9-677.7-LWP	Genoa Power Plant	WI/Vernon/Genoa	Private
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 9.15, Reference GREAT I Vol. 8-Part V). This site was endorsed by the RRF on 23 June 1986 (Upper Pool 9 Recon. Alt. D). GREAT selected use of 1 acre at this site for permanent placement of material from cuts 7-10. The endorsed Upper Pool 9 Recon. (Alt. D) recommended use of 2 acres for placement of 12,000 cubic yards from cut 7, 299,000 cubic yards from cut 8, and 93,500 cubic yards from cut 10 (all of which would be removed for beneficial use). This area was changed extensively by the landowner since it was recommended as a site. The OSIT will visit this site to recommend changes to the plan if necessary.

Site Characteristics:

The site is located downstream from the Genoa Power Plant, near a public boat ramp.

Site Dimensions:

Area = 2 acres. The area is 400 feet by 220 feet. Pre-Fill Elevation = 630.0. Maximum Fill Elevation = 650.0. LCP Elevation = 620.0. Estimated Capacity = 45,000 cubic yards.

Beneficial Use:

The Upper Pool 9 Recon. projected active beneficial use of 404,500 cubic yards from this site.

Equipment Requirments/Limitations:

Mechanical placement only, due to location and small size of the site.

Special Conditions/Restrictions:

Identification of the exact stockpile area will be coordinated with RRF agencies. There may be special conditions placed on removal of material.

Future Plans:

The Corps will try to implement the GREAT designated site, but extensive changes by the landowner may require designating another acceptable location. Develop as a beneficial use stockpile site and promote use.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☐ Floodplain Impact Analysis	Will be analyzed if necessary
☐ NEPA	
☐ Real Estate	Requires a permit from the landowner
☑ State	Exhibit A of WDNR's MOU
☑ 404(b)(1) Evaluatoin	None required if no effluent return
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Below Twin Island	675.4-675.9	M	7392	50-300	7442-7692	10-30
Twin Island	676.0-676.6	M	10560	50-300	10610-10860	10-30
Lower Appch. L/D 8	678.7-679.2	M	12144	50-300	12194-12444	10-30

CHANNEL MAINTENANCE MANAGEMENT PLAN

9-677.7-LWP
GENOA POWER PLANT 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'

9-670.5-LWP	Blackhawk Park	WI/Vernon/Victory	Federal Government
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was not selected by GREAT I (Site No. 9.55). This site was endorsed by the RRF on 23 June 1986 (Upper Pool 9 Recon. Alt. D). GREAT selected the use of 13 acres at DeSoto (9-667.5-LWP), 44 acres at Isle La Plume (8-695.7-LWP), 5 acres at Gantenbein (9-671.8-LWP), and 13 acres at GREAT site 9.33 (9-671.3-LWP) for permanent placement of material from cuts 4 and 6. The endorsed Upper Pool 9 Recon. (Alt. D) recommended use of 68.5 acres at this site for permanent placement of 860,000 cubic yards from cuts 4 and 6 in lieu of the GREAT sites. Endorsement was subject to additions agreed upon between the FWS and Corps at the 17 December 1985, Blackhawk Park meeting briefly discussed in SPECIAL CONDITIONS/RESTRICTIONS section. Park development will occur in phases (1-8). Material may be brought from the Indian Camp Light site (9-665.8-RIE) to implement phases if necessary.

Site Characteristics:

This is a recreation area with campsites, beach, picnic areas, and boat ramps. Habitat impacts include 36 acres bottomland forest, 2 acres marsh, 3 acres open water, 7 acres old dredged material, and 21 acres disturbed terrestrial. A private trailer park borders the north end of the site.

Site Dimensions:

Approx. Area: 68.5 acres - 8 areas to be completed in phases. A 3 acre stockpile will have a Fill Elev. of 650.0. Pre-Fill Elevation = 625.0. Maximum Fill Elevation = 629.0. LCP Elevation = 620.0. Estimated Capacity = 400,000 cubic yards.

