

**Appendix I.**

**Field Survey Data Base**

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	UP1	UP1	UP1	UP2
DATE	18-Sep-95	18-Sep-95	18-Sep-95	18-Sep-95
TIME	04:15 PM	03:30 PM	04:00 PM	04:30 PM
RIVER	IL	IL	IL	IL
RIVER MILE @ MIDPOINT	270.3	270.3	270.3	270.3
UTM X		391640.4		391694.5
UTM Y		4583560.1		4583366.4
BANK PROFILE TYPE	up	mp	dn	mp
RDB/LDB	RDB	RDB	RDB	LDB
POOL NAME	Marseilles Pool	Marseilles Pool	Marseilles Pool	Marseilles Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n	n
ARCHEOLOGICAL SITE	n	n		n
SORROUNDING STRUCTURES	d/s of Dresden dam	d/s of Dresden dam	d/s of Dresden dam	d/s of Dresden island L&D.u/s of R.R. draw bridge
COMMERCIAL TRAFFIC LEVEL				
RECREATIONAL TRAFFIC LEVEL				H
ESTIMATED DISTANCE TO THE SAILING LINE	187.5'	187.5'	187.5'	281.3'
LAND USE ON BANK CREST	G(Weeds)	G(Weeds)	G(Weeds)	G(Weeds)
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds)	G(Weeds)	G(Weeds)	G(Weeds)
TYPE OF VEGETATION AT SCARP FACE		bare face, 4' tall	G(Weeds)	W (small trees..1 to 2 yrs. old. Medium diameter.. 6")
TYPE OF VEGETATION AT BENCH	NO	NO	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE		NO		Tree roots cover the scarp face.
OVERLAND DRAINAGE AT THE SITE		NO	NO	NO
BANK EROSION TYPE	B, L, FD, P, W, RT	?	Scarp	Scarp. FD, P, W, RT
SCARP HEIGHT	19.1'	11.0'	5.3'	
SCARP SLOPE	1.05H:1V	0.23H:1V	0.38H:1V	
SCARP SOIL TYPE	ML	ML (Dredge material)	ML	GP (boulders)
BERM HEIGHT	6.4'	1.2'	1.9'	7.1'
BERM WIDTH	10'	1.0'	2.0'	31.4'
BERM SOIL TYPE	ML	SM	SM	GP (boulders)
UNDER WATER SLOPE	6.72H:1V	7.63H:1V	9.01H:1V	10.99H:1V
BENCH SEDIMENT TYPE	Uniform sand	Uniform sand	Uniform sand	GP (Rocks)
SUBAQUOUS BENCH DESCRIPTION	Gravel & Sand filled	Sandy		Sandy

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	UP3	UP3
DATE	19-Sep-95	20-Sep-95
TIME	08:20 AM	07:30 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	264.3	264.3
UTM X	382564.0	382481.9
UTM Y	4579447.5	4579403.0
BANK PROFILE TYPE	up	mp
RDB/LDB	LDB	LDB
POOL NAME	Marseilles Pool	Marseilles Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE	n	n
SORROUNDING STRUCTURES	d/s of a boat ramp approx. 100'	Boat ramps, Docks, Trailer park at top of bank.
COMMERCIAL TRAFFIC LEVEL		H
RECREATIONAL TRAFFIC LEVEL	H	H
ESTIMATED DISTANCE TO THE SAILING LINE	250'	250'
LAND USE ON BANK CREST		Trailer park
TYPE OF VEGETATION ON TOP OF BANK	W(Tall trees)G(grass)	Mowed lawn with trees(Oak,Hickory,Hardwoods)
TYPE OF VEGETATION AT SCARP FACE	A(some vines, Old Field)	Bare scarp, weedy berm, sandy bench
TYPE OF VEGETATION AT BENCH	NO	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1' from top	2' to 3' exposed roots at scarp
OVERLAND DRAINAGE AT THE SITE	NO	NONE
BANK EROSION TYPE	FD, P, TR, W	F, C, S, B, L, P, W, R & T
SCARP HEIGHT	3.5'	3.5'
SCARP SLOPE	0.17H:1V	0.86H:1V
SCARP SOIL TYPE	ML	ML
BERM HEIGHT	2.3'	1.6'
BERM WIDTH	8.9'	2.5'
BERM SOIL TYPE	ML	ML
UNDER WATER SLOPE	21.74H:1V	21.74H:1V
BENCH SEDIMENT TYPE	Uniform sand	Sand
SUBAQUOUS BENCH DESCRIPTION	Mildly sloping, Sandy	Mildly sloping, Sandy

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	UP3	UP4
DATE	20-Sep-95	20-Sep-95
TIME	08:00 AM	10:30 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	264.3	262.1
UTM X	382349.9	379478.2
UTM Y	4579336.0	4578428.5
BANK PROFILE TYPE	dn	up
RDB/LDB	LDB	LDB
POOL NAME	Marseilles Pool	Marseilles Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE	n	n
SORROUNDING STRUCTURES	Boat docks, rock piles along bank.Camp trailer park at top of bank.	Fleeting area
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL	H	
ESTIMATED DISTANCE TO THE SAILING LINE	250'	250'
LAND USE ON BANK CREST	Trailer park	A(Corn)
TYPE OF VEGETATION ON TOP OF BANK	Mowed grass & hardwoods	G(Weeds)W(Ash)
TYPE OF VEGETATION AT SCARP FACE	Bare scarp, weedy berm/bench, sandy bench	Bare scarp, sandy bench & berm
TYPE OF VEGETATION AT BENCH	NONE	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	2' to 3' exposed roots in scarp area	3' exposed roots
OVERLAND DRAINAGE AT THE SITE	NONE	Yes. Rilling at scarp
BANK EROSION TYPE	F, C, S, B, L, P, W, R & T	F, C, B, L, P, W, R & T
SCARP HEIGHT	2.5'	5.2'
SCARP SLOPE	0.60H:1V	0.48H:1V
SCARP SOIL TYPE	ML	SM
BERM HEIGHT	4.1'	1.1'
BERM WIDTH	14.5'	2.0'
BERM SOIL TYPE	ML	SM
UNDER WATER SLOPE	20.83H:1V	7.52H:1V
BENCH SEDIMENT TYPE	Contaminated sediment, Rock piles, boulders in water	1.5" sand over SM
SUBAQUOUS BENCH DESCRIPTION	Mildly sloping sandy bench. contaminated sediment	Sandy bench & berm

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	UP4	UP4
DATE	20-Sep-95	20-Sep-95
TIME	10:00 AM	10:20 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	262.1	262.1
UTM X	379101.9	378915.2
UTM Y	4578414.3	4578397.3
BANK PROFILE TYPE	mp	dn
RDB/LDB	LDB	LDB
POOL NAME	Marseilles Pool	Marseilles Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE	n	n
SORROUNDING STRUCTURES	Mooring & Fleeting area (Left bank only)	Barge fleeting area, 1000' d/s of a parked barge
COMMERCIAL TRAFFIC LEVEL		?
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	250'	250'
LAND USE ON BANK CREST	A(Corn)	Navigable channel
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds) & 1 tree in vicinity of Midpoint	A(OLD FIELD. 6-8')
TYPE OF VEGETATION AT SCARP FACE	Bare scarp, some weeds on berm. Bare sandy bench.	Not much. Bare face
TYPE OF VEGETATION AT BENCH	NONE	Not observed
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1 tree near MP with 3' root exposure	NO
OVERLAND DRAINAGE AT THE SITE	Yes..rilling at scarp	NO
BANK EROSION TYPE	F, C, B, L, P, W, R & T	F, B, W, P, FD, R & T
SCARP HEIGHT	6.5'	5.4'
SCARP SLOPE	0.54H:1V	0.796H:1V
SCARP SOIL TYPE	SM	ML (Top), MH (Bottom)
BERM HEIGHT	0.5'	3.2'
BERM WIDTH	1.0'	9.8'
BERM SOIL TYPE	SM	MH
UNDER WATER SLOPE	12.50H:1V	10.20H:1V
BENCH SEDIMENT TYPE	1.5" sand over SM	SC, CH
SUBAQUOUS BENCH DESCRIPTION	Sandy bench over silt/clay	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	UP5	1
DATE	20-Sep-95	28-Aug-95
TIME	11:00 AM	12:45 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	262.1	242.0
UTM X	379069.4	351053.5
UTM Y	4578598.0	4577258.3
BANK PROFILE TYPE	mp	up
RDB/LDB	RDB	LDB
POOL NAME	Marseilles Pool	Marseilles Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE	no	
SORROUNDING STRUCTURES	Fleeting area across river on LT bank	
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	300'	250'
LAND USE ON BANK CREST	A(Corn)	W (Tall Ash?)
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds)W(Trees)	y
TYPE OF VEGETATION AT SCARP FACE	Bare scarp & bench	Yes
TYPE OF VEGETATION AT BENCH	NONE	NO.Gravel Bank,debris exposed root system for many live trees.soil washed away
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	2' to 3' exposed roots	Top 1/3
OVERLAND DRAINAGE AT THE SITE	Yes...rilling at top of scarp	No clear drainage
BANK EROSION TYPE	F, C, S, B, L, P, W, R & T	ML
SCARP HEIGHT	2.8'	10.0'
SCARP SLOPE	0.46H:1V	0.80H:1V
SCARP SOIL TYPE	ML/SC	
BERM HEIGHT	4.8'	
BERM WIDTH	12.7'	
BERM SOIL TYPE	ML/SC	Consolidated clay
UNDER WATER SLOPE	26.00:1V	40.65:1V
BENCH SEDIMENT TYPE	ML/SC	Gravel
SUBAQUOUS BENCH DESCRIPTION	Flat, silty/clay bench	No bench

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	1	2
DATE	28-Aug-95	28-Aug-95
TIME	10:45 AM	11:45 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	242.8	243.4
UTM X	350741.4	351073.2
UTM Y	4577495.6	4577241.0
BANK PROFILE TYPE	mp	mp
RDB/LDB	LDB	LDB
POOL NAME	Marseilles Pool	Marseilles Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE		
SORROUNDING STRUCTURES	u/s of Four star Marina, 0.3 mile. u/s of a delta	Across the river there is a Barge terminal
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL	M To H	M to H
ESTIMATED DISTANCE TO THE SAILING LINE	406'	250'
LAND USE ON BANK CREST	W (Tall Oak 10 to 30 Ft.) A (Soybean Field)	W (Oak 30'-40')
TYPE OF VEGETATION ON TOP OF BANK	W (tall Oak)	G (small weeds)
TYPE OF VEGETATION AT SCARP FACE	W (2 to 3 Yrs. old Maple Tree)	Grass roots, no yearly trees
TYPE OF VEGETATION AT BENCH	Yes. 4 To 6 Yrs. Old Trees	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Yes. average 3'2" depth root system. Seems has been Exposed several Yrs.	Covers whole height of the bank
OVERLAND DRAINAGE AT THE SITE	Bank drainage, d/s of main transect	Clear moist layer at bottom of steep face
BANK EROSION TYPE	S,B,L,R&T.Weathering	P,S,R & T
SCARP HEIGHT	12.5'	6.0'
SCARP SLOPE	0.53H:1V	0.53H:1V
SCARP SOIL TYPE	Clay silt, silt consolidated	SC
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	GC	SW, SP
UNDER WATER SLOPE	6.06:1V	17.24H:1V
BENCH SEDIMENT TYPE	Coarse sand,gravel	Fine sand.5" to 8", silt underneath
SUBAQUOUS BENCH DESCRIPTION		Mildly sloping, sandy

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	3	3
DATE	28-Aug-95	28-Aug-95
TIME	04:00 PM	04:13 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	236.0	235.7
UTM X	340784.5	340696.9
UTM Y	4576162.3	4576152.8
BANK PROFILE TYPE	up	mp
RDB/LDB	RDB	RDB
POOL NAME	Starved Rock	Starved Rock
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Spoil site, levee	
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE		
SORROUNDING STRUCTURES	Sheehan Island	Sheehan Island
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL	H	H
ESTIMATED DISTANCE TO THE SAILING LINE	125'	125'
LAND USE ON BANK CREST	W (Cottonwood. dia 10")	
TYPE OF VEGETATION ON TOP OF BANK	G (some weeds)	
TYPE OF VEGETATION AT SCARP FACE	G (some 1-2 yrs old bushes)	
TYPE OF VEGETATION AT BENCH	N	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Trees fell half way, stabilized and regrew	
OVERLAND DRAINAGE AT THE SITE	No obvious drainage	
BANK EROSION TYPE	W, L, SL	W, S, B, undercut
SCARP HEIGHT	17.8'	15.0'
SCARP SLOPE	0.10H:1V	0.40H:1V
SCARP SOIL TYPE	GC	
BERM HEIGHT		5.0'
BERM WIDTH		6.0'
BERM SOIL TYPE	SM	
UNDER WATER SLOPE	50.00H:1V	8.00:1V
BENCH SEDIMENT TYPE	GP	
SUBAQUOUS BENCH DESCRIPTION	There is a rework zone (berm).	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	3
DATE	28-Aug-95
TIME	03:20 PM
RIVER	IL
RIVER MILE @ MIDPOINT	235.8
UTM X	340557.6
UTM Y	4576153.5
BANK PROFILE TYPE	dn
RDB/LDB	RDB
POOL NAME	Starved Rock
GEOMORPHIC CHARACTER	STRAIGHT REACH
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	
ARCHEOLOGICAL SITE	
SORROUNDING STRUCTURES	From Nav. chart there is a lake behind it, Sheehan Island
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	125'
LAND USE ON BANK CREST	W (Maple, Elm, Locust.Sparse wood.Dia=3"-6".trees has exposed roots)
TYPE OF VEGETATION ON TOP OF BANK	
TYPE OF VEGETATION AT SCARP FACE	NONE
TYPE OF VEGETATION AT BENCH	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	5' from top
OVERLAND DRAINAGE AT THE SITE	No obvious drainage
BANK EROSION TYPE	W, L, SL
SCARP HEIGHT	13.5'
SCARP SLOPE	0.089H:1V
SCARP SOIL TYPE	ML
BERM HEIGHT	
BERM WIDTH	
BERM SOIL TYPE	SM
UNDER WATER SLOPE	12.05H:1V
BENCH SEDIMENT TYPE	GP, Shells
SUBAQUOUS BENCH DESCRIPTION	Fine sand, shells..seems from bank

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	4
DATE	28-Aug-95
TIME	06:25 PM
RIVER	IL
RIVER MILE @ MIDPOINT	228.1
UTM X	329394.2
UTM Y	4576201.9
BANK PROFILE TYPE	up
RDB/LDB	LDB
POOL NAME	Peoria Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	
ARCHEOLOGICAL SITE	y
SORROUNDING STRUCTURES	d/s of Starved Rock L&D; spoil site across the river
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	Wave impact can be severe
ESTIMATED DISTANCE TO THE SAILING LINE	362.5'
LAND USE ON BANK CREST	W (dia>1')
TYPE OF VEGETATION ON TOP OF BANK	W
TYPE OF VEGETATION AT SCARP FACE	Yes
TYPE OF VEGETATION AT BENCH	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed root system can demonstrate how much erosion has been..but trees survived and established protection system
OVERLAND DRAINAGE AT THE SITE	Fairly extended bank erosion site
BANK EROSION TYPE	P(above tree line),W,R&T
SCARP HEIGHT	2.8'
SCARP SLOPE	3.21H:1V
SCARP SOIL TYPE	ML
BERM HEIGHT	
BERM WIDTH	
BERM SOIL TYPE	
UNDER WATER SLOPE	18.18H:1V
BENCH SEDIMENT TYPE	Clay bottom, covered with shells
SUBAQUOUS BENCH DESCRIPTION	Beach is mild slope..has gravel and shells (mussel site)

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	4	4	5
DATE	28-Aug-95	28-Aug-95	28-Aug-95
TIME	06:40 PM	07:00 PM	07:40 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	228.0	228.0	229.0
UTM X	329198.4	329002.3	329950.4
UTM Y	4576183.1	4576184.0	4576590.3
BANK PROFILE TYPE	mp	dn	up
RDB/LDB	LDB	LDB	RDB
POOL NAME	Peoria Pool	Peoria Pool	Peoria Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	
ARCHEOLOGICAL SITE	n	n	y
SORROUNDING STRUCTURES	N/A	N/A	d/s of a dock
COMMERCIAL TRAFFIC LEVEL			H
RECREATIONAL TRAFFIC LEVEL			H
ESTIMATED DISTANCE TO THE SAILING LINE	362.5'	362.5'	437.5'
LAND USE ON BANK CREST	G,W (25' wooded behind this..Trees have exposed roots.)	G & W (Maple)	A (Corn)
TYPE OF VEGETATION ON TOP OF BANK	G	G,W (Maple)	G (high weeds. 5')
TYPE OF VEGETATION AT SCARP FACE	G, W	G	G (Weeds)
TYPE OF VEGETATION AT BENCH	G	None	None
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed roots	Exposed roots..3-4' exposure	Weeds
OVERLAND DRAINAGE AT THE SITE	No specific OB drainage noted	Piping features noted in upper half of bank	
BANK EROSION TYPE	?		
SCARP HEIGHT	8'	7'	6.6'
SCARP SLOPE	10H:1V	5H:1V	0.697H:1V
SCARP SOIL TYPE	SM	SC	SC
BERM HEIGHT	3'	0.5'	2.6'
BERM WIDTH	12'	10'	17.7'
BERM SOIL TYPE	SM	SC	
UNDER WATER SLOPE	21.28H:1V	25.64H:1V	21.74H:1V
BENCH SEDIMENT TYPE	Silt & clay at least 18" thick	SC	Fine sand
SUBAQUOUS BENCH DESCRIPTION			

