

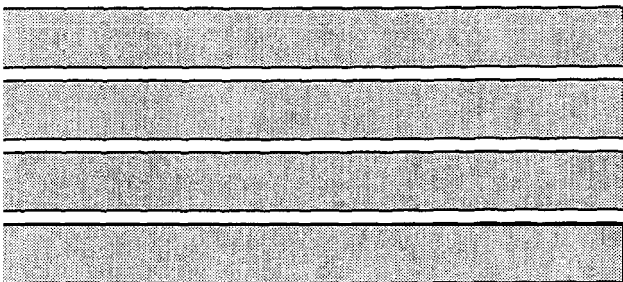
Contract Report 2000-11

Bank Erosion Survey of the Illinois River

Volume 2: Appendices

by
Nani Bhowmik and David Soong

December 2000



Illinois State Water Survey
Watershed Science Section
Champaign, Illinois

A Division of the Illinois Department of Natural Resources

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Volume 2: Appendices**

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Nani Bhowmik and David Soong
Watershed Science Section

Illinois State Water Survey
2204 Griffith Drive
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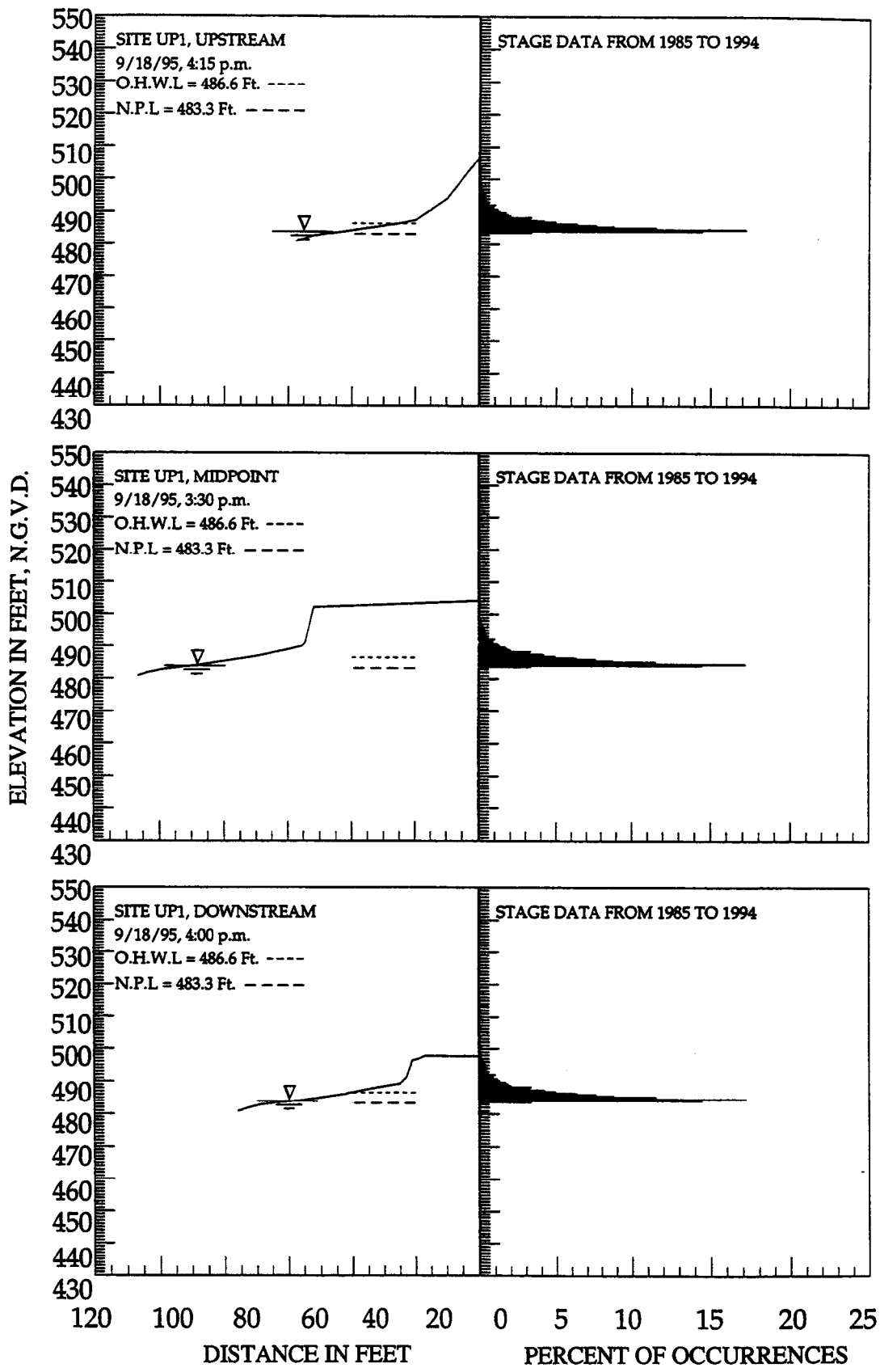
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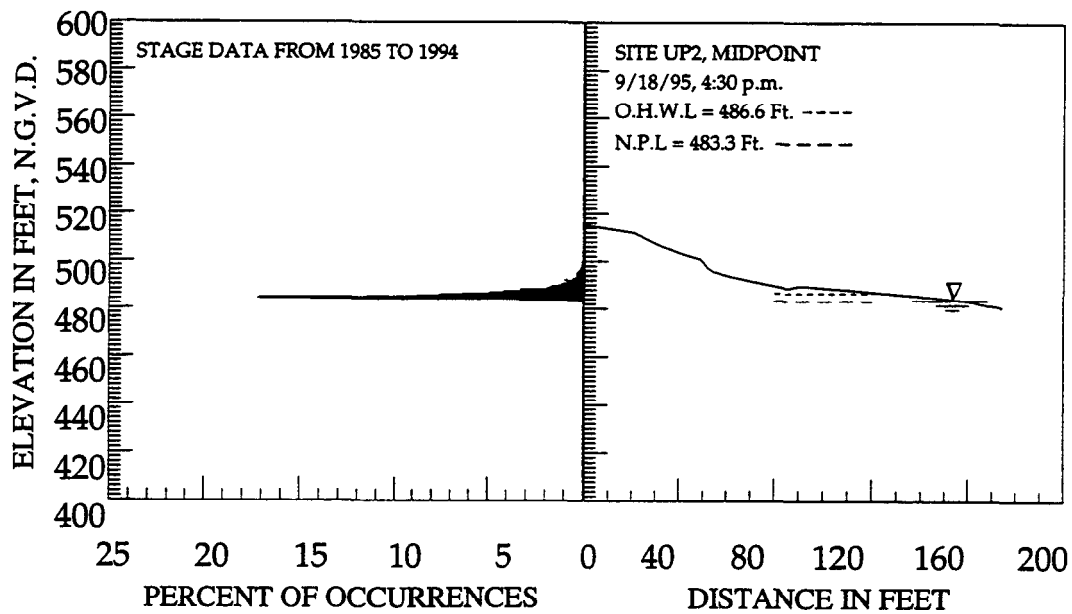
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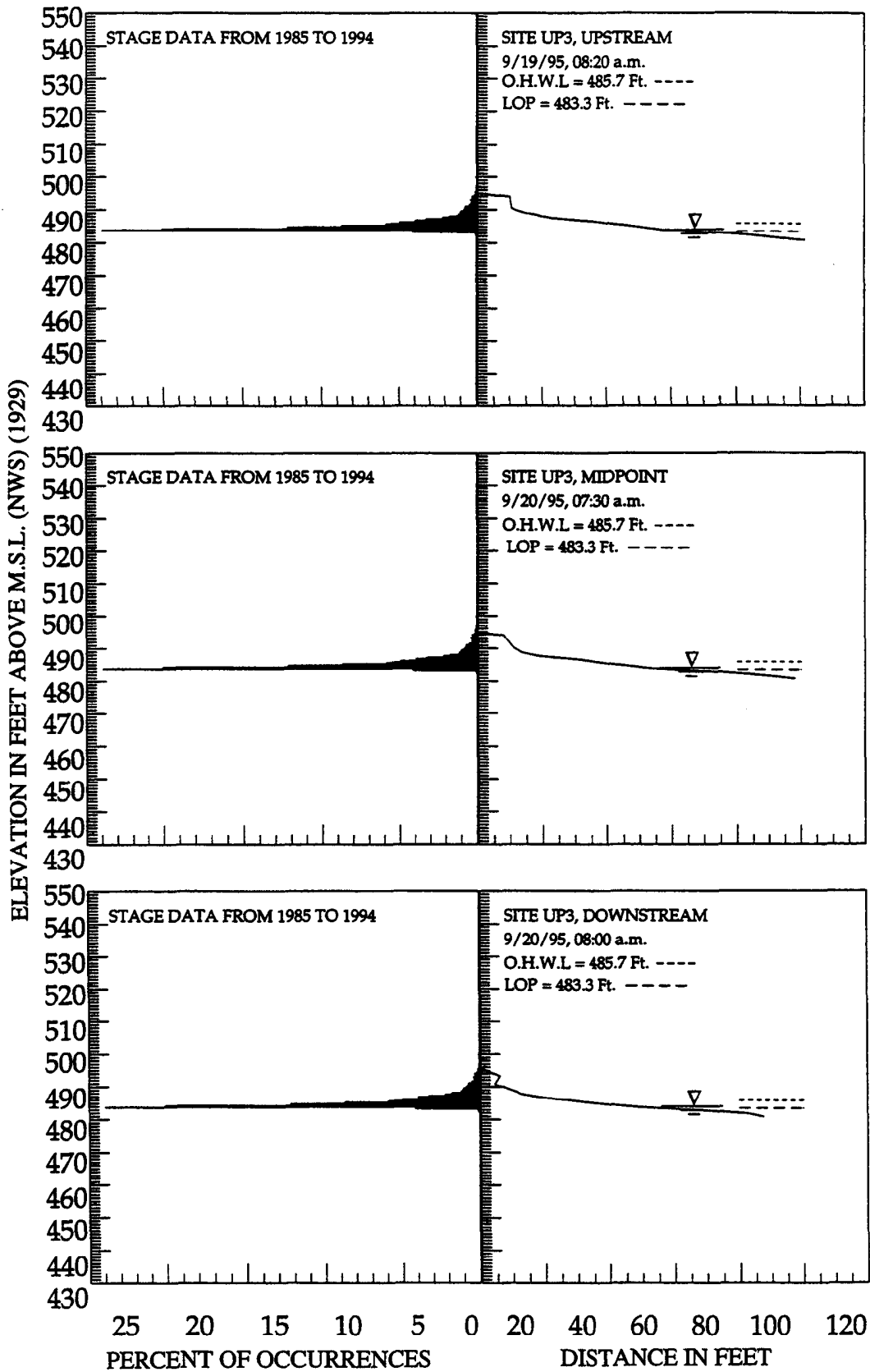
**Appendix A. Stage Histograms and Bank Profiles
for the Erosion Sites Along the Illinois River**



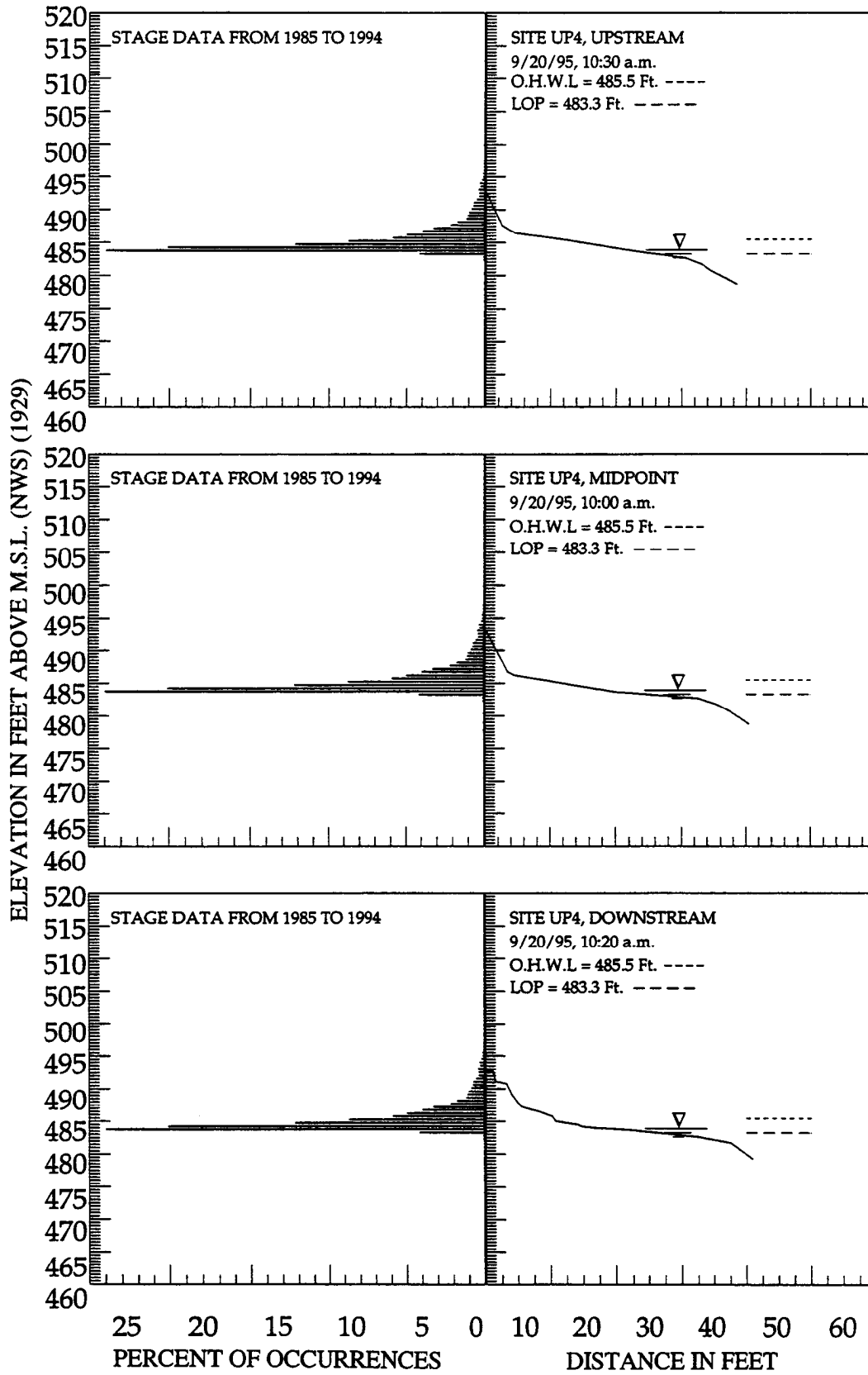
BANK SECTION AT SITE UP1 IN MARSEILLES POOL OF THE ILLINOIS RIVER; RM 270.3, RDB
 STAGE HISTOGRAM AT TAIL GAGE OF DRESDEN ISLAND POOL, RM 271.5



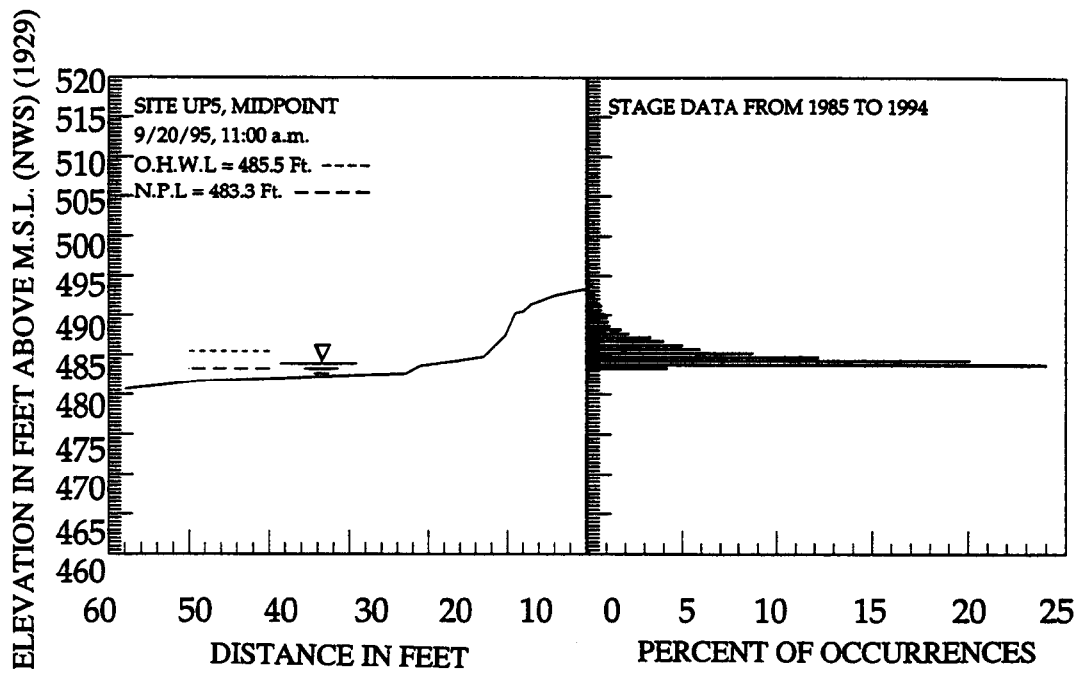
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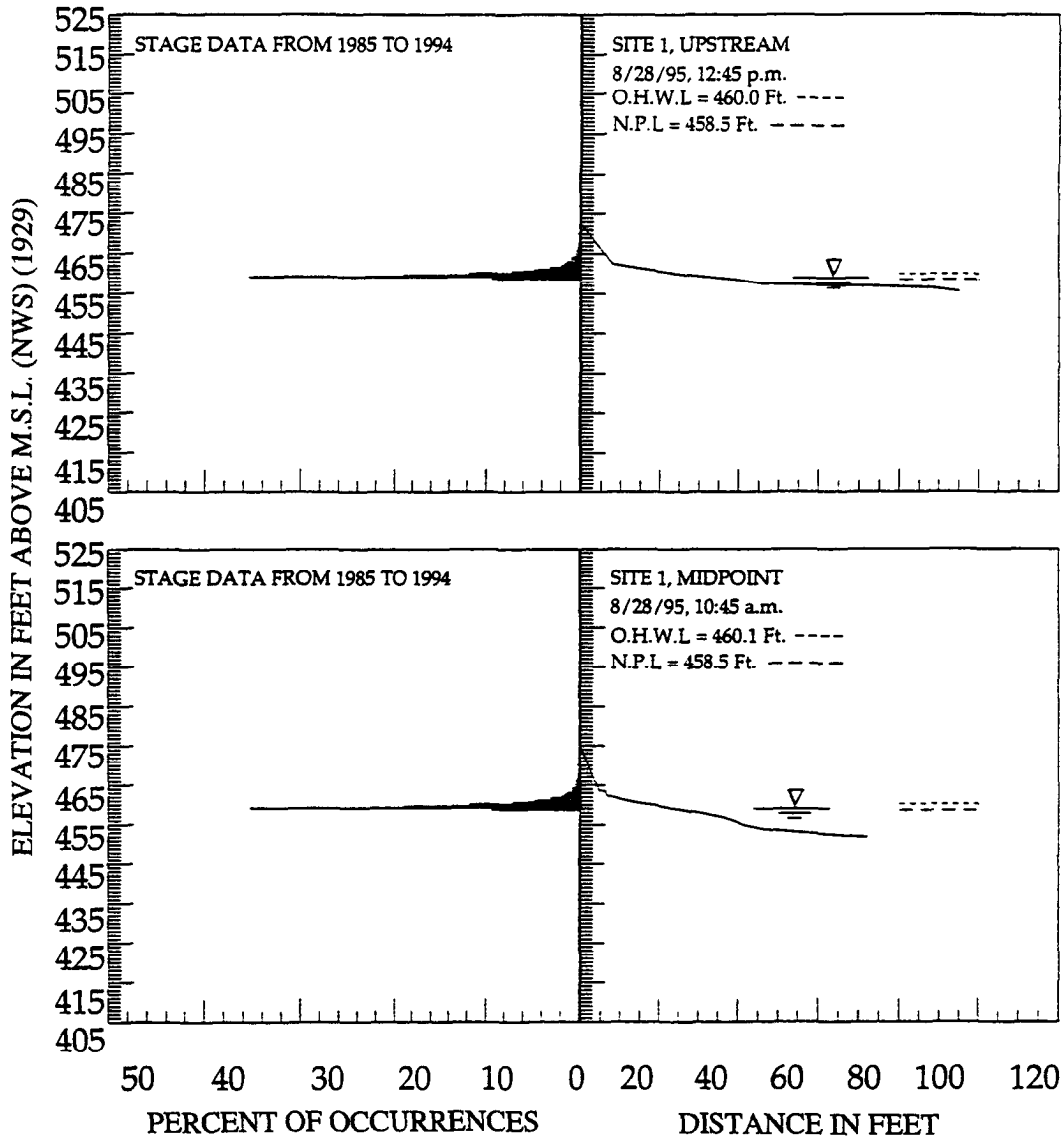
BANK SECTION AT SITE UP3 IN MARSEILLES POOL OF THE ILLINOIS RIVER; RM 264.3, LDB
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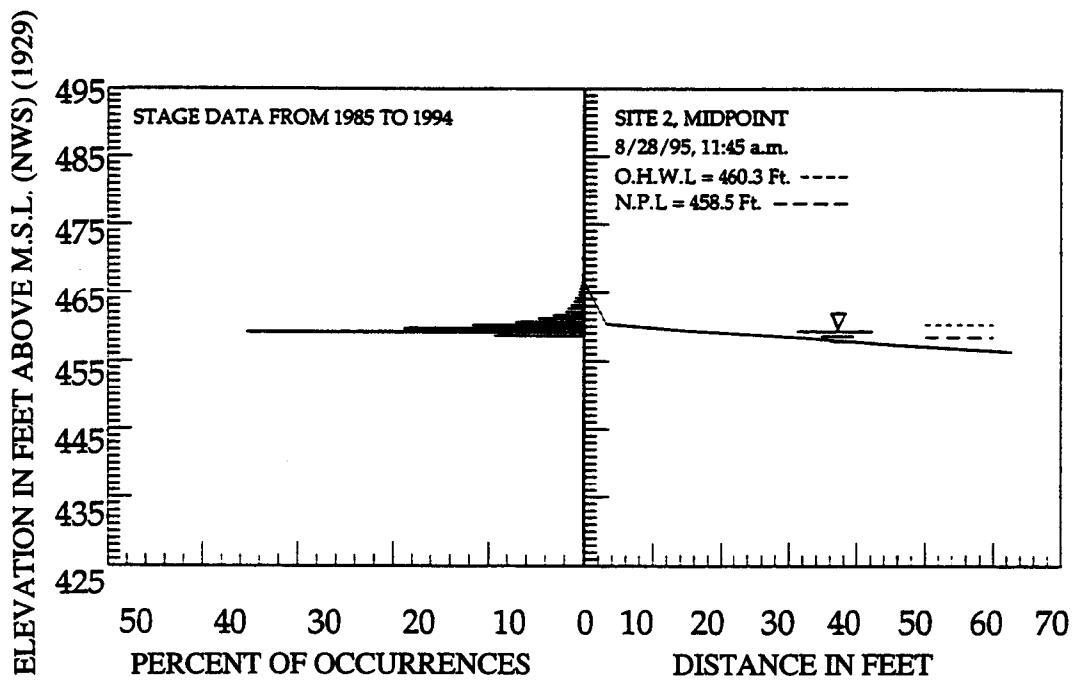
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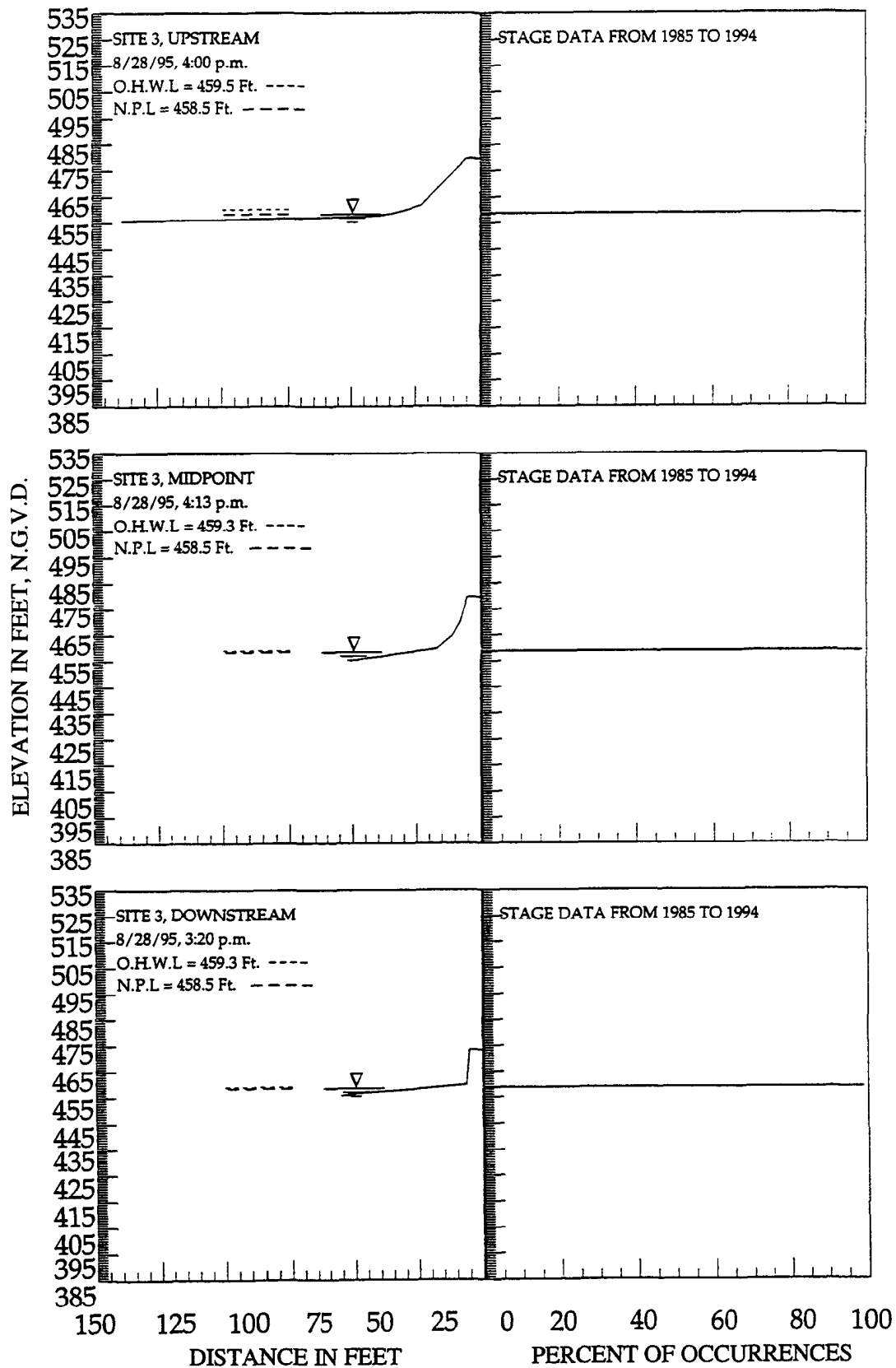
**BANK SECTION AT SITE UP5 IN MARSEILLES POOL OF THE ILLINOIS RIVER; RM 262.1, RDB
 STAGE HISTOGRAM FROM GAGE AT IL RIVER NEAR MORRIS, IL; RM 263.1**