Beneficial Use:

Of the projected 860,000 cubic yards placed at this site, 400,000 cubic yards would remain on-site to upgrade the park facilities and 460,000 would be removed for beneficial use off-site. A stockpile will be developed for beneficial use removal.

Equipment Requirments/Limitations:

Hydraulic placement requires dike construction with effluent directed back to the main channel. Mechanical placement may require haul distances greater than 900 feet from the unloading area.

Special Conditions/Restrictions:

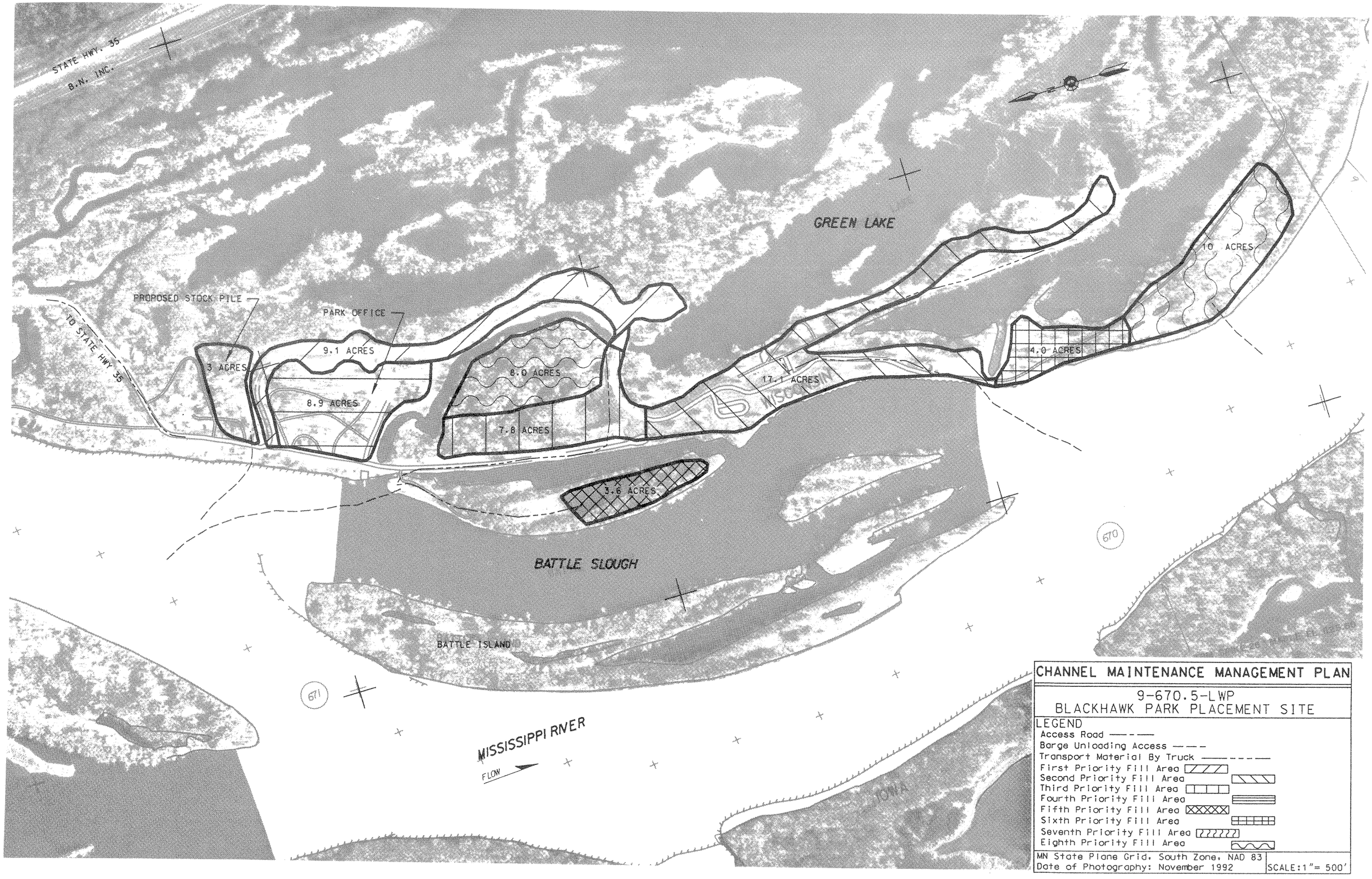
Actual placement of dredged material will be in phases as required for Park development. Prior to any filling of areas 7 and 8, the Corps will evaluate (in cooperation with other resource agencies) recreational needs at Blackhawk Park to determine if additional recreational development is justified. The evaluation will also consider alternative placement sites, should placement in areas 7 and 8 be unnecessary for recreational development. At the same time, the Corps will evaluate the beneficial use demand for material in the area.