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	5	5
DATE	28-Aug-95	28-Aug-95
TIME	07:25 PM	07:30 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	228.8	228.50
UTM X	329841.9	329615.9
UTM Y	4576562.9	4576472.9
BANK PROFILE TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	Peoria Pool	Peoria Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	INSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	
ARCHEOLOGICAL SITE	y	y
SORROUNDING STRUCTURES	d/s of dock, approx. 500'	N/A
COMMERCIAL TRAFFIC LEVEL		H
RECREATIONAL TRAFFIC LEVEL	Can be severe	H
ESTIMATED DISTANCE TO THE SAILING LINE	437.5'	375'
LAND USE ON BANK CREST	A (Corn)	A (Corn)
TYPE OF VEGETATION ON TOP OF BANK	G (high weeds. 5')	G,W (Maple)
TYPE OF VEGETATION AT SCARP FACE		G,W (Maple)
TYPE OF VEGETATION AT BENCH	NO	Weeds. No submerged or emergent vegetation
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Weeds..no trees	Exposed roots..3-4' exposure
OVERLAND DRAINAGE AT THE SITE	Piping features, 1-2' wide 10" high hole	Piping features noted in bank..approx. 1/3 to 1/2 down from top
BANK EROSION TYPE		
SCARP HEIGHT		5.0'
SCARP SLOPE		0.96H:1V
SCARP SOIL TYPE	SC	SM
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE		SM
UNDER WATER SLOPE	23.81H:1V	17.24H:1V
BENCH SEDIMENT TYPE	Fine sand	Sand to first bench
SUBAQUOUS BENCH DESCRIPTION	Mild slope	6" bench at base of slope

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	6	6
DATE	29-Aug-95	29-Aug-95
TIME	10:35 AM	10:40 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	210.0	210.0
UTM X	303867.0	303968.9
UTM Y	4573586.1	4573353.5
BANK PROFILE TYPE	up	mp
RDB/LDB	RDB	RDB
POOL NAME	Peoria Pool	Peoria Pool
GEOMORPHIC CHARACTER	CROSS OVER	CROSS OVER
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE		n
SORROUNDING STRUCTURES	d/s from entrance of Spring Lake	N/A
COMMERCIAL TRAFFIC LEVEL	?	
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	268.8'	268.8'
LAND USE ON BANK CREST	A (20' inside is corn field)	A (Corn)
TYPE OF VEGETATION ON TOP OF BANK	Yes	G,W (Maple)
TYPE OF VEGETATION AT SCARP FACE	G (weeds)	G,W (Maple)
TYPE OF VEGETATION AT BENCH		Smartweed on shore..20' from WE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Some	Exposed roots..3-4' exposure
OVERLAND DRAINAGE AT THE SITE	n	None noted
BANK EROSION TYPE	RS, W, Tractive force	
SCARP HEIGHT	2.0'; 8.6'	5'
SCARP SLOPE	0.20H:1V; 0.30H:1V	5H:1V
SCARP SOIL TYPE	CL	CL
BERM HEIGHT	2.4'	2.5'
BERM WIDTH	7.9'	10'
BERM SOIL TYPE	OH	OH
UNDER WATER SLOPE	6.10H:1V	16.13H:1V
BENCH SEDIMENT TYPE	OH	OH
SUBAQUOUS BENCH DESCRIPTION		Fine sand over silty clay material.No vegetation except trees with exposed roots

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	6	7	7
DATE	29-Aug-95	29-Aug-95	29-Aug-95
TIME	11:15 AM	12:15 PM	12:00 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	209.7	203.8	203.8
UTM X	304100.8	303515.4	303604.8
UTM Y	4573064.0	4564680.0	4564485.4
BANK PROFILE TYPE	dn	up	mp
RDB/LDB	RDB	LDB	LDB
POOL NAME	Peoria Pool	Peoria Pool	Peoria Pool
GEOMORPHIC CHARACTER	CROSS OVER	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n
ARCHEOLOGICAL SITE			n
SORROUNDING STRUCTURES	Big trees?	None. Outside of red buoy	N/A
COMMERCIAL TRAFFIC LEVEL		M	
RECREATIONAL TRAFFIC LEVEL		H	
ESTIMATED DISTANCE TO THE SAILING LINE	437.5'	437.5'	437.5'
LAND USE ON BANK CREST	W (silver maple)	Levee. Weeds < 1'	Levee/Dike
TYPE OF VEGETATION ON TOP OF BANK	G (weeds)	G (weeds)	G (Grass..Foxtail..Fesc?)
TYPE OF VEGETATION AT SCARP FACE	G (weeds)	G (weeds)	G (Grass..Foxtail..Fesc?)W (Willows)
TYPE OF VEGETATION AT BENCH	None	NO	Grasses & weeds within 15' of edge of water
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE		Not much	Generally not exposed
OVERLAND DRAINAGE AT THE SITE	None noted	n	None noted
BANK EROSION TYPE		W, P, Flood	W, F, R & T, L
SCARP HEIGHT		1.6'	4.3'
SCARP SLOPE		0.63H:1V	0.81H:1V
SCARP SOIL TYPE	CL	Clay, sand	Silts,sands & gravels
BERM HEIGHT			5.3'
BERM WIDTH			40.0'
BERM SOIL TYPE	CL	Silt, clay	Silt, sand & gravel
UNDER WATER SLOPE	14.93H:1V	23.26H:1V	23.26H:1V
BENCH SEDIMENT TYPE	Clay hard bottom, many newly deposited fines?	Soft fines over hard clay	Silt, sand & gravel
SUBAQUOUS BENCH DESCRIPTION			Wavewashed gravel at shore very muddy out in water

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	7	8	8
DATE	29-Aug-95	29-Aug-95	29-Aug-95
TIME	12:45 PM	02:45 PM	02:30 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	203.5	184.9	184.8
UTM X	303656.6	294101.9	294026.5
UTM Y	4564379.3	4538463.5	4538140.8
BANK PROFILE TYPE	dn	up	mp
RDB/LDB	LDB	LDB	LDB
POOL NAME	Peoria Pool	Peoria Pool	Peoria Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE		Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n
ARCHEOLOGICAL SITE			
SORROUNDING STRUCTURES	tree lines land ? about 20'	Babbs Slough	Fallen tree u/s of midpoint site
COMMERCIAL TRAFFIC LEVEL	M		
RECREATIONAL TRAFFIC LEVEL	H		
ESTIMATED DISTANCE TO THE SAILING LINE	500'	437.5'	375'
LAND USE ON BANK CREST	Levee	W (d > 2")	G, W (Maple)
TYPE OF VEGETATION ON TOP OF BANK	G (weeds)	G (weeds)	G,W
TYPE OF VEGETATION AT SCARP FACE	G (weeds)	Fine young root System..covered bank	Scarp feature. No vegetation
TYPE OF VEGETATION AT BENCH	NO	NONE	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE		Depth covered upto bench..approx 3'	Exposed roots right at scarp roots not exposed at top of bank
OVERLAND DRAINAGE AT THE SITE	n	Piping along W.E.	Some piping evident
BANK EROSION TYPE			W, P, L, R & T, C
SCARP HEIGHT	2.5'	2.9'	5'
SCARP SLOPE	1.40H:1V	0.07H:1V	0.20H:1V
SCARP SOIL TYPE	Clay, SAND	Sandy	Silt, Clay
BERM HEIGHT	4.5'	1.5'	0.7'
BERM WIDTH	36.4'	3.8'	2.0'
BERM SOIL TYPE	Sandy	Clay	Silty clay
UNDER WATER SLOPE	20.41H:1V	71.43H:1V	83.33H:1V
BENCH SEDIMENT TYPE	Clay hard bottom	Fine clay..approx. 10"?	Silty clay
SUBAQUOUS BENCH DESCRIPTION			Shallow silt/clay bench..very muddy

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	8	9	9
DATE	29-Aug-95	29-Aug-95	29-Aug-95
TIME	03:05 PM	03:50 PM	03:45 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	184.7	179.9	179.8
UTM X	294017.6	290712.0	290623.2
UTM Y	4538038.0	4531428.2	4531241.3
BANK PROFILE TYPE	dn	up	mp
RDB/LDB	LDB	LDB	LDB
POOL NAME	Peoria Pool	Peoria Pool	Peoria Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE			Natural
WINGDAM PRESENT OR NOT			n
ARCHEOLOGICAL SITE			
SORROUNDING STRUCTURES			N/A
COMMERCIAL TRAFFIC LEVEL	?		
RECREATIONAL TRAFFIC LEVEL	?		
ESTIMATED DISTANCE TO THE SAILING LINE	343.8'	312.5'	312.5'
LAND USE ON BANK CREST	W	W (Forest. Large trees > 1.5')G (Weed)	W, G (Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	Exposed fine roots		G,W
TYPE OF VEGETATION AT SCARP FACE		G (weeds 1')	roots exposed..2-3' trees falling over
TYPE OF VEGETATION AT BENCH		NONE	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE		Not obvious	Exposed roots..2-3'..trees falling over
OVERLAND DRAINAGE AT THE SITE	n	n	n
BANK EROSION TYPE		W, P	R & T, P, W
SCARP HEIGHT	5.2'		2.5'
SCARP SLOPE	0.48H:1V		8.00
SCARP SOIL TYPE	Clay		Sandy silt
BERM HEIGHT			2.5
BERM WIDTH			?
BERM SOIL TYPE	Clay		Silty sand/sandy silt
UNDER WATER SLOPE	47.62H:1V	21.28H:1V	15.87H:1V
BENCH SEDIMENT TYPE	Silt	Fines, some sand	Sand/silty sand
SUBAQUOUS BENCH DESCRIPTION			Sandy..gently sloping to 88' and then steep drop

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	9	10
DATE	29-Aug-95	29-Aug-95
TIME	04:05 PM	06:25 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	179.7	160.0
UTM X	290573.4	278707.8
UTM Y	4531100.5	4503931.6
BANK PROFILE TYPE	dn	up
RDB/LDB	LDB	RDB
POOL NAME	Peoria Pool	Peoria Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	
ARCHEOLOGICAL SITE	n	
SORROUNDING STRUCTURES	u/s Peoria Lake	1000' u/s Kickapoo Creek.d/s of drawbridge(Peoria)Fleeting on RDb(u/s about 1000')
COMMERCIAL TRAFFIC LEVEL		H
RECREATIONAL TRAFFIC LEVEL		H
ESTIMATED DISTANCE TO THE SAILING LINE	312.5'	437.5'
LAND USE ON BANK CREST	W (Forest)	W (maple d>1')
TYPE OF VEGETATION ON TOP OF BANK	G (weeds)	Root System
TYPE OF VEGETATION AT SCARP FACE	G (weeds)	Root System
TYPE OF VEGETATION AT BENCH	NO	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed roots on sandy beach	exposed young roots still exist
OVERLAND DRAINAGE AT THE SITE	Very wet sand beach..sink easily	Dry.Piping? perhaps not seen holes
BANK EROSION TYPE		W, R & T
SCARP HEIGHT		1.0'
SCARP SLOPE		0.70H:1V
SCARP SOIL TYPE	SW	Clay
BERM HEIGHT		0.7'
BERM WIDTH		1.9'
BERM SOIL TYPE	SW	Clay
UNDER WATER SLOPE	14.08H:1V	15.02H:1V
BENCH SEDIMENT TYPE	MH	sandy
SUBAQUOUS BENCH DESCRIPTION	Very thick sediment. Mostly fines	Sandy

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	10	10	11
DATE	29-Aug-95	29-Aug-95	30-Aug-95
TIME	06:20 PM	06:45 PM	11:00 AM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	160.0	160.0	155.3
UTM X		278782.8	275633.8
UTM Y		4503756.5	4498857.0
BANK PROFILE TYPE	mp	dn	up
RDB/LDB	RDB	RDB	RDB
POOL NAME	Peoria Pool	Peoria Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	
ARCHEOLOGICAL SITE			
SORROUNDING STRUCTURES	Kickapoo Creek (d/s)	Fleet (u/s at LDB)	
COMMERCIAL TRAFFIC LEVEL	H	H	
RECREATIONAL TRAFFIC LEVEL	H	H	?
ESTIMATED DISTANCE TO THE SAILING LINE	437.5'	437.5'	356'
LAND USE ON BANK CREST	G, W (maple, elm,mulberry)	W (dia> 1')	W
TYPE OF VEGETATION ON TOP OF BANK	G (Sparse),W	NO	Y
TYPE OF VEGETATION AT SCARP FACE	W	Root System	Yes
TYPE OF VEGETATION AT BENCH	N/A	NONE	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed at scarp..vertical scarp	Exposed	?
OVERLAND DRAINAGE AT THE SITE	Yes.Piping conduits	Piping(Clear)	Nearshore sand is moist
BANK EROSION TYPE	P, W, R & T	P, W, R & T, C	W, R & T
SCARP HEIGHT	1.2'	1.8'	
SCARP SLOPE	0.83H:1V	0.56H:1V	
SCARP SOIL TYPE	SM	Clay	Clayish
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE	SM	Clay	Sand
UNDER WATER SLOPE	5.59H:1V	10.53H:1V	11.24H:1V
BENCH SEDIMENT TYPE	Silt/clay	Fines	Silt,clay
SUBAQUOUS BENCH DESCRIPTION			