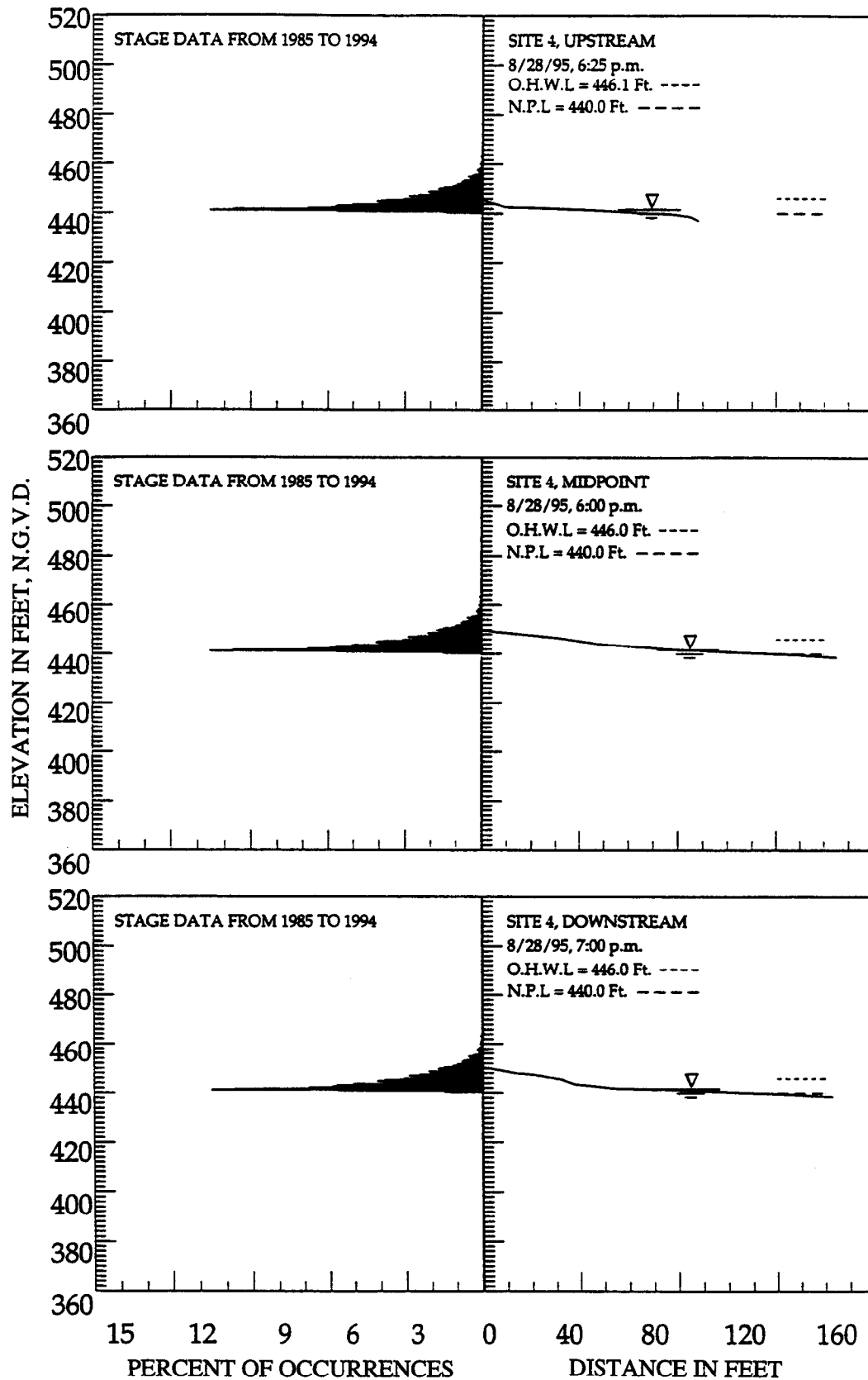
**BANK SECTION AT SITE 1 IN STARVED ROCK POOL OF THE ILLINOIS RIVER; RM 242.8, LDB
 STAGE HISTOGRAM AT TAILWATER GAGE OF MARSEILLES POOL, RM 244.6**



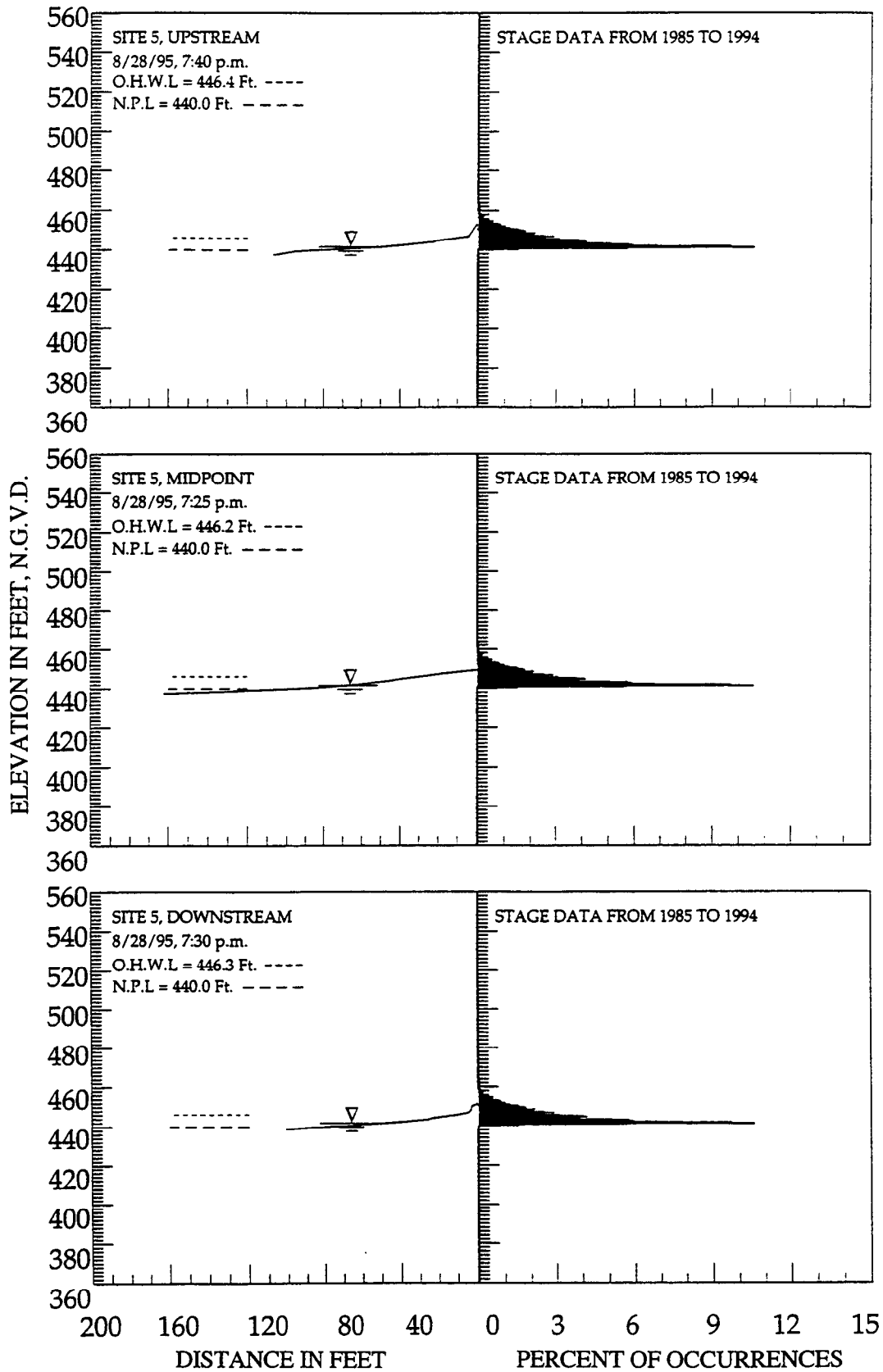
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 STAGE HISTOGRAM AT TAILWATER GAGE OF MARSEILLES POOL, RM 244.6



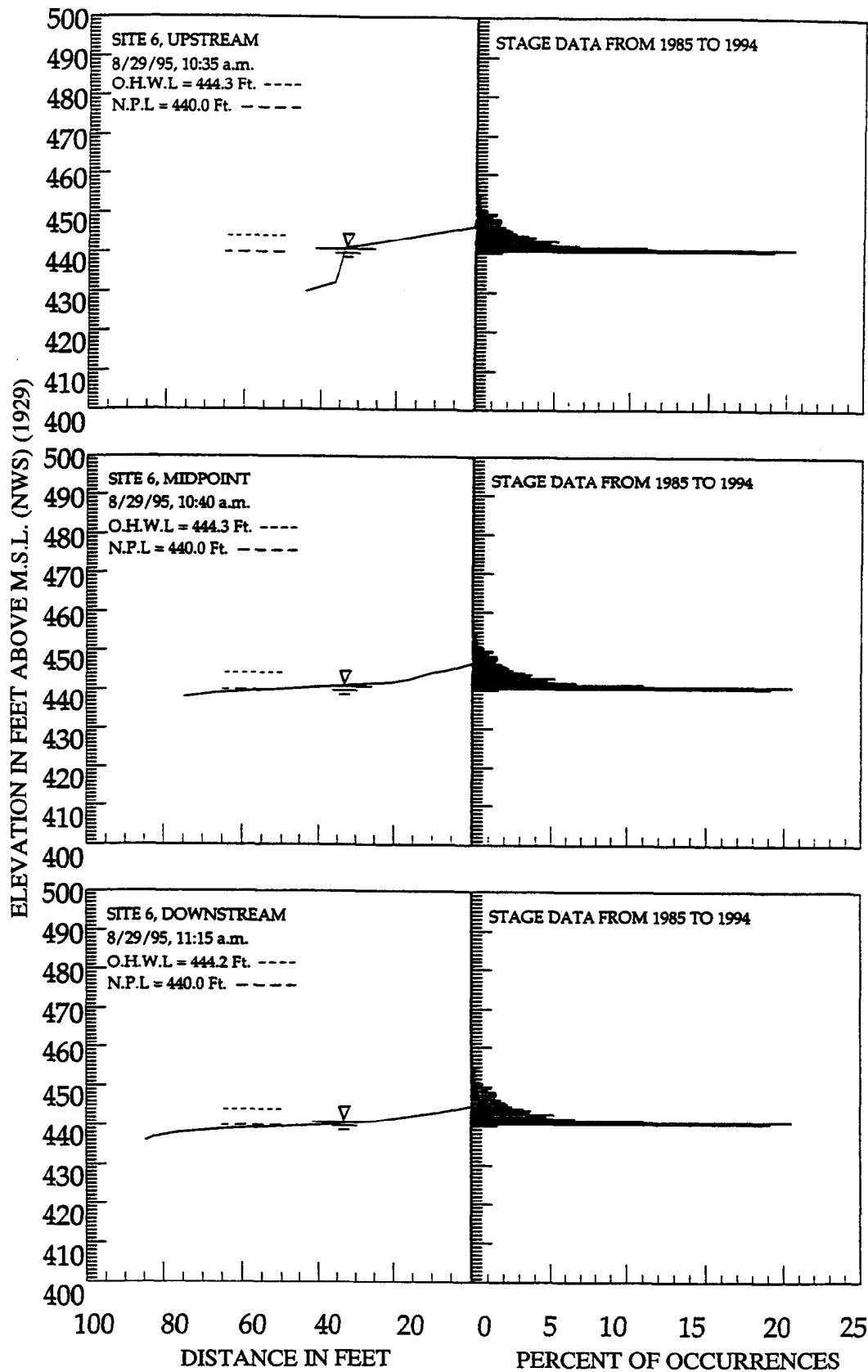
BANK SECTION AT SITE 3 IN STARVED ROCK POOL OF THE ILLINOIS RIVER; RM 235.7, RDB
 STAGE HISTOGRAM AT POOL GAGE OF STARVED ROCK POOL, RM 231.0



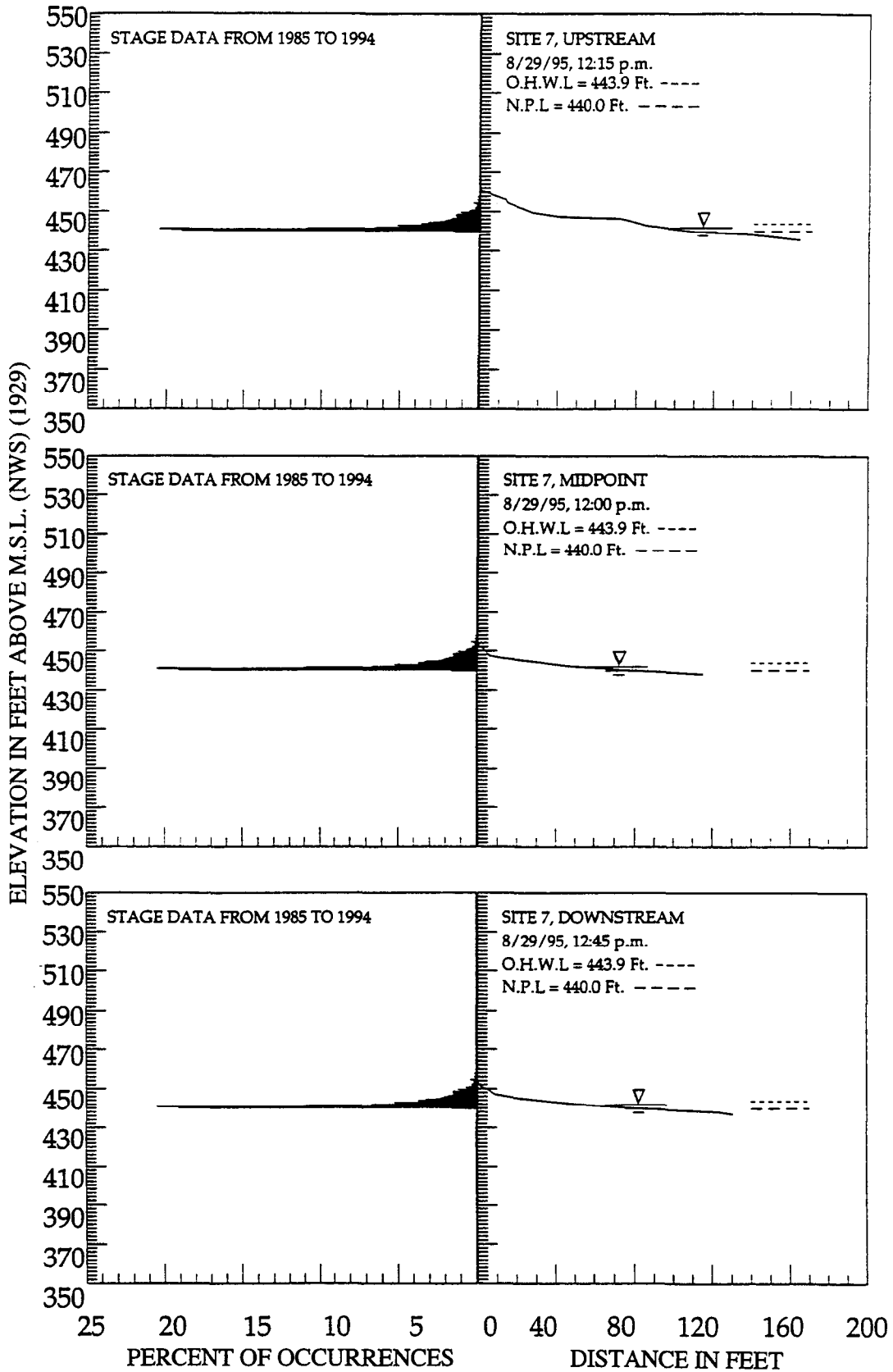
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 STAGE HISTOGRAM AT TAILWATER GAGE OF STARVED ROCK POOL, RM 231.0



