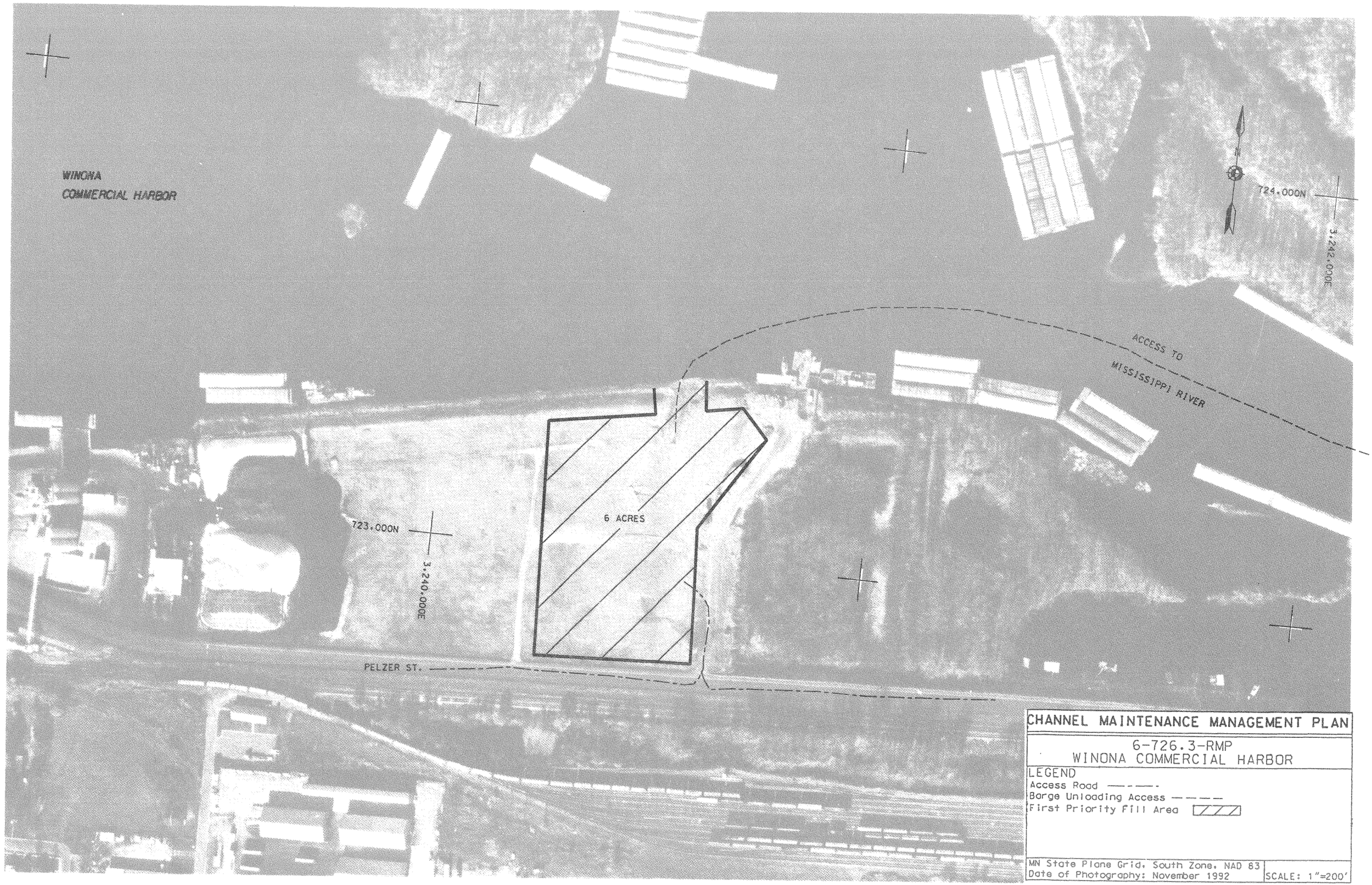
Unloading of barges must not interfere with commercial harbor activities.