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	11	11
DATE	30-Aug-95	30-Aug-95
TIME	08:15 AM	11:30 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	155.3	155.3
UTM X	275333.0	275081.0
UTM Y	4498517.0	4498155.0
BANK PROFILE TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	
ARCHEOLOGICAL SITE	n	
SORROUNDING STRUCTURES	N/A	500' u/s dock structure
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	356'	356'
LAND USE ON BANK CREST	G,W (Silver Maple, Cottonweed, Mulberry, Popler)	
TYPE OF VEGETATION ON TOP OF BANK	G (Sparse weeds),W	G (weeds)
TYPE OF VEGETATION AT SCARP FACE	G (no trees)	None?
TYPE OF VEGETATION AT BENCH	N/A	Yes
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed roots..1-3' exposure	
OVERLAND DRAINAGE AT THE SITE	None noted in MP reach.Desication cracking in bench area	None
BANK EROSION TYPE	W, R & T	
SCARP HEIGHT		0.8'
SCARP SLOPE	N/A	0.50H:1V
SCARP SOIL TYPE	SM	
BERM HEIGHT	8'	4.5'
BERM WIDTH	50'	21.2'
BERM SOIL TYPE	SM, SC	S
UNDER WATER SLOPE	11.12H:1V	9.00H:1V
BENCH SEDIMENT TYPE	SC	Hard clay, silt
SUBAQUOUS BENCH DESCRIPTION	Sandy beach with several mini scarps.	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	12	12	12
DATE	30-Aug-95	30-Aug-95	30-Aug-95
TIME	08:45 AM	09:40 AM	10:40 AM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	154.4	154.4	154.4
UTM X	274998.3	275006.4	275133.0
UTM Y	4497410.4	4496947.7	4496385.5
BANK PROFILE TYPE	up	mp	dn
RDB/LDB	LDB	LDB	LDB
POOL NAME	Lagrange Pool	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE		Natural	
WINGDAM PRESENT OR NOT		n	
ARCHEOLOGICAL SITE		n	
SORROUNDING STRUCTURES	Power plant across the river	N/A	across the river is loading dock
COMMERCIAL TRAFFIC LEVEL			
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE	343.8'	343.8'	343.8'
LAND USE ON BANK CREST	W (d > 10")	G,W (Willows/Maples)	W
TYPE OF VEGETATION ON TOP OF BANK	G (weeds)	G,W (Willows/Maples)	G (Tall weeds)
TYPE OF VEGETATION AT SCARP FACE	G (weeds)?	G	G (Tall weeds)?
TYPE OF VEGETATION AT BENCH		N/A	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed roots?	Exposure at large scarp..2-3'	Some but not near the WE now
OVERLAND DRAINAGE AT THE SITE	Moist bank soil	Some piping noted	
BANK EROSION TYPE		R & T, P, W	
SCARP HEIGHT		1.5'- 2'	
SCARP SLOPE		2H:1V	
SCARP SOIL TYPE	P, W	SM	
BERM HEIGHT		11'	
BERM WIDTH		106'	
BERM SOIL TYPE	Clay	SM	Clay
UNDER WATER SLOPE	16.95H:1V	16.95H:1V	9.00H:1V
BENCH SEDIMENT TYPE	Fine silt over clay	SC	
SUBAQUOUS BENCH DESCRIPTION	Cracks in weed zone are much deeper than shore zone.	Wide weed covered bench	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	13	13	13
DATE	30-Aug-95	30-Aug-95	30-Aug-95
TIME	12:15 PM	12:10 PM	12:45 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	150.6	150.5	150.5
UTM X	272669.0	272552.0	272494.9
UTM Y	4492518.0	4492631.0	4492750.0
BANK PROFILE TYPE	up	mp	dn
RDB/LDB	LDB	LDB	LDB
POOL NAME	Lagrange Pool	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT		n	
ARCHEOLOGICAL SITE		n	n
SORROUNDING STRUCTURES	N/A	none	none
COMMERCIAL TRAFFIC LEVEL			?
RECREATIONAL TRAFFIC LEVEL			?
ESTIMATED DISTANCE TO THE SAILING LINE	562.5'	375'	375'
LAND USE ON BANK CREST	W (Large Woods, Sparse Veg.)	G, W (Cottonwood, Silver Maple)	W (about 30' inside).Weeds sparse
TYPE OF VEGETATION ON TOP OF BANK	Not much	G (mostly weeds)	some
TYPE OF VEGETATION AT SCARP FACE	NO	G (weeds)	G (weeds)
TYPE OF VEGETATION AT BENCH	NONE	N/A	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Fallen trees..no trees directly near bank line	Root exposure at high scarp only	NO
OVERLAND DRAINAGE AT THE SITE		Yes.Piping scarp	None observed
BANK EROSION TYPE		F, B, P, W, R & T	W, R & T
SCARP HEIGHT	3.3'	4.3'	1.2'
SCARP SLOPE	0.09H:1V	Vertical	0.58H:1V
SCARP SOIL TYPE		ML	Hard Clay
BERM HEIGHT	1.0'	1.5'	5.1'
BERM WIDTH	2.9'	6.0'	13.6'
BERM SOIL TYPE		SM	
UNDER WATER SLOPE	2.90H:1V	8.00H:1V	2.67H:1V
BENCH SEDIMENT TYPE		ML	
SUBAQUOUS BENCH DESCRIPTION		Underwater sand	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	14	14	14
DATE	30-Aug-95	30-Aug-95	30-Aug-95
TIME	04:15 PM	04:15 PM	04:45 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	129.3	129.3	129.2
UTM X	247110.9	247031.2	246927.0
UTM Y	4476372.6	4476130.5	4475938.9
BANK PROFILE TYPE	up	mp	dn
RDB/LDB	RDB	RDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	INSIDE BEND	INSIDE BEND	INSIDE BEND
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT		n	
ARCHEOLOGICAL SITE		y*	
SORROUNDING STRUCTURES		N/A	none
COMMERCIAL TRAFFIC LEVEL	?		?
RECREATIONAL TRAFFIC LEVEL	Heavy		?
ESTIMATED DISTANCE TO THE SAILING LINE	275'	275'	250'
LAND USE ON BANK CREST	G (Sparse Weeds) W (inside)	G,W (Silver Maple)	W
TYPE OF VEGETATION ON TOP OF BANK	Not much	G,W	G (weeds)
TYPE OF VEGETATION AT SCARP FACE	Exposed tree roots	NONE	G (Sparse weeds)
TYPE OF VEGETATION AT BENCH	NONE	N/A	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Yes?	Exposed roots..2-3'	Yes?
OVERLAND DRAINAGE AT THE SITE	None observed	Yes.Some piping noted	None observed
BANK EROSION TYPE	W, R & T	W, P, L, R & T	W, R & T
SCARP HEIGHT		1.3'	2.1'
SCARP SLOPE		0.38H:1V	2.62H:1V
SCARP SOIL TYPE	Clay	SC	Clay?
BERM HEIGHT		4.1'	1.9'
BERM WIDTH		10.5'	8.7'
BERM SOIL TYPE			
UNDER WATER SLOPE	10.10H:1V	7.87H:1V	14.49H:1V
BENCH SEDIMENT TYPE			
SUBAQUOUS BENCH DESCRIPTION		Micro piping, bare/no vegetation. Wave induced scarps (small)	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	15	15	15	16
DATE	30-Aug-95	30-Aug-95	30-Aug-95	31-Aug-95
TIME	06:35 PM	06:45 PM	07:10 PM	11:05 AM
RIVER	IL	IL	IL	IL
RIVER MILE @ MIDPOINT	116.9	116.5	116.3	109.8
UTM X	236090.6	235627.9	235208.9	228584.1
UTM Y	4461771.8	4461324.5	4460482.6	4454029.6
BANK PROFILE TYPE	up	mp	dn	up
RDB/LDB	RDB	RDB	RDB	LDB
POOL NAME	Lagrange Pool	Lagrange Pool	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND	INSIDE BEND
BANK TYPE		Natural		Natural
WINGDAM PRESENT OR NOT		n		
ARCHEOLOGICAL SITE		n		y
SORROUNDING STRUCTURES	Levee?	N/A	Has riprap for a section of the levee	no
COMMERCIAL TRAFFIC LEVEL			?	?
RECREATIONAL TRAFFIC LEVEL	?		?	?
ESTIMATED DISTANCE TO THE SAILING LINE	375'	438'	344'	281.3'
LAND USE ON BANK CREST	G (mowed)		G (mowed)	W
TYPE OF VEGETATION ON TOP OF BANK		W	G (Tall Grass..6')	NO
TYPE OF VEGETATION AT SCARP FACE	G (tall grass..6')	G (weeds)	G (Tall Grass..6')	G (young weeds)
TYPE OF VEGETATION AT BENCH	NONE	N/A	NONE	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NONE	NONE	NONE	Yes?
OVERLAND DRAINAGE AT THE SITE	Levee.None observed	None observed	None observed	
BANK EROSION TYPE	Flood, W, P	R & T, P, W	Flood, W, P, B	
SCARP HEIGHT	2.5'	2.7'	2.0'	4.9'
SCARP SLOPE	0.28H:1V	0.04H:1V	0.45H:1V	0.41H:1V
SCARP SOIL TYPE		ML/CL		Clay
BERM HEIGHT	7.0'	2.5'	8.1'	3.4'
BERM WIDTH	24.5'	7.9'	22.9'	13.3'
BERM SOIL TYPE				
UNDER WATER SLOPE	8.10H:1V	9.52H:1V	10.99H:1V	6.99H:1V
BENCH SEDIMENT TYPE				
SUBAQUOUS BENCH DESCRIPTION		Sandy..bare..no significant scarp		

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	16	16	17
DATE	31-Aug-95	31-Aug-95	31-Aug-95
TIME	10:25 AM	10:38 AM	10:00 AM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	109.5	109.2	109.4
UTM X	228297.8		
UTM Y	4453967.3		
BANK PROFILE TYPE	mp	dn	up
RDB/LDB	LDB	LDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	INSIDE BEND	INSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural		
WINGDAM PRESENT OR NOT	n		
ARCHEOLOGICAL SITE	n	y	
SORROUNDING STRUCTURES	N/A	no	no
COMMERCIAL TRAFFIC LEVEL		?	?
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE	250'	250'	262.5'
LAND USE ON BANK CREST	W,G (Silver Maple)	W (Silver Maple)	W
TYPE OF VEGETATION ON TOP OF BANK	G,W	Yes	Yes
TYPE OF VEGETATION AT SCARP FACE	NONE	NONE	G (weeds)?
TYPE OF VEGETATION AT BENCH	N/A		NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed roots..3-3.5'	Exposed roots at crest line	NONE
OVERLAND DRAINAGE AT THE SITE	Yes.Piping in large scarp area		
BANK EROSION TYPE	F, C, L, P, W, R & T		Prop. wash, Flood
SCARP HEIGHT	3.1'	3.9'	
SCARP SLOPE	0.26H:1V	0.49H:1V	
SCARP SOIL TYPE	ML		Clay
BERM HEIGHT	4.0'		
BERM WIDTH	9.2'		
BERM SOIL TYPE			
UNDER WATER SLOPE	8.50H:1V	14.49H:1V	4.29H:1V
BENCH SEDIMENT TYPE			
SUBAQUOUS BENCH DESCRIPTION	Silt/clay, No vegetation, small scarps with piping, steep underwater slope		

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	17	17
DATE	31-Aug-95	31-Aug-95
TIME	09:15 AM	10:30 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	109.5	109.6
UTM X	228122.1	227888.1
UTM Y	4454067.1	4453867.9
BANK PROFILE TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	
ARCHEOLOGICAL SITE	n	
SORROUNDING STRUCTURES	N/A	
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	287.5'	312.5'
LAND USE ON BANK CREST	G,W (Silver Maple, Cottonwood)	W
TYPE OF VEGETATION ON TOP OF BANK	G,W	Yes
TYPE OF VEGETATION AT SCARP FACE	G (weeds)	G (Sparse weeds)
TYPE OF VEGETATION AT BENCH	N/A	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed roots..3'	Some. Not uniform
OVERLAND DRAINAGE AT THE SITE	Piping in bench and berm area.	No
BANK EROSION TYPE	P, W, R & T	
SCARP HEIGHT	1.5'	3.0'
SCARP SLOPE	1.00	0.47H:1V
SCARP SOIL TYPE	SC(upper scarp)ML(Scarp at W.E.)	Clay
BERM HEIGHT	5'	3.7'
BERM WIDTH	25'	10.2'
BERM SOIL TYPE		
UNDER WATER SLOPE	3.50H:1V	4.00H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION	10' wide, clay/silt,small scarplet at berm interface, scarp @ W.E., steep sub-aquious slope	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	18	18
DATE	31-Aug-95	31-Aug-95
TIME	02:40 PM	02:15 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	94.3	94.2
UTM X	210725.4	210743.5
UTM Y	4442789.0	4442711.8
BANK PROFILE TYPE	up	mp
RDB/LDB	RDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	CROSS OVER	INSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT		n
ARCHEOLOGICAL SITE		n
SORROUNDING STRUCTURES	Sugar Creek	N/A
COMMERCIAL TRAFFIC LEVEL	?	
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	250'	162.5'
LAND USE ON BANK CREST	G (Dense Weeds)	W,G (Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	Yes	G,W
TYPE OF VEGETATION AT SCARP FACE	NO	G (weeds)*
TYPE OF VEGETATION AT BENCH	NONE	N/A
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Young roots, cover scarp face	2-3' of exposure at scarp
OVERLAND DRAINAGE AT THE SITE	No	Yes.Overbank drainage,erosion at scarp (minor),piping in scarp
BANK EROSION TYPE	F, P, W	F, B, L, C, P, W, R & T
SCARP HEIGHT	1.7'	2.1'
SCARP SLOPE	0.47H:1V	0.24H:1V
SCARP SOIL TYPE	Clay	ML
BERM HEIGHT	1.6'	1.2'
BERM WIDTH	5.5'	4.0'
BERM SOIL TYPE		
UNDER WATER SLOPE	7.35H:1V	8.55H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION		bare..starts flat & then very steep out 8'

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	18	19
DATE	31-Aug-95	31-Aug-95
TIME	02:20 PM	03:05 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	94.0	91.2
UTM X	210749.4	207329.0
UTM Y	4442636.9	4439736.6
BANK PROFILE TYPE	dn	up
RDB/LDB	RDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	INSIDE BEND	OUTSIDE BEND
BANK TYPE		Spoil
WINGDAM PRESENT OR NOT		
ARCHEOLOGICAL SITE		
SORROUNDING STRUCTURES	Sugar Creek u/s	d/s is barge piling
COMMERCIAL TRAFFIC LEVEL		?
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	281.3'	312.5'
LAND USE ON BANK CREST	W	G (Weeds 2' tall dense)
TYPE OF VEGETATION ON TOP OF BANK	Yes	Not much
TYPE OF VEGETATION AT SCARP FACE	Yes	NO
TYPE OF VEGETATION AT BENCH		None but Algae has grown on shoreline
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed root system along bank crest	single dead tree root
OVERLAND DRAINAGE AT THE SITE		4' above W.E. moisture line
BANK EROSION TYPE		Not obvious
SCARP HEIGHT	1.7'	
SCARP SLOPE	0.88H:1V	
SCARP SOIL TYPE	Clay	Clay
BERM HEIGHT	2.9'	
BERM WIDTH	9.5'	
BERM SOIL TYPE		
UNDER WATER SLOPE	12.99H:1V	4.76H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION		

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	19	19
DATE	31-Aug-95	31-Aug-95
TIME	04:00 PM	04:30 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	91.2	91.1
UTM X	207343.9	207354.3
UTM Y	4439516.1	4439374.9
BANK PROFILE TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	
WINGDAM PRESENT OR NOT	n	
ARCHEOLOGICAL SITE	n	
SORROUNDING STRUCTURES	Downstream Terminal fleeting area at this site	d/s. barge terminal
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	312.5'	312.5'
LAND USE ON BANK CREST	W(Mulberry, silver maple, Walnut)G(weeds on failure face & top of bank)	G (Weed 1')
TYPE OF VEGETATION ON TOP OF BANK	G,W	Root System
TYPE OF VEGETATION AT SCARP FACE	G,W	NO
TYPE OF VEGETATION AT BENCH	N/A	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	3-4' exposed roots	about 1'
OVERLAND DRAINAGE AT THE SITE	Piping features noted	2' above W.E. moist line
BANK EROSION TYPE	F, C, B, L, P, W, R & T	In channel erosion, W
SCARP HEIGHT	1.6'	
SCARP SLOPE	1.13H:1V	
SCARP SOIL TYPE	ML	Clay
BERM HEIGHT	2.6'	
BERM WIDTH	5.7'	
BERM SOIL TYPE		
UNDER WATER SLOPE	8.34H:1V	10.00H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION	?	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	20	20	20
DATE	31-Aug-95	31-Aug-95	31-Aug-95
TIME	07:40 PM	07:15 PM	07:20 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	79.4	79.4	79.4
UTM X	197718.4	197650.4	197634.9
UTM Y	4426424.3	4425894.3	4425317.4
BANK PROFILE TYPE	up	mp	dn
RDB/LDB	RDB	RDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	
WINGDAM PRESENT OR NOT		n	
ARCHEOLOGICAL SITE		n	
SORROUNDING STRUCTURES	d/s of Lagrange L&D	Upstream of Lagrange L&D	d/s Lagrange Pool, 1 mile
COMMERCIAL TRAFFIC LEVEL			?
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE	312.5'	312.5'	312.5'
LAND USE ON BANK CREST		A(Road, then crops)	Weeds
TYPE OF VEGETATION ON TOP OF BANK		G (weeds)	NO
TYPE OF VEGETATION AT SCARP FACE		G (weeds)	?
TYPE OF VEGETATION AT BENCH	NONE	N/A	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Collapsed tree.1 or 2..not too much	NONE..no trees at MP	NONE
OVERLAND DRAINAGE AT THE SITE		Yes..rilling above scarp piping	No
BANK EROSION TYPE		F, C, B, L, P, W, R & T	Scarps
SCARP HEIGHT		5'	7.2'
SCARP SLOPE		1.00	0.71H:1V
SCARP SOIL TYPE		SM	
BERM HEIGHT		4	
BERM WIDTH		10	
BERM SOIL TYPE			
UNDER WATER SLOPE	5.38H:1V	15.87H:1V	0.994H:1V
BENCH SEDIMENT TYPE			
SUBAQUOUS BENCH DESCRIPTION		?	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	21	21
DATE	01-Sep-95	01-Sep-95
TIME	11:00 AM	10:45 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	61.7	61.7
UTM X	187506.6	187444.5
UTM Y	4402080.5	4401875.8
BANK PROFILE TYPE	up	mp
RDB/LDB	RDB	RDB
POOL NAME	Alton Pool	Alton Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE		Natural
WINGDAM PRESENT OR NOT		y
ARCHEOLOGICAL SITE		n
SORROUNDING STRUCTURES	d/s. Draw bridge. Power line	Wing Dam.Bridge (see Nav. Charts)
COMMERCIAL TRAFFIC LEVEL	?	
RECREATIONAL TRAFFIC LEVEL	?	
ESTIMATED DISTANCE TO THE SAILING LINE	237.5'	237.5'
LAND USE ON BANK CREST	W (silver Maple 10')	G, W (Silver Maple, Willow)
TYPE OF VEGETATION ON TOP OF BANK	G (weeds)	G,W
TYPE OF VEGETATION AT SCARP FACE	G (weeds)	G
TYPE OF VEGETATION AT BENCH	NONE	N/A
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NONE	Minor root exposure in 18" scarp. Small amount in 5'scarp
OVERLAND DRAINAGE AT THE SITE	NONE	Some piping.No other OB drainage noted.
BANK EROSION TYPE	P (lower bank), Flood( higher bank),W (rework on shore)	L, P, W, R & T, F
SCARP HEIGHT		2.4'
SCARP SLOPE		0.42H:1V
SCARP SOIL TYPE	Mixed clay sand	ML
BERM HEIGHT		3.1'
BERM WIDTH		5.0'
BERM SOIL TYPE		
UNDER WATER SLOPE	10.53H:1V	7.35H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION		