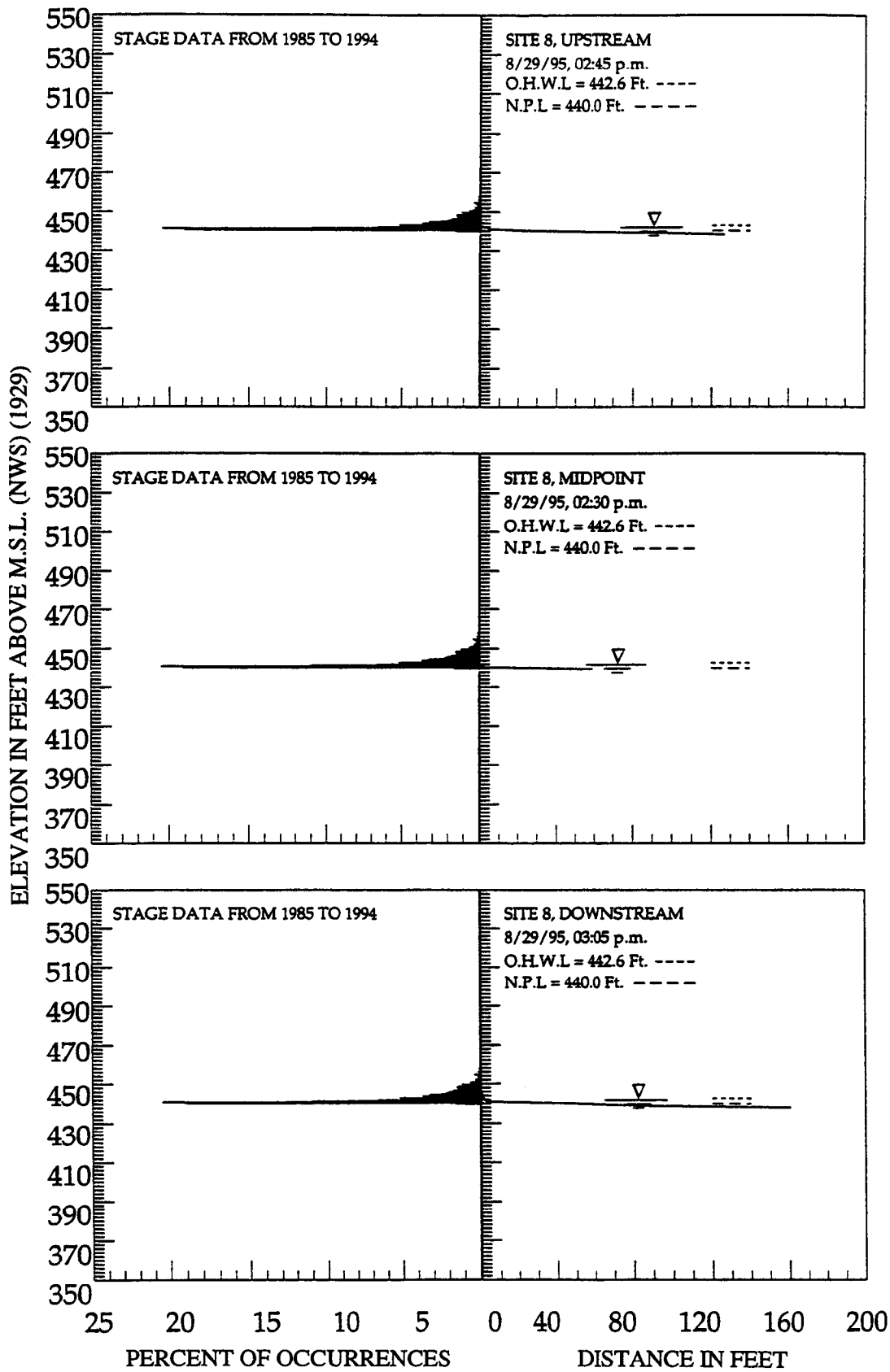
BANK SECTION AT SITE 5 IN PEORIA POOL OF THE ILLINOIS RIVER; RM 228.5, RDB
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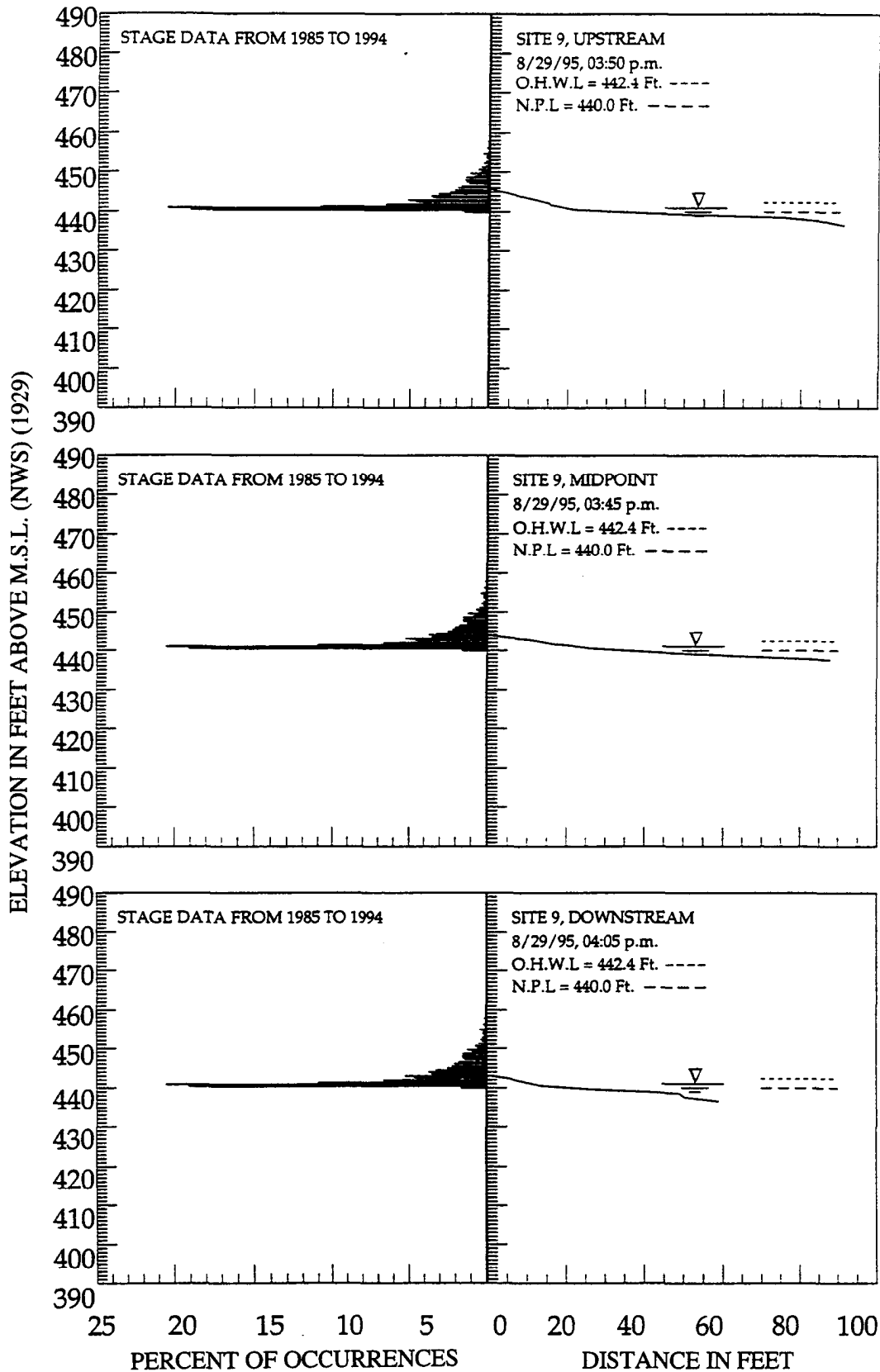
BANK SECTION AT SITE 6 IN PEORIA POOL OF THE ILLINOIS RIVER; RM 210.0, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER NEAR HENRY, IL; RM 196.0



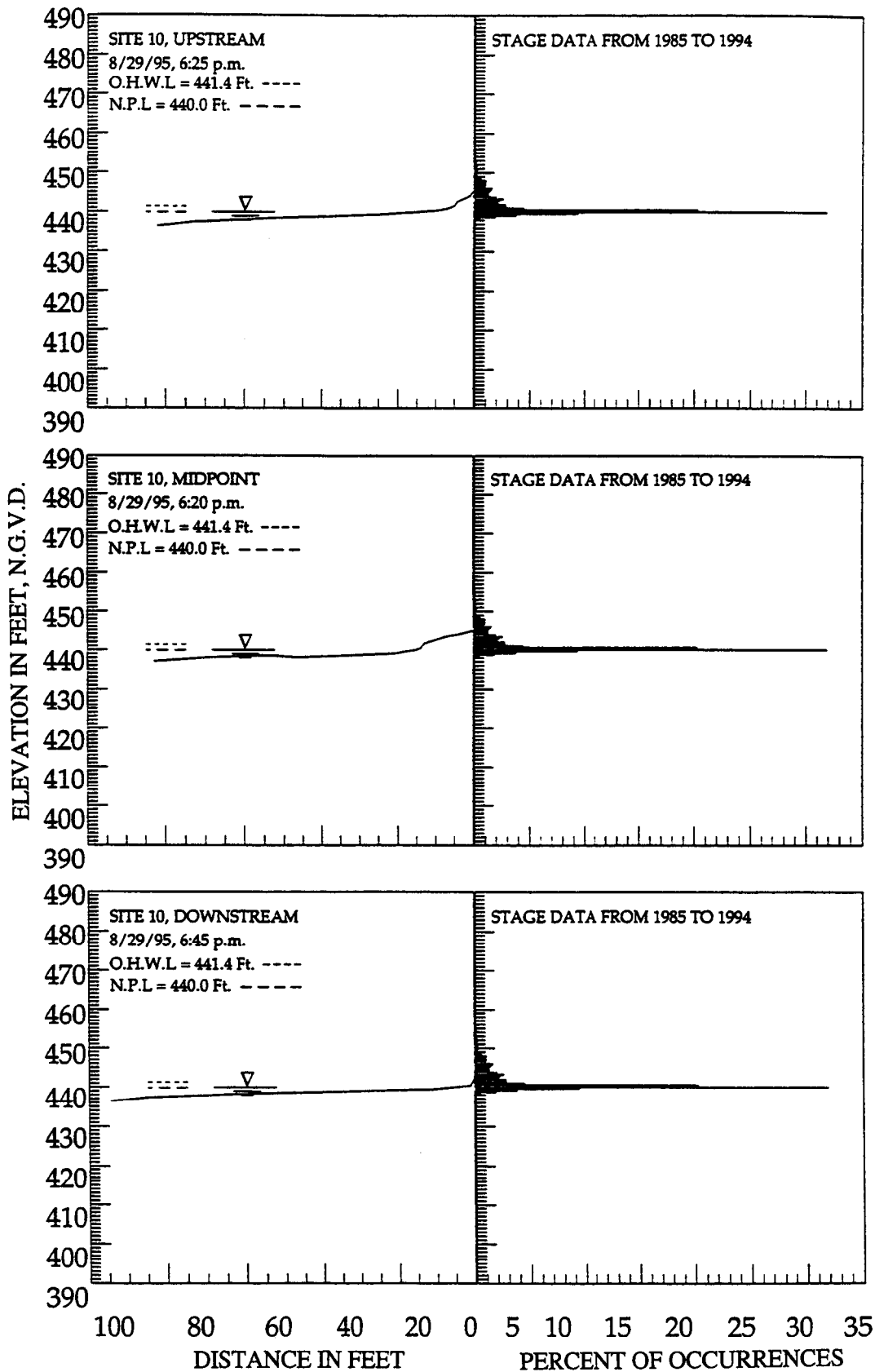
BANK SECTION AT SITE 7 IN PEORIA POOL OF THE ILLINOIS RIVER; RM 203.8, LDB
STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER NEAR HENRY, IL; RM 196.0



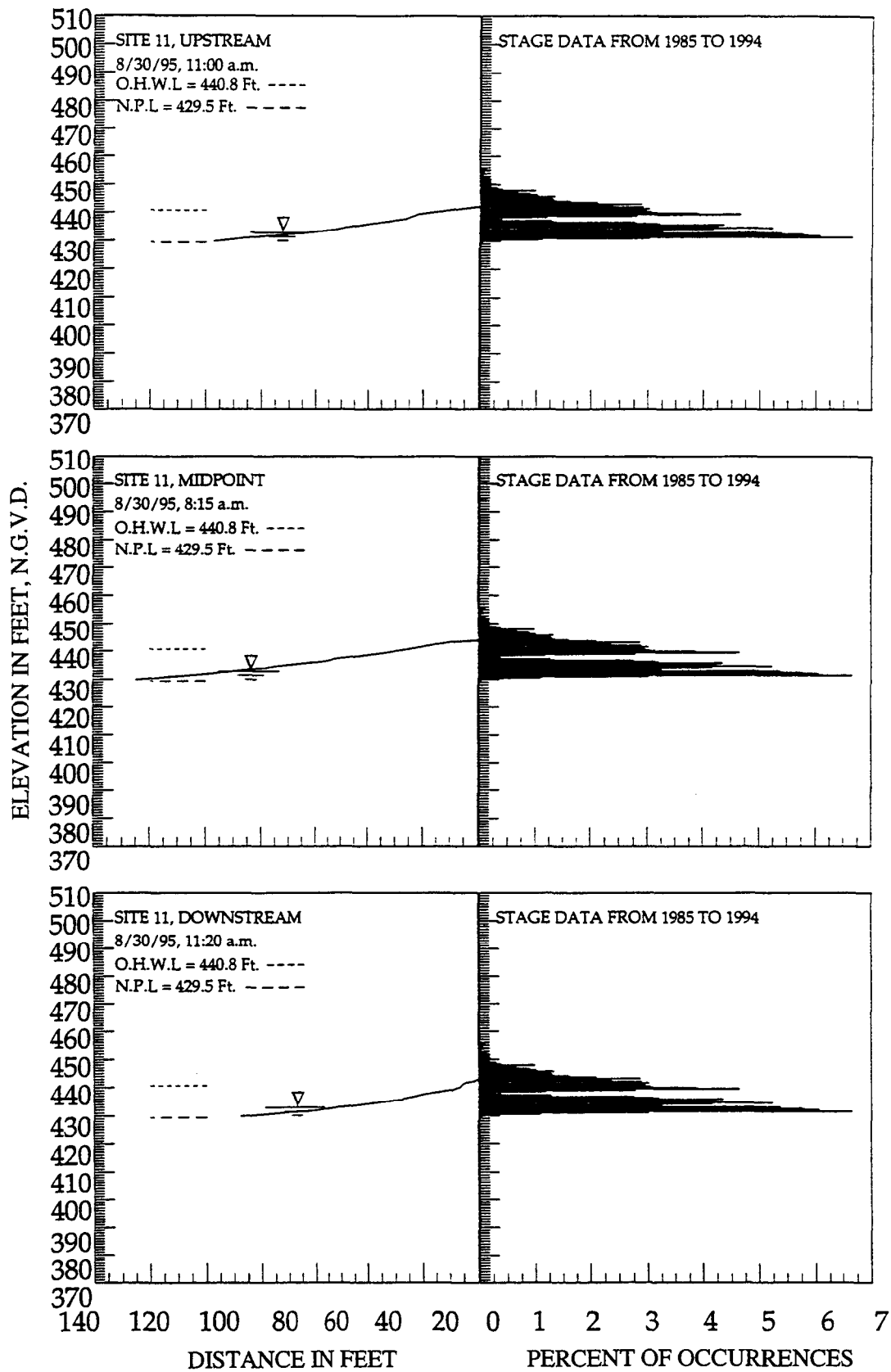
BANK SECTION AT SITE 8 IN PEORIA POOL OF THE ILLINOIS RIVER; RM 184.8, LDB
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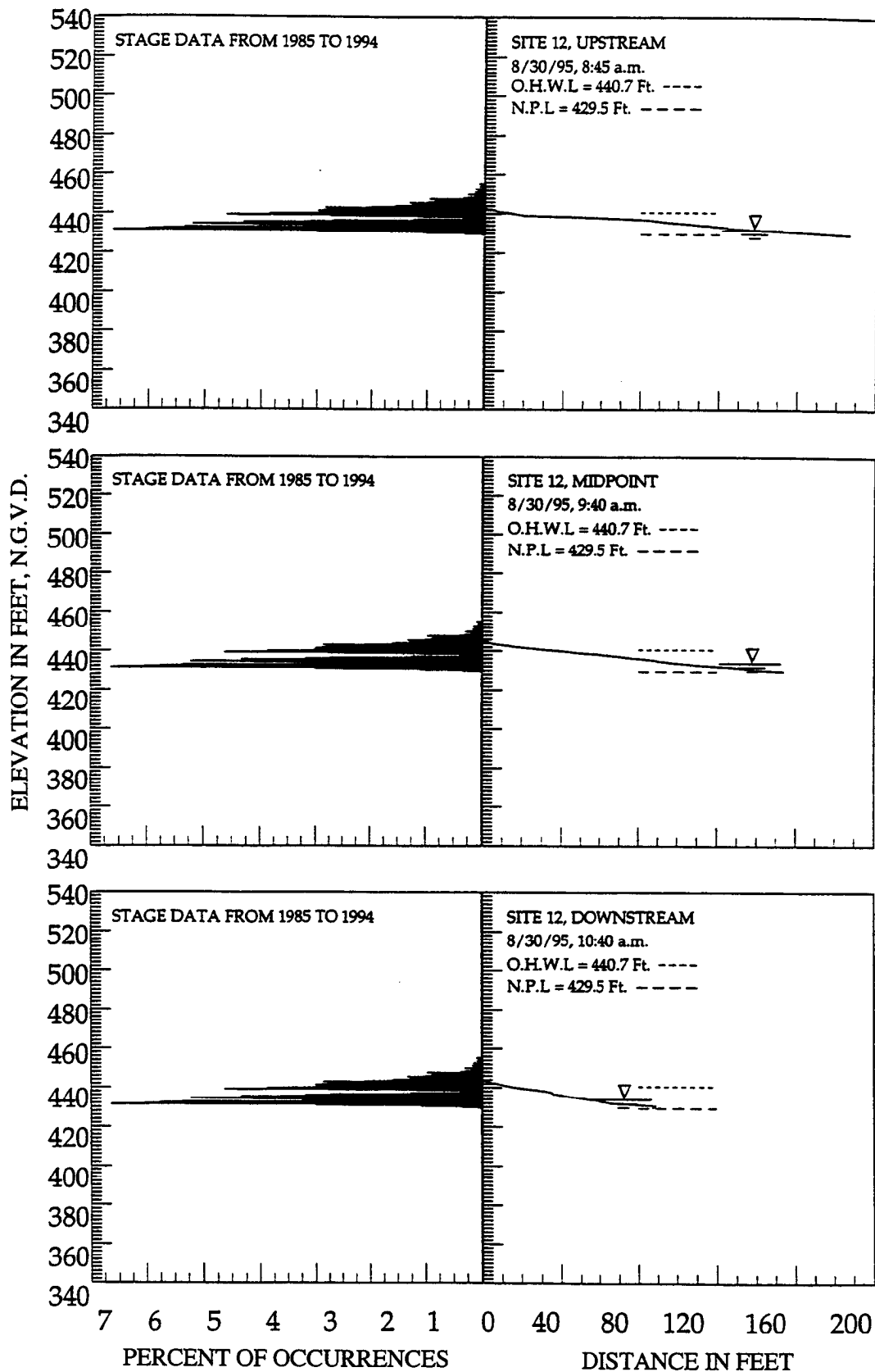
**BANK SECTION AT SITE 9 IN PEORIA POOL OF THE ILLINOIS RIVER; RM 179.8, LDB
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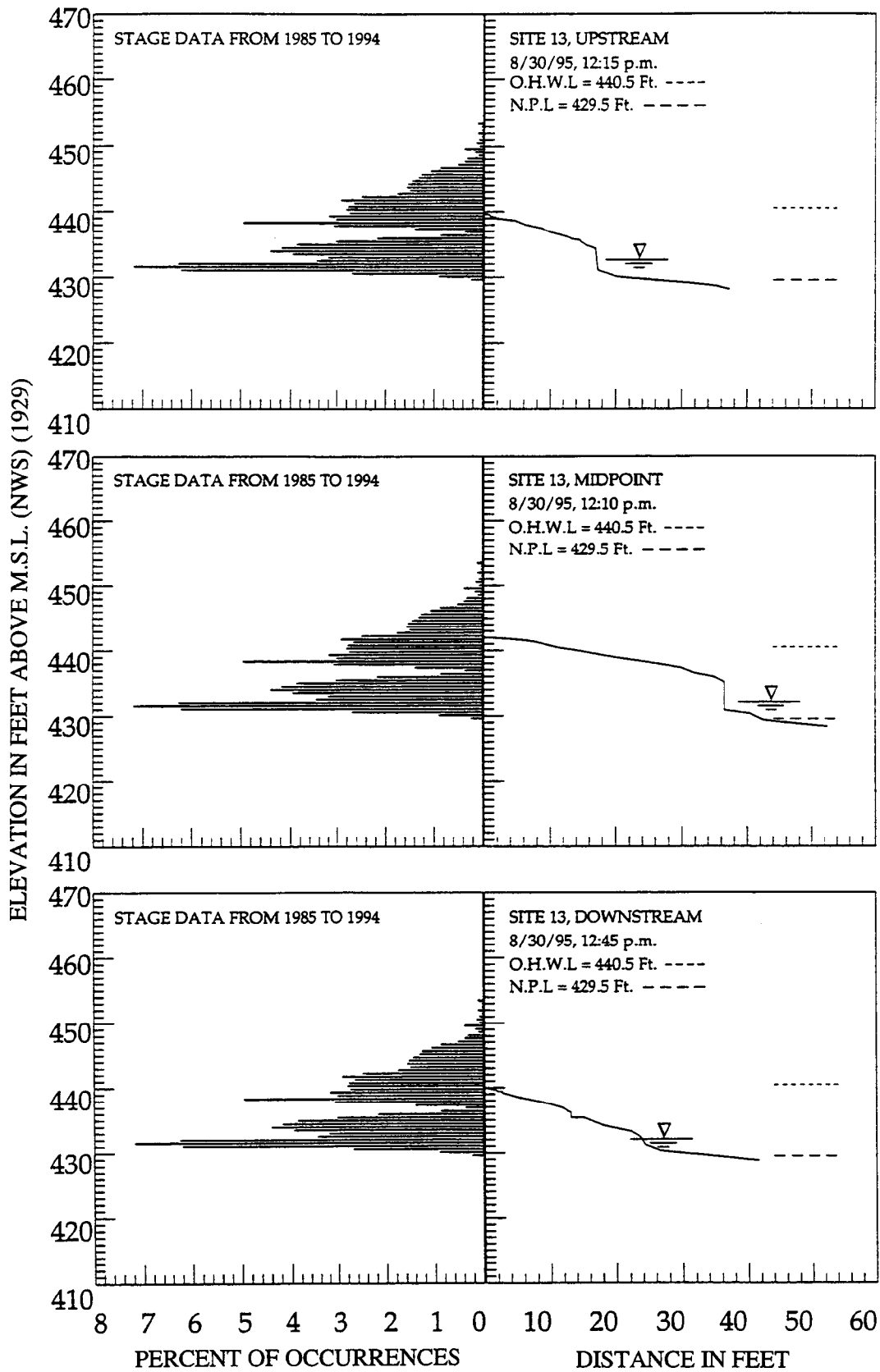
BANK SECTION: AT SITE 10 IN PEORIA POOL OF THE ILLINOIS RIVER; RM 160.0, RDB
 STAGE HISTOGRAM AT POOL GAGE OF PEORIA POOL, RM 157.7



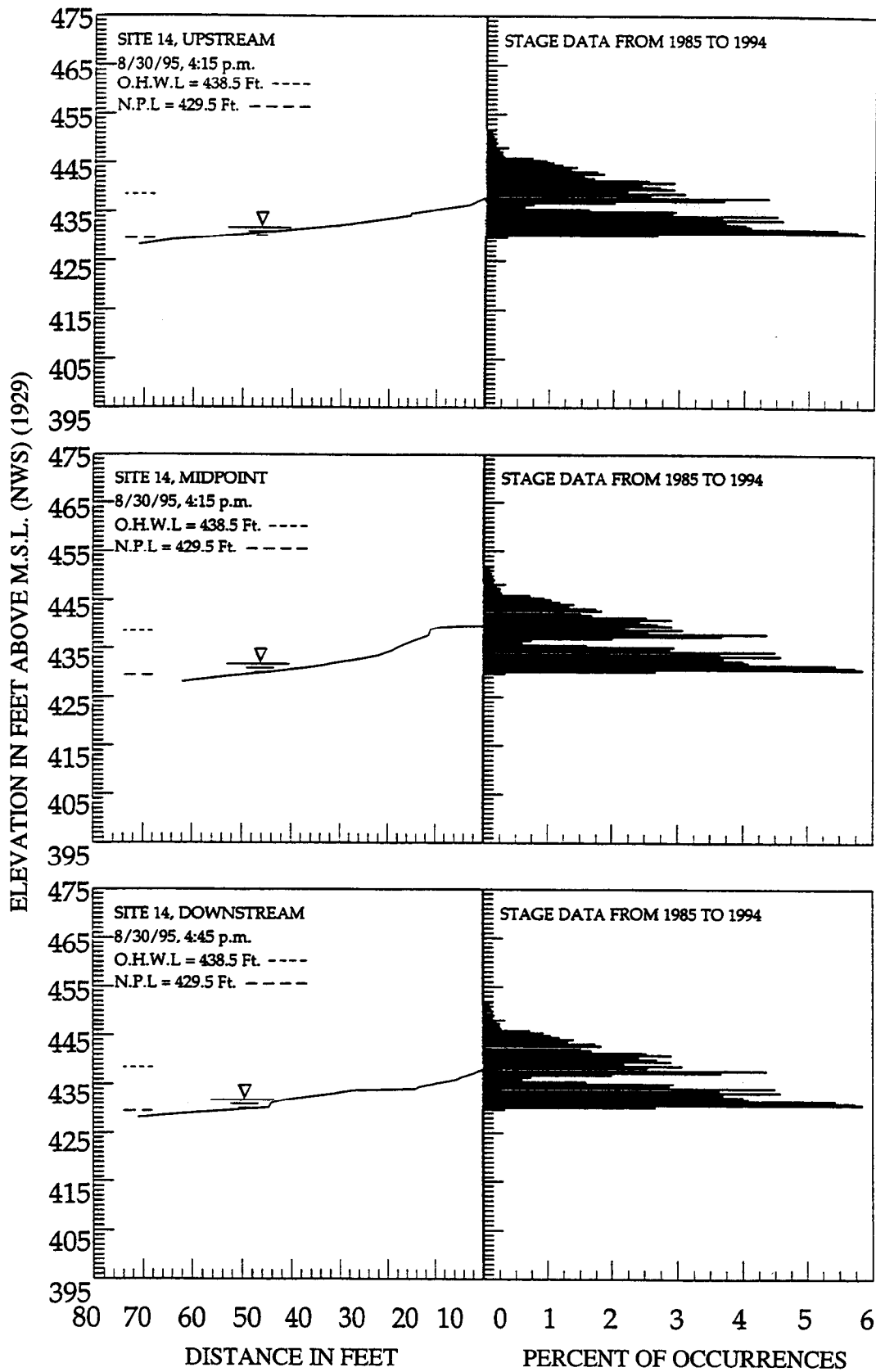
BANK SECTION AT SITE 11 IN LAGRANGE POOL OF THE ILLINOIS RIVER; RM 155.3, RDB
 STAGE HISTOGRAM AT TAILWATER GAGE OF PEORIA POOL, RM 157.7



