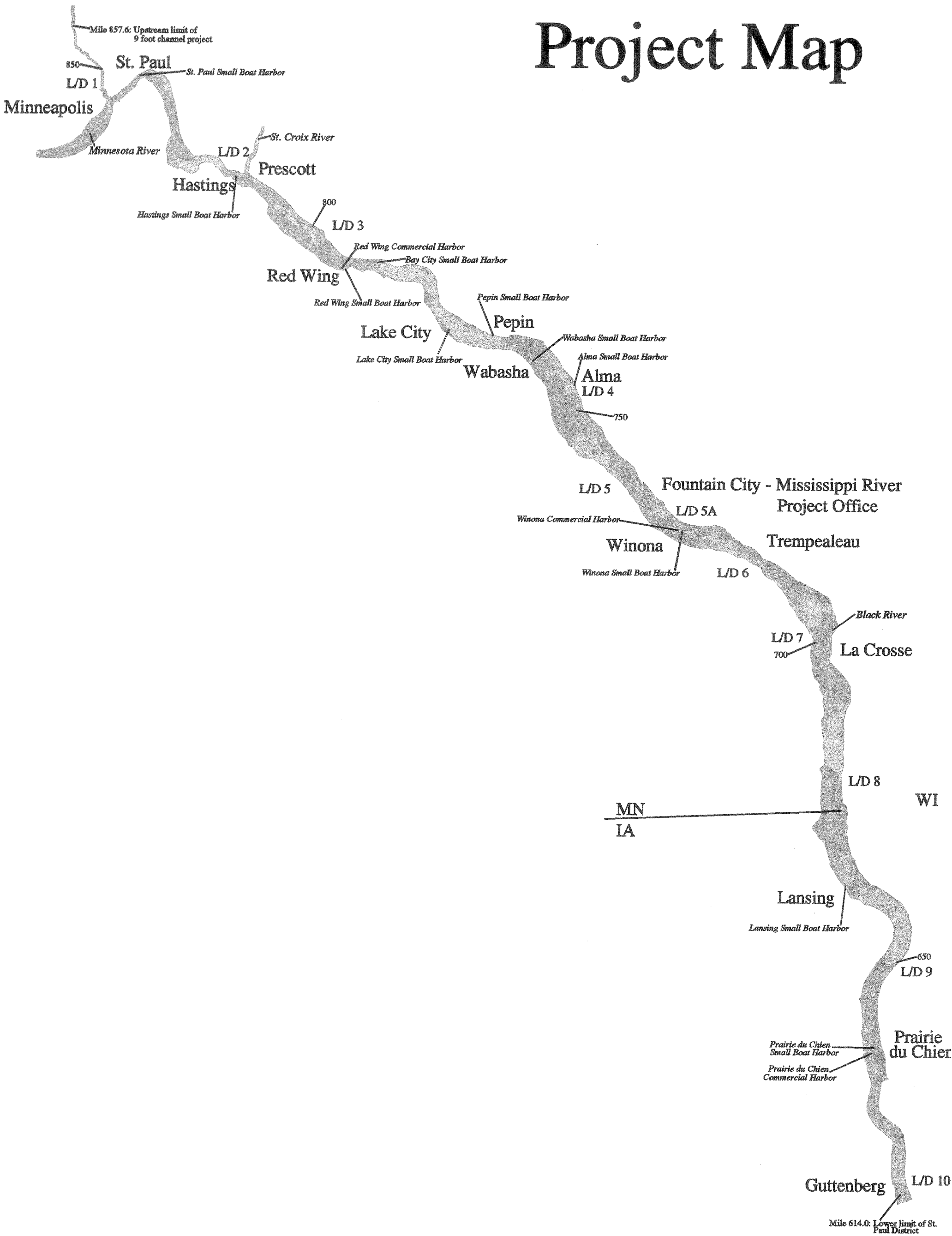


Upper Mississippi River System Navigation Projects						
St. Paul District						
Location and Authorized Dimensions						
Project	Location			Dimensions (FT)		Distance Miles
	Pool(s)	River Miles	Cities	Width	Depth	
Channels						
Upper Mississippi River	USAF	857.6-853.4	Minneapolis, MN	150	9	4.2
	1 - 2	853.4-815.2	Mpls, MN - Hastings, MN	200	9	38.2
	3 - 10	815.2-614.0	Hastings, MN - Guttenberg, IA	300	9	201.2
Minnesota River		25.6-14.7	Shakopee, MN - Savage, MN		4	10.9
	2-844.0RB	14.7-0.0	Savage, MN - Mpls, MN	100	9	14.7
St. Croix River		51.8-24.5	Taylors Falls, MN - Stillwater, MN		3	27.3
	3-811.3LB	24.5-0.0	Stillwater, MN - Prescott, WI	200	9	24.5
Black River	8-698.2LB	1.4-0.0	LaCrosse, WI	300	9	1.4
				Total miles 3 and 4 foot channel:		38.2
				Total miles 9 foot channel:		284.2
Harbors						
St. Paul	2	839.6 RB	St. Paul, MN		5	
Hastings	3	813.1 RB	Hastings, MN		5	
Red Wing Commercial	4	791.3 RB	Red Wing, MN		9	
Red Wing Recreational	4	791.1 RB	Red Wing, MN		5	
Bay City, WI	4	786.8 LB	Bay City, WI		5	
Lake City	4	772.6 RB	Lake City, MN		5	
Pepin	4	767.0 LB	Pepin, WI		5	
Wabasha	4	760.5 RB	Wabasha, MN		5	
Alma	4	754.0 LB	Alma, WI		5	
Winona Recreational	6	726.1 LB	Winona, MN		5	
Winona Commercial	6	726.1 RB	Winona, MN		9	
Lansing	9	663.5 RB	Lansing, IA		5	
Prairie du Chien Rec	10	636.0 LB	Prairie du Chien, WI		5	
Prairie du Chien Comm	10	635.2 LB	Prairie du Chien, WI		9	
				Total Number of Recreational Harbors:		11
				Total Number of Commercial Harbors:		3

April 1996

Project Map



DESIGNATED PLACEMENT SITES BY DREDGING LOCATION			KEY for Placement Methods									
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Historic Dredge Cuts			Placement Site Alternatives and Placement Methods									
Pool-Cut #	Cut Name	Location	Transfer Site If Required	Meth.	First Priority Perm. Site	Meth.	Second Priority Perm. Site	Meth.	Third Priority Perm. Site	Meth.	Emergency	Meth.
*** Main Channel Dredging ***												
MN-5	Above Savage R.R. Br.	14.3-14.7			MN-13.5-RMP	H,M						
MN-4	Cargill Slip	12.8-13.6			MN-13.5-RMP	H,M						
MN-3C	Peterson's Bar	11.8-12.4			MN-12.1-RMP	H,M						
MN-3B	Below Peterson's Bar	11.2-11.8			MN-12.1-RMP	H,M						