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	21	22
DATE	01-Sep-95	01-Sep-95
TIME	10:40 AM	01:00 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	61.4	46.5
UTM X	187399.6	190864.0
UTM Y	4401707.9	4376865.1
BANK PROFILE TYPE	dn	up
RDB/LDB	RDB	RDB
POOL NAME	Alton Pool	Alton Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE		
WINGDAM PRESENT OR NOT		
ARCHEOLOGICAL SITE		
SORROUNDING STRUCTURES	d/s is a drawbridge.Wing Dam across	
COMMERCIAL TRAFFIC LEVEL	?	
RECREATIONAL TRAFFIC LEVEL	?	
ESTIMATED DISTANCE TO THE SAILING LINE	375.0'	687.5'
LAND USE ON BANK CREST	W (Willows very dense)	G (weeds) A (beans field on crest 30' in)
TYPE OF VEGETATION ON TOP OF BANK	G (weeds..5'..very dense)	G (weeds)
TYPE OF VEGETATION AT SCARP FACE	G (weeds)	G (weeds)
TYPE OF VEGETATION AT BENCH	NO	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NONE	Some, not very dense
OVERLAND DRAINAGE AT THE SITE	Yes.Piping;Flow clear.	Yes.Bank drainage
BANK EROSION TYPE		F, P, W
SCARP HEIGHT	2.5'	
SCARP SLOPE	1H:1V	
SCARP SOIL TYPE	Clay	Clay
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE		
UNDER WATER SLOPE	9.52H:1V	6.49H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION		

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	22	22
DATE	01-Sep-95	01-Sep-95
TIME	12:50 PM	01:30 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	45.1	45.0
UTM X	190808.6	190754.7
UTM Y	4376758.5	4376663.8
BANK PROFILE TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	Alton Pool	Alton Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	
ARCHEOLOGICAL SITE	n	
SORROUNDING STRUCTURES	None	None
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	312.5'	375'
LAND USE ON BANK CREST	A (Soy Beans)	A (Beans)
TYPE OF VEGETATION ON TOP OF BANK	G, W (Silver Maple, Willow)	W?
TYPE OF VEGETATION AT SCARP FACE	G,W	G (weeds)
TYPE OF VEGETATION AT BENCH	NONE	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1' exposure in some areas	Dead trees..no exposed root
OVERLAND DRAINAGE AT THE SITE	Some piping features.none other noted.	Yes
BANK EROSION TYPE	C, L, P, W, R & T	scarp face
SCARP HEIGHT	1.0'	0.7'
SCARP SLOPE	0.50H:1V	0.14H:1V
SCARP SOIL TYPE	ML	Clay
BERM HEIGHT	1.1'	
BERM WIDTH	4.5'	
BERM SOIL TYPE		
UNDER WATER SLOPE	6.99H:1V	5.50H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION	Very soft sediment..silty clay, clay/silt 12" thick.soft neatly deposited sed.	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	23	23
DATE	01-Sep-95	01-Sep-95
TIME	04:30 PM	04:20 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	23.5	23.4
UTM X	189140.3	189116.5
UTM Y	4343555.8	4343344.1
BANK PROFILE TYPE	up	mp
RDB/LDB	RDB	RDB
POOL NAME	Alton Pool	Alton Pool
GEOMORPHIC CHARACTER	CROSS OVER	CROSS OVER
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT		n
ARCHEOLOGICAL SITE	n	n
SORROUNDING STRUCTURES	end of island	None
COMMERCIAL TRAFFIC LEVEL	?	
RECREATIONAL TRAFFIC LEVEL	Heavy	
ESTIMATED DISTANCE TO THE SAILING LINE	225.0'	187.5'
LAND USE ON BANK CREST	W (Silver Maple, Cottonwoods, Locus?)	G,W(Silver Maple, Elm, Cottonwood)
TYPE OF VEGETATION ON TOP OF BANK	G (5' weeds) A (OLD FIELD, grape)	G (Ragweed)
TYPE OF VEGETATION AT SCARP FACE	?	G (Ragweed)
TYPE OF VEGETATION AT BENCH	Algae	N/A
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Not here but slightly d/s..200'..has 4' root exposure	Roots exposed in failing bank above scarp
OVERLAND DRAINAGE AT THE SITE	Relative open space.tall trees at crest or slightly below crest.	Yes.rilling of upper bank.
BANK EROSION TYPE	F, W, P	C, L, F, W, R & T, OB drainage
SCARP HEIGHT		3.5'
SCARP SLOPE		1.26H:1V
SCARP SOIL TYPE	Clay	ML
BERM HEIGHT		0.9'
BERM WIDTH		2.0'
BERM SOIL TYPE		
UNDER WATER SLOPE	12.50H:1V	5.00H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION		Bare bench relatively steep.

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	23	24
DATE	01-Sep-95	01-Sep-95
TIME	04:45 PM	06:30 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	23.3	13.0
UTM X	189100.7	189603.8
UTM Y	4343255.5	4327657.9
BANK PROFILE TYPE	dn	up
RDB/LDB	RDB	RDB
POOL NAME	Alton Pool	Alton Pool
GEOMORPHIC CHARACTER	INSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT		
ARCHEOLOGICAL SITE		
SORROUNDING STRUCTURES	island side. Up of confluence	
COMMERCIAL TRAFFIC LEVEL	Heavy	Heavy
RECREATIONAL TRAFFIC LEVEL	Heavy	Heavy
ESTIMATED DISTANCE TO THE SAILING LINE	250'	437.5'
LAND USE ON BANK CREST	W	G (weeds) A (OLD FIELD)
TYPE OF VEGETATION ON TOP OF BANK	G (weeds) A (OLD FIELD,2')	G (weeds) A (OLD FIELD)
TYPE OF VEGETATION AT SCARP FACE	G (weeds in the upper bank..4')	A (OLD FIELD..in the upper bank)G (weeds)
TYPE OF VEGETATION AT BENCH	Algae	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Not here. Some rots stick out from bank at u/s 7' from crest..about 1"d	Vegetation covered upper bank
OVERLAND DRAINAGE AT THE SITE	Lower bank wet surface	Lower bank moist clay
BANK EROSION TYPE	F, P, W	F, P, W, R & T
SCARP HEIGHT	9.5'	5.6'
SCARP SLOPE	0.34H:1V	0.95H:1V
SCARP SOIL TYPE	Clay	Clay
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE		
UNDER WATER SLOPE	5.26H:1V	15.87H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION		

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	24	24
DATE	01-Sep-95	01-Sep-95
TIME	06:00 PM	06:15 PM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	13.0	13.0
UTM X	189759.5	189903.6
UTM Y	4327529.5	4327404.1
BANK PROFILE TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	Alton Pool	Alton Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	
ARCHEOLOGICAL SITE		y
SORROUNDING STRUCTURES	d/s Hardy's landing	
COMMERCIAL TRAFFIC LEVEL		?
RECREATIONAL TRAFFIC LEVEL	?	?
ESTIMATED DISTANCE TO THE SAILING LINE	437.5'	437.5'
LAND USE ON BANK CREST	yes?	G(Weeds) W (tall trees)
TYPE OF VEGETATION ON TOP OF BANK	Yes	G (weeds), root
TYPE OF VEGETATION AT SCARP FACE	Yes	some
TYPE OF VEGETATION AT BENCH	Algae	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	2' from crest. mature	Young fine roots..2' from crest
OVERLAND DRAINAGE AT THE SITE	Wet line.2.5' above W.E.	
BANK EROSION TYPE	F, P, W	
SCARP HEIGHT	4.9'	2.0'
SCARP SLOPE	0.35H:1V	0.05H:1V
SCARP SOIL TYPE	Clay sample #1	
BERM HEIGHT	1.9'	3.1'
BERM WIDTH	3.4'	3.6'
BERM SOIL TYPE		
UNDER WATER SLOPE	11.40H:1V	25.00H:1V
BENCH SEDIMENT TYPE		
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	1	2
DATE	11-Sep-95	12-Sep-95
TIME	12:30 PM	09:50 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	825.5	791.7
UTM X	23388.3	59070.8
UTM Y	4977262.6	4950321.4
BANK SECTION TYPE	mp	up
RDB/LDB	RDB	RDB
POOL NAME	POOL 2	POOL 4
GEOMORPHIC CHARACTER	OUTSIDE BEND*	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE	n	n
SURROUNDING STRUCTURES	d/s of a side channel (day marker 825.6)	d/s of ? slough
COMMERCIAL TRAFFIC LEVEL	H	H
RECREATIONAL TRAFFIC LEVEL	H	H
ESTIMATED DISTANCE TO THE SAILING LINE	281.3'	375'
LAND USE ON BANK CREST		
TYPE OF VEGETATION ON TOP OF BANK	W(Tall Trees..Species?)	Wild Flowers
TYPE OF VEGETATION AT SCARP FACE	G(Sparse weeds)	NO.Debris, weed roots and tree roots cover the first (Top) Scarp
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NONE	Approx. 2'
OVERLAND DRAINAGE AT THE SITE	Yes..Overland	NO
BANK EROSION TYPE	SP, L, W, FD	Scarp, R & T, W
SCARP HEIGHT	n/a	1.23
SCARP SLOPE	n/a	0.946
SCARP SOIL TYPE	SP	Scarp.Clay
BERM HEIGHT	n/a	9.4
BERM WIDTH	n/a	1.97
BERM SOIL TYPE	NO Berm	NO Berm
UNDER WATER SLOPE		0.2 5.319
BENCH SEDIMENT TYPE	?	SM
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	2	2
DATE	11-Sep-95	12-Sep-95
TIME	07:00 PM	10:50 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	791.7	791.5
UTM X		59181.9
UTM Y		4950043.9
BANK SECTION TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	POOL 4	POOL 4
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT		n
ARCHEOLOGICAL SITE		n
SURROUNDING STRUCTURES		
COMMERCIAL TRAFFIC LEVEL	H	H
RECREATIONAL TRAFFIC LEVEL	H	H
ESTIMATED DISTANCE TO THE SAILING LINE	375'	356.3'
LAND USE ON BANK CREST		W(Species?)
TYPE OF VEGETATION ON TOP OF BANK	G,W(High trees 1.5')	W(Species?)
TYPE OF VEGETATION AT SCARP FACE	NO	NO
TYPE OF VEGETATION AT BENCH	NO	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Root zone (fine dense root) covers down upto top sand beach and bench (50%)	2.6' high..5.5' inward
OVERLAND DRAINAGE AT THE SITE	Runoff	NO
BANK EROSION TYPE	Scarp, W, R & T	R & T
SCARP HEIGHT	0.74	n/a
SCARP SLOPE		1.48 n/a
SCARP SOIL TYPE	Major scarp face, Clay	
BERM HEIGHT	0.99	n/a
BERM WIDTH	5.5	n/a
BERM SOIL TYPE		NO Berm
UNDER WATER SLOPE	0.146	6.67H:1V
BENCH SEDIMENT TYPE	Sand over clay	SM
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	3	3	3
DATE	12-Sep-95	12-Sep-95	12-Sep-95
TIME	08:20 AM	04:00 PM	04:30 PM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	763.4	763.4	763.2
UTM X	95361.1		95527.3
UTM Y	4929954.1		4929652.4
BANK SECTION TYPE	up	mp	dn
RDB/LDB	LDB	LDB	LDB
POOL NAME	POOL 4	POOL 4	POOL 4
GEOMORPHIC CHARACTER	STRAIGHT REACH*	STRAIGHT REACH*	STRAIGHT REACH*
BANK TYPE			
WINGDAM PRESENT OR NOT	n	n	n
ARCHEOLOGICAL SITE	n	n	n
SURROUNDING STRUCTURES	d/s of Chippewa River	d/s of Chippewa River mouth	d/s of Chippewa River mouth
COMMERCIAL TRAFFIC LEVEL			
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE	843.8'	843.8'	712.5'
LAND USE ON BANK CREST	W(Elm, Silver Maple, Cottonwood..d, 1')	W(Silver Maple d=1' approx.)	W(Sparse?) G & Vegetation
TYPE OF VEGETATION ON TOP OF BANK	G(Grass..sparse)		G, A(Oat field)
TYPE OF VEGETATION AT SCARP FACE	Grapes		Grapes
TYPE OF VEGETATION AT BENCH	NO	Floating aquatic weeds	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Yes..2.5'		5'..(half of Bank Height)
OVERLAND DRAINAGE AT THE SITE	NO	NO	NO
BANK EROSION TYPE	FD, R & T	FD, R & T, W	FD, R & T
SCARP HEIGHT	2.58	1.26	n/a
SCARP SLOPE	1.518	1.4	n/a
SCARP SOIL TYPE	Uniform sand	Well graded sand	Uniform sand
BERM HEIGHT	6.11	n/a	26.6
BERM WIDTH	24.6	n/a	3.87
BERM SOIL TYPE	NO Berm	NO Berm	NO Berm
UNDER WATER SLOPE	0.285	0.1	0.2
BENCH SEDIMENT TYPE		Uniformly graded sand	Uniform sand
SUBAQUOUS BENCH DESCRIPTION			

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	4	4	4
DATE	12-Sep-95	12-Sep-95	13-Sep-95
TIME	07:40 PM	07:00 PM	09:55 AM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	751.1	751.1	751.1
UTM X	107963.2		107710.5
UTM Y	4917328.8		4917117.0
BANK SECTION TYPE	up	mp	dn
RDB/LDB	LDB	LDB	LDB
POOL NAME	POOL 5	POOL 5	POOL 5
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT			n
ARCHEOLOGICAL SITE			
SURROUNDING STRUCTURES	?	?	d/s of steel pile sheeting for structure
COMMERCIAL TRAFFIC LEVEL			H
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE	562.5'	562.5'	562.5'
LAND USE ON BANK CREST	G(Weeds), W(Species?)		W(Elm, Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G(Grass)	W(Dense Oak field)	Grapes
TYPE OF VEGETATION AT SCARP FACE	Few Grape Vine	Roots from weeds & trees	Grape Vines
TYPE OF VEGETATION AT BENCH	Unable to observe	Unable to observe	bench?
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Yes...covers whole bank height	Yes...covers whole bank height	Yes...covers whole bank height
OVERLAND DRAINAGE AT THE SITE	NO	NO	NO
BANK EROSION TYPE	NO	W, R & T, P	Yes
SCARP HEIGHT	4.2	3.91	4.3
SCARP SLOPE	2.47	1.955	1
SCARP SOIL TYPE		S. C	Sandy clay silt mixture
BERM HEIGHT	1.3	1.45	1.15
BERM WIDTH	4.3	4.5	6.9
BERM SOIL TYPE		SC	NO Berm
UNDER WATER SLOPE	0.198	0.187	0.169
BENCH SEDIMENT TYPE	SM	SM	Uniform sand over top surface
SUBAQUOUS BENCH DESCRIPTION			

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	5
DATE	13-Sep-95
TIME	11:45 AM
RIVER	UMR
RIVER MILE @ MIDPOINT	746.5
UTM X	109990.9
UTM Y	4911635.5
BANK SECTION TYPE	up
RDB/LDB	LDB
POOL NAME	POOL 5
GEOMORPHIC CHARACTER	OUTSIDE BEND
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	
ARCHEOLOGICAL SITE	
SURROUNDING STRUCTURES	d/s of entrance to Pomme De Terre?? slough
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	468.8'
LAND USE ON BANK CREST	
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds.not tall)
TYPE OF VEGETATION AT SCARP FACE	Yes..Weeds..not tall
TYPE OF VEGETATION AT BENCH	Unable to observe
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Whole face covered
OVERLAND DRAINAGE AT THE SITE	
BANK EROSION TYPE	
SCARP HEIGHT	4.04
SCARP SLOPE	2.24
SCARP SOIL TYPE	
BERM HEIGHT	0.86
BERM WIDTH	2.4
BERM SOIL TYPE	
UNDER WATER SLOPE	0.161
BENCH SEDIMENT TYPE	
SUBAQUOUS BENCH DESCRIPTION	