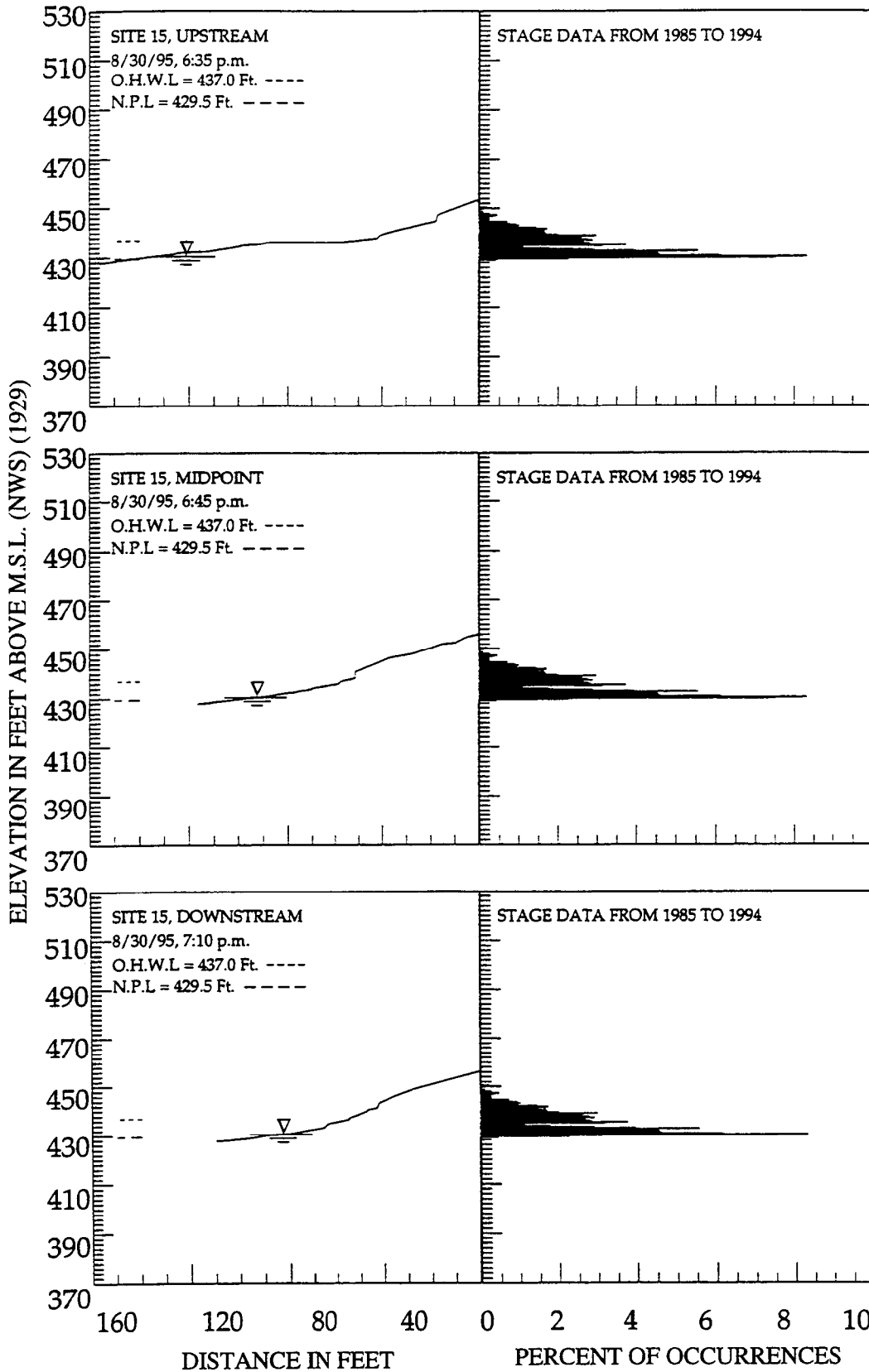
BANK SECTION AT SITE 12 IN LAGRANGE POOL OF THE ILLINOIS RIVER; RM 154.4, LDB
 STAGE HISTOGRAM AT TAILWATER GAGE OF PEORIA POOL, RM 157.7



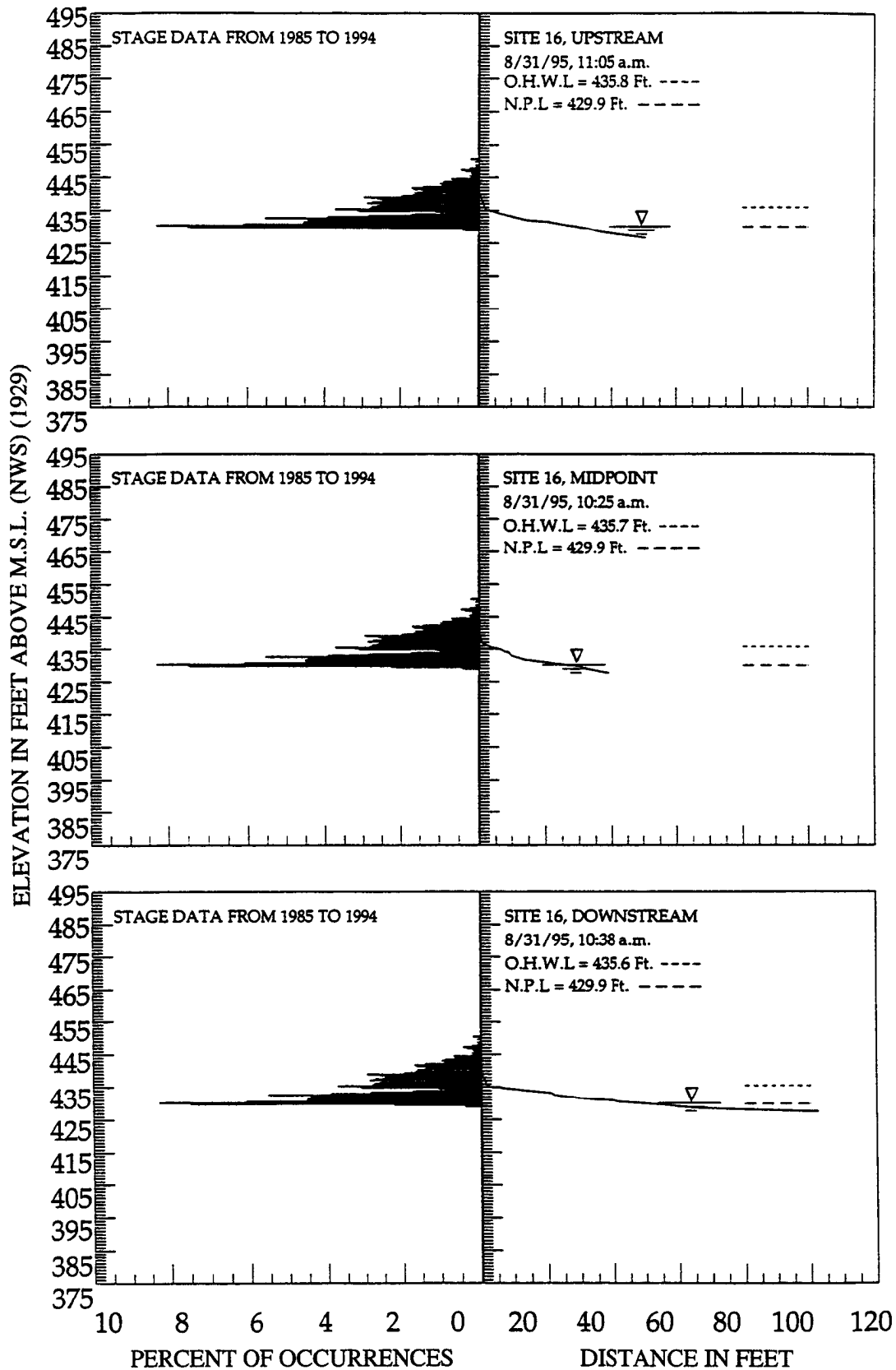
BANK SECTION AT SITE 13 IN LAGRANGE POOL OF THE ILLINOIS RIVER; RM 150.5, LDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER NEAR KINGSTON MINES, IL; RM 145.4



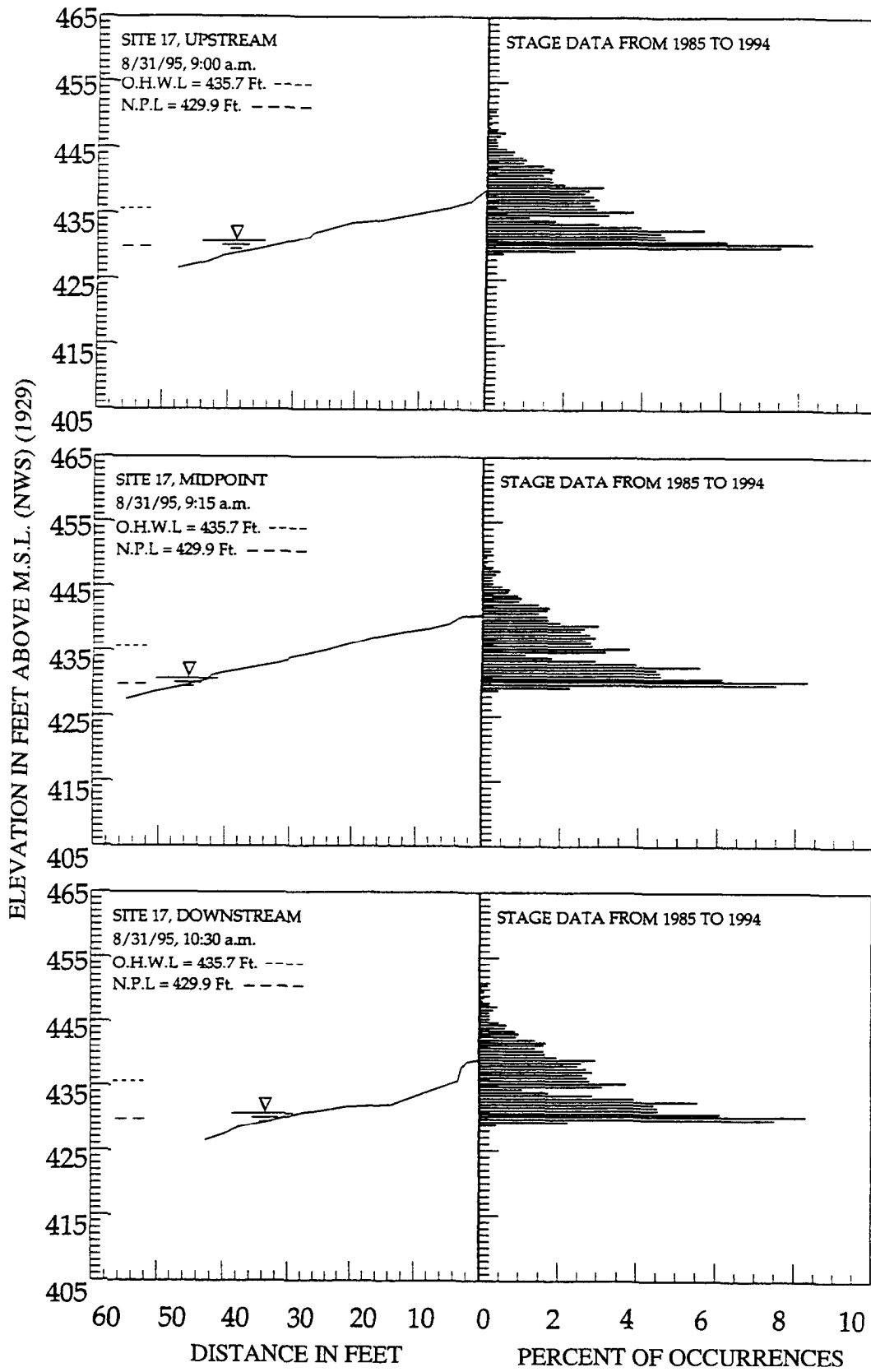
BANK SECTION AT SITE 14 IN LAGRANGE POOL, OF THE ILLINOIS RIVER; RM 125.3, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER NEAR COPPERAS CREEK,IL; RM 139.9



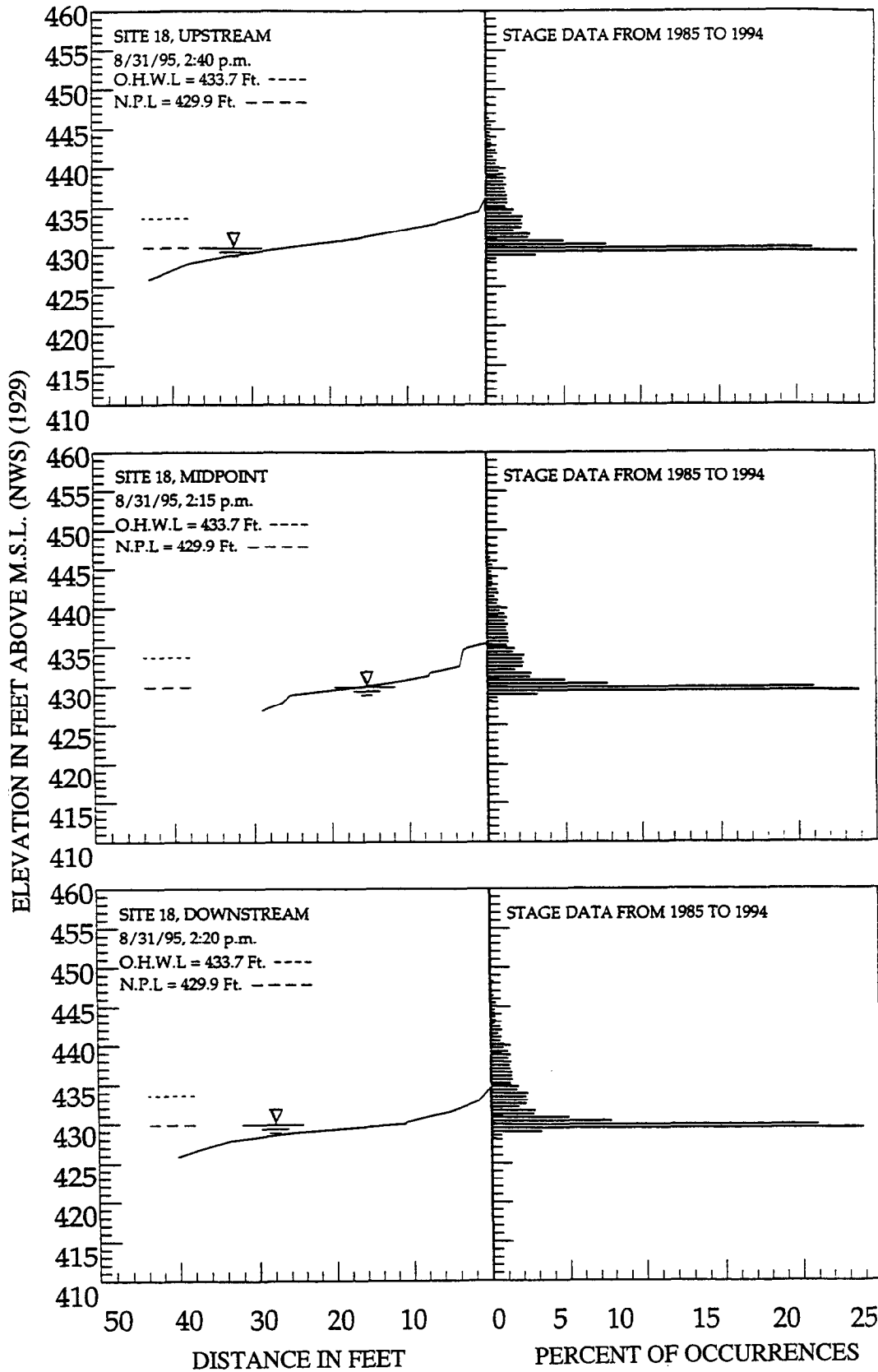
BANK SECTION AT SITE 15 IN LAGRANGE POOL OF THE ILLINOIS RIVER; RM 116.5, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER NEAR HAVANA, IL; RM 119.6



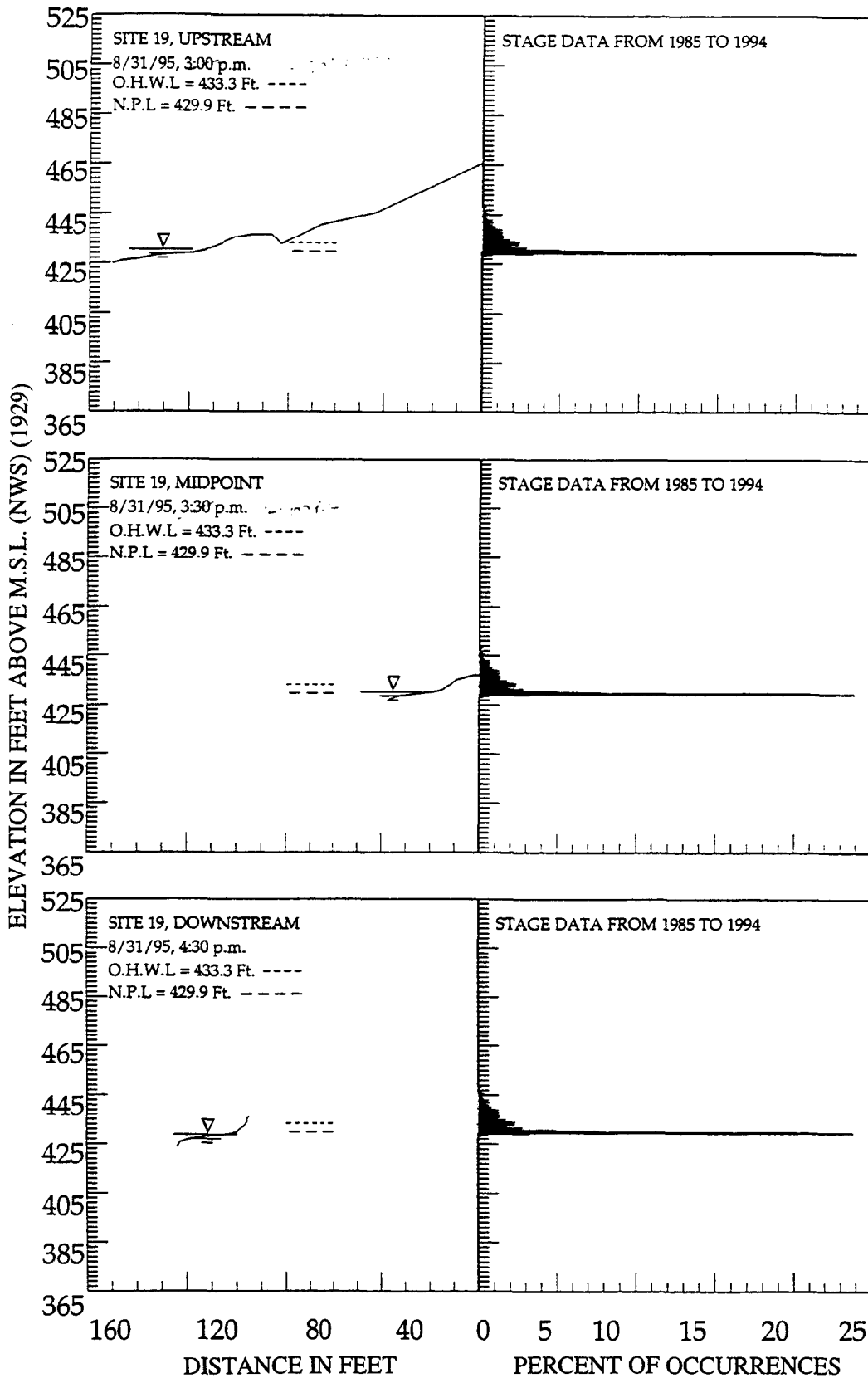
BANK SECTION AT SITE 16 IN LAGRANGE POOL OF THE ILLINOIS RIVER; RM 109.5, LDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER NEAR HAVANA, IL; RM 119.6



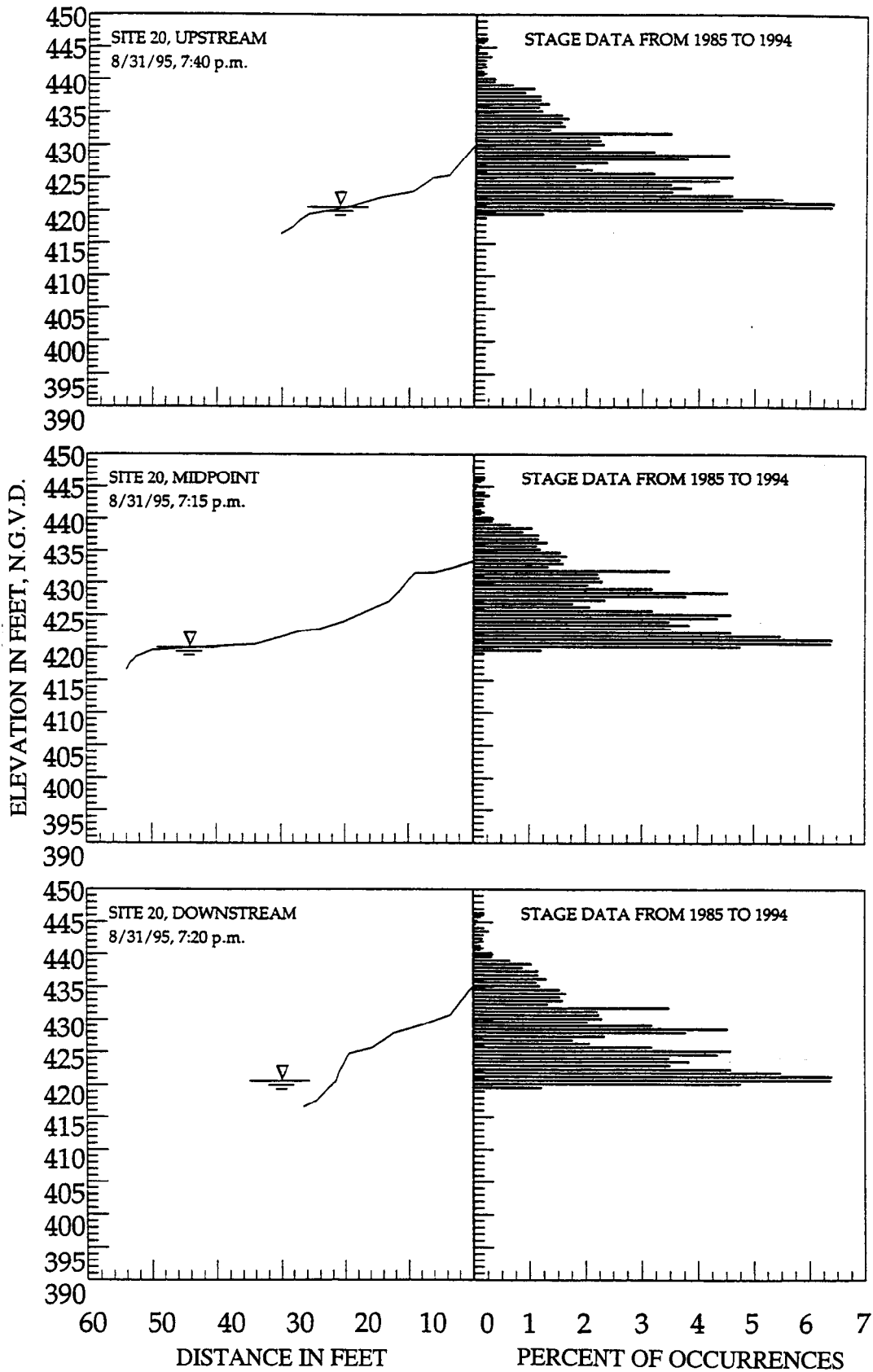
**BANK SECTION AT SITE 17 IN LAGRANGE POOL OF THE ILLINOIS RIVER; RM 109.5, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER NEAR HAVANA ,IL; RM 119.6**