Future Plans:

Development of the Park should continue according to the phases indicated in the Upper Pool 9 Recon. Report and the site management plan. Further evaluation and coordination with State and Federal agencies is required before areas 7 and 8 are developed as previously outlined. The Corps will pursue purchase of the trailer park area to develop a beneficial use stockpile.

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	Long-term 404(b)(1) proposed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Battle Island	671.0-672.6	H,M	4800	100-1000	4900-5800	5-30
Indian Camp Light	665.0-665.8	M	26000	100-2000	26100-28000	5-30
DeSoto	667.4-668.5	M	15840	100-2000	15940-17840	5-30


STATE HWY. 35
B.N. INC.
GREEN LAKE
PROPOSED STOCK PILE
PARK OFFICE
TO STATE HWY 35
3 ACRES
9.1 ACRES
8.9 ACRES
8.0 ACRES
7.8 ACRES
17.1 ACRES
4.0 ACRES
10 ACRES
3.6 ACRES
WISCONSIN
BATTLE SLOUGH
BATTLE ISLAND
670
671
MISSISSIPPI RIVER
FLOW
IOWA
CHANNEL MAINTENANCE MANAGEMENT PLAN
9-670.5-LWP
BLACKHAWK PARK PLACEMENT SITE
LEGEND
Access Road
Barge Unloading Access
Transport Material By Truck
First Priority Fill Area
Second Priority Fill Area
Third Priority Fill Area
Fourth Priority Fill Area
Fifth Priority Fill Area
Sixth Priority Fill Area
Seventh Priority Fill Area
Eighth Priority Fill Area
MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992
SCALE:1"= 500'

9-665.8-RIE	Indian Camp Light	IA/Allamakee/Lansing	Federal Government
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 9.18T, Reference GREAT I Vol. 8-Part V). There was no RRF endorsement prior to the CMMP. GREAT selected use of 2.7 acres at this site for temporary placement of material from cut 4. A containment dike covering 3 acres exists and the Corps will continue to use this area for emergency placement. To aid the sequential development of the Blackhawk Park site (9-670.5-LWP), the Corps may take material from this site (creating a bathtub) and haul it to the park. Instead of waiting for more fill, an area could be developed and stabilized.

Site Characteristics:

The site is within the floodway and the floodplain. The area selected for placement will be on top of old dredged material. The surrounding area is primarily bottomland forest.

Site Dimensions:

Area = 3 acres. The area is 360 feet by 330 feet. Pre-Fill Elevation = 630.0. Maximum Fill Elevation = 645.0. LCP Elevation = 620.0. Estimated Capacity = 50,000 cubic yards.

Beneficial Use:

Recreational beach enhancement if material is placed along the shoreline. There will be passive beneficial use if material is excavated and hauled to Blackhawk Park for development of that site for recreation.

Equipment Requirments/Limitations:

Dredged material placement will be by mechanical or hydraulic methods.