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	5	5
DATE	13-Sep-95	13-Sep-95
TIME	11:10 AM	12:10 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	746.4	746.3
UTM X		109932.5
UTM Y		4911294.5
BANK SECTION TYPE	mp	dn
RDB/LDB	LDB	LDB
POOL NAME	POOL 5	POOL 5
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT		
ARCHEOLOGICAL SITE		
SURROUNDING STRUCTURES	d/s of entrance to Pomme De Terre?? slough	?
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	375'	375'
LAND USE ON BANK CREST	G(Weeds)	
TYPE OF VEGETATION ON TOP OF BANK	Sparse small Veg. covered by very fine rootmat, algae and wet soil at bottom	
TYPE OF VEGETATION AT SCARP FACE	Sparse small Veg. covered by very fine rootmat, algae and wet soil at bottom	
TYPE OF VEGETATION AT BENCH	Unable to observe..very strong current	Yes..tall weed?
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Covered whole scarp face	
OVERLAND DRAINAGE AT THE SITE	NO	
BANK EROSION TYPE	RW, W, P	RW, W, P
SCARP HEIGHT	1.41	3.2
SCARP SLOPE	2.82	1.104
SCARP SOIL TYPE	Sand	
BERM HEIGHT	0.64	0.84
BERM WIDTH	1.4	2.7
BERM SOIL TYPE		
UNDER WATER SLOPE	0.186	0.156
BENCH SEDIMENT TYPE	Graded sand	A finer sand
SUBAQUOUS BENCH DESCRIPTION		Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	6	6	6
DATE	13-Sep-95	13-Sep-95	13-Sep-95
TIME	05:40 PM	04:15 PM	06:10 PM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	727.4	727.4	727.4
UTM X	126664.1		126932.9
UTM Y	4890824.6		4890283.2
BANK SECTION TYPE	up	mp	dn
RDB/LDB	RDB	RDB	RDB
POOL NAME	POOL 6	POOL 6	POOL 6
GEOMORPHIC CHARACTER	STRAIGHT REACH*	STRAIGHT REACH*	STRAIGHT REACH*
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT		n	n
ARCHEOLOGICAL SITE		n	n
SURROUNDING STRUCTURES	d/s of L&D 5A approx. 1 mile	d/s of L&D 5A approx. 1 mile	d/s of L&D 5A approx. 1 mile
COMMERCIAL TRAFFIC LEVEL		H	H
RECREATIONAL TRAFFIC LEVEL		H	H
ESTIMATED DISTANCE TO THE SAILING LINE	468.8'	468.8'	468.8'
LAND USE ON BANK CREST		W(Species?)	
TYPE OF VEGETATION ON TOP OF BANK	Poison Ivy	Poison Ivy 6" ..oat field 1.5'	
TYPE OF VEGETATION AT SCARP FACE	Debris. Medium root webs (d=2" approx.)	Root webs covered	Root webs covered
TYPE OF VEGETATION AT BENCH	Floating aquatic Veg.	Unable to observe	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Yes..1'	Yes..2.8'. Covers whole face	Covers scarp height 2'
OVERLAND DRAINAGE AT THE SITE	NO	NO	
BANK EROSION TYPE	W , R & T , FD , P	W , R & T , FD, P	
SCARP HEIGHT	0.92	3.34	2.9
SCARP SLOPE	1.314	2.23	1.61
SCARP SOIL TYPE	Clay	Clay layer (1') under top sand layer (1.5')	
BERM HEIGHT	1.91	1.86	0.3
BERM WIDTH	7.4	9.1	1.9
BERM SOIL TYPE	Clay	Clay Mixture	
UNDER WATER SLOPE	0.153	0.237	0.145
BENCH SEDIMENT TYPE	Uniform sand	Uniform sand	Uniform sand
SUBAQUOUS BENCH DESCRIPTION		Clay layer then sand bench	Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	7	8	8
DATE	13-Sep-95	14-Sep-95	14-Sep-95
TIME	04:45 PM	05:30 PM	03:30 PM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	727.4	677.7	677.7
UTM X	127013.0	157038.4	
UTM Y	4890609.0	4830814.0	
BANK SECTION TYPE	mp	up	mp
RDB/LDB	LDB	RDB	RDB
POOL NAME	POOL 6	POOL 9	POOL 9
GEOMORPHIC CHARACTER	STRAIGHT REACH*	STRAIGHT REACH*	STRAIGHT REACH*
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n		n
ARCHEOLOGICAL SITE	n		n
SURROUNDING STRUCTURES	d/s of L&D 5A? approx. 1 mile	Thief Slough?	d/s of L&D 9, d/s of Thief slough, d/s of Green Day Mark 677.7
COMMERCIAL TRAFFIC LEVEL	H		Y?
RECREATIONAL TRAFFIC LEVEL	Y?		Y?
ESTIMATED DISTANCE TO THE SAILING LINE	2156.3'	281.3'	281.3'
LAND USE ON BANK CREST			Very Dense Cane, W(behind..species?)
TYPE OF VEGETATION ON TOP OF BANK	Yes?		Very dense Cane
TYPE OF VEGETATION AT SCARP FACE	Root webs covered	NO	Yes. Very dense Cane
TYPE OF VEGETATION AT BENCH	NO	Tree?(From sketch)	Layers of floating aquatic Veg. washed ashore
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Covers whole bank face	NO	NO
OVERLAND DRAINAGE AT THE SITE	NO	NO	NO, Fairly uniform erosion
BANK EROSION TYPE	W , R & T , FD , P	Scarp. Fall	W , R & T , FD , B
SCARP HEIGHT	3.26	2.47	0.88
SCARP SLOPE	1.417	4.117	8.8
SCARP SOIL TYPE		Dry clay, wet silt layers	Clayish
BERM HEIGHT	4.19	2.9	3.4
BERM WIDTH	10.7	11.7	11
BERM SOIL TYPE	Sand Run?	Silt-Sand	Clayish
UNDER WATER SLOPE	0.175	0.214	0.163
BENCH SEDIMENT TYPE	Uniform sand	Silty sand, fine sand	SC
SUBAQUOUS BENCH DESCRIPTION	Sandy bench	Silty sand bench	Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	8	9
DATE	14-Sep-95	14-Sep-95
TIME	05:00 PM	04:20 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	677.3	677.5
UTM X	157974.3	157314.9
UTM Y	4830300.2	4830598.9
BANK SECTION TYPE	dn	mp
RDB/LDB	RDB	LDB
POOL NAME	POOL 9	POOL 9
GEOMORPHIC CHARACTER	STRAIGHT REACH*	STRAIGHT REACH*
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT		n
ARCHEOLOGICAL SITE		n
SURROUNDING STRUCTURES	d/s of L&D 9, d/s of Thief slough, d/s of Green Day Mark 677.2	d/s of L&D 8, across site 8 behind is thief slough
COMMERCIAL TRAFFIC LEVEL		Y?
RECREATIONAL TRAFFIC LEVEL		Y?
ESTIMATED DISTANCE TO THE SAILING LINE	487.5'	1875'
LAND USE ON BANK CREST	Very Dense Cane, W(50'..species?)	W(Species?), Grapes, Sparse Cane
TYPE OF VEGETATION ON TOP OF BANK	Very dense Cane	G(Weeds), Grapes
TYPE OF VEGETATION AT SCARP FACE	NO	Root covered. Grapes on scarp
TYPE OF VEGETATION AT BENCH	Layers of floating aquatic Veg. washed ashore	No..sand beach
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NO	Covers the scarp face
OVERLAND DRAINAGE AT THE SITE		NO
BANK EROSION TYPE	W, P	W, L, FD
SCARP HEIGHT	3.83	2.77
SCARP SLOPE	12.77	2.308
SCARP SOIL TYPE		SP
BERM HEIGHT	2.07	2.1
BERM WIDTH	12.5	10.2
BERM SOIL TYPE		Sand with coarse gravel, SP
UNDER WATER SLOPE	0.138	0.171
BENCH SEDIMENT TYPE	Clayish sand	Uniform sand
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	10	10
DATE	15-Sep-95	15-Sep-95
TIME	11:00 AM	10:00 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	670.0	669.5
UTM X	157349.2	
UTM Y	4820298.7	
BANK SECTION TYPE	up	mp
RDB/LDB	RDB	RDB
POOL NAME	POOL 9	POOL 9
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND*
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	y?	n
ARCHEOLOGICAL SITE	n	n
SURROUNDING STRUCTURES	1000' above a slough entrance. Wing Dams at opposite site	Bank protection (Submerged Wing Dams)
COMMERCIAL TRAFFIC LEVEL	?	
RECREATIONAL TRAFFIC LEVEL	?	
ESTIMATED DISTANCE TO THE SAILING LINE	375'	468.8'
LAND USE ON BANK CREST	G(Weeds)	W(Species?)
TYPE OF VEGETATION ON TOP OF BANK	Dense Cane	Medium dense Cane
TYPE OF VEGETATION AT SCARP FACE	NO..but with cane root	NO
TYPE OF VEGETATION AT BENCH	A lot of washed shore Veg.	Some aquatic Veg. washed ashore
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Covers the scarp face	About 10', not consistent.
OVERLAND DRAINAGE AT THE SITE	NO	NO
BANK EROSION TYPE	C, LS. FD , W , P	FD , W , P
SCARP HEIGHT	1.33	0.64
SCARP SLOPE	2.66	1.28
SCARP SOIL TYPE	Clay, Silt	Clay, Silt
BERM HEIGHT	2.01	1.8
BERM WIDTH	12.3	8
BERM SOIL TYPE	Clay, Silt	Clay, Silt
UNDER WATER SLOPE	0.081	0.112
BENCH SEDIMENT TYPE	Silty sand	Uniform silty sand
SUBAQUOUS BENCH DESCRIPTION		Sand & Clay mix?

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	10	11
DATE	15-Sep-95	16-Sep-95
TIME	11:35 AM	09:15 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT		620.5
UTM X	158588.1	165693.7
UTM Y	4817560.3	4753801.5
BANK SECTION TYPE	dn	up
RDB/LDB	RDB	LDB
POOL NAME	POOL 9	POOL 10
GEOMORPHIC CHARACTER	OUTSIDE BEND	CROSS OVER
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	y
ARCHEOLOGICAL SITE		n
SURROUNDING STRUCTURES	u/s of Big Slough?	u/s of Wing Dam
COMMERCIAL TRAFFIC LEVEL		H
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	468.8'	6468.8'
LAND USE ON BANK CREST	G(Weeds)	Poison Ivy, Grapes, Cane
TYPE OF VEGETATION ON TOP OF BANK	Cane	Poison Ivy, Grapes, Cane
TYPE OF VEGETATION AT SCARP FACE	Roots from weeds & trees	Yes. mixed with root webs
TYPE OF VEGETATION AT BENCH	Some aquatic Veg. washed ashore	Yes..submerged Vegetation (type?)
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Covers bank height from top 2'	Yes..3', ? covers sand scarp
OVERLAND DRAINAGE AT THE SITE	NO	NO
BANK EROSION TYPE	C, B, FD, W, P	FD, W, Structure (Wing Dam)
SCARP HEIGHT	2.82	1.24
SCARP SLOPE	14.1	4.13
SCARP SOIL TYPE	Clay, Silt	Sand below drap
BERM HEIGHT	n/a	2.56
BERM WIDTH	n/a	13.2
BERM SOIL TYPE	Clay, Silt	
UNDER WATER SLOPE	0.128	0.13
BENCH SEDIMENT TYPE	Fine sand	Uniform sand
SUBAQUOUS BENCH DESCRIPTION	Very fine sand bench	

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	11
DATE	16-Sep-95
TIME	08:40 AM
RIVER	UMR
RIVER MILE @ MIDPOINT	620.5
UTM X	
UTM Y	
BANK SECTION TYPE	mp
RDB/LDB	LDB
POOL NAME	POOL 10
GEOMORPHIC CHARACTER	CROSS OVER
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	y
ARCHEOLOGICAL SITE	n
SURROUNDING STRUCTURES	u/s of L&D 10(@RM 615.7).Wing Dam field..fairly long one, extend to Red Buoy
COMMERCIAL TRAFFIC LEVEL	H
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	6468.8'
LAND USE ON BANK CREST	W(Species?...on the back), Poison Ivy
TYPE OF VEGETATION ON TOP OF BANK	?
TYPE OF VEGETATION AT SCARP FACE	Roots & Vines extent to form a drap about 2.5'
TYPE OF VEGETATION AT BENCH	Yes..submerged Vegetation (type?)
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Covers the sand scarp and berm. Medium density
OVERLAND DRAINAGE AT THE SITE	NO
BANK EROSION TYPE	F. C. Plus structure (Wing Dam) , P , F
SCARP HEIGHT	3.29
SCARP SLOPE	2.742
SCARP SOIL TYPE	Sand
BERM HEIGHT	2.26
BERM WIDTH	6
BERM SOIL TYPE	Clay
UNDER WATER SLOPE	0.149
BENCH SEDIMENT TYPE	SM, Uniform fine sand on top
SUBAQUOUS BENCH DESCRIPTION	Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	11	12
DATE	16-Sep-95	16-Sep-95
TIME	09:00 AM	01:30 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	620.5	613.6
UTM X	165651.7	166188.9
UTM Y	4753393.0	4743233.9
BANK SECTION TYPE	dn	up
RDB/LDB	LDB	LDB
POOL NAME	POOL 10	POOL 11
GEOMORPHIC CHARACTER	CROSS OVER	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	y?	n
ARCHEOLOGICAL SITE	n	n
SURROUNDING STRUCTURES	dike	d/s of Cassville slough.Seems also a mooring area at u/s of the island
COMMERCIAL TRAFFIC LEVEL	H	H
RECREATIONAL TRAFFIC LEVEL		H
ESTIMATED DISTANCE TO THE SAILING LINE	6468.8'	4593.8'
LAND USE ON BANK CREST	W(d, 1.5' or 2'. 40 to 50 Yrs. old)	G(very sparse grass)
TYPE OF VEGETATION ON TOP OF BANK	Vines, Poison Ivy	G(Young weeds not dense..root webs, W(old trees..Silver Maple)
TYPE OF VEGETATION AT SCARP FACE	Vines, Poison Ivy	NO
TYPE OF VEGETATION AT BENCH	Yes..submerged Vegetation (type?)	Not seen..very wavy surface
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1" - 2" vine and root web	Fine web covers top 2'
OVERLAND DRAINAGE AT THE SITE	NO	Yes..possible due to return flood
BANK EROSION TYPE	Scarp & berm. FD , W , Structure (Wing Dam)	FD , W , P , R & T
SCARP HEIGHT	n/a	0.43
SCARP SLOPE	n/a	4.3
SCARP SOIL TYPE	SM	ML
BERM HEIGHT	3.24	1.78
BERM WIDTH	6.1	7.3
BERM SOIL TYPE	SM	MH
UNDER WATER SLOPE	0.09	0.012
BENCH SEDIMENT TYPE	Uniform fine sand	MH
SUBAQUOUS BENCH DESCRIPTION	Sandy bench	NO Bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	12	12
DATE	16-Sep-95	16-Sep-95
TIME	01:10 PM	12:40 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	613.4	612.5
UTM X		166184.0
UTM Y		4742946.5
BANK SECTION TYPE	mp	dn
RDB/LDB	LDB	LDB
POOL NAME	POOL 11	POOL 11
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE		n
SURROUNDING STRUCTURES	Just d/s from Ackerman's Cut	d/s of Cassville slough.**
COMMERCIAL TRAFFIC LEVEL		H
RECREATIONAL TRAFFIC LEVEL		H
ESTIMATED DISTANCE TO THE SAILING LINE	4968.8'	6843.8'
LAND USE ON BANK CREST	G, W(Silver Maple)	?
TYPE OF VEGETATION ON TOP OF BANK	G, W(Silver Maple)	Bare
TYPE OF VEGETATION AT SCARP FACE	Exposed roots/Poison Ivy	NO
TYPE OF VEGETATION AT BENCH	NO	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1' - 2' exposed roots	Grass?
OVERLAND DRAINAGE AT THE SITE	Slough outlet just U.S. of site...4 small sloughs cut through this erosion reach	Yes when water return from high water
BANK EROSION TYPE	C, W, R & T, minor P	FD, W, P, R & T
SCARP HEIGHT	1.9	1.63
SCARP SLOPE	1.9	1.63
SCARP SOIL TYPE	SM	Clay, Silt mixture
BERM HEIGHT	NONE	0.53
BERM WIDTH	NONE	5.3
BERM SOIL TYPE	SM	Clay, CL, MH
UNDER WATER SLOPE	0.0333	0.288
BENCH SEDIMENT TYPE	ML	Clay, CL, MH?
SUBAQUOUS BENCH DESCRIPTION	NO Bench	NO Bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	13	14
DATE	16-Sep-95	16-Sep-95
TIME	01:00 PM	02:25 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	613.6	607.5
UTM X	165888.3	171699.5
UTM Y	4743047.6	4737267.1
BANK SECTION TYPE	mp	up
RDB/LDB	RDB	RDB
POOL NAME	POOL 11	POOL 11
GEOMORPHIC CHARACTER	INSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	y	n
ARCHEOLOGICAL SITE		n
SURROUNDING STRUCTURES	Wing Dams u/s & d/s. Shore control point 50' u/s	d/s of local ferry landing..about 600' barge fleeting area from here down
COMMERCIAL TRAFFIC LEVEL		H
RECREATIONAL TRAFFIC LEVEL		H
ESTIMATED DISTANCE TO THE SAILING LINE	2437.5'	656.3'
LAND USE ON BANK CREST	G, W(Silver Maple)	Very dense cane
TYPE OF VEGETATION ON TOP OF BANK	G, W(Silver Maple)	Very dense Cane
TYPE OF VEGETATION AT SCARP FACE	G, W(Silver Maple)	NO
TYPE OF VEGETATION AT BENCH	N/A	Some aquatic Veg. washed ashore
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1' - 2' exposed roots	NO
OVERLAND DRAINAGE AT THE SITE	NO	NO
BANK EROSION TYPE	W, R & T	F, C, L, W, R & T, P, FD
SCARP HEIGHT	n/a	2.52
SCARP SLOPE	n/a	8.4
SCARP SOIL TYPE	SM	MH
BERM HEIGHT	1.9	3.51
BERM WIDTH	14	12
BERM SOIL TYPE	SC	MH
UNDER WATER SLOPE	0.133	0.129
BENCH SEDIMENT TYPE	SM	PT
SUBAQUOUS BENCH DESCRIPTION	Flat & gently sloping Sandy bench	Stepped bench & berm area