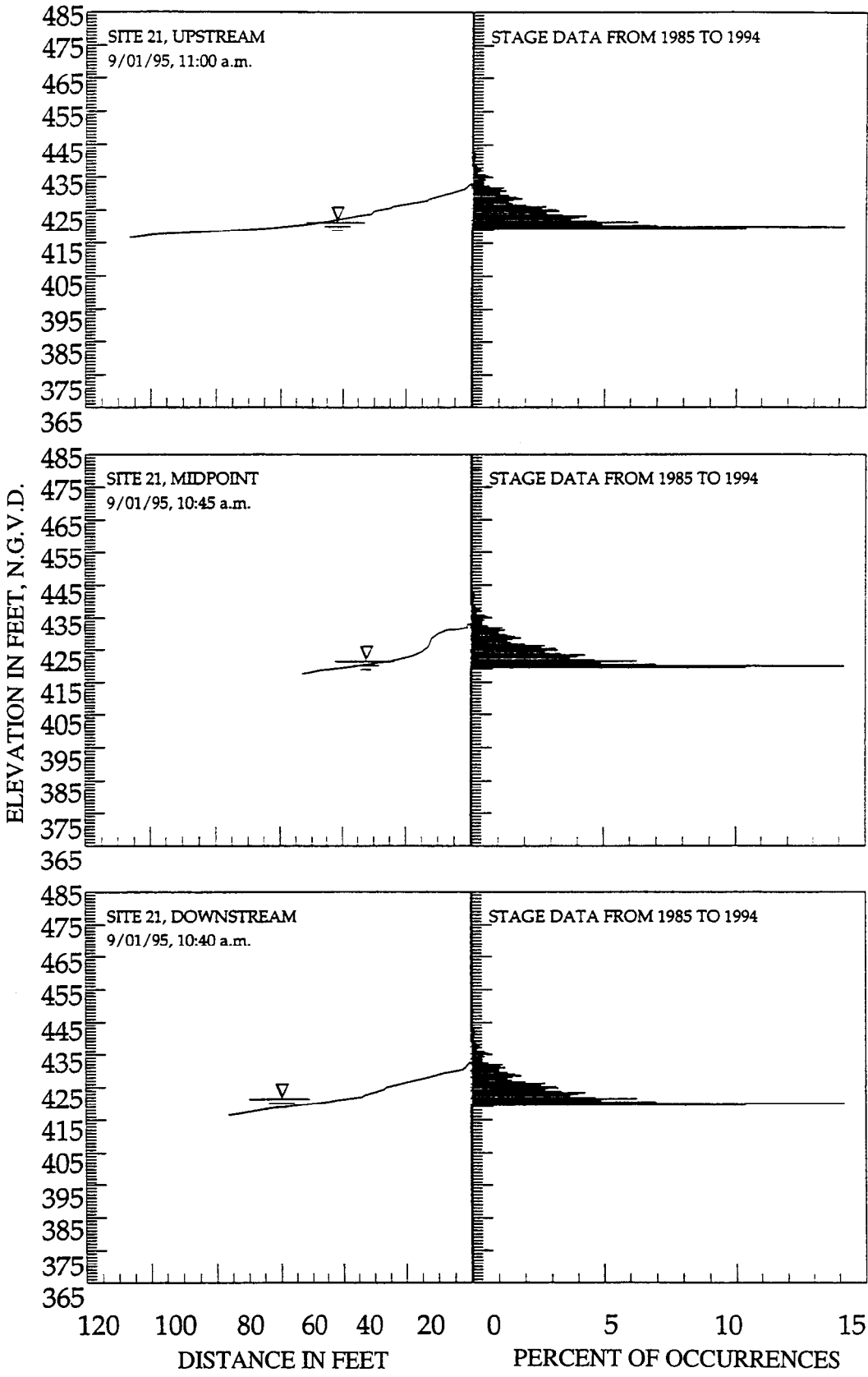
BANK SECTION AT SITE 18 IN LAGRANGE POOL OF THE ILLINOIS RIVER; RM 94.2, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER AT BEARDSTOWN,IL; RM 88.3



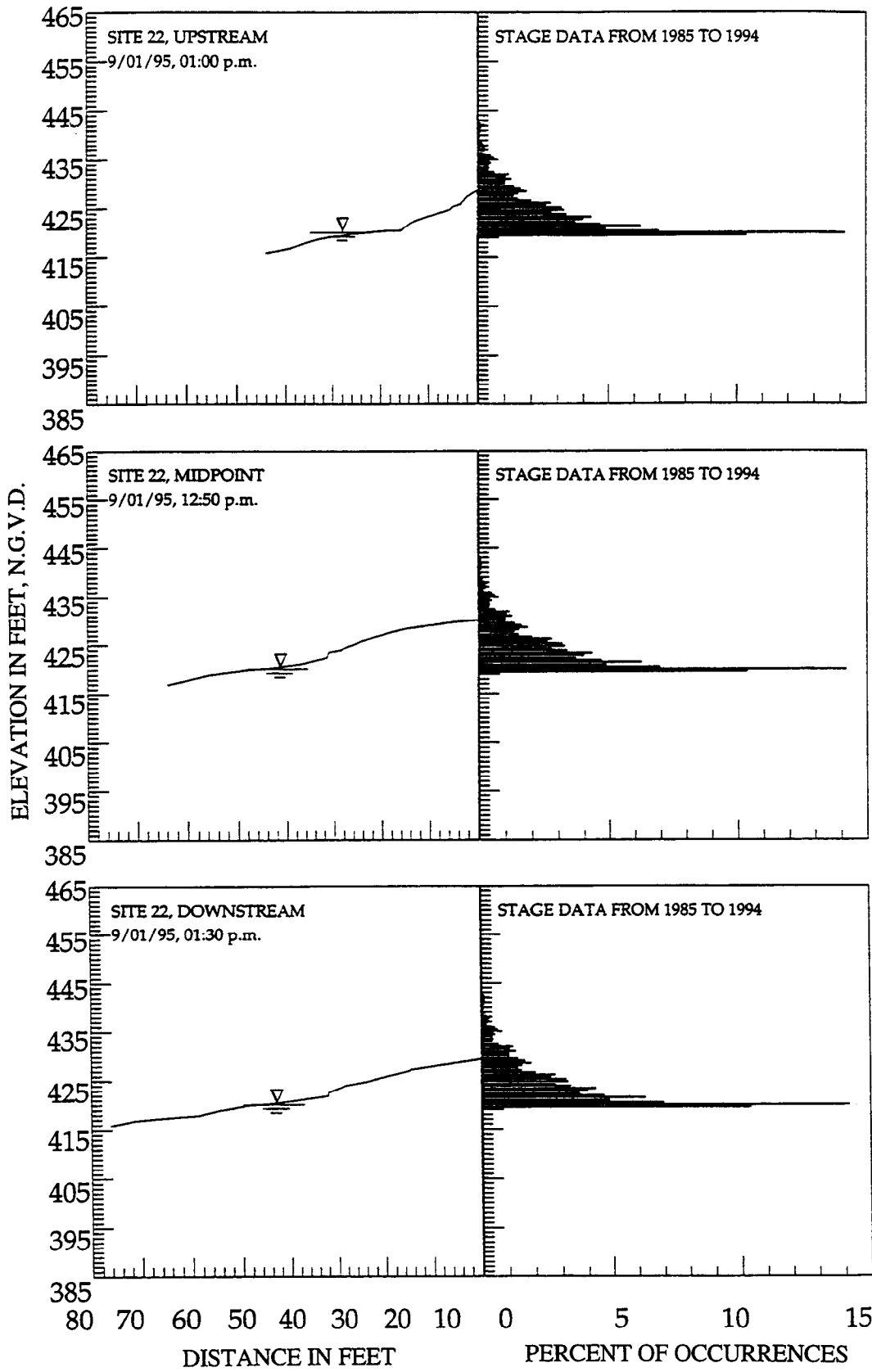
**BANK SECTION SITE 19 IN LAGRANGE POOL OF THE ILLINOIS RIVER; RM 91.2, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER AT BEARDSTOWN,IL; RM 88.3**



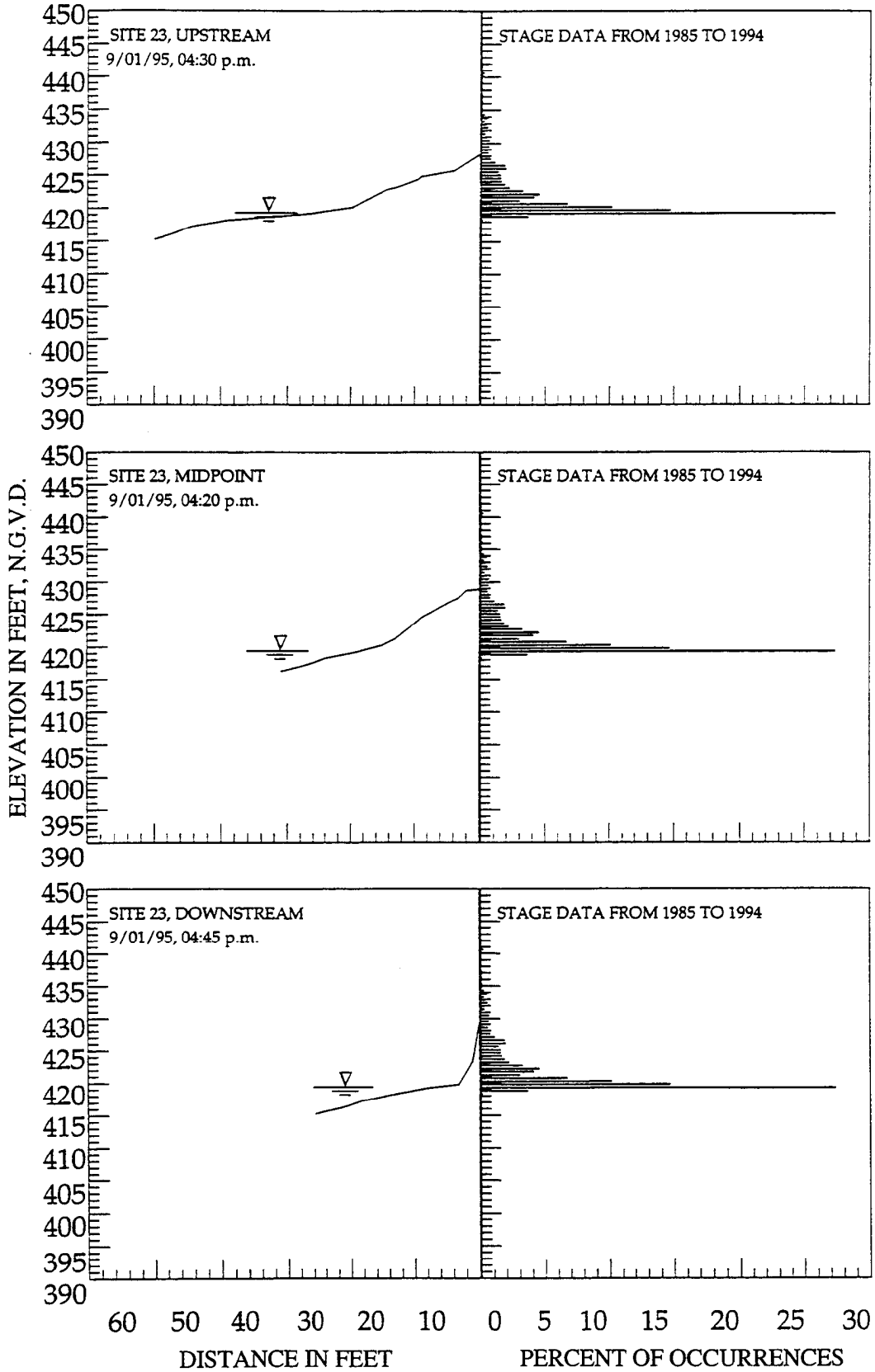
BANK SECTION AT SITE 20 IN ALTON POOL OF THE ILLINOIS RIVER; RM 79.4, RDB
 STAGE HISTOGRAM AT TAILWATER GAGE OF LAGRANGE POOL, RM 80.2



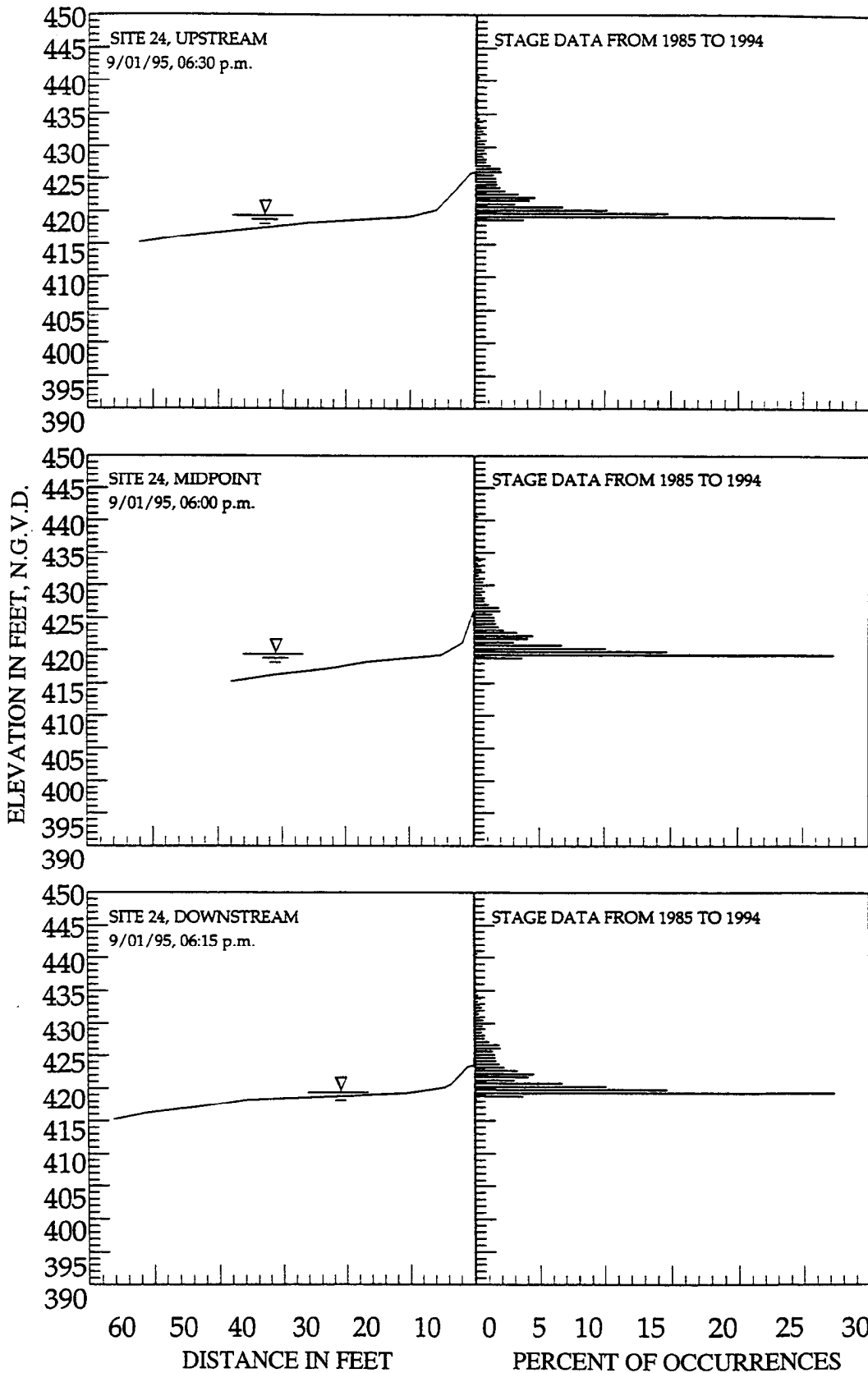
BANK SECTION AT SITE 21 IN ALTON POOL OF THE ILLINOIS RIVER; RM 61.7, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER NEAR VALLEY CITY, IL; RM 61.3



BANK SECTION AT SITE 22 IN ALTON POOL OF THE ILLINOIS RIVER; RM 45.1, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER AT PEART,IL; RM 43.2



BANK SECTION AT SITE 23 IN ALTON POOL OF THE ILLINOIS RIVER; RM 23.4, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER AT HARDIN,IL; RM 21.6



BANK SECTION AT SITE 24 IN ALTON POOL OF THE ILLINOIS RIVER; RM 13.0, RDB
 STAGE HISTOGRAM AT GAGE ON ILLINOIS RIVER AT HARDIN, IL; RM 21.6

Appendix B. Particle Size Distribution on the Illinois River

<i>River</i>	<i>River Mile</i>	<i>Site</i>	<i>Location</i>	<i>Sample No.</i>	<i>Bnkprf</i>	<i>Pool No.</i>	<i>Specific Site</i>
ILWW	279.5	observation	RDB	236		Marseilles	back side T' Reat's Island right side back channel
ILWW	275.5	observation	RDB	235		Marseilles	Will Co. Forest Preserve Island lower bank sample glacial
ILWW	275.5	observation	RDB	234		Marseilles	Will Co. Forest Preserve Island lower bank sample glacial
ILWW	270.3	UP2	LDB	218	mp	Marseilles	sample 1, bench
ILWW	270.3	UP1	RDB	272	up	Marseilles	U1A
ILWW	270.3	UP2	LDB	221	mp	Marseilles	sample 4, top of bank
ILWW	270.3	UP2	LDB	183	up	Marseilles	core 2B, 2' of water
ILWW	270.3	UP2	LDB	226	mp	Marseilles	2' of water, C2A
ILWW	270.3	UP2	LDB	264	mp	Marseilles	berm sample 2 sore large Rock
ILWW	270.3	UP2	LDB	263	mp	Marseilles	sample 3, bank face
ILWW	270.3	UP2	LDB	247	mp	Marseilles	1' of water, C1A
ILWW	270.3	UP1	RDB	230	mp	Marseilles	MIB
ILWW	270.3	UP1	RDB	232	dn	Marseilles	D2A, 2' of water
ILWW	270.3	UP1	RDB	233	dn	Marseilles	D1A, 1' of water
ILWW	270.3	UP1	RDB	268	up	Marseilles	U2B
ILWW	270.3	UP1	RDB	228	mp	Marseilles	#2, bank face
ILWW	270.3	UP1	RDB	219	mp	Marseilles	M2B
ILWW	270.3	UP1	RDB	227	mp	Marseilles	#1 bench 2" surface
ILWW	270.3	UP1	RDB	225	mp	Marseilles	sample 1, bench 2" second layer
ILWW	270.3	UP1	RDB	273	up	Marseilles	UIB
ILWW	270.3	UP1	RDB	269	up	Marseilles	U2A
ILWW	270.3	UP1	RDB	220	mp	Marseilles	M2A
ILWW	270.3	UP1	RDB	224	mp	Marseilles	M1A
ILWW	270.3	UP1	RDB	223	mp	Marseilles	crest, #3
ILWW	270.3	UP2	LDB	222	mp	Marseilles	1' of water C1B
ILWW	269.9	observation	LDB	231		Marseilles	#1, scarp, bank face
ILWW	269.9	observation	LDB	256		Marseilles	#2, scarp

<i>River</i>	<i>River Mile</i>	<i>Site</i>	<i>Location</i>	<i>Sample No.</i>	<i>Bnkprf</i>	<i>Pool No.</i>	<i>Specific Site</i>
ILWW	264.3	UP3	LDB	239	up	Marseilles	core 1B below 0.4' 1' of water
ILWW	264.3	UP3	LDB	240	up	Marseilles	core 1C below 1' of tube sampler
ILWW	264.3	UP3	LDB	244	up	Marseilles	core 1A 0.4' top of tube 1' of water
ILWW	264.3	UP3	LDB	248	dn	Marseilles	core 1B 0.4' below surface 1' of water
ILWW	264.3	UP3	LDB	250	dn	Marseilles	core 1A 0.4' from top 1' of water
ILWW	264.3	UP3	LDB	229	dn	Marseilles	profile core 2B 2' of water
ILWW	264.3	UP3	LDB	257	dn	Marseilles	2' of water core 2A 0.4' of top
ILWW	264.3	UP3	LDB	265	mp	Marseilles	below 0.4 core 1B 1' of water imp
ILWW	264.3	UP3	LDB	267	mp	Marseilles	core 1A 0.4 top portion 1' of water
ILWW	264.3	UP3	LDB	275	mp	Marseilles	bench sample 1,2'' below surface imp
ILWW	264.3	UP3	LDB	280	mp	Marseilles	bank sample2
ILWW	264.3	UP3	LDB	271	mp	Marseilles	sample 3, crest
ILWW	264.3	UP3	LDB	270	mp	Marseilles	core 2, 2' of water
ILWW	264.3	UP3	LDB	260	up	Marseilles	core 2B, 2' of water below 1'
ILWW	264.3	UP3	LDB	258	up	Marseilles	core 2A 2' of water top 1'
ILWW	262.1	UP5	RDB	243	mp	Marseilles	2' of water core 2A top 6''
ILWW	262.1	UP4	LDB	278	mp	Marseilles	sample #1, 1.5'' below surface
ILWW	262.1	UP4	LDB	252	mp	Marseilles	core 1 0.4' below from top, 1' of water
ILWW	262.1	UP5	RDB	253	mp	Marseilles	1' of water core 1B, top 0.3-0.6
ILWW	262.1	UP4	LDB	255	mp	Marseilles	core 2B 0.4' below, 2' of water
ILWW	262.1	UP5	RDB	237	mp	Marseilles	2' of water core 2B, below 6''
ILWW	262.1	UP4	LDB	238	mp	Marseilles	core 2A 0.4' top portion, 2' of water
ILWW	264.3	UP3	LDB	244	dn	Marseilles	core 1A 0.4' top of tube, 1' of water
ILWW	262.1	UP4	LDB	242	dn	Marseilles	2' of water, core 2B below 0.4'
ILWW	262.1	UP4	LDB	259	dn	Marseilles	2' of water, core 2A 0.4 top
ILWW	262.1	UP5	RDB	251	mp	Marseilles	core 1C 6'' below 1' of water
ILWW	262.1	UP4	LDB	261	dn	Marseilles	core 1A 0.2 of top portion of water
ILWW	262.1	UP4	LDB	274	mp	Marseilles	sample #3 bench
ILWW	262.1	UP4	LDB	245	up	Marseilles	core 1' of water
ILWW	262.1	UP4	LDB	254	up	Marseilles	core 2A top 0.4, 2' of water