Special Conditions/Restrictions:

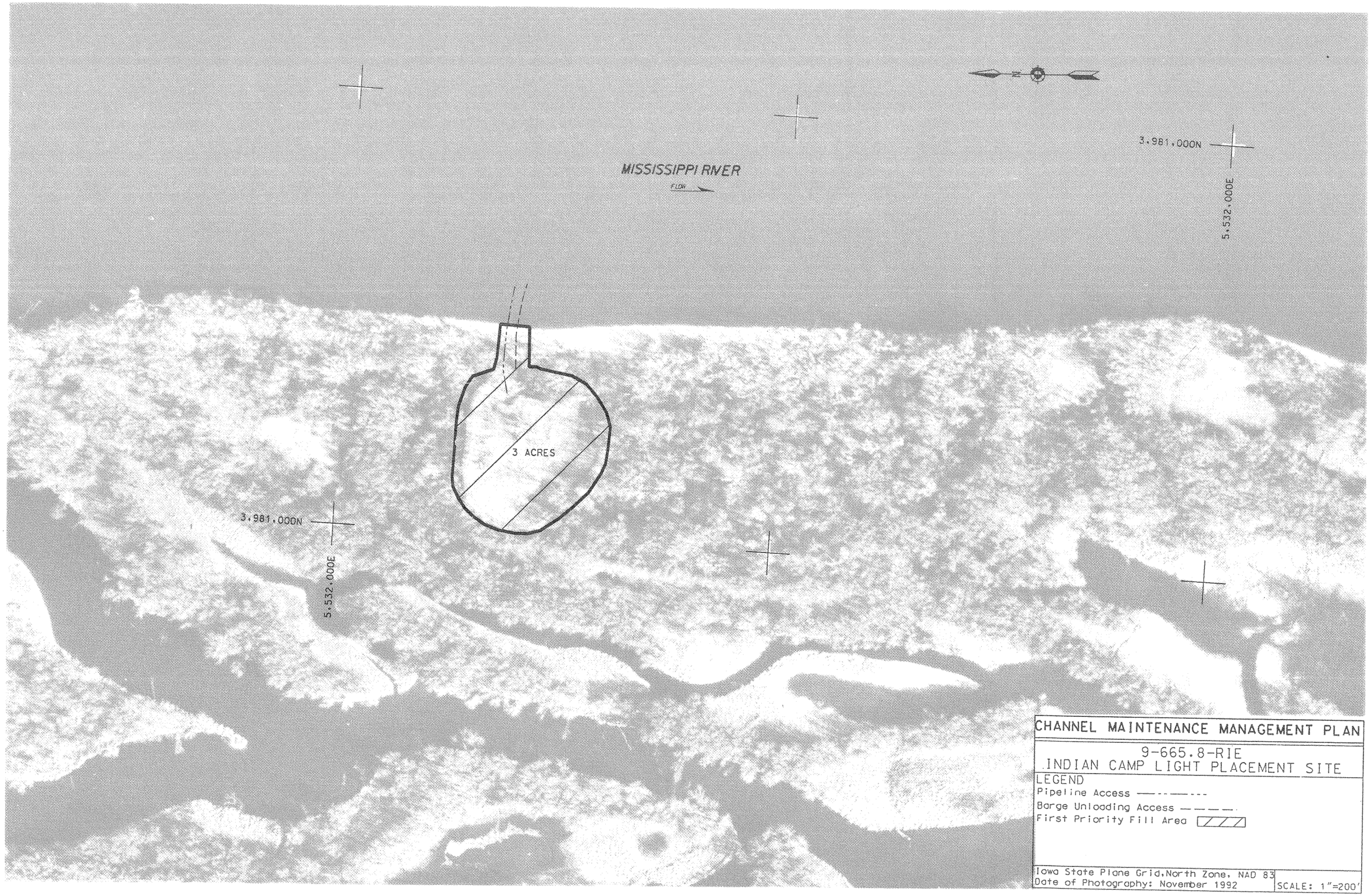
Placement must be contained to the area within the berms unless otherwise agreed upon by an OSIT. Material must be protected against erosion and will be removed and transferred to a permanent site by the following spring high water or as soon as possible under time and/or equipment limitations but not 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.