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	14
DATE	16-Sep-95
TIME	02:25 PM
RIVER	UMR
RIVER MILE @ MIDPOINT	607.5
UTM X	
UTM Y	
BANK SECTION TYPE	mp
RDB/LDB	RDB
POOL NAME	POOL 11
GEOMORPHIC CHARACTER	INSIDE BEND
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	y
ARCHEOLOGICAL SITE	n
SURROUNDING STRUCTURES	Fleeting Area. Wing Dams both u/s and d/s of this area.
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	656.3'
LAND USE ON BANK CREST	G, W(Boxelder & Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G(Grassy),W
TYPE OF VEGETATION AT SCARP FACE	G(Grassy)
TYPE OF VEGETATION AT BENCH	N/A
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	2' - 3' exposed roots
OVERLAND DRAINAGE AT THE SITE	Yes..Small gullies in vertical scarp every 15'+/-
BANK EROSION TYPE	C, L, P, W, R & T, B/S
SCARP HEIGHT	3.2
SCARP SLOPE	3.2
SCARP SOIL TYPE	CL/ML
BERM HEIGHT	3.1
BERM WIDTH	12
BERM SOIL TYPE	CL/ML
UNDER WATER SLOPE	0.147
BENCH SEDIMENT TYPE	CL
SUBAQUOUS BENCH DESCRIPTION	Stepped bench & berm area

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	14
DATE	16-Sep-95
TIME	02:30 PM
RIVER	UMR
RIVER MILE @ MIDPOINT	607.5
UTM X	172589.5
UTM Y	4736649.4
BANK SECTION TYPE	dn
RDB/LDB	RDB
POOL NAME	POOL 11
GEOMORPHIC CHARACTER	INSIDE BEND
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	n
ARCHEOLOGICAL SITE	n
SURROUNDING STRUCTURES	Mooring/Fleeting area
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	656.3'
LAND USE ON BANK CREST	G, W(Willow,Silver Maple...mostly grassy)
TYPE OF VEGETATION ON TOP OF BANK	G,W
TYPE OF VEGETATION AT SCARP FACE	G/Bare
TYPE OF VEGETATION AT BENCH	N/A
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	2' - 3' exposed roots
OVERLAND DRAINAGE AT THE SITE	Yes..small erosion rills at vertical scarp
BANK EROSION TYPE	C, L, P, W, R & T, B/S
SCARP HEIGHT	1.2
SCARP SLOPE	1
SCARP SOIL TYPE	CL/ML
BERM HEIGHT	1.7
BERM WIDTH	9
BERM SOIL TYPE	CL/ML
UNDER WATER SLOPE	0.0985
BENCH SEDIMENT TYPE	SC/ML/CL
SUBAQUOUS BENCH DESCRIPTION	Stepped bench & berm area. Sandy surface washed by waves & Fleeting area

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	15
DATE	17-Sep-95
TIME	10:30 AM
RIVER	UMR
RIVER MILE @ MIDPOINT	576.0
UTM X	202177.2
UTM Y	4707158.6
BANK SECTION TYPE	up
RDB/LDB	LDB
POOL NAME	POOL 12
GEOMORPHIC CHARACTER	INSIDE BEND
BANK TYPE	Revetted
WINGDAM PRESENT OR NOT	y
ARCHEOLOGICAL SITE	?
SURROUNDING STRUCTURES	Wing Dams u/s of site. Fleeting area, riprap bank
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	3937.5'
LAND USE ON BANK CREST	G, W(Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G,W
TYPE OF VEGETATION AT SCARP FACE	G/Bare
TYPE OF VEGETATION AT BENCH	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	
OVERLAND DRAINAGE AT THE SITE	Some rilling of upper top of bank
BANK EROSION TYPE	F, C, S, B, L, P, W, R & T
SCARP HEIGHT	n/a
SCARP SLOPE	n/a
SCARP SOIL TYPE	SC/ML
BERM HEIGHT	4.8
BERM WIDTH	16.5
BERM SOIL TYPE	SC/ML
UNDER WATER SLOPE	0.092
BENCH SEDIMENT TYPE	Sand over SL/ML
SUBAQUOUS BENCH DESCRIPTION	Wide sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	15	15
DATE	17-Sep-95	17-Sep-95
TIME	10:00 AM	10:00 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	576.0	576.0
UTM X		203284.0
UTM Y		4706534.2
BANK SECTION TYPE	mp	dn
RDB/LDB	LDB	LDB
POOL NAME	POOL 12	POOL 12
GEOMORPHIC CHARACTER	INSIDE BEND	STRAIGHT REACH
BANK TYPE	Revetted	Natural
WINGDAM PRESENT OR NOT	y	n
ARCHEOLOGICAL SITE	y	n
SURROUNDING STRUCTURES	Wing Dams u/s of end of site. Fleeting area, riprap bank	Barge Fleeting area
COMMERCIAL TRAFFIC LEVEL		H
RECREATIONAL TRAFFIC LEVEL		H
ESTIMATED DISTANCE TO THE SAILING LINE	3937.5'	3937.5'
LAND USE ON BANK CREST	G, W(Silver Maple, Poison Ivy)	G, W(Species?)
TYPE OF VEGETATION ON TOP OF BANK	G,W	Medium dense Cane
TYPE OF VEGETATION AT SCARP FACE	Bare	NO
TYPE OF VEGETATION AT BENCH	N/A	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	2' exposed roots	3' over..very fine web covers
OVERLAND DRAINAGE AT THE SITE	Minor rilling at scarp area	NO
BANK EROSION TYPE	F, S, B, L, P, W, R & T	Mooring , P , W , FD
SCARP HEIGHT	1.6	n/a
SCARP SLOPE	1.6	n/a
SCARP SOIL TYPE	SM/SC	MH
BERM HEIGHT	3.6	4.22
BERM WIDTH	20	16.7
BERM SOIL TYPE	SM/SC	MH
UNDER WATER SLOPE	0.116	0.059
BENCH SEDIMENT TYPE	Sand on silt & clay	SM
SUBAQUOUS BENCH DESCRIPTION	Wide sandy bench	Fine Sand & silty bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	16
DATE	17-Sep-95
TIME	04:30 PM
RIVER	UMR
RIVER MILE @ MIDPOINT	551.9
UTM X	222565.3
UTM Y	4678808.5
BANK SECTION TYPE	up
RDB/LDB	LDB
POOL NAME	POOL 13
GEOMORPHIC CHARACTER	INSIDE BEND
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	y
ARCHEOLOGICAL SITE	n
SURROUNDING STRUCTURES	d/s of Wing Dams
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	187.5'
LAND USE ON BANK CREST	G, W(Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G,W
TYPE OF VEGETATION AT SCARP FACE	NO
TYPE OF VEGETATION AT BENCH	N/A
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1' - 2' exposed roots..upstream & downstream of site
OVERLAND DRAINAGE AT THE SITE	Yes..rilling at bank crest
BANK EROSION TYPE	F, C, S, B, L, P, W, R & T
SCARP HEIGHT	0.1
SCARP SLOPE	0.1
SCARP SOIL TYPE	SC/ML
BERM HEIGHT	1.5
BERM WIDTH	4.5
BERM SOIL TYPE	SC/ML
UNDER WATER SLOPE	0.286
BENCH SEDIMENT TYPE	SC/ML
SUBAQUOUS BENCH DESCRIPTION	NO Bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	16	16
DATE	17-Sep-95	17-Sep-95
TIME	04:00 PM	04:10 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	551.9	551.9
UTM X		222687.6
UTM Y		4678604.4
BANK SECTION TYPE	mp	dn
RDB/LDB	LDB	LDB
POOL NAME	POOL 13	POOL 13
GEOMORPHIC CHARACTER	INSIDE BEND	INSIDE BEND?
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	y	y
ARCHEOLOGICAL SITE	n	n
SURROUNDING STRUCTURES	Wing Dam 1000' d/s	Wing Dam 1000' d/s
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	187.5'	187.5'
LAND USE ON BANK CREST	G(Grass), W(Silver Maple)	G(Weeds..dense approx. 2'), W(2' Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G,W	G(Weeds..dense 2')
TYPE OF VEGETATION AT SCARP FACE	G,W(Silver maple)	NO
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1' - 2' exposed roots	Exposed root 4'
OVERLAND DRAINAGE AT THE SITE	Yes..rilling in upper scarp area	NO
BANK EROSION TYPE	F, C, S, B, P, W, R & T	FD, W, R & T, P
SCARP HEIGHT	1	n/a
SCARP SLOPE	Varies..vertical scarps & sloping berms	n/a
SCARP SOIL TYPE	ML	SM
BERM HEIGHT	n/a	n/a
BERM WIDTH	n/a	n/a
BERM SOIL TYPE	ML	ML, SL
UNDER WATER SLOPE	n/a	0.146
BENCH SEDIMENT TYPE	ML	MH
SUBAQUOUS BENCH DESCRIPTION	NO Bench	NO Bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	17	17
DATE	18-Sep-95	18-Sep-95
TIME	11:45 AM	11:30 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	512.7	512.7
UTM X	231259.5	
UTM Y	4631163.3	
BANK SECTION TYPE	uplmt	up1/4
RDB/LDB	LDB	LDB
POOL NAME	POOL 14	POOL 14
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	y	y
ARCHEOLOGICAL SITE	n	n
SURROUNDING STRUCTURES	Between Wing Dams	Between Wing Dams
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	2625'	
LAND USE ON BANK CREST	G, W(Silver Maple, Cottonwood)	G, W(Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	W(Trees), Exposed roots	Trees extending out to water edge..dead trees falling into water
TYPE OF VEGETATION AT SCARP FACE	NO	W(Silver Maple)
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	2' - 3' exposed roots	Exposed root 2'
OVERLAND DRAINAGE AT THE SITE	Yes..Piping features	
BANK EROSION TYPE	L, B, P, W, R & T	P,W,R & T
SCARP HEIGHT	1.6	n/a
SCARP SLOPE	1.6	n/a
SCARP SOIL TYPE	Silty/Clay	Silty/Clay soil
BERM HEIGHT	2.3	4
BERM WIDTH	8.5	19
BERM SOIL TYPE	Sand over silty clay	Silty clay soil
UNDER WATER SLOPE	0.127	0.083
BENCH SEDIMENT TYPE	Sand over silty clay	Sand over silty clay
SUBAQUOUS BENCH DESCRIPTION	Flat sandy bench	Flat sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	17	17
DATE	18-Sep-95	18-Sep-95
TIME	11:00 AM	12:00 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	512.7	512.7
UTM X		
UTM Y		
BANK SECTION TYPE	up1/3	mp
RDB/LDB	LDB	LDB
POOL NAME	POOL 14	POOL 14
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	y	y
ARCHEOLOGICAL SITE	n	?
SURROUNDING STRUCTURES	u/s & d/s Wing Dams	Between Wing Dams
COMMERCIAL TRAFFIC LEVEL	N?	
RECREATIONAL TRAFFIC LEVEL	Yes..Fishing Boat	
ESTIMATED DISTANCE TO THE SAILING LINE		2625'
LAND USE ON BANK CREST	W(Species?),Grape Vines	G, W(Silver Maple, Willow)
TYPE OF VEGETATION ON TOP OF BANK	Grape vines	G,W
TYPE OF VEGETATION AT SCARP FACE	A(Oat Field.Sparse), garpe vine	Trees extending out in bunches.Erosion between trees
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	4" at scarp	Exposed root 2'
OVERLAND DRAINAGE AT THE SITE	NO	Yes..some rilling features
BANK EROSION TYPE	FD , W , P ( Very high ground water..soft bench)	P, W, R & T. Velocity scour around tree roots.
SCARP HEIGHT	n/a	n/a
SCARP SLOPE	n/a	n/a
SCARP SOIL TYPE	Uniform sand	Silt & Sand
BERM HEIGHT	n/a	2.5
BERM WIDTH	n/a	7
BERM SOIL TYPE	Uniform fine sand	Sand over silty clay
UNDER WATER SLOPE	n/a	0.097
BENCH SEDIMENT TYPE	SC	Sand over silty clay
SUBAQUOUS BENCH DESCRIPTION	Sandy bench with many fallen trees	Gradually sloping underwater Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	17	17
DATE	18-Sep-95	18-Sep-95
TIME	12:20 PM	11:45 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	512.7	512.7
UTM X		230852.9
UTM Y		4630868.6
BANK SECTION TYPE	dn1/4	dn1mt
RDB/LDB	LDB	LDB
POOL NAME	POOL 14	POOL 14
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	y	y
ARCHEOLOGICAL SITE	n	n
SURROUNDING STRUCTURES	u/s & d/s Wing Dams	u/s & d/s Wing Dams
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE		
LAND USE ON BANK CREST	G, W(Silver Maple)	G,W(Some trees..Species?)
TYPE OF VEGETATION ON TOP OF BANK	G,W	G(Grass)
TYPE OF VEGETATION AT SCARP FACE	W(Silver Maple)	G(Grass)
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Exposed root 2'	NO
OVERLAND DRAINAGE AT THE SITE	Yes..Piping features	NO
BANK EROSION TYPE	P, W, R & T	W..Stable site
SCARP HEIGHT	n/a	
SCARP SLOPE	n/a	?
SCARP SOIL TYPE	Silty/Clay	Sandy
BERM HEIGHT	1.7	
BERM WIDTH	6.2	
BERM SOIL TYPE	Sand over silty clay	Sandy
UNDER WATER SLOPE	0.145	18.51H:1V
BENCH SEDIMENT TYPE	Sand over silty clay	Sandy
SUBAQUOUS BENCH DESCRIPTION	Sandy bench	Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	17	18
DATE	18-Sep-95	18-Sep-95
TIME	11:15 AM	03:30 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	512.7	509.2
UTM X		226499.5
UTM Y		4628567.5
BANK SECTION TYPE	dnbkch	up
RDB/LDB	LDB	RDB
POOL NAME	POOL 14	POOL 14
GEOMORPHIC CHARACTER	BACK CHANNEL	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	?	n
ARCHEOLOGICAL SITE	n	n
SURROUNDING STRUCTURES	Approx. 800' wide of back channel	closing structure behind island
COMMERCIAL TRAFFIC LEVEL	N?	
RECREATIONAL TRAFFIC LEVEL	Several Fishing Boat	
ESTIMATED DISTANCE TO THE SAILING LINE		
LAND USE ON BANK CREST	G(Weed)	G, W(Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds)	G,W
TYPE OF VEGETATION AT SCARP FACE	A(Oat field..2' tall Veg.)	Bare face
TYPE OF VEGETATION AT BENCH		NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NO	Exposed root 3'
OVERLAND DRAINAGE AT THE SITE	NO	Some rilling in scarp area
BANK EROSION TYPE	Acretion site, stable. Some W, P, erosion	F, C, S, B, L, P, W, R & T
SCARP HEIGHT		?
SCARP SLOPE		?
SCARP SOIL TYPE	ML	SC/ML
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	NO	SC/ML
UNDER WATER SLOPE	15.15H:1V	5.49H:1V
BENCH SEDIMENT TYPE	MH, CH	SC/ML
SUBAQUOUS BENCH DESCRIPTION	Very soft bench with silt-sand mixture	Silty/clay bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	18	18
DATE	18-Sep-95	18-Sep-95
TIME	02:45 PM	03:45 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	509.2	509.2
UTM X		226231.5
UTM Y		4628337.1
BANK SECTION TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	POOL 14	POOL 14
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE	n	n
SURROUNDING STRUCTURES	closing structure behind island	closing structure behind island
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	1875'	
LAND USE ON BANK CREST	G, W(Silver Maple)	G, W(Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G,W	W(Silver Maple)
TYPE OF VEGETATION AT SCARP FACE	G,W(Silver maple)	W(Silver Maple)
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1' - 2' exposed roots	1' exposure
OVERLAND DRAINAGE AT THE SITE	NO	NO
BANK EROSION TYPE	W, R & T	W, R & T
SCARP HEIGHT	?	?
SCARP SLOPE	?	?
SCARP SOIL TYPE	Sand, Silt & Clay	Sand
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	Sand	Sand
UNDER WATER SLOPE	7.04H:1V	8.55H:1V
BENCH SEDIMENT TYPE	Sand	Sand
SUBAQUOUS BENCH DESCRIPTION	Sandy bench	Gently sloping Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	19
DATE	18-Sep-95
TIME	04:00 PM
RIVER	UMR
RIVER MILE @ MIDPOINT	509.2
UTM X	226559.2
UTM Y	4628120.5
BANK SECTION TYPE	mp
RDB/LDB	LDB
POOL NAME	POOL 14
GEOMORPHIC CHARACTER	STRAIGHT REACH
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	
ARCHEOLOGICAL SITE	
SURROUNDING STRUCTURES	closing structure behind island?
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	750'
LAND USE ON BANK CREST	I
TYPE OF VEGETATION ON TOP OF BANK	G,W
TYPE OF VEGETATION AT SCARP FACE	Bare scarp
TYPE OF VEGETATION AT BENCH	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Minor..0' - 6'
OVERLAND DRAINAGE AT THE SITE	NO
BANK EROSION TYPE	F, DS, C, S, B, L, P, W, R & T
SCARP HEIGHT	?
SCARP SLOPE	?
SCARP SOIL TYPE	SC
BERM HEIGHT	
BERM WIDTH	
BERM SOIL TYPE	SM
UNDER WATER SLOPE	7.46H:1V
BENCH SEDIMENT TYPE	SP
SUBAQUOUS BENCH DESCRIPTION	Gently sloping Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	19
DATE	18-Sep-95
TIME	04:10 PM
RIVER	UMR
RIVER MILE @ MIDPOINT	509.2
UTM X	226483.5
UTM Y	4628039.7
BANK SECTION TYPE	dn
RDB/LDB	LDB
POOL NAME	POOL 14
GEOMORPHIC CHARACTER	STRAIGHT REACH
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	
ARCHEOLOGICAL SITE	n
SURROUNDING STRUCTURES	closing structure behind island?
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	750'
LAND USE ON BANK CREST	I
TYPE OF VEGETATION ON TOP OF BANK	G,W(Hackberry, boxelder, Silver Maple)
TYPE OF VEGETATION AT SCARP FACE	G,W
TYPE OF VEGETATION AT BENCH	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Minor..0' - 1'
OVERLAND DRAINAGE AT THE SITE	NO
BANK EROSION TYPE	F, D, C, S, B, L, P, W, R & T
SCARP HEIGHT	?
SCARP SLOPE	?
SCARP SOIL TYPE	SC
BERM HEIGHT	
BERM WIDTH	
BERM SOIL TYPE	SM
UNDER WATER SLOPE	5.75H:1V
BENCH SEDIMENT TYPE	SP
SUBAQUOUS BENCH DESCRIPTION	Sandy bench..20' +/- wide