Future Plans:

Implementation of a long-term beneficial use stockpile site is desired. The unloading ramp should be maintained. The Corps has pursued a long-term real estate agreement but the Winona Port Authority does not want to commit to a long-term agreement at this time. The Corps will continue to pursue a long-term agreement.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Covered by O&M, EIS
☐ Real Estate	Long-term lease proposed
☑ State	General permits 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
Winona SBH	726.1	M	3000	50-400	3050-3400	9-29
Winona Commercial Harbor	726.3	M	100	50-400	150-500	9-29
Below Winona RR Bridge	723.4-723.8	M	16000	50-400	16050-16400	9-29


WINONA
COMMERCIAL HARBOR
724.000N
3,242.000E
ACCESS TO
MISSISSIPPI RIVER
6 ACRES
723.000N
3,240.000E
PELZER ST.
CHANNEL MAINTENANCE MANAGEMENT PLAN
6-726.3-RMP
WINONA COMMERCIAL HARBOR
LEGEND
Access Road
Barge Unloading Access
First Priority Fill Area
MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992
SCALE: 1"=200'

6-726.0-LMP	Winona Harbor	MN/Winona/Winona	City of Winona
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 6.27, Reference GREAT I Vol. 8-Part IV). There was no RRF endorsement prior to the CMMP. GREAT selected use of .5 acres at this site for permanent placement of material from cuts 5-6. No further studies have been completed in Pool 6 because the Corps has determined that the GREAT plans are justified. This site has been used in the past, but not since the development of the Commercial Harbor site (6-726.3-RMP). This site is permitted by the city of Winona and will continue to be used as needed.

Site Characteristics:

This is a previously used beneficial use site located adjacent to the Winona Small Boat Harbor. It consists of old dredged material and bottomland hardwood surroundings.

Site Dimensions:

Area = 1 acres. The area is 180 feet by 130 feet. Pre-Fill Elevation = 650.0. Maximum Fill Elevation = 665.0. LCP Elevation = 645.5. Estimated Capacity = 9,000 cubic yards.

Beneficial Use:

Material placed at this site is removed by the city and used beneficially.

Equipment Requirments/Limitations:

The site can only be used with mechanical equipment because of its limited space.

Special Conditions/Restrictions:

Unknown.

Future Plans:

Use of this site may not be required once the Winona Commercial Harbor site is fully developed and a long-term real estate agreement is obtained. Until that time, operations will continue as they have in the past.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Covered by the GREAT and O&M, EIS
☐ Real Estate	Requires a permit from the landowner
☑ State	General permits 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
Winona SBH	726.1	M	50	50-300	100-350	4-19
L/D 5A Lock Chamber	728.3	M	13700	50-300	13750-14000	4-19
Lower Appch. L/D 5A	727.1-728.1	M	13700	50-300	13750-14000	4-19
Island 71	726.0-726.5	M	300	50-300	350-600	4-19

CHANNEL MAINTENANCE MANAGEMENT PLAN

6-726.0-LMP
WINONA HARBOR PLACEMENT SITE

LEGEND
Access Road
Barge Unloading Access
First Priority Fill Area

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

SCALE: 1"=200'

6-720.5-RMP	Homer	MN/Winona/Homer	Private
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 6.11, Reference GREAT I Vol. 8-Part IV). There was no RRF endorsement prior to the CMMP. GREAT selected use of 11 acres as a secondary placement site for cut 1. The primary site for cut one is the Winona Industrial Park (6-723.3-RMP) which the city of Winona plans to fill with material dredged from Lake Winona. The site has not been developed because of the limited dredging in the area. No further studies have been completed in Pool 6 because the Corps has determined that the GREAT plans are justified. The 11 acres calculated by GREAT has been adjusted to 10 acres. This provides a minimum buffer of 50 feet around the entire pile.

Site Characteristics:

The site is in the floodplain and the floodway. It is primarily bottomland hardwood with approximately 2 acres of bare sand and a 1 acre pond. Adjacent land use is the main river channel and the CP Rail railroad tracks.

Site Dimensions:

Area = 10 acres. The area is 1400 feet by 310 feet. Pre-Fill Elevation = 649.0. Maximum Fill Elevation = 664.0. LCP Elevation = 644.8. Estimated Capacity = 150,000 cubic yards.

Beneficial Use:

The material would be placed beneficially as landfill and has been placed at the site in the past to benefit recreational beach use. The current landowner wants the material to use in his ready-mix concrete operations and there is potential to develop a stockpile.

Equipment Requirments/Limitations:

The site is accessible to both mechanical and hydraulic dredged material placement.