<i>River</i>	<i>River Mile</i>	<i>Site</i>	<i>Location</i>	<i>Sample No.</i>	<i>Bnkprf</i>	<i>Pool No.</i>	<i>Specific Site</i>
ILWW	262.1	UP4	LDB	279	mp	Marseilles	surface sample 3, crest
ILWW	262.1	UP4	LDB	266	mp	Marseilles	sample 2, bank
ILWW	262.1	UP4	LDB	246	up	Marseilles	core 2B below 0.4', 2' of water
ILWW	262.1	UP5	RDB	277	mp	Marseilles	sample #1, bench
ILWW	262.1	UP5	RDB	262	mp	Marseilles	sample #3, crest
ILWW	262.1	UP5	RDB	276	mp	Marseilles	sample #2, bank face
ILWW	154.6	UP5	RDB	249	mp	Marseilles	core 1A 0.3" top, 1' of water
ILWW	154.6	12	LDB	45	up	Le Grange	15' off W.E. 1.8 below ground
ILWW	154.6	12	LDB	47	up	Le Grange	15' off W.E. @ surface
ILWW	243.4	2	LDB	2	mp	Marseilles	sample 3@top
ILWW	243.4	2	LDB	15	mp	Marseilles	31/2 below top bk
ILWW	243.2	2	LDB	20	mp	Marseilles	@ W.E.
ILWW	242.8	1	LDB	21	mp	Marseilles	water edge
ILWW	242.0	1	LDB	23	mp	Marseilles	bench
ILWW	242.8	1	LDB	28	mp	Marseilles	scarp
ILWW	243.8	1	LDB	24	mp	Marseilles	1A sample 2 @ W.E. 0.3' below surface
ILWW	236	reach 3	RDB	17	up	Starved Rock	3' deep.
ILWW	235.8	3	RDB	30	mp	Starved Rock	TR sample 1 midpoint bank material
ILWW	235.8	3	RDB	27	mp	Starved Rock	TR sample 25' below the top midpoint
ILWW	229	5	RDB	14	mp	Peoria	sample @T.O.B. (sediment in piping hole)
ILWW	229	5	RDB	6	mp	Peoria	sample 1' depth
ILWW	229	5	RDB	19	mp	Peoria	sample 4' landwad of W.E.
ILWW	229	5	RDB	13	mp	Peoria	sediment@top
ILWW	228.1	4	LDB	29	up	Peoria	sample 8' landwad of W.E.
ILWW	228.1	4	LDB	26	up	Peoria	sample T.O.B.
ILWW	228.1	4	LDB	22	up	Peoria	sample in 3' depth water
ILWW	228	4	LDB	25	mp	Peoria	sample (edge of grass) midpoint
ILWW	228	4	LDB	8	mp	Peoria	sample 2 (near the top) midpoint

<i>River</i>	<i>River Mile</i>	<i>Site</i>	<i>Location</i>	<i>Sample No.</i>	<i>Bnkprf</i>	<i>Pool No.</i>	<i>Specific Site</i>
ILWW	210.0	6	RDB	10	dn	Peoria	sample failure face (subaqueous)
ILWW	210.0	6	RDB	1	mp	Peoria	sample 3, top bank
ILWW	210.0	6	RDB	11	mp	Peoria	sample 2, bench
ILWW	210.0	6	RDB	12	mp	Peoria	berm
ILWW	203.9	7.	LDB	5	up	Peoria	sample on levee
ILWW	203.9	7	LDB	9	up	Peoria	sample 40' off W.E. in 2.5' water
ILWW	203.9	7	LDB	7	up	Peoria	sample dessicated material 20' on bank sample #3
ILWW	203.5	7	LDB	3	mp	Peoria	sample 2 berm/scarp area
ILWW	203.5	7	LDB	4	mp	Peoria	sample 1, bench
ILWW	184.8	8	LDB	70	mp	Peoria	sample 2, top of bank
ILWW	184.7	8	LDB	66	mp	Peoria	sample in 1 depth = 30' out of W.E.
ILWW	179.8	9	LDB	61	mp	Peoria	sample 2, top of bank
ILWW	179.8	9	LDB	68	mp	Peoria	sample 1, bench
ILWW	160.0	10	RDB	69	dn	Peoria	sample in 2 depth water
ILWW	160.0	10	RDB	58	mp	Peoria	sample 1, upper scarp
ILWW		10	RDB	57	mp	Perlia	sample 3, top of bank
ILWW	160.0	10	RDB	60	mp	Peoria	sample 2, low sharp scarp
ILWW	155.5	11	RDB	54	up	La Grange	upst sample 1N 1' depth
ILWW	155.3	11	RDB	64	mp	La Grange	2ft sub-aqua core 6.75 in
ILWW	155.3	11	RDB	44	mp	La Grange	sample 2, mid bench midpoint section
ILWW	155.3	11	RDB	55	mp	La Grange	2 ft. subaqa core - 6.75 in B hor = 3.0- 6.0 in
ILWW	155.3	11	RDB	71	mp	La Grange	sample 3, berm
ILWW	155.3	11	RDB	43	mp	La Grange	sample 1, low bench
ILWW	155.3	11	RDB	42	mp	La Grange	sample 4, top bank
ILWW	154.6	12	LDB	48	up	La Grange	@ 1' depth, 20' off W.E.
ILWW	154.5	12	LDB	65	mp	La Grange	2 ft. sub-aqua sample core 15.0 in
ILWW	154.5	12	LDB	56	mp	La Grange	2 ft. sub-aqua sample core = 15.0 in A hor = 0-4.25 in
ILWW	154.4	12	LDB	46	mp	La Grange	sample 3, berm

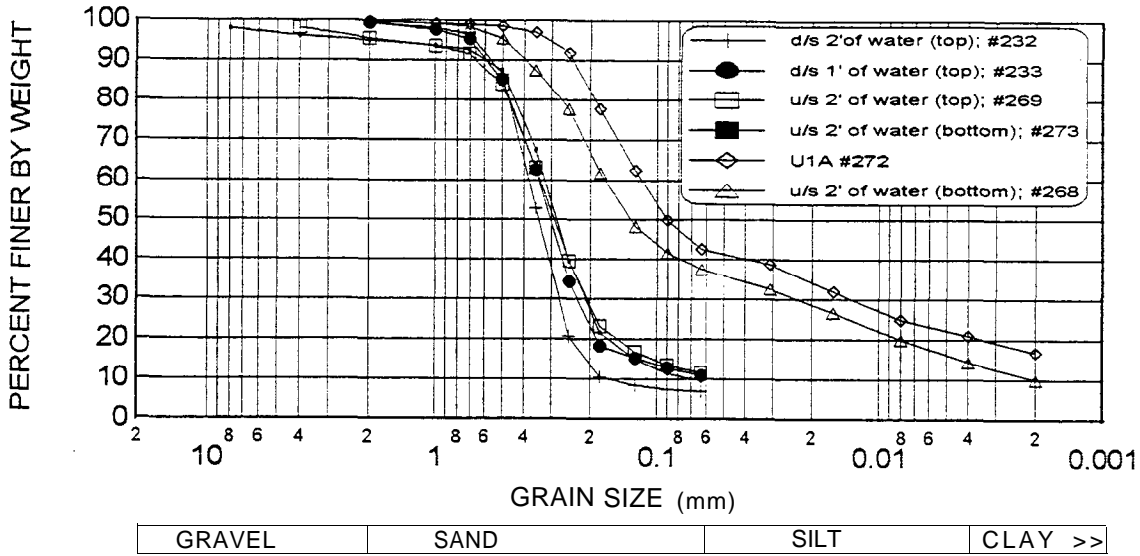
<i>River</i>	<i>River Mile</i>	<i>Site</i>	<i>Location</i>	<i>Sample No.</i>	<i>Bnkprf</i>	<i>Pool No.</i>	<i>Specific Site</i>
ILWW	154.4	12	LDB	33	mp	La Grange	sample bench 20' off shore
ILWW	154.4	12	LDB	53	mp	La Grange	sample 1, bench near shore
ILWW	154.4	12	LDB	50	mp	La Grange	sample 4, top bank
ILWW	150.6	13	LDB	59	mp	La Grange	2 ft. sub-aqua core core 15.5 in B hor = 3.0-6.0 in
ILWW	150.6	13	LDB	67	mp	La Grange	2 ft. sub-aqua sample core = 15.5 in A hor = 0-3.0 in
ILWW	150.5	13	LDB	36	mp	La Grange	sample 3, top bank
ILWW	150.5	13	LDB	41	mp	La Grange	sample 1, top of scarp
ILWW	150.5	13	LDB	49	mp	La Grange	sample 2, bench
ILWW	129.3	14	RDB	76	mp	La Grange	sample 1, bench
ILWW	129.3	14	RDB	51	mp	La Grange	sample 3, berm
ILWW	129.3	14	RDB	83	mp	La Grange	sample 4, top bank
ILWW	129.3	14	RDB	37	mp	La Grange	2 ft. sub aqua sample core = 8" B hor=3"-6"
ILWW	129.3	14	RDB	34	mp	La Grange	sample 2, bench
ILWW	129.3	14	RDB	35	mp	La Grange	2 ft. sub-aqua sample core = 8N A hor = 0"-3"
ILWW	129.2	14	RDB	40	dn	La Grange	sample @ 2 depth
ILWW	116.5	15	RDB	32	mp	La Grange	sample 2 (scarp)
ILWW	116.5	15	RDB	39	mp	La Grange	2 ft. sub-aqua sample core = 15.5 in C horizon = 2.5-9.75 in.
ILWW	116.5	15	RDB	74	mp	La Grange	2 ft. sub-aqua sample core= 15.5 in B horizon = 0.75-2.5 in.
ILWW	116.5	15	RDB	75	mp	La Grange	sample 1 (bench).
ILWW	116.5	15	RDB	31	mp	La Grange	sample 3 levee slope top of levee material
ILWW	116.5	15	RDB	82	mp	La Grange	2 ft. sub-aqua sample core = 15.5 in a hor. = 0.-0.75 in
ILWW	109.5	16	LDB	79	mp	La Grange	sample 1, bench
ILWW	109.5	17	RDB	80	mp	La Grange	sample 2, berm
ILWW	109.5	17	RDB	52	mp	La Grange	sample 3, top bank
ILWW	109.5	16	LDB	38	mp	La Grange	sample #2, berm

<i>River</i>	<i>River Mile</i>	<i>Site</i>	<i>Location</i>	<i>Sample No.</i>	<i>Bnkprf</i>	<i>Pool No.</i>	<i>Specific Site</i>
ILWW	109.5	16	LDB	81	mp	La Grange	2 ft. sub-aqua core = 11.5 A hor = 0-4.5 in
ILWW	109.5	16 or 17?	RDB	77	mp	La Grange	sample 1, bench
ILWW	109.5	16	LDB	73	mp	La Grange	sample 3, scarp
ILWW	109.5	16	LDB	85	mp	La Grange	2 ft. sub-aqua core B hor = 4.5-9.0
ILWW	109.2	16	LDB	72	dn	La Grange	sample @ 2' depth
ILWW	94.3	18	RDB	93	up	La Grange	D/S of Sugar Creek Stable bank surfacial
ILWW	94.2	18	RDB	86	mp	La Grange	2 ft. sub-aqua sample core = 1.5A hor = 0-3.5
ILWW	94.2	18	RDB	92	mp	La Grange	sample 2, berm
ILWW	94.2	18	RDB	91	mp	La Grange	sample 1, bench
ILWW	94.2	18	RDB	96	mp	La Grange	sample 3, bank top
ILWW	94.2	18	RDB	89	mp	La Grange	2 ft. sub-aqua sample core = 9.5 B hor = 3.5-6.0
ILWW	91.2	19	RDB	97	mp	La Grange	sample 1, bench top
ILWW	91.2	19	RDB	84	mp	La Grange	2 ft. sub-aqua sample core = 6' A hor = 0-4.0 in
ILWW	91.2	19	RDB	95	mp	La Grange	Sample 2, scarp
ILWW	91.2	19	RDB	98	mp	La Grange	sample 3, top bank
ILWW	79.4	20	RDB	90	mp	La Grange	sample 3, top bank
ILWW	79.4	20	RDB	88	mp	La Grange	sample, bench
ILWW	79.4	20	RDB	94	mp	La Grange	sample 2, scarp
ILWW	61.7	21	RDB	100	mp	Alton	sample 3, top bank
ILWW	61.7	21	RDB	101	mp	Alton	sample 2, berm
ILWW	61.7	21	RDB	102	mp	Alton	sample 1, bench
ILWW	61.5	21	RDB	117	dn	Alton	2 ft. sub-aqua core 13.5 A hor = 0-3.5
ILWW	61.5	21	RDB	116	dn	Alton	2 ft. sub-aqua core = 13.5 B hor = 3.5-7.0
ILWW	61.4	21	RDB	99	dn	Alton	1' sed in river surfacial 6"
ILWW	45.1	22	RDB	119	mp	Alton	2 ft. sub-aqua sample core = 15.5 A hor = 0-4.5

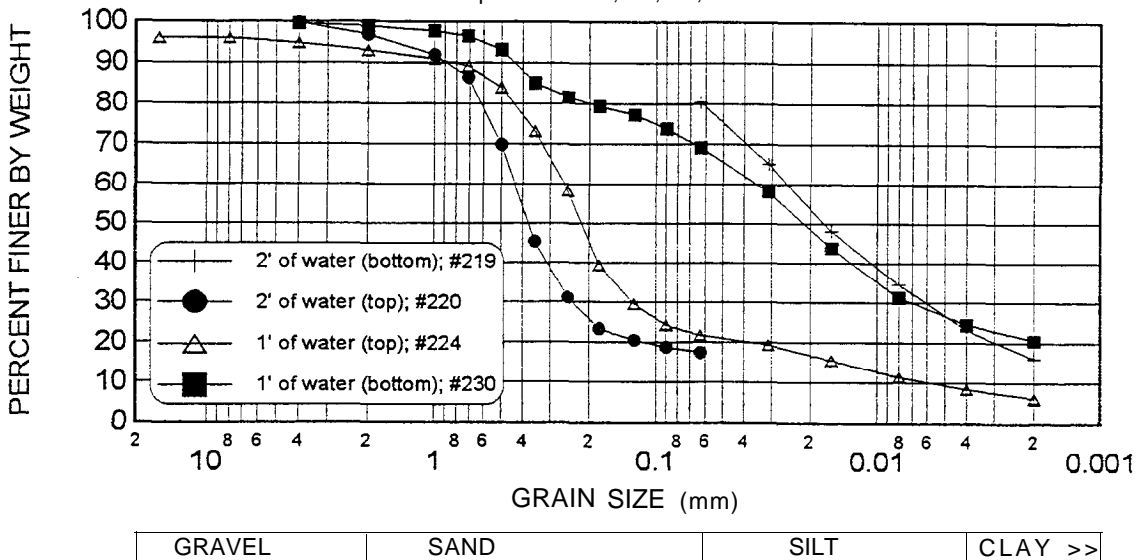
<i>River</i>	<i>River Mile</i>	<i>Site</i>	<i>Location</i>	<i>Sample No.</i>	<i>Bnkprf</i>	<i>Pool No.</i>	<i>Specific Site</i>
ILWW	45.1	22	RDB	107	mp	Alton	sample 1, bench
ILWW	45.1	22	RDB	103	mp	Alton	sample 2, scarp
ILWW	45.1	22	RDB	104	up	Alton	sample @ 1' depth
ILWW	45.1	22	RDB	105	mp	Alton	top bank sample 3
ILWW	45.1	22	RDB	118	up	Alton	2 ft. sub-aqua sample core = 13.5 B hor = 4.5-9.0
ILWW	23.4	23	RDB	115	mp	Alton	2 ft. sub-aqua sample core = 10.0 A hor = 0-3.5
ILWW	23.4	23	RDB	106	mp	Alton	sample 2, bench
ILWW	23.4	23	RDB	108	mp	Alton	sample 3, top bank
ILWW	23.4	23	RDB	113	mp	Alton	sample 1, bench
ILWW	23.4	23	RDB	114	mp	Alton	2 ft. sub-aqua sample core = 10" B hor = 3.5-7.0
ILWW	23.4	23	RDB	110	mp	Alton	sediment sample at 2'
ILWW	179.0	9	LDB	63	dn?	Alton	sed sample bet 2' or 3' under water
ILWW	13.0	24	LDB	111	mp	Alton	2 ft. sub-aqua sample core 11 B hor = 5-10
ILWW	13.0	24	LDB	109	mp	Alton	sample 1, scarp
ILWW	13.0	24	LDB	112	mp	Alton	2 ft. sub-aqua sample 13.0 core 11" a hor = 0-5"
ILWW	184.8	8	LDB	62	mp	Alton	scarp face sample #1
ILWW	209.7	6	RDB	16	dn	Alton	sample 6 = 15' off W.E.
ILWW	242.0	1	LDB	18	up	Alton	sample 50' off the edge
ILWW	94.2	18	RDB	87	dn	Alton	Sugar Creek Stabel bank 6" below surface sample
ILWW	91.2	19	RDB	78	mp	Alton	2 ft. sub-aqua core 6.0B horizon 4-6

ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank RDB(up & dn)
 Site No: UP1 Pool: Marseilles
 RM:270.3 Sample No: 232,233,268,269,273,272

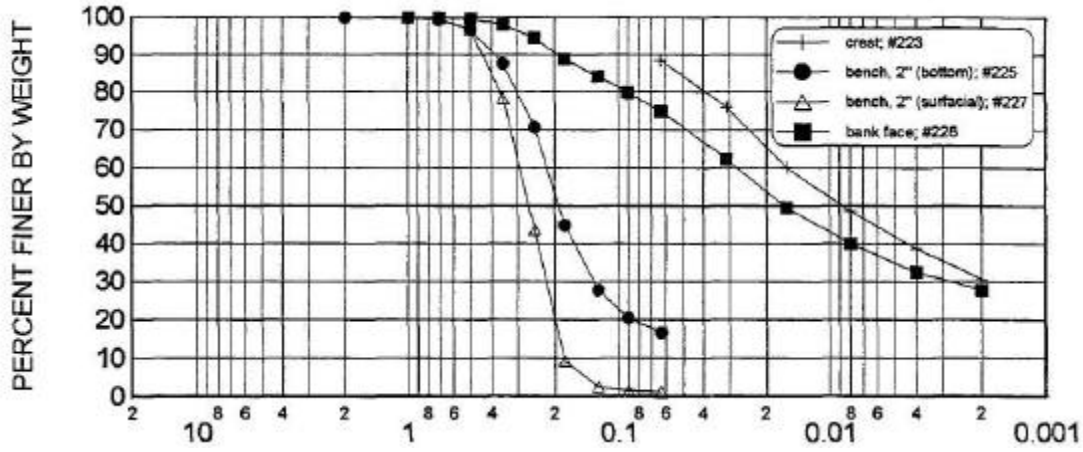


River: ILWW Bank:RDB(mp)
 SiteNo:UP1 Pool: Marseilles
 RM: 270.3 Sample No: 219,220,224,230



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

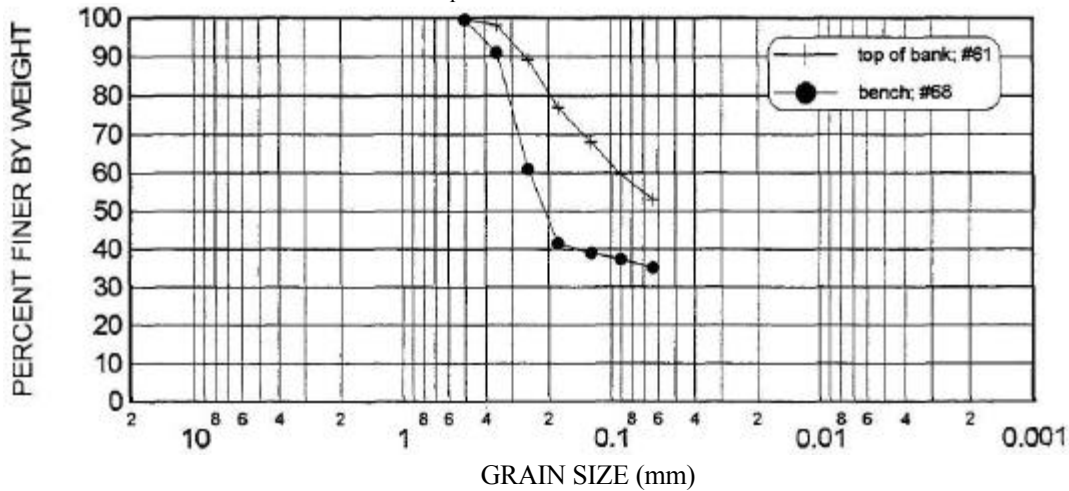
River: ILWW Bank: RDB(mp)
 Site No: UP1 Pool: Marseilles
 RM: 270.3 Sample No: 223,225,227,228



GRAVEL	SAND	SILT	CLAY »
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GRAIN SIZE (mm)

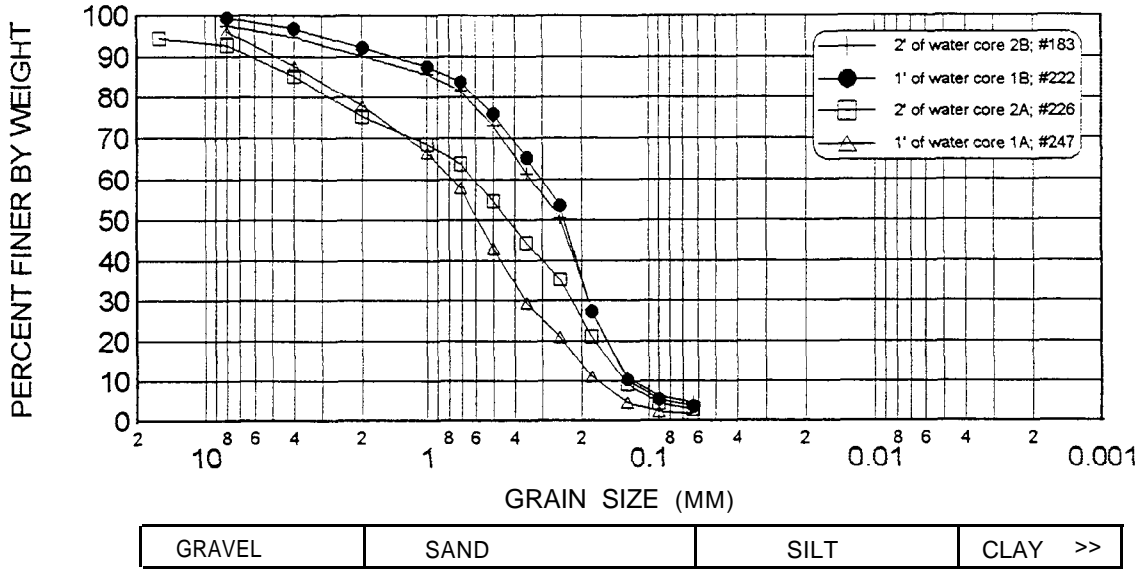
River: ILWW Bank: LDB(mp)
 Site No: 9 Pool: Peoria
 RM: 270.3 Sample No: 61.68