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	21	21
DATE	02-Oct-95	02-Oct-95
TIME	12:30 PM	01:10 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	466.9	466.7
UTM X		
UTM Y		
BANK SECTION TYPE	Tip	up
RDB/LDB	ISLAND	LDB/I
POOL NAME	POOL 16	POOL 16
GEOMORPHIC CHARACTER	Island	STRAIGHT REACH
BANK TYPE	Natural	Revetted
WINGDAM PRESENT OR NOT	Yes	Yes
ARCHEOLOGICAL SITE	NO	
SURROUNDING STRUCTURES	Wingdam	Upstream wingdam (short)
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	468.8'	937.5'
LAND USE ON BANK CREST	G	
TYPE OF VEGETATION ON TOP OF BANK	G(Grass),W(Old Trees)	??G(Grass)
TYPE OF VEGETATION AT SCARP FACE	W(Silver Maple)	W(Maple)
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	??	Moderate
OVERLAND DRAINAGE AT THE SITE	NO	
BANK EROSION TYPE	FD, W, P	FD
SCARP HEIGHT		
SCARP SLOPE		
SCARP SOIL TYPE	MH	Sand / SSP (Stone slope protection)
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE		Sand
UNDER WATER SLOPE	3.39H:1V	11.11H:1V
BENCH SEDIMENT TYPE	SM	Sand. Stone
SUBAQUOUS BENCH DESCRIPTION	Sand mostly over silts..fine sand..sand & silt	

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	21	21	21
DATE	02-Oct-95	02-Oct-95	02-Oct-95
TIME	01:55 PM	12:40 PM	01:50 PM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	466.8	466.7	466.5
UTM X		587431.4	
UTM Y		15079619.6	
BANK SECTION TYPE	up1/3	mp	dn1/4
RDB/LDB	RDB	LDB	LDB
POOL NAME	POOL 16	POOL 16	POOL 16
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT		NO	NO
ARCHEOLOGICAL SITE		NO	NO
SURROUNDING STRUCTURES		Island	
COMMERCIAL TRAFFIC LEVEL	N	H	
RECREATIONAL TRAFFIC LEVEL	L	H	
ESTIMATED DISTANCE TO THE SAILING LINE	1031.3'	1031.3'	750'
LAND USE ON BANK CREST		G(Weed)	
TYPE OF VEGETATION ON TOP OF BANK	Dense vines, Oak field	G(weeds)	Brush?, G(Grass)
TYPE OF VEGETATION AT SCARP FACE	Dense vines, Oak field	Roots, Vines, W(Silver maple..d approx. 1.5')	G(Pl, Jewel weed)
TYPE OF VEGETATION AT BENCH	NO	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NO	Roots cover whole scarp face	Severe
OVERLAND DRAINAGE AT THE SITE	NO	NO	NO
BANK EROSION TYPE	FD , W , P	FD , W , P	
SCARP HEIGHT			
SCARP SLOPE			
SCARP SOIL TYPE	OL, CL	ML, CL	Sand /Silt
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE	CH	MH	Sand
UNDER WATER SLOPE	14.49H:1V	19.61H:1V	14.71H:1V
BENCH SEDIMENT TYPE	OH, CH	SM, SC	Sand
SUBAQUOUS BENCH DESCRIPTION			

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	21	21	22
DATE	02-Oct-95	02-Oct-95	03-Oct-95
TIME	02:45 PM	02:10 PM	09:30 AM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	466.7	466.3	436.4
UTM X			
UTM Y			
BANK SECTION TYPE	dn1/3	End	uplmt
RDB/LDB	LDB	LDB	LDB
POOL NAME	POOL 16	POOL 16	POOL 18
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	NO	NO	NO
ARCHEOLOGICAL SITE	NO	NO	NO
SURROUNDING STRUCTURES	Back of island	??	Downstream of L&D 17
COMMERCIAL TRAFFIC LEVEL	N		H
RECREATIONAL TRAFFIC LEVEL	L		H
ESTIMATED DISTANCE TO THE SAILING LINE	1031.3'	281.3'	1312.5'
LAND USE ON BANK CREST	W(Tall Silver Maple)		G(dense grass), W(Woods. d approx. 1.5'. Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G(Sparse weeds..1')	G(Grass)	G(Dense grass)
TYPE OF VEGETATION AT SCARP FACE	G(Sparse weeds), W( Silver Maple)		NO
TYPE OF VEGETATION AT BENCH	NO	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Covered, 1' tall		NONE
OVERLAND DRAINAGE AT THE SITE	NO	NO	NO
BANK EROSION TYPE	B		PG. RT , W , P , FD
SCARP HEIGHT			
SCARP SLOPE			
SCARP SOIL TYPE	ML	Sand /Silt	CL, CM
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE	NO BERM	2' sand over rock	NO BERM
UNDER WATER SLOPE	10.64H:1V	13.00H:1V	8.62H:1V
BENCH SEDIMENT TYPE	CH, OH	Sand	SM, SC
SUBAQUOUS BENCH DESCRIPTION			

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	22	22	22
DATE	03-Oct-95	03-Oct-95	03-Oct-95
TIME	10:00 AM	10:05 AM	10:26 AM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	436.4	436.1	436.4
UTM X		160345.8	160394.7
UTM Y		4566744.7	4566618.8
BANK SECTION TYPE	up	mp	dn
RDB/LDB	LDB	LDB	LDB
POOL NAME	POOL 18	POOL 18	POOL 18
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	NO	NO	NO
ARCHEOLOGICAL SITE	NO	NO	NO
SURROUNDING STRUCTURES	Mooring area, bare cables laying around	Downstream of L&D 17	Mooring area
COMMERCIAL TRAFFIC LEVEL		H	
RECREATIONAL TRAFFIC LEVEL		H	
ESTIMATED DISTANCE TO THE SAILING LINE	656.3'	656.3'	1125'
LAND USE ON BANK CREST	G, W(Silver Maple), grapevine, foxtail ground cherry	W(Silver Maple..d , 1.5')	G, W(Silver Maple)
TYPE OF VEGETATION ON TOP OF BANK	G,W	W(1' Oak field)	
TYPE OF VEGETATION AT SCARP FACE	NO	W(Sparse oak field)	
TYPE OF VEGETATION AT BENCH	NO	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Old exposure	Not much..several stick out	
OVERLAND DRAINAGE AT THE SITE		NO	
BANK EROSION TYPE		B, L, RT, W, P, FD	
SCARP HEIGHT			
SCARP SLOPE			
SCARP SOIL TYPE		ML	
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE		MH	
UNDER WATER SLOPE	6.85H:1V	8.85H:1V	2.40H:1V
BENCH SEDIMENT TYPE		CH, OH	
SUBAQUOUS BENCH DESCRIPTION			Steep drop off at water line

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	22	23	23
DATE	03-Oct-95	03-Oct-95	03-Oct-95
TIME		11:25 AM	11:55 AM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	436.4	436.4	436.4
UTM X			
UTM Y			
BANK SECTION TYPE	dnlmt	up	dn
RDB/LDB	LDB	RDB	RDB
POOL NAME	POOL 18	POOL 18	POOL 18
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	NO	NO	NO
ARCHEOLOGICAL SITE	NO	NO	NO
SURROUNDING STRUCTURES		Downstream of L&D 17	
COMMERCIAL TRAFFIC LEVEL		H	M?
RECREATIONAL TRAFFIC LEVEL		H	M
ESTIMATED DISTANCE TO THE SAILING LINE	1125'	2250'	2250'
LAND USE ON BANK CREST	W(Silver Maple)	G(Grass), W(Tall Trees)	G, W(Simple cottonwood)
TYPE OF VEGETATION ON TOP OF BANK	W(Silver Maple)	W(d , 1'..Oak field. Very dense)	G(Old fields..grass, weeds)
TYPE OF VEGETATION AT SCARP FACE		NO clear bank face	G(Grass, Weeds)
TYPE OF VEGETATION AT BENCH	Veg. on top of bank..root on bench	Duck weeds along shore line	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Severe	NO	NO
OVERLAND DRAINAGE AT THE SITE		NO	Yes..soil peds?? polygons
BANK EROSION TYPE		W , LS , P , RT , FD	FD, W, P
SCARP HEIGHT			
SCARP SLOPE			
SCARP SOIL TYPE		ML, CL	MH
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE		MH, CH	SM, ML
UNDER WATER SLOPE	4.83H:1V	14.71H:1V	6.90H:1V
BENCH SEDIMENT TYPE		Surface: uniform sand	SM, ML
SUBAQUOUS BENCH DESCRIPTION	Long sloping bench	Two segments of bench..sand & clay bench	??

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	24	24	24
DATE	03-Oct-95	03-Oct-95	03-Oct-95
TIME	12:25 PM	12:30 PM	01:20 PM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	432.3	432.3	432.3
UTM X	164805.8		165208.0
UTM Y	4564687.6		4564207.9
BANK SECTION TYPE	up	mp	dn
RDB/LDB	LDB	LDB	LDB
POOL NAME	POOL 18	POOL 18	POOL 18
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Nat, Rev	Natural	Nat, Rev
WINGDAM PRESENT OR NOT	NO	NO	NO
ARCHEOLOGICAL SITE	NO	NO	NO
SURROUNDING STRUCTURES		New Boston	
COMMERCIAL TRAFFIC LEVEL			
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE		937.5'	
LAND USE ON BANK CREST		A Narrow Ridge	Natural
TYPE OF VEGETATION ON TOP OF BANK			W(Locust trees)
TYPE OF VEGETATION AT SCARP FACE			
TYPE OF VEGETATION AT BENCH	NO	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE		Some dead roots..in general there isn't any	Severe but old
OVERLAND DRAINAGE AT THE SITE			
BANK EROSION TYPE		Deflation , RT , W , FD	
SCARP HEIGHT			approx. 40 to 50'
SCARP SLOPE			
SCARP SOIL TYPE			
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE			
UNDER WATER SLOPE	6.29H:1V	6.62H:1V	5.21H:1V
BENCH SEDIMENT TYPE			
SUBAQUOUS BENCH DESCRIPTION			Sandy bench

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	25	26	26
DATE	03-Oct-95	03-Oct-95	03-Oct-95
TIME	02:00 PM	04:22 PM	
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	432.3	420.0	420.0
UTM X		167479.6	
UTM Y		4545818.3	
BANK SECTION TYPE	mp	up	mp
RDB/LDB	RDB	RDB	RDB
POOL NAME	POOL 18	POOL 18	POOL 18
GEOMORPHIC CHARACTER	INSIDE BEND	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	NO	Yes	Yes
ARCHEOLOGICAL SITE		NO	NO
SURROUNDING STRUCTURES	Island		Wing dams
COMMERCIAL TRAFFIC LEVEL			
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE	1312.5'		3993.8'
LAND USE ON BANK CREST	W(Woods..d , 1.5'..dense oak field..3'-4' dense)		W(Silver Maple, Cotton Wood)
TYPE OF VEGETATION ON TOP OF BANK	Some..moderate	G(PI/Grass)	Grape Vine, Sparse
TYPE OF VEGETATION AT SCARP FACE	NO	NO	NO.sand
TYPE OF VEGETATION AT BENCH	NO	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NO..drap of root web though	Severe	Yes, from top 6'
OVERLAND DRAINAGE AT THE SITE	NO		NO
BANK EROSION TYPE	FD , P , W		FD , W , P(Seepage)
SCARP HEIGHT			
SCARP SLOPE			
SCARP SOIL TYPE	CL		Sand
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE			ML
UNDER WATER SLOPE	2.98H:1V	7.69H:1V	9.52H:1V
BENCH SEDIMENT TYPE	CL		Uniform sand
SUBAQUOUS BENCH DESCRIPTION			

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	26	27	28
DATE	03-Oct-95	04-Oct-95	04-Oct-95
TIME		03:05 PM	04:00 PM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	420.0	360.0	357.6
UTM X	167386.5	122879.7	120734.4
UTM Y	4545408.5	4478078.2	4475251.6
BANK SECTION TYPE	dn	mp	mp
RDB/LDB	RDB	RDB	RDB
POOL NAME	POOL 18	POOL 20	POOL 20
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	Yes	NO	?
ARCHEOLOGICAL SITE	NO	?	?
SURROUNDING STRUCTURES		Mooring area. Warsaw is across the river terminals across the river	
COMMERCIAL TRAFFIC LEVEL		H	
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE		937.5'	468.8'
LAND USE ON BANK CREST	W(Silver Maple, Cotton Wood)	G(Loosely spaced grass), W(Woods..d , 1.5')	
TYPE OF VEGETATION ON TOP OF BANK	Grape Vine, Sparse	W(Young Maples, Cottonwoods..d approx. 2'), A(oat field)	
TYPE OF VEGETATION AT SCARP FACE	NO.sand	NO	
TYPE OF VEGETATION AT BENCH	NO	Duck weeds along shore line	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE		Maple roots..2' from top	
OVERLAND DRAINAGE AT THE SITE		NO	
BANK EROSION TYPE		L, LS, & FD. Tow induced vel. , W , P	
SCARP HEIGHT			
SCARP SLOPE			
SCARP SOIL TYPE		CL, ML	
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE		CL, ML	
UNDER WATER SLOPE	5.00H:1V	8.40H:1V	6.00:1V
BENCH SEDIMENT TYPE		ML	
SUBAQUOUS BENCH DESCRIPTION			