Special Conditions/Restrictions:

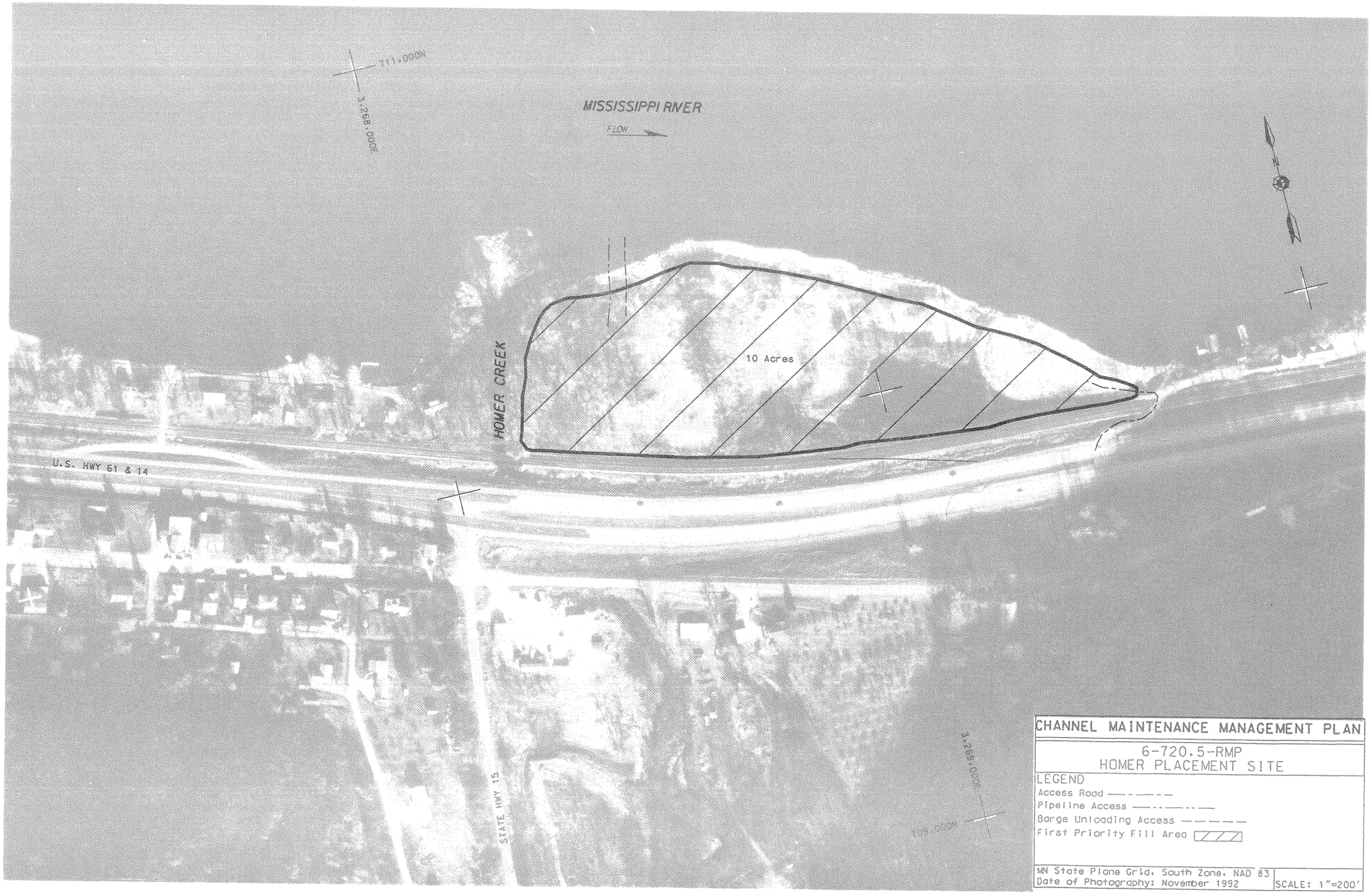
Additional coordination with landowner and the On Site Inspection Team is required for the development of this site.

Future Plans:

Acquisition of the site should be initiated if the owner is willing to sell. Access road improvements are needed. Removal of material and developing a beneficial use stockpile site will be discussed with the landowner.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	Impacts will be analyzed
☑ NEPA	Covered by the GREAT and O&M, EIS
☑ Real Estate	Requires a permit from the landowner
☑ State	General permit with MDNR and MPCA
☐ 404(b)(1) Evaluatoin	Long-term 404(b)(1) proposed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Homer	720.4-721.1	H,M	200	30-400	230-600	4-19


711,000N
3,268,000E
MISSISSIPPI RIVER
FLOW
N
10 Acres
HOMER CREEK
U.S. HWY 61 & 14
STATE HWY 15
3,269,000E
709,000N
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