MN-3A	Above 35W Br.	10.7-11.2			MN-10.1-RMP	M						
MN-2	4Mile Cut-Off	3.8-4.7			MN-7.3-RMP	M						
MN-1	Mouth of MN River	0.0-0.5			2-840.4-RMP	M						
SC-1	Kinnickinnic Bar	6.0-6.5			SC-6.7-LWP	H,M	SC-6.5-LWP	H,M	3-811.5-LMP	M&H		
USAF-3	Mpls. Turning Basin	856.8-857.6			U-856.6-RMP	H,M						
USAF-2	Above Lowry Ave. Br.	856.4-856.8			U-856.6-RMP	H,M						
USAF-1B	Broadway Ave. Br.	855.5-856.1			U-856.6-RMP	M						
USAF-1A	Above Plymouth Ave. Br.	854.8-855.5			U-856.6-RMP	M						
1-7B	Lower Appch. LSAF	853.4			1-853.2-LMP	M						
1-7A	Washington Ave. Br.	852.5-853.0			1-853.2-LMP	M						
1-6	Above Franklin Ave. Br.	851.6-853.4			1-853.2-LMP	M					1-851.3-LME	H
1-5	Below Franklin Ave. Br.	850.7-851.4			1-853.2-LMP	M					1-851.3-LME	H
1-4	Above Lake Street Br.	849.9-850.5			1-853.2-LMP	M					1-849.5-RME	H
1-3	Below Lake Street Br.	848.9-849.9			1-853.2-LMP	M					1-849.5-RME	H
1-2	St. Paul Daymark	848.5-848.9			1-853.2-LMP	M						
1-1	Upper Appch. L/D 1	847.7-848.4			1-853.2-LMP	M						
2-9	Above & Below Smith Ave.	840.0-841.3			2-840.4-RMP	M,H						
2-7	St. Paul Barge Terminal	836.4-837.8			2-836.3-RMP	H						
2-5B	Grey Cloud Slough	827.5-828.3	2-823.8-LMT	M	2-822.5-LMP	H	2-823.8-RMP(1)	M				
2-5A	Robinson Rocks	826.1	2-823.8-LMT	M	2-822.5-LMP	H	2-823.8-RMP(1)	M				
2-4	Pine Bend	822.7-823.7	2-823.8-LMT	H,M	2-822.5-LMP	H	2-823.8-RMP(1)	M				
2-3	Boulangier Bend	820.8-821.4	2-821.5-RMT	H,M	2-822.5-LMP	H	2-823.8-RMP(1)	M				
2-2	Boulangier Bend Lower Light	819.0-819.8	2-821.1-RMT	H,M	2-822.5-LMP	H	2-823.8-RMP(1)	M				
3-9	Lower Appch. L/D 2	814.9-815.1			3-814.7-RMP	M	3-815.1-RMP	M				
3-7	Prescott	810.3-811.7			3-811.5-LMP	H	3-813.2-RMP	M				
3-5B	Truedale Slough	807.9-808.6			3-808.4-LWP	H						
3-5A	Four Mile Island	807.0-807.9			3-808.4-LWP	H						
3-4	Big River	804.1-806.0	3-799.2-RMT	M	3-798.0-LWP	H						
3-3	Morgans Coulee	801.9-803.0	3-799.2-RMT	M	3-798.0-LWP	H					3-802.3-RME	H,M
3-2	Coulters Island	800.8-801.8	3-799.2-RMT	M	3-798.0-LWP	H					3-801.7-LWE	H
3-1	Diamond Bluff	798.8-800.4	3-799.2-RMT	H,M	3-798.0-LWP	H						
4-10	Trenton	794.0-794.6			4-794.3-RMP	H,M	4-791.6-RM	M				
4-9	Cannon River	792.1-793.5			4-791.6-RMP	M,H						