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	29	29
DATE	05-Oct-95	05-Oct-95
TIME	10:10 AM	10:00 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	339.4	339.3
UTM X	116470.2	
UTM Y	4447544.4	
BANK SECTION TYPE	up	mp
RDB/LDB	LDB	LDB
POOL NAME	POOL 21	POOL 21
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	Yes	Yes
ARCHEOLOGICAL SITE	NO	NO
SURROUNDING STRUCTURES	Wing dams off island	Wing dams
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	4312.5'	4500'
LAND USE ON BANK CREST	W(Silver Maple, Cotton Wood, Elm)	G, W
TYPE OF VEGETATION ON TOP OF BANK	W(Silver Maples, Cottonwoods, dense Oak field..d , 2')	G,W
TYPE OF VEGETATION AT SCARP FACE	G(small weeds)	G,W
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	4' deep..7-9' out..trunk on crest edge	Silver Maples, Cottonwood roots??
OVERLAND DRAINAGE AT THE SITE	NO	Yes..some
BANK EROSION TYPE	F, PG, B, L, SL, C. FD , P , W or all equal	P , W / B / FD / SL
SCARP HEIGHT		
SCARP SLOPE		
SCARP SOIL TYPE	CL, OL	Sandy Silt (ML)
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	NO BERM	Sandy silt (ML)
UNDER WATER SLOPE	7.00H:1V	7.35H:1V
BENCH SEDIMENT TYPE	NO	Sandy, Silt, Clay, SM, MH
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	29	30
DATE	05-Oct-95	05-Oct-95
TIME	10:45 AM	11:30 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	339.3	339.3
UTM X	116498.7	115945.0
UTM Y	4446976.4	4447023.1
BANK SECTION TYPE	dn	mp
RDB/LDB	LDB	RDB
POOL NAME	POOL 21	POOL 21
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	Yes	?
ARCHEOLOGICAL SITE	NO	NO
SURROUNDING STRUCTURES	Wing dams just downstream	
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE		975'
LAND USE ON BANK CREST	W(Silver Maple..approx..1.5'-2'in diameter), Grapevine	G, W
TYPE OF VEGETATION ON TOP OF BANK		G,W
TYPE OF VEGETATION AT SCARP FACE	G(Grass), Grape vine	G,W
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Severe.. 3' from crest (2.5-6')	See sketch??
OVERLAND DRAINAGE AT THE SITE	Yes..flows from seepage causes rill erosion	Yes..some
BANK EROSION TYPE	P (Seepage) rill erosion. P , W , FD	P , W , B / FD / SL
SCARP HEIGHT		
SCARP SLOPE		
SCARP SOIL TYPE	SM, SC	Silt & Clay
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	CL, OL	Silt & Clay
UNDER WATER SLOPE	13.70H:1V	9.43H:1V
BENCH SEDIMENT TYPE	SP	Silt & Clay & fine sand
SUBAQUOUS BENCH DESCRIPTION	Long sloping beach	

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	31	32
DATE	06-Oct-95	12-Oct-95
TIME	11:40 AM	10:35 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	293.0	275.3
UTM X	142874.2	161137.4
UTM Y	4386555.9	4367146.0
BANK SECTION TYPE	mp	mp
RDB/LDB	LDB	RDB
POOL NAME	POOL 23	POOL 24
GEOMORPHIC CHARACTER	INSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	?	Yes?
ARCHEOLOGICAL SITE	?	NO
SURROUNDING STRUCTURES	Riprap u/s, d/s..this stretch has erosion	Barge tie off area
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	1125'	468.8'
LAND USE ON BANK CREST	W	W(Oak field, Silver Maples, Cottonwood, Ash)
TYPE OF VEGETATION ON TOP OF BANK	W	G(Weeds)
TYPE OF VEGETATION AT SCARP FACE	Tree roots	NO
TYPE OF VEGETATION AT BENCH	NO	NOT SEEN
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	3-4'	
OVERLAND DRAINAGE AT THE SITE	NO	NO
BANK EROSION TYPE	F, W..accretion	W , RT , FD , SL , P
SCARP HEIGHT		
SCARP SLOPE		
SCARP SOIL TYPE	Sand	Silt & Clay. ML & MH
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	CL	Silt & Clay. ML & MH. (Berm in water)
UNDER WATER SLOPE	10.82H:1V	6.29H:1V
BENCH SEDIMENT TYPE	Uniform sand	
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	33	34	35
DATE	12-Oct-95	13-Oct-95	13-Oct-95
TIME	02:10 PM	10:55 AM	02:15 PM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	266.5	232.2	222.1
UTM X	172293.6	185177.2	197376.6
UTM Y	4358739.4	4310233.3	4314968.4
BANK SECTION TYPE	mp	mp	up
RDB/LDB	LDB	RDB	RDB
POOL NAME	POOL 25	POOL 26	POOL 26
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	NO	Yes?	NO
ARCHEOLOGICAL SITE	NO	NO	
SURROUNDING STRUCTURES	NO..Coon island side	Out of chute of island #508	
COMMERCIAL TRAFFIC LEVEL			H
RECREATIONAL TRAFFIC LEVEL			H
ESTIMATED DISTANCE TO THE SAILING LINE	3375'	1031.3'	3468.8'
LAND USE ON BANK CREST	G(Dense Weeds 2-3'), W(Silver Maple)	W(Silver Maple)	W(Silver Maple, Black Berry)
TYPE OF VEGETATION ON TOP OF BANK	W(Oak field), Vine structure	W, Poison ivy and some grape vines	W(moderate)
TYPE OF VEGETATION AT SCARP FACE	NO	Bare face with sparse weeds	
TYPE OF VEGETATION AT BENCH	NOT SEEN	NO	Debris. No submerged
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NO	1' covers top	
OVERLAND DRAINAGE AT THE SITE	NO	NO	
BANK EROSION TYPE	Scarp. P , W , FD	FD , P	FD, W, SL, P
SCARP HEIGHT			
SCARP SLOPE			
SCARP SOIL TYPE	ML	MH	ML
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE	ML	No Berm	
UNDER WATER SLOPE	6.94H:1V	8.85H:1V	7.75H:1V
BENCH SEDIMENT TYPE	Sand	CH/CL	
SUBAQUOUS BENCH DESCRIPTION			

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	35	35
DATE	13-Oct-95	13-Oct-95
TIME	02:00 PM	02:45 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	222.1	221.1
UTM X		197574.4
UTM Y		4315158.0
BANK SECTION TYPE	mp	dn
RDB/LDB	RDB	RDB
POOL NAME	POOL 26	POOL 26
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	NO	NO
ARCHEOLOGICAL SITE	NO	
SURROUNDING STRUCTURES	Island	Close to Navigation Channel
COMMERCIAL TRAFFIC LEVEL	H	H
RECREATIONAL TRAFFIC LEVEL	H	H
ESTIMATED DISTANCE TO THE SAILING LINE	3468.8'	2625'
LAND USE ON BANK CREST	W	
TYPE OF VEGETATION ON TOP OF BANK	Grape Vines	Vine structure
TYPE OF VEGETATION AT SCARP FACE	NO. Some failed trees & roots	Dense Grape Vines
TYPE OF VEGETATION AT BENCH	NO. Submerged. Emerged Veg. live trees	debris. Mostly d/s direction
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE		
OVERLAND DRAINAGE AT THE SITE	NO	Yes. From the site
BANK EROSION TYPE	Scarp, Bench. FD , W , P	FD, W, SL, P
SCARP HEIGHT		
SCARP SLOPE		
SCARP SOIL TYPE	ML?, CL	MH
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	No Berm	CH, MH
UNDER WATER SLOPE	8.40H:1V	10.31H:1V
BENCH SEDIMENT TYPE	Clay, CL	Sand
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	36	37
DATE	13-Oct-95	14-Oct-95
TIME	03:50 PM	09:45 AM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	217.5	197.6
UTM X	203667.0	229747.7
UTM Y	4317871.9	4303486.0
BANK SECTION TYPE	mp	mp
RDB/LDB	RDB	RDB
POOL NAME	POOL 26	POOL 27
GEOMORPHIC CHARACTER	Confluence/OUTSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	NO	Yes
ARCHEOLOGICAL SITE		NO
SURROUNDING STRUCTURES	Confluence buoy	Below two small islands. Wing Dam. Above a Mooring structure
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	1875'	1875'
LAND USE ON BANK CREST	A(Beans)	W, G(Weeds)
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds)	W(Dense Oak field..3-4')
TYPE OF VEGETATION AT SCARP FACE	NO	Not much. Bare face
TYPE OF VEGETATION AT BENCH	Floated in beds	Some small debris. No submerged Veg.
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NO	NO
OVERLAND DRAINAGE AT THE SITE	Yes	Yes. From the site. 1-2' wide
BANK EROSION TYPE	Scarp, Undercut, Bench. FD , W , SL, Overland Flow	SL, P, B, W, RT, FD. FD between barge & Bank
SCARP HEIGHT		
SCARP SLOPE		
SCARP SOIL TYPE	ML	ML, CL
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	No Berm	ML, CL
UNDER WATER SLOPE	13.16H:1V	8.70H:1V
BENCH SEDIMENT TYPE	Sand	Sand
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	38
DATE	14-Oct-95
TIME	02:00 PM
RIVER	UMR
RIVER MILE @ MIDPOINT	174.8
UTM X	219145.3
UTM Y	4273909.3
BANK SECTION TYPE	mp
RDB/LDB	LDB
POOL NAME	OPEN WATER
GEOMORPHIC CHARACTER	STRAIGHT REACH
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	NO
ARCHEOLOGICAL SITE	
SURROUNDING STRUCTURES	Fleeting area; but not close to shore. Stump field on Nav. Chart
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	1312.5'
LAND USE ON BANK CREST	
TYPE OF VEGETATION ON TOP OF BANK	
TYPE OF VEGETATION AT SCARP FACE	
TYPE OF VEGETATION AT BENCH	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	
OVERLAND DRAINAGE AT THE SITE	
BANK EROSION TYPE	
SCARP HEIGHT	
SCARP SLOPE	
SCARP SOIL TYPE	Silt Blocks
BERM HEIGHT	
BERM WIDTH	
BERM SOIL TYPE	
UNDER WATER SLOPE	7.09H:1V
BENCH SEDIMENT TYPE	Sand?
SUBAQUOUS BENCH DESCRIPTION	

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	39
DATE	15-Oct-95
TIME	04:30 PM
RIVER	UMR
RIVER MILE @ MIDPOINT	112.4
UTM X	247518.8
UTM Y	4201278.3
BANK SECTION TYPE	mp
RDB/LDB	LDB
POOL NAME	OPEN WATER
GEOMORPHIC CHARACTER	OUTSIDE BEND?
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	Yes
ARCHEOLOGICAL SITE	NO
SURROUNDING STRUCTURES	Wing Dam field. both u/s & d/s failed wooden dike and recently loaded riprap
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	1500'
LAND USE ON BANK CREST	W(Young Maple, Large Cottonwoods)
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds)
TYPE OF VEGETATION AT SCARP FACE	Some grow on top part of scarp
TYPE OF VEGETATION AT BENCH	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NO
OVERLAND DRAINAGE AT THE SITE	NO
BANK EROSION TYPE	FD , P , W (RT). SL
SCARP HEIGHT	
SCARP SLOPE	
SCARP SOIL TYPE	ML, MH
BERM HEIGHT	
BERM WIDTH	
BERM SOIL TYPE	ML, MH
UNDER WATER SLOPE	5.81H:1V
BENCH SEDIMENT TYPE	Sand
SUBAQUOUS BENCH DESCRIPTION	

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	40
DATE	16-Oct-95
TIME	12:05 PM
RIVER	UMR
RIVER MILE @ MIDPOINT	94.2
UTM X	
UTM Y	
BANK SECTION TYPE	up
RDB/LDB	RDB
POOL NAME	OPEN WATER
GEOMORPHIC CHARACTER	OUTSIDE BEND
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	Yes
ARCHEOLOGICAL SITE	
SURROUNDING STRUCTURES	u/s of a Wing Dam
COMMERCIAL TRAFFIC LEVEL	
RECREATIONAL TRAFFIC LEVEL	
ESTIMATED DISTANCE TO THE SAILING LINE	937.5'
LAND USE ON BANK CREST	W(Willocks. d approx. 1')
TYPE OF VEGETATION ON TOP OF BANK	G(Sparse Weeds)
TYPE OF VEGETATION AT SCARP FACE	NO
TYPE OF VEGETATION AT BENCH	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1.5' high dead tree stump
OVERLAND DRAINAGE AT THE SITE	Yes
BANK EROSION TYPE	Scarp, Berm. Higher ground, Drainage, P, Lower L/W contact. W = RT = Prop. wash
SCARP HEIGHT	
SCARP SLOPE	
SCARP SOIL TYPE	ML, MH
BERM HEIGHT	
BERM WIDTH	
BERM SOIL TYPE	ML, MH
UNDER WATER SLOPE	2.05H:1V
BENCH SEDIMENT TYPE	ML, MH
SUBAQUOUS BENCH DESCRIPTION	

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	40	41
DATE	16-Oct-95	16-Oct-95
TIME	11:15 AM	03:30 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	94.1	77.2
UTM X	264830.7	277330.8
UTM Y	4181673.9	4163801.9
BANK SECTION TYPE	dn	mp
RDB/LDB	RDB	RDB
POOL NAME	OPEN WATER	OPEN WATER
GEOMORPHIC CHARACTER	OUTSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	Yes	Yes
ARCHEOLOGICAL SITE		
SURROUNDING STRUCTURES	d/s of a Wing Dam	d/s of Noname Island, Wing Dam field (from chart)
COMMERCIAL TRAFFIC LEVEL	H	
RECREATIONAL TRAFFIC LEVEL	H	H
ESTIMATED DISTANCE TO THE SAILING LINE	937.5'	750'
LAND USE ON BANK CREST	W(Willocks. d approx. 1')	
TYPE OF VEGETATION ON TOP OF BANK	G(Sparse Weeds)	G(Sparse Weeds)
TYPE OF VEGETATION AT SCARP FACE	NO	NO
TYPE OF VEGETATION AT BENCH	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1.5' high dead tree stump	NO
OVERLAND DRAINAGE AT THE SITE	Yes	Yes
BANK EROSION TYPE	Scarp, Berm. Upper Bank, Drainage, P, Lower Bank. W, RT, P, SL, B	FD , Overland Flow , ?
SCARP HEIGHT		
SCARP SLOPE		
SCARP SOIL TYPE	ML, MH	Silt
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	ML, MH	Silt
UNDER WATER SLOPE	14.71H:1V	5.81H:1V
BENCH SEDIMENT TYPE	ML, MH	Pebbles, Gravels
SUBAQUOUS BENCH DESCRIPTION		

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	42	42	42
DATE	17-Oct-95	17-Oct-95	17-Oct-95
TIME			07:50 AM
RIVER	UMR	UMR	UMR
RIVER MILE @ MIDPOINT	52.3	52.3	52.3
UTM X		278235.9	
UTM Y		4132843.2	
BANK SECTION TYPE	up	mp	dn
RDB/LDB	LDB	LDB	LDB
POOL NAME	OPEN WATER	OPEN WATER	OPEN WATER
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Revetted	Revetted	Revetted
WINGDAM PRESENT OR NOT	Yes	Yes	Yes
ARCHEOLOGICAL SITE	NO	NO	NO
SURROUNDING STRUCTURES	u/s of a Wing Dam..approx. 1000'	u/s of a Wing Dam..approx. 1000'	u/s of a Wing Dam..approx. 1000'
COMMERCIAL TRAFFIC LEVEL			
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE		1500'	
LAND USE ON BANK CREST	Revetment; some dredge	Revetment; some dredge	Revetment; some dredge
TYPE OF VEGETATION ON TOP OF BANK	NO	NO	NO
TYPE OF VEGETATION AT SCARP FACE			
TYPE OF VEGETATION AT BENCH	NO	NO	NO
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	NO	NO	NO
OVERLAND DRAINAGE AT THE SITE	Yes	Yes	Yes
BANK EROSION TYPE	Scarp, B. FD , W , Overland Flow	Scarp, B. FD , W , Overland Flow	Scarp, B. FD , W , Overland Flow
SCARP HEIGHT			
SCARP SLOPE			
SCARP SOIL TYPE			
BERM HEIGHT			
BERM WIDTH			
BERM SOIL TYPE			MH, ML
UNDER WATER SLOPE	7.41H:1V	10.87H:1V	5.88H:1V
BENCH SEDIMENT TYPE	Sand?	Sand	Sand?
SUBAQUOUS BENCH DESCRIPTION			

FIELD/LAB DATA SUMMARY FOR SELECTED SITES FROM UPPER MISSISSIPPI RIVER

SITE NUMBER	43	44
DATE	17-Oct-95	17-Oct-95
TIME	11:10 AM	02:30 PM
RIVER	UMR	UMR
RIVER MILE @ MIDPOINT	45.2	25.8
UTM X	282134.9	293525.4
UTM Y	4124089.9	4098657.5
BANK SECTION TYPE	mp	mp
RDB/LDB	LDB	RDB
POOL NAME	OPEN WATER	OPEN WATER
GEOMORPHIC CHARACTER	OUTSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	NO	Yes
ARCHEOLOGICAL SITE		NO
SURROUNDING STRUCTURES	d/s of a power line	Below a Wing Dam..approx. 0.2 mile.
COMMERCIAL TRAFFIC LEVEL		
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	750'	937.5'
LAND USE ON BANK CREST		W(Silver Maple, Cottonwoods, Willow)
TYPE OF VEGETATION ON TOP OF BANK		G(Thin dry grass)
TYPE OF VEGETATION AT SCARP FACE		NO
TYPE OF VEGETATION AT BENCH		Debris facing d/s. Debris in water on bank face
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE		Approx. 4' right on edge
OVERLAND DRAINAGE AT THE SITE		NO. Sand on top for Flood '93
BANK EROSION TYPE		Scarp, Berm & Sand Benches
SCARP HEIGHT		
SCARP SLOPE		
SCARP SOIL TYPE	Silt	ML, MH. Mostly Silt
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE		Silt
UNDER WATER SLOPE	5.38H:1V	7.58H:1V
BENCH SEDIMENT TYPE	Rock Bed	Sand
SUBAQUOUS BENCH DESCRIPTION		