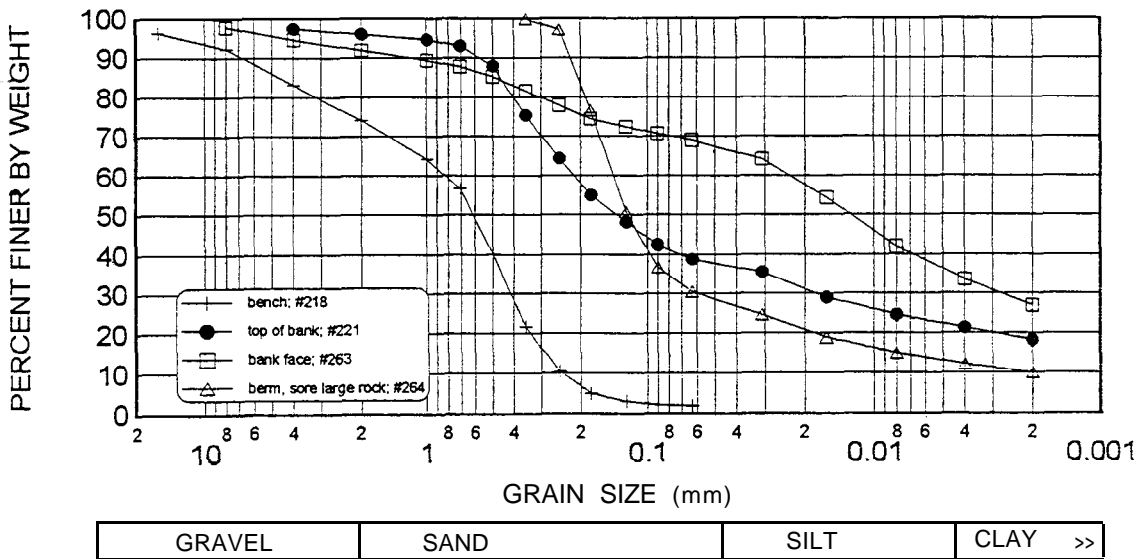
GRAVEL	SAND	SILT	CLAY »
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ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: LDB (core sample from up, mp & dn)
 Site No: UP2 Pool: Marseilles
 RM: 27.03 Sample No: 183,222226247



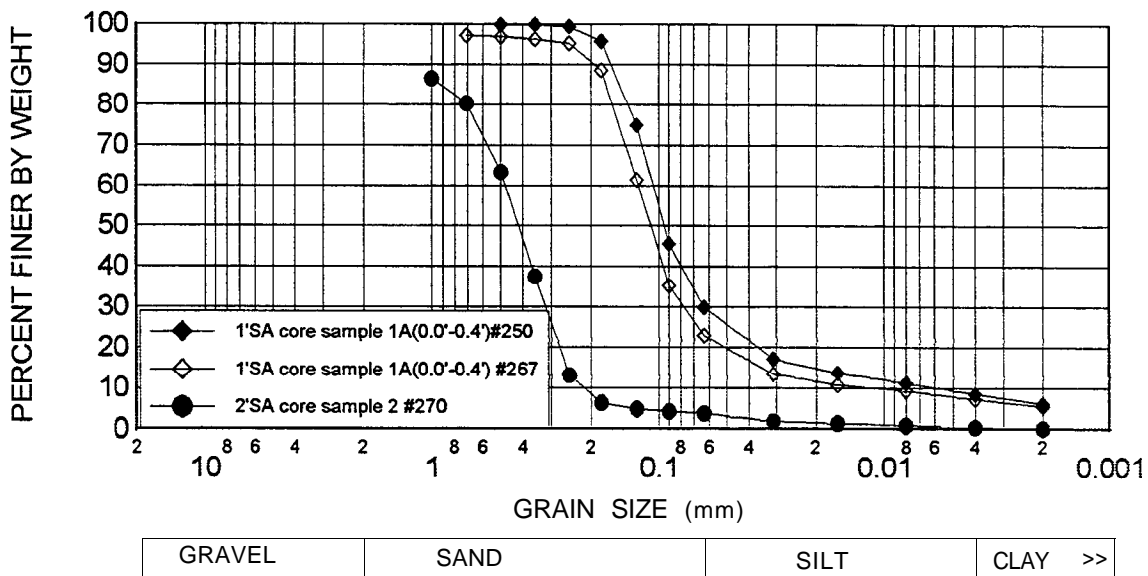
River: ILWW Bank: LDB(mp)
 Site No: UP2 Pool: Marseilles
 RM: 270.3 Sample No: 218,221,263,264



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

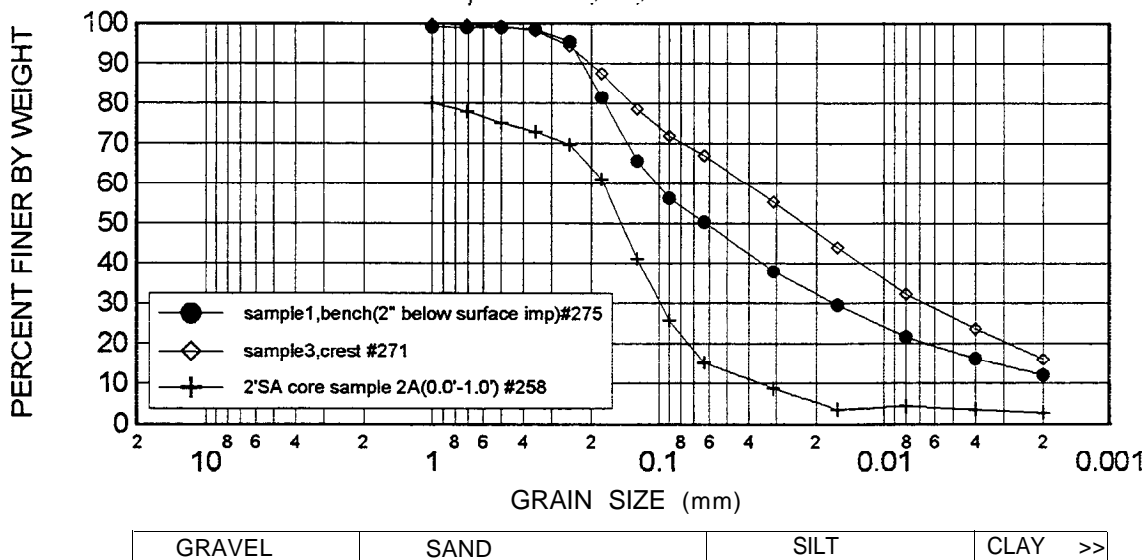
River: ILWW
Site No: up3
RM: 264.3

Bank: LDB (dn,mp)
Pool: Marseilles
Sample No: 250,267,270



River: ILWW
Site No: up3
RM: 264.3

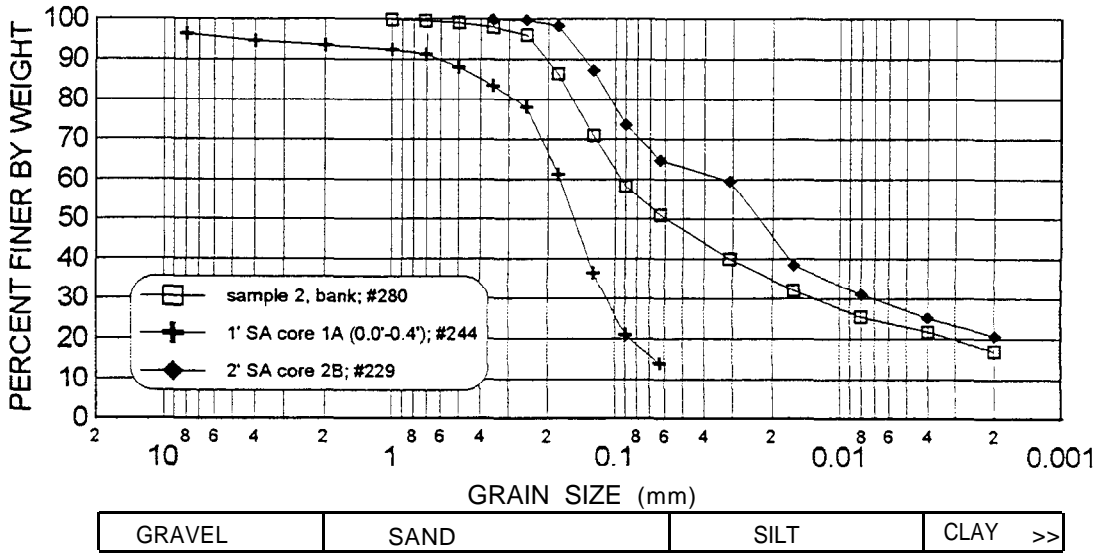
Bank: LDB (mp,up)
Pool: Marseilles
Sample No: 275,271,258



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

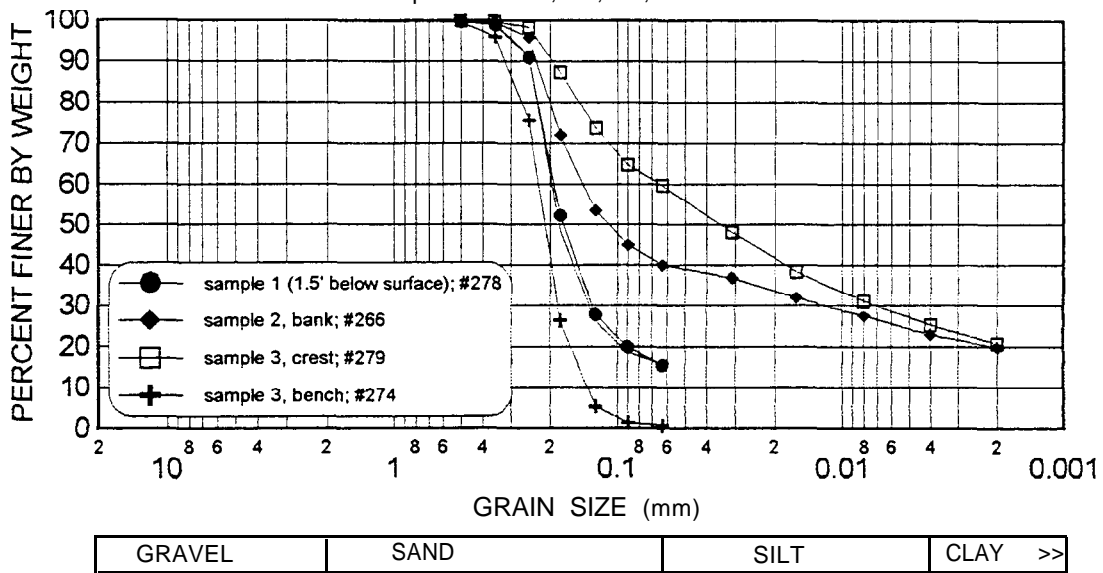
River: ILWW
Site No: UP3
RM: 264.3

Bank: LDB (core and surface sample from up, mp, and dn)
Pool: Marseilles
Sample No: 280,244,229



River: ILWW
Site No: UP4
RM: 262.1

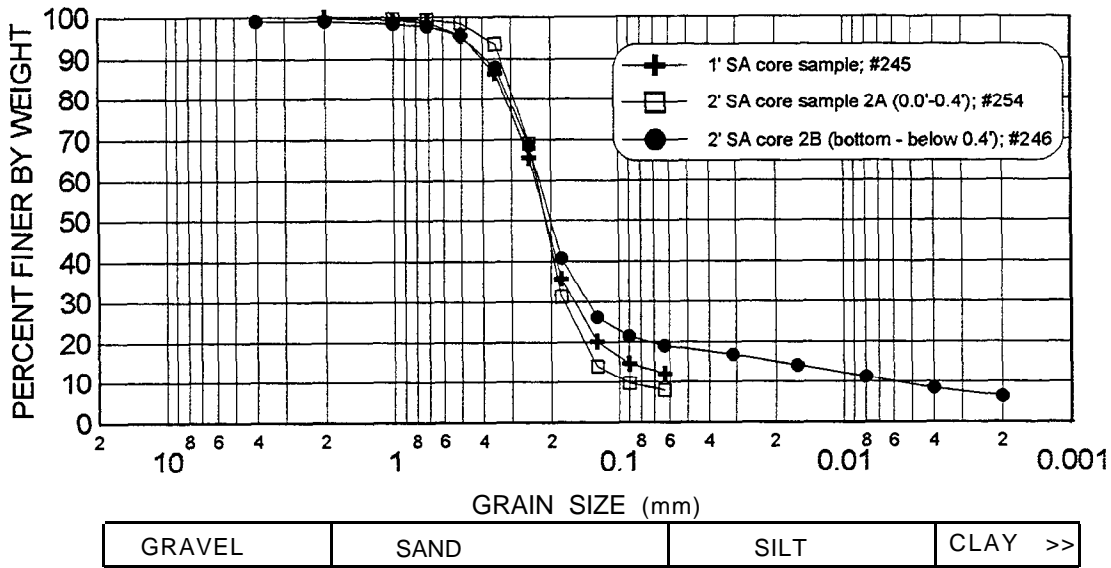
Bank: LDB (mp)
Pool: Marseilles
Sample No: 278,266,279,274



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

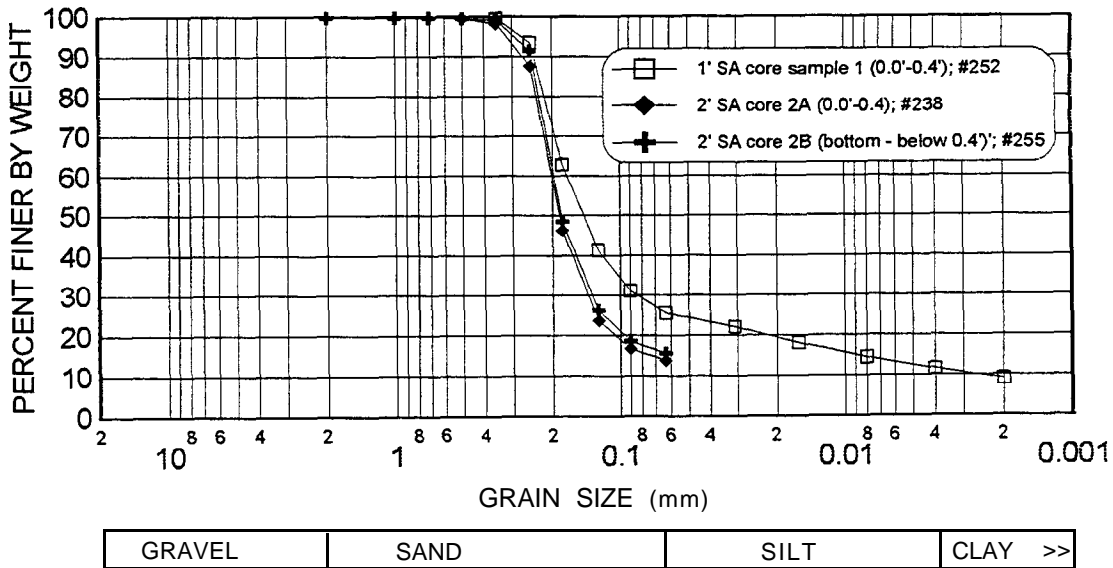
River: ILWW
Site No: UP4
RM: 262.1

Bank: LDB (core samples from up)
Pool: Marseilles
Sample No: 245,254,246



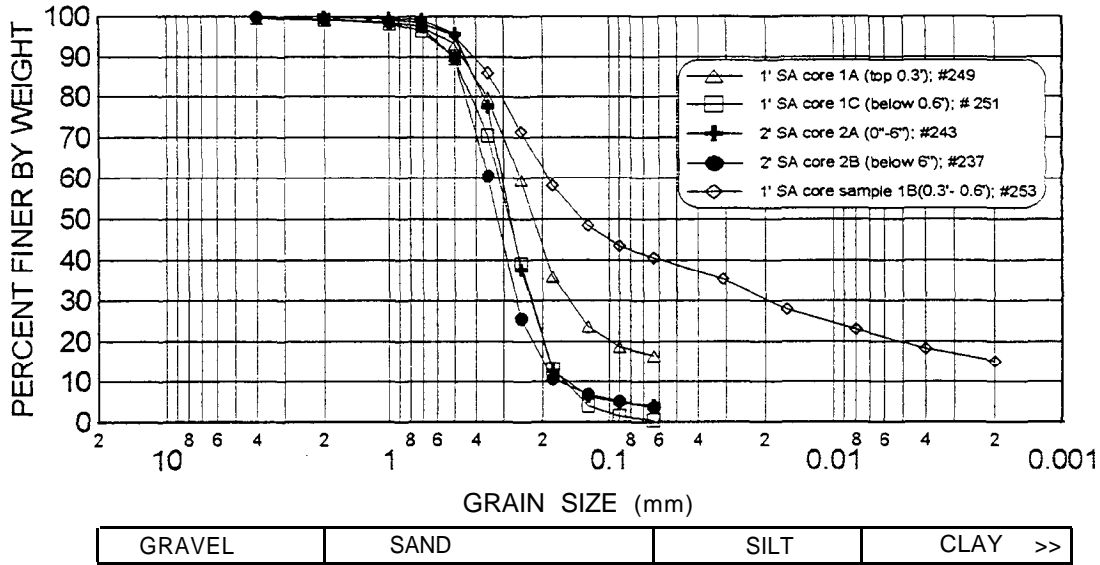
River: ILWW
Site No: UP4
RM: 262.1

Bank: LDB (core samples from mp)
Pool: Marseilles
Sample No: 252,238,255

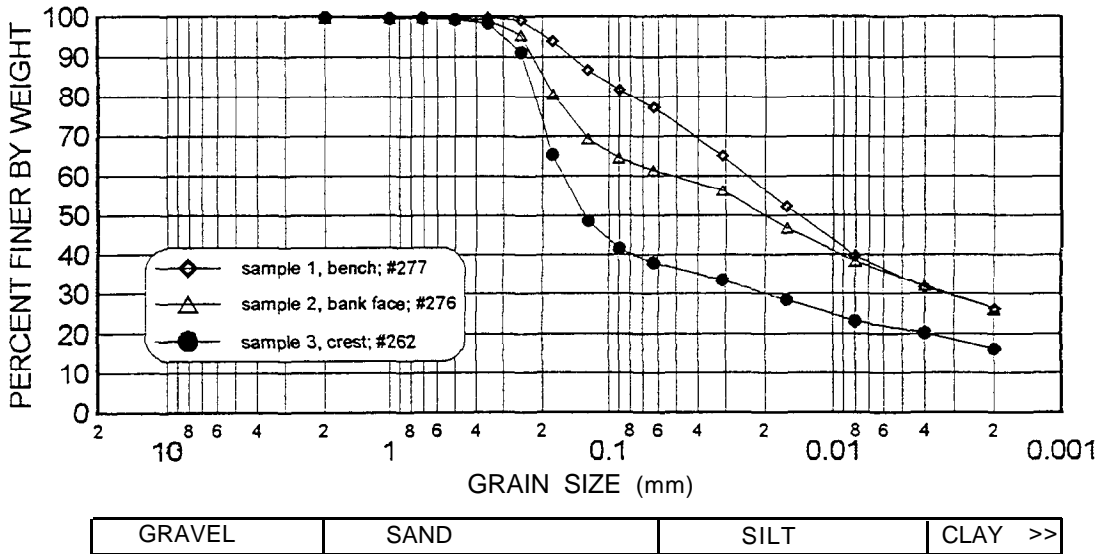


ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: RDB (core samples from mp)
 Site No: UP5 Pool: Marseilles
 RM: 262.1 Sample No: 249,253,251,243,237



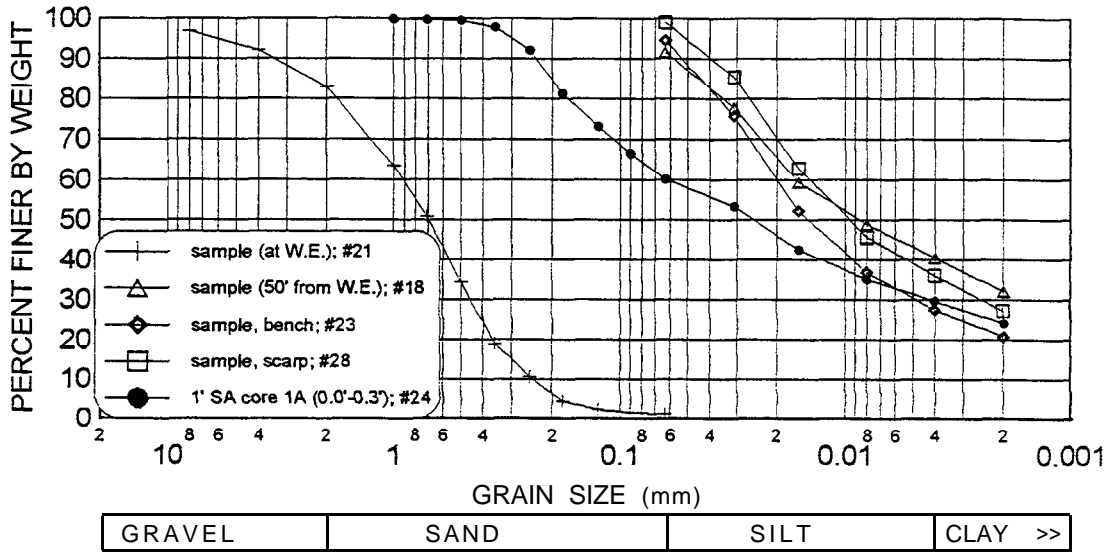
River: ILWW Bank: RDB (mp)
 Site No: UP5 Pool: Marseilles
 RM: 262.1 Sample No: 277,276,262



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

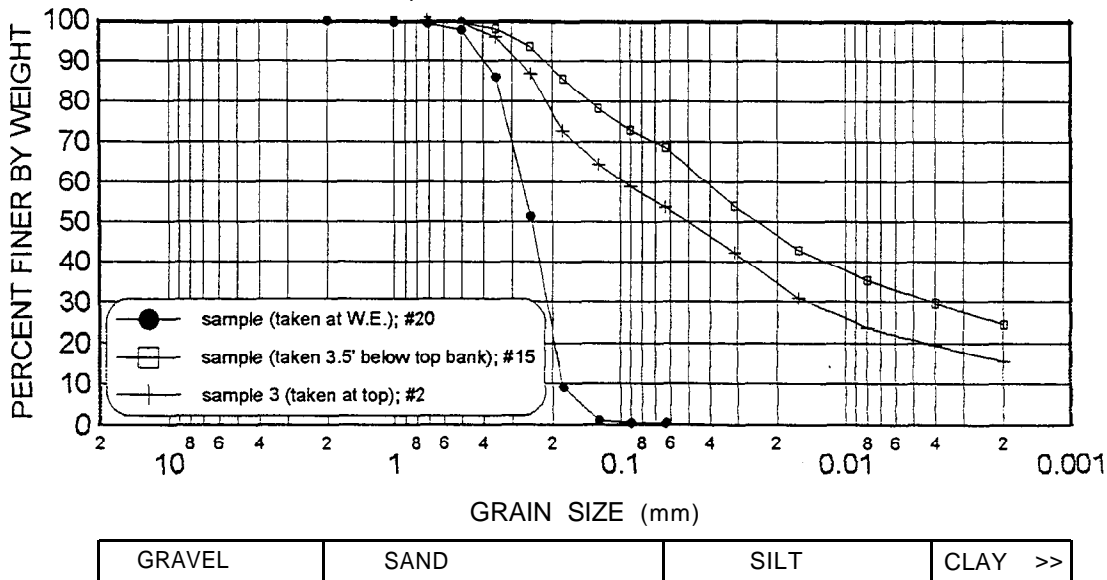
River: ILWW
Site No:1
RM: 242.8

Bank LDB (surface and core samples from mp and up)
Pool: Marseilles and Alton
Sample No:21,18,23,28,24