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Historic Dredge Cuts			Placement Site Alternatives and Placement Methods									
Pool-Cut #	Cut Name	Location	Transfer Site If Required	Meth.	First Priority Perm. Site	Meth.	Second Priority Perm. Site	Meth.	Third Priority Perm. Site	Meth.	Emergency	Meth.
4-8	Above Red Wing Hwy. Br.	790.8-791.2			4-791.6-RMP	M,H	4-788.5-RMP(2)	M				
4-7	Below Red Wing Hwy. Br.	789.5-790.3			4-791.6-RMP	M	4-788.5-RMP(2)	M				
4-6	Head of Lake Pepin	785.2-785.4			4-791.6-RMP	M						
4-5B	Chippewa Delta	763.2	4-762.7-LWT	H	4-761.0-RMP	H	4-761.1-RMP(3)	H				
4-5A	Reads Landing	761.8-763.8	4-762.7-LWT	H,M	4-761.0-RMP	H	4-761.1-RMP(3)	H,M				
4-4	Above Crats Island	758.5-759.5	4-759.3-LWT	H,M	4-760.2-RMP	H	4-759.5-RMP	H	4-759.3-RMP	H		
4-3	Above Teepeeota Point	757.0-757.9	4-757.5-LW	H,M								
4-2	Grand Encampment	755.8-756.9	4-756.5-LWT	H,M	4-754.0-LWP	M						
4-1	Beef Slough	753.9-754.6			4-754.0-LWP	M,H						
5-8	Lower Appch. L/D 4	752.6-752.8	5-748.0-RMT	M	5-749.8-RMP	M,H						
5-7	Mule Bend	748.6-749.6	5-748.0-RMT	H,M	5-749.8-RMP	M,H						
5-6	West Newton	748.2-747.2	5-748.0-RMT	H,M	5-749.8-RMP	M,H						
5-5	Below West Newton	746.0-746.8	5-748.0-RMT	M	5-749.8-RMP	M,H						
5-4	Fisher Island	744.8-746.0	5-745.8-RMT	H,M	5-744.0-RMP	H						
5-3	Lower Zumbro	744.0-744.6	5-744.7-LWT	H,M	5-744.0-RMP	H						
5-2	Sommerfield Island	742.6-743.9	5-744.7-LWT	M	5-744.0-RMP	H						
5A-5	Island 58	734.0-735.2			5A-738.2-RMP	M	5A-733.5-LWP	M	5A-731.9-LWP	M	5A-734.5-LWE	H
5A-4	Fountain City	733.3-733.8			5A-731.9-LWP	H,M	5A-733.5-LWP	M				
5A-3	Betsy Slough	731.0-732.0			5A-731.9-LWP	H,M	5A-733.5-LWP	M				
5A-2	Wilds Bend	730.2-730.7	5A-730.5-LWT	H,M	5A-731.9-LWP	H,M	5A-733.5-LWP	M				
6-3	Below Winona R.R. Br.	723.4-723.8			6-726.3-RMP	M						
6-2	Gravel Point	721.8-722.9			6-720.5-RMP	M						
6-1	Homer	720.4-721.1			6-720.5-RMP	H,M						
7-7	Lower Appch. L/D 6	714.0-714.3			7-714.1-LWP	H,M						
7-6	Richmond Island	711.4-712.3			7-714.1-LWP	M	7-713.1-RMP	M				
7-4	Winters Landing	707.4-709.3			7-714.1-LWP	M					7-708.7-LWE	H,M
7-3	Dakota	706.1-706.6	7-706.5-RMT	H,M	7-707.3-RMP	H						
7-2B	Head of Dresbach	704.0-705.3	7-706.5-RMT	M	7-707.3-RMP	H						
7-2A	Lower Dresbach Island	703.0-703.7	7-706.5-RMT	M	7-707.3-RMP	H						
7-1	Upper Appch. L/D 7	702.9-702.5	7-706.5-RMT	M	7-707.3-RMP	H						
8-10	LaCrosse R.R. Br.	699.8-700.4			8-696.1-LWP	M						
8-9	Sand Slough	694.3-695.0			8-696.1-LWP	M						
8-7	Picayune Island	691.4-692.4			8-696.1-LWP	M						
8-6	Above Brownsville	689.9-690.8	8-690.4-LWT	H,M	8-696.1-LWP	M						
8-5	Brownsville	688.7-689.4			8-688.7-RMP	H,M						
8-4	Head of Raft Channel	687.5-688.7			8-688.7-RMP	H,M						
8-3	Deadman's Slough	686.5-687.5			8-688.7-RMP	H,M						
9-10	Lower Appch. L/D 8	678.7-679.2			9-677.7-LWP	M						