Future Plans:

Maintain the berms to assure use if an emergency situation arises. Evaluate the need for creating a bathtub by excavating material and hauling it to Blackhawk Park (9-670.5-LWP).

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☐ Endangered Species	Eagle nesting probable
☑ Floodplain Impact Analysis	No further analysis required
☑ NEPA	Covered by the GREAT and O&M, EIS
☑ Real Estate	Owned by federal government
☐ State	404(t) required 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
Indian Camp Light	665.0-665.8	H	4000	50-500	4050-4500	10-25


MISSISSIPPI RIVER
FLOW
3,981,000N
5,532,000E
3 ACRES
3,981,000N
5,532,000E
CHANNEL MAINTENANCE MANAGEMENT PLAN
9-665.8-RIE
INDIAN CAMP LIGHT PLACEMENT SITE
LEGEND
Pipeline Access
Barge Unloading Access
First Priority Fill Area
Iowa State Plane Grid, North Zone, NAD 83
Date of Photography: November 1992
SCALE: 1"=200'

9-664.3-RIT	Lansing	IA/Allamakee/Lansing	Federal Government
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 9.17T, Reference GREAT I Vol. 8-Part V). This site was endorsed by the RRF on 25 September 1986 (proposed by Corps at RRF meeting). GREAT selected the use of 4 acres at this site for temporary placement of material from cut 3. On 20 October 1983, the RRF deferred endorsement of the Lower Pool 9 Recon. report which identified this site as a temporary site but did not identify areas impacted. On 25 September 1986, the RRF endorsed a Corps proposal to excavate 150,000 cubic yards from this site for a landfill in Lansing, with subsequent dredging jobs placed at this site if they are large hydraulic jobs or at the Lansing Highway Bridge site (9-663.5-LWP) if they are small mechanical jobs, up to the amount excavated. In 1987-1988, 208,000 cubic yards were removed. This will be the capacity rather than 150,000.

Site Characteristics:

This site is a 9 acre diked containment site. The containment dike was constructed in the late 1970's. A small bay was created in the interior of the site when it was excavated, but the bay has since been filled. Adjacent land is bottomland forest and Mississippi River main channel.

Site Dimensions:

Area = 9 acres. The area is 850 feet by 460 feet. Excavated 208,000 cubic yards to reach Pre-Fill Elevation. Pre-Fill Elevation = 610.0. Maximum Fill Elevation = 650.0. LCP Elevation = 620.0. Estimated Capacity = 208,000 cubic yards.

Beneficial Use:

This site has been excavated and the material used beneficially for development in Lansing, IA and at Blackhawk Park recreation area. Material placed at this site will not be considered beneficial until it is removed for a beneficial project.

Equipment Requirments/Limitations:

Dredged material placement will be by mechanical or hydraulic methods.

Special Conditions/Restrictions:

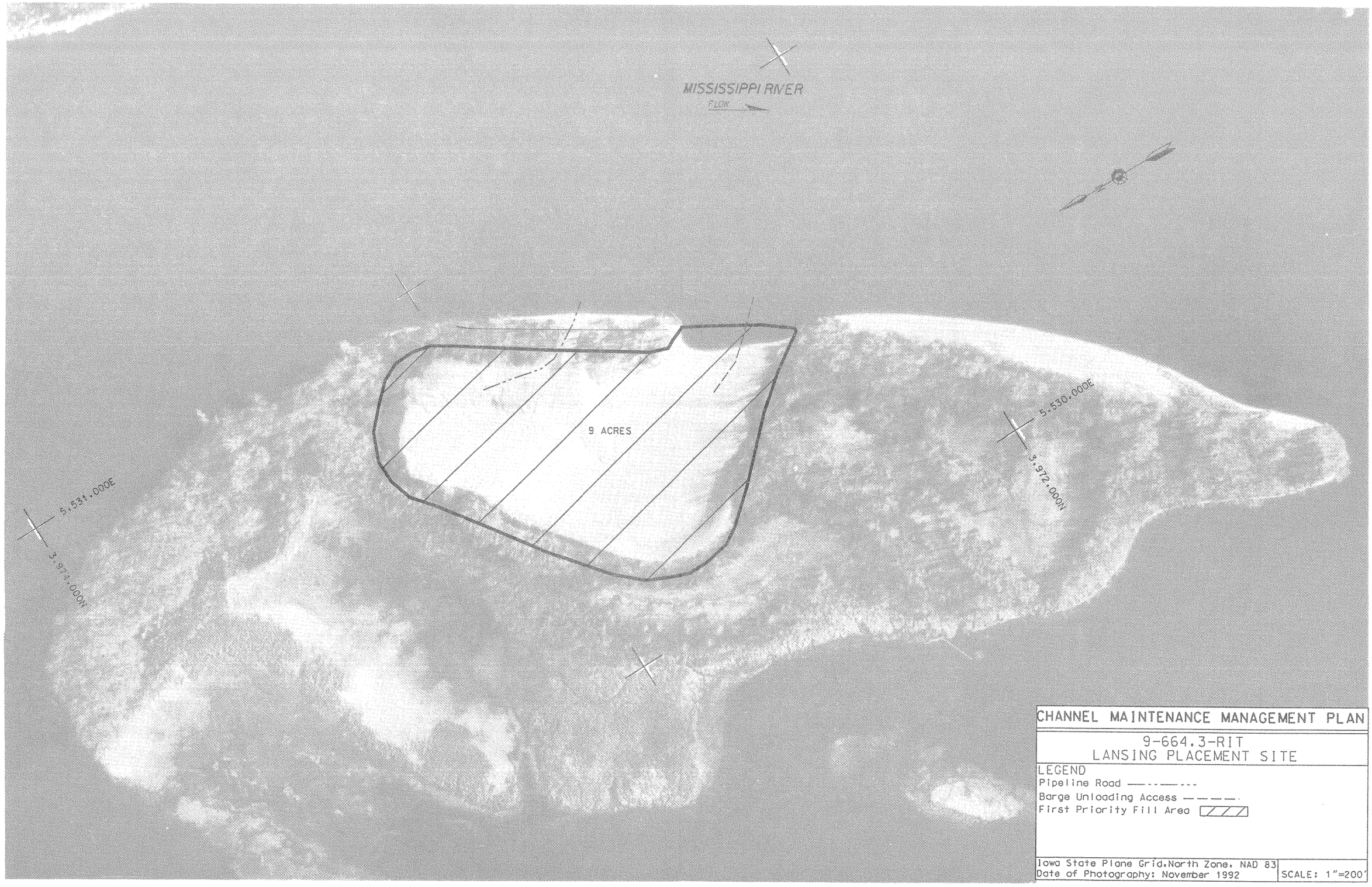
Existing vegetation on the outside of the containment area dike and adjacent wetland shall not be adversely impacted during operations. Material must be protected against erosion and material will be removed to a permanent site when economical or when capacity is reached. It will be transferred to the permanent Lansing Highway Bridge site (9-663.5-LWP).

Future Plans:

Maintain the berms at the site and continue to use as a transfer site and excavate material for beneficial projects when capacity is reached. Work on making the outside slope of the dike more gradual and stabilize. Use for emergencies or if the Lansing Highway Bridge site (9-663.5-LWP) has no capacity.