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Pool-Cut #	Cut Name	Location	Transfer Site If Required	Meth.	First Priority Perm. Site	Meth.	Second Priority Perm. Site	Meth.	Third Priority Perm. Site	Meth.	Emergency	Meth.
9-9	Island 126	677.5-678.4			8-695.7-LWP	M						
9-8	Twin Island	676.0-676.6			9-677.7-LWP	M	8-695.7-LWP	M				
9-6	Battle Island	671.0-672.0			9-670.5-LWP	M,H						
9-4	Indian Camp Light	665.0-665.8			9-670.5-LWP	M	8-695.7-LWP	M			9-665.8-RIE	H,M
9-3	Lansing Upper Light	663.8-664.9			9-663.5-LWP	H,M					9-664.3-RIT	H,M
10-9	Hay Point	646.0-646.6			10-647.1-LWP	M						
10-8	Jackson Island	643.7-644.7	10-643.5-LWI(4)	H	10-642.4-LWP	H,M					10-644.5-RIE	H,M
10-7	Mississippi Gardens	642.7-643.4			10-642.4-LWP	H,M						
10-6	East Channel	633.2-635.8			10-635.0-LWP	M						
10-3	Wyalusing	627.3-628.0			10-628.0-LWP	H	10-627.8-LWP(5)	H,M				
10-2	McMillan Island	618.4-619.6	10-618.7-RIT	H,M	10-618.0-RIP	H						
*** Authorized Harbor Dredging ***												
2	St. Paul SBH	839.6			2-840.4-RMP	M						
3	Hastings SBH	813.2			3-814.7-RMP	M						
4	Red Wing Comm. Harbor	791.5			4-791.6-RMP	H,M						
4	Red Wing SBH	791.0			4-791.6-RMP	H,M						
4	Bay City SBH	786.8			?	?					?	?
4	Lake City SBH	772.5	4-762.7-LWT	M	4-761.0-RMP	H						
4	Pepin SBH	767.0	4-762.7-LWT	M	4-761.0-RMP	H						
4	Wabasha SBH	760.5	4-762.7-LWT	M	4-761.0-RMP	H						
4	Alma SBH	754.0			4-754.0-LWP	M						
6	Winona Comm. Harbor	726.3			6-726.3-RMP	M						
6	Winona SBH	726.1			6-726.3-RMP	M	6-726.0-LM	M				
9	Lansing SBH	663.5			9-663.5-LWP	M						
10	Prairie Du Chien Comm. H.	635.2			10-635.0-LWP	M						
10	Prairie Du Chien SBH	636.0			10-635.0-LWP	M						

NOTES FOR DESIGNATED PLACEMENT SITES BY DREDGING LOCATION (April 1998)

- (1) - This site has potential for use and would supplement the CMMP and provide greater longevity to the recommended sites.
- (2) - This site has potential for use and would supplement the CMMP and provide greater longevity to the recommended sites.
Material placement at this site or the first priority site will depend on the demand at each site by the City of Red Wing.
- (3) - This site will be retained in the plan because of unknowns with predictions of dredging requirements and beneficial use.
Actual dredging records show an increase in dredging quantities in the Wabasha area cuts.
- (4) - This is an inwater rehandling site for cut 8. The exact rehandling location may vary based on OSIT recommendations
but will be between miles 643.2 and 643.8 using the criteria set forth on page B-6 on the 1985 Pool 10 Reconnaissance Report.
- (5) - The Pool 10 Reconnaissance Report endorsed on 9/30/85 added this site to the plan. Placement will be considered when
a job in the area is required.