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	404(t) required if effluent
☐ 404(b)(1) Evaluatoin	Long-term 404(b)(1) proposed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Lansing Upper Light	663.8-664.9	H	500	25-1000	525-1500	0-30
Indian Camp Light	665.0-665.8	H	7000	25-1000	7025-8000	0-30


MISSISSIPPI RIVER
FLOW
9 ACRES
5,530,000E
3,972,000N
5,531,000E
3,971,000N
CHANNEL MAINTENANCE MANAGEMENT PLAN
9-664.3-RIT
LANSING PLACEMENT SITE
LEGEND
Pipeline Road
Barge Unloading Access
First Priority Fill Area
Iowa State Plane Grid, North Zone, NAD 83
Date of Photography: November 1992
SCALE: 1"=200'

9-663.5-LWP	Lansing Hwy. Bridge	WI/Crawford/Lansing	Federal Government
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was not selected by GREAT I (Site No. 9.50T). GREAT selected the use of 22 acres at GREAT site 9.26 (9-663.5-RIP), 1 acre at GREAT site 9.47 (9-660.0-RIP), and 4.1 acres at GREAT site 9.03 (9-663.0-RIP) for permanent placement of material from cut 3. On 30 March 1983 the RRF endorsed use of this site to test beneficial use, provide fill for the FWS parking lot, and create a staging area for the Lansing wingdam project. On 20 October 1983 the RRF deferred endorsement of the Lower Pool 9 Reconnaissance Report (Alt. B1), which recommended using 7 acres at this site for all material from cut 3, pending beneficial use effectiveness. On 8 December 1992, the RRF endorsed a Corps proposal to use 5 acres (see conditions in SPECIAL CONDITIONS/RESTRICTIONS section) for all material from cut 3.

Site Characteristics:

The entire site was a bottomland forest wetland. It is located adjacent to the State Highway 82 bridge at Lansing, IA. A FWS boat landing and parking area are located on the upstream end of the site. The site is within the floodplain. One acre has remained disturbed since 1984 to test beneficial use.

Site Dimensions:

Area = 5 acres. The area is 520 feet by 420 feet. Initial area will be 3.2 acres (250'X550'). Pre-Fill Elevation = 622.0. Maximum Fill Elevation = 642.0. LCP Elevation = 620.0. Estimated Capacity = 129,000 cubic yards.

Beneficial Use:

The Lower Pool 9 Recon. projected beneficial use of 7,500 cubic yards per year from this site. From 1984 to 1992, the site demonstrated beneficial use removal of 66,988 cubic yards or 8,374 cubic yards per year, but the site sat empty much of the time.

Equipment Requirments/Limitations:

Following construction of a dike, this site will be used hydraulically for dredging at cut 3 whenever possible. Mechanical placement will also be acceptable.

Special Conditions/Restrictions:

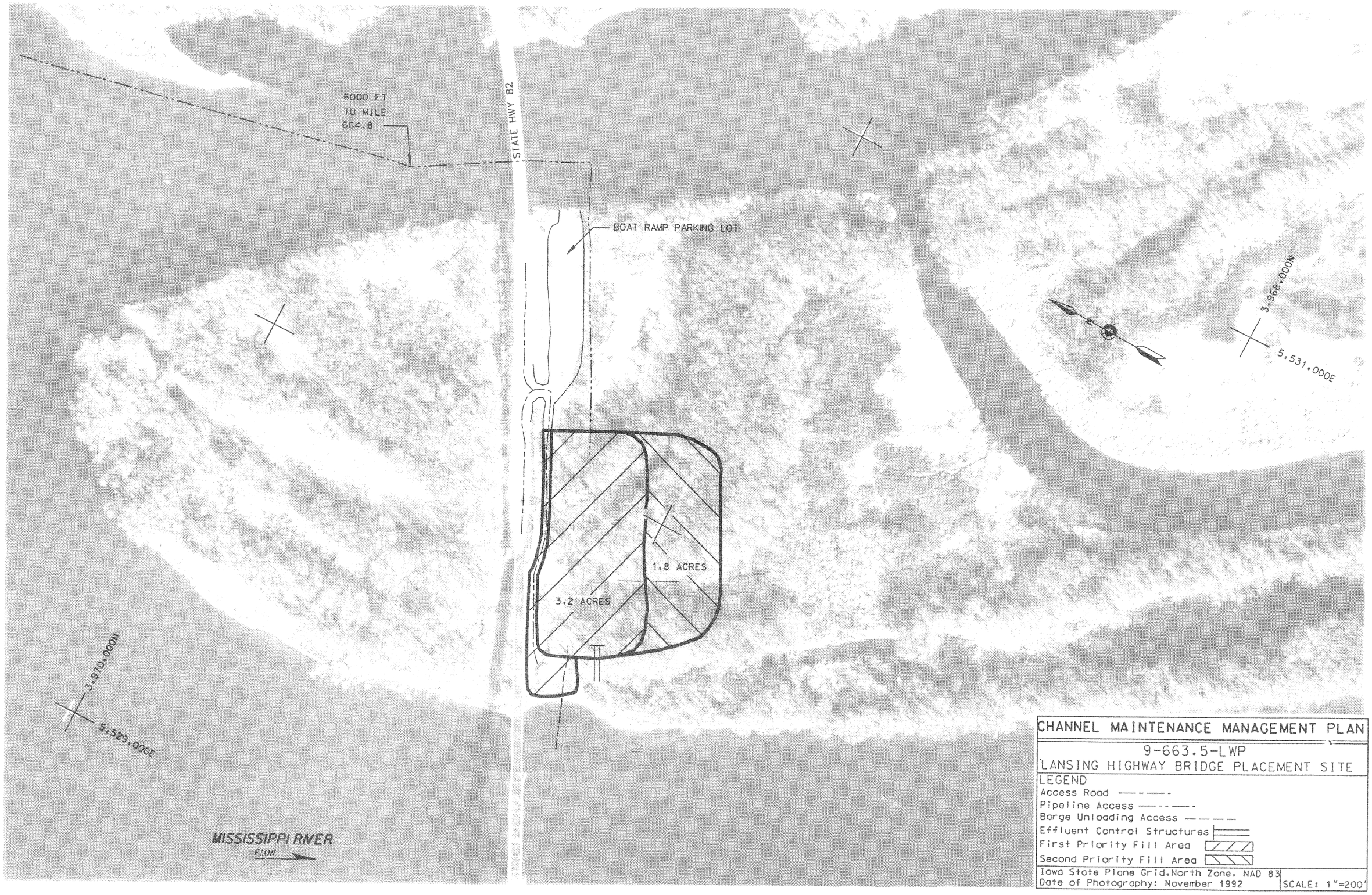
RRF Endorsement in 1992 had the following conditions: 1) Corps and FWS resolve mitigation issue; 2) endorse 5 acres but develop 3.2 as proposed and do not expand unless necessary. Coordinate the placement area configuration with the FWS to minimize conflicts with existing boat ramp use.

Future Plans:

Construct containment dike around the initial fill area (3.2 acres) and develop an access road along the toe of the Highway 82 bridge. Expand the site as needed to a maximum area of 5 acres.

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	Long-term 404(b)(1) proposed
Other:	

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Lansing Upper Light	663.8-664.9	M	5000	20-650	5020-5650	2-22
Indian Camp Light	665.0-665.8	M	11000	20-650	11050-11650	2-22



CHANNEL MAINTENANCE MANAGEMENT PLAN

9-663.5-LWP

LANSING HIGHWAY BRIDGE PLACEMENT SITE

LEGEND

Access Road

Pipeline Access

Barge Unloading Access

Effluent Control Structures

First Priority Fill Area

Second Priority Fill Area

Iowa State Plane Grid.North Zone. NAD 83

Date of Photography: November 1992

SCALE: 1"=200'