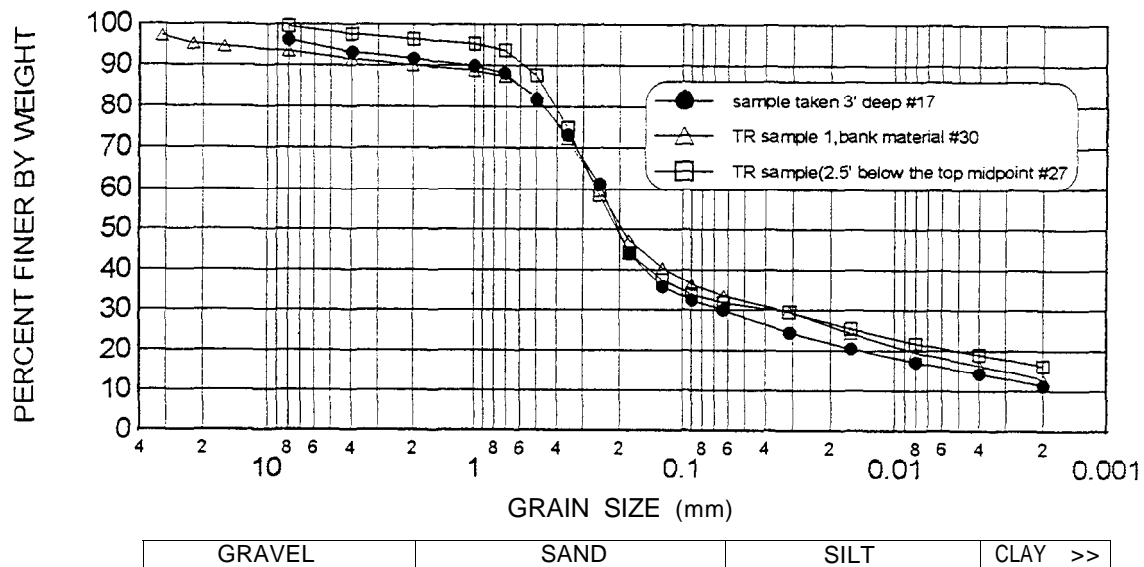
River: ILWW
Site No: 2
RM:243.4

Bank: LDB (mp)
Pool: Marseilles
Sample No: 20, 15, 2



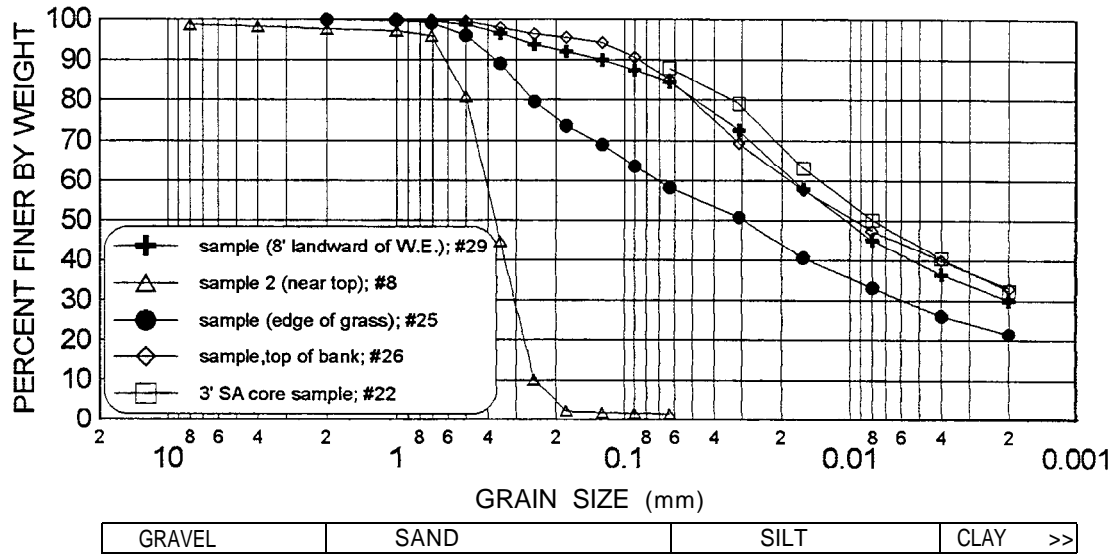
ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: RDB (mp, up)
 Site No: 3 Pool: Starved Rock
 RM: 236 Sample No: 17, 30, 27

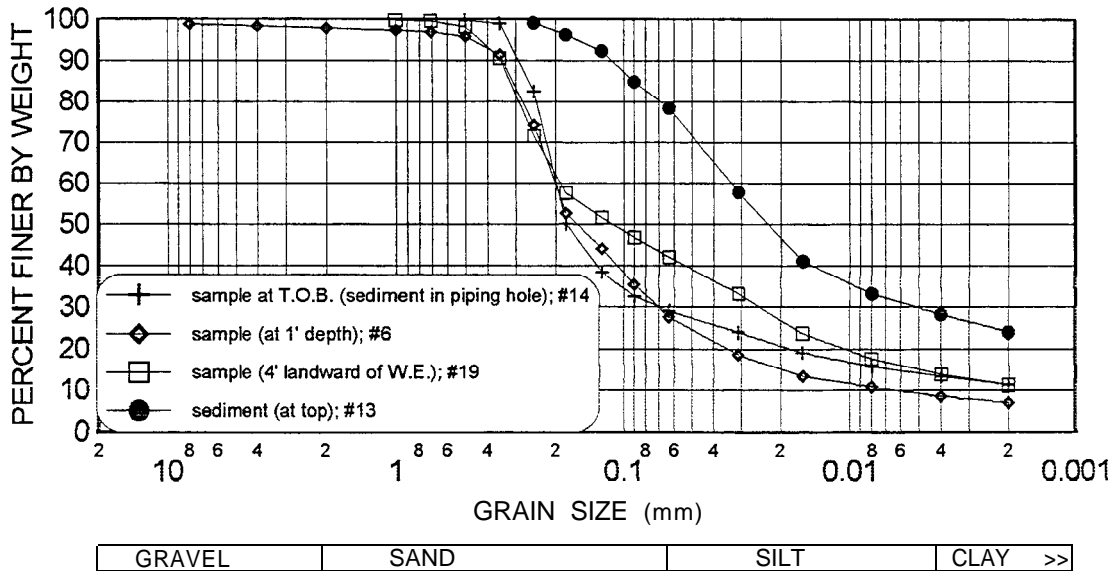


ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: LDB (core and surface samples from up & mp)
 Site No: 4 Pool: Peoria
 RM: 228.1 Sample No: 29, 8, 25, 26, 22



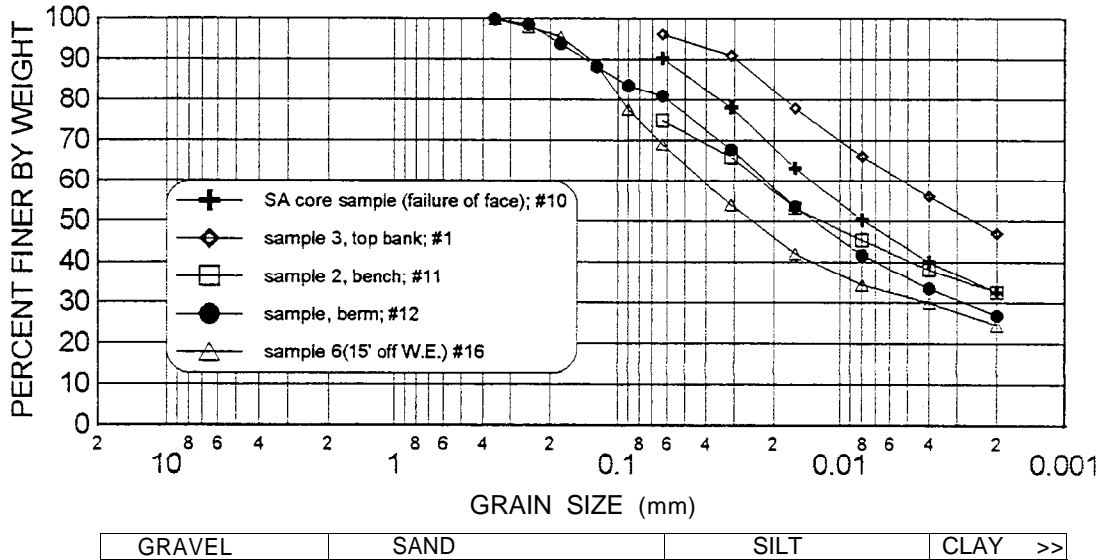
River: ILWW Bank: RDB (mp)
 Site No: 5 Pool: Peoria
 RM: 229.0 Sample No: 14, 6, 19, 13



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

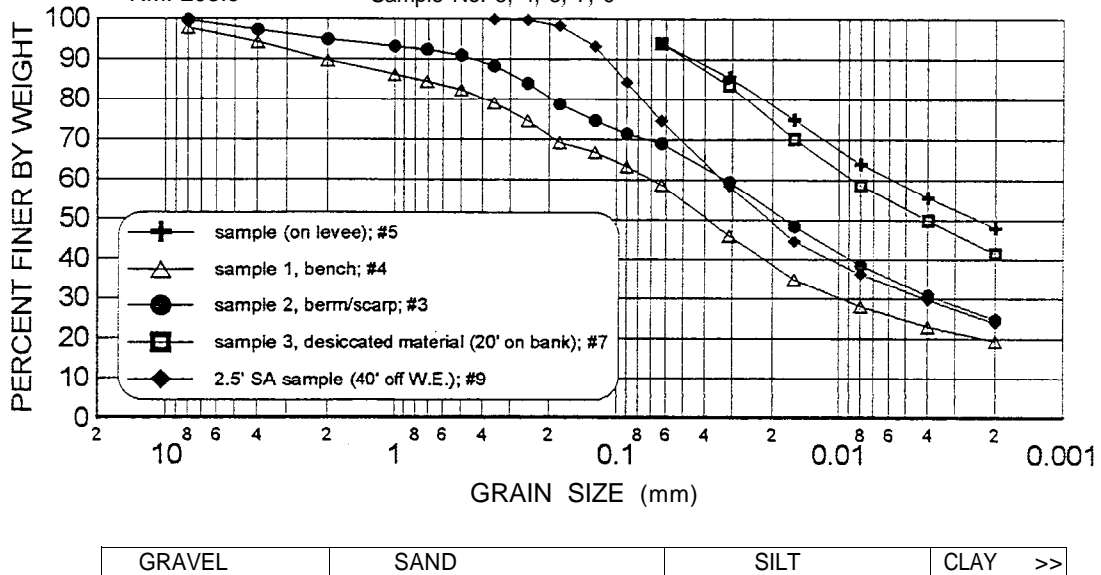
River: ILWW
Site No: 6
RM: 210.0

Bank: RDB (core and surface samples from mp and dn)
Pool : Peoria and Alton
Sample No: 10, 1, 11, 12, 16



River: ILWW
Site No: 7
RM: 203.9

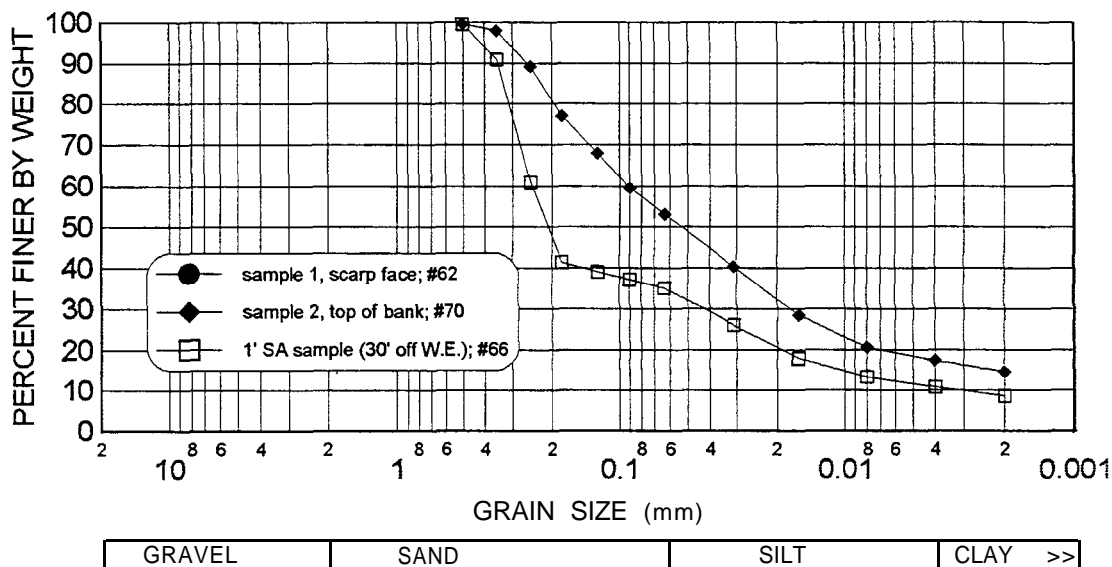
Bank : LDB (core and surface samples from, up and mp)
Pool: Peoria
Sample No: 5, 4, 3, 7, 9



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

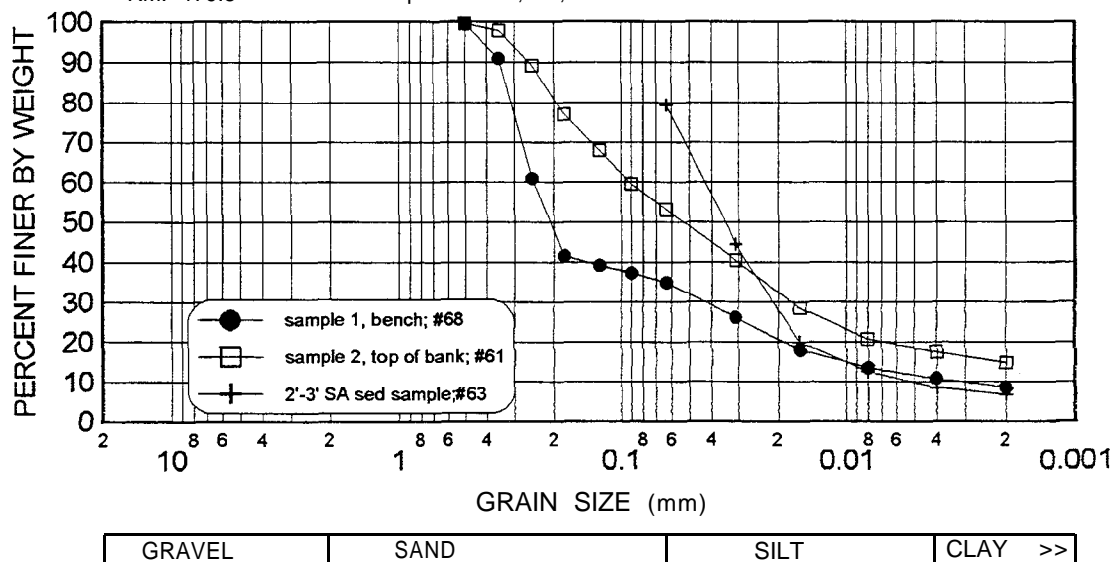
River: ILWW
Site No: 8
RM: 184.7

Bank: LDB (core and surface samples from mp and dn)
Pool: Peoria and Alton
Sample No: 62, 70, 66



River: ILWW
Site No: 9
RM: 179.8

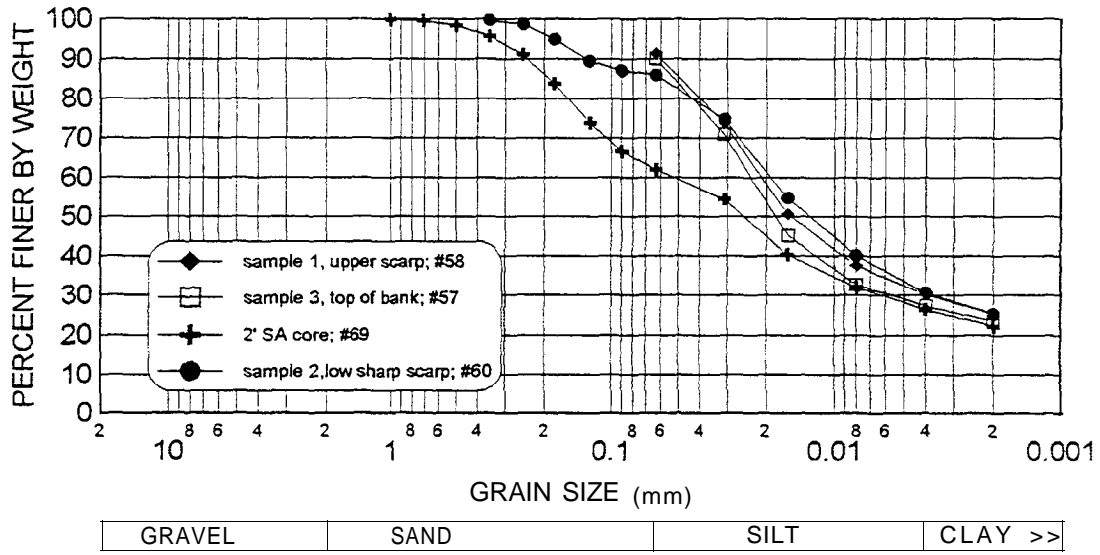
Bank: LDB (mp)
Pool: Peoria
Sample No: 68, 61, 63



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

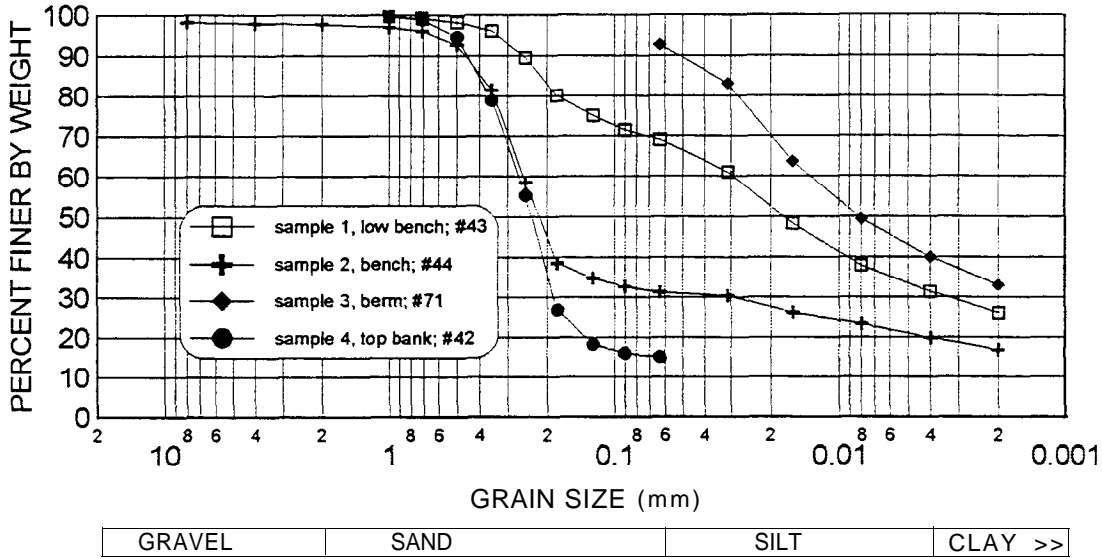
River: ILWW
Site No: 10
RM: 160

Bank: RDB (core and surface samples from mp and dn)
Pool: Peoria
Sample No: 58,60, 57,69

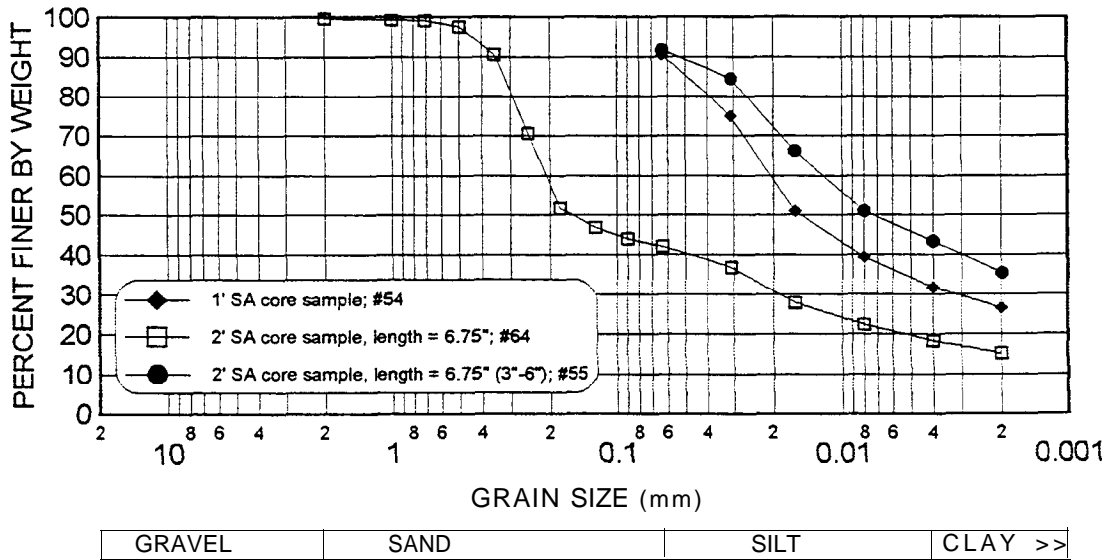


ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: RDB (mp)
 Site No: 11 Pool: La Grange
 RM: 155.3 Sample No: 43, 44, 71, 42

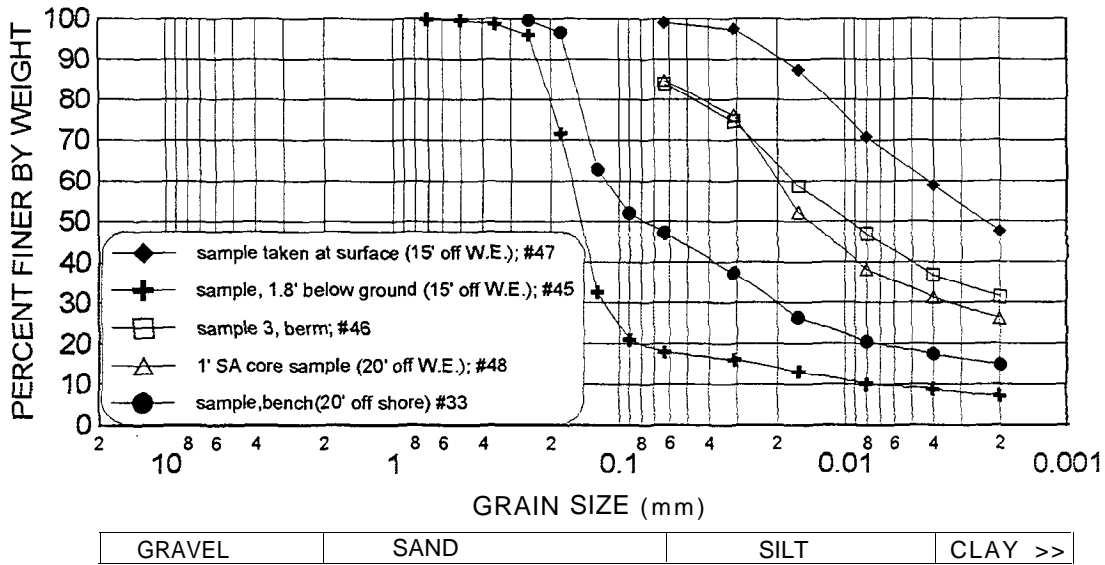


River: ILWW Bank: RDB (core samples from up and mp)
 Site No: 11 Pool: La Grange
 RM: 155.3 Sample No: 54, 64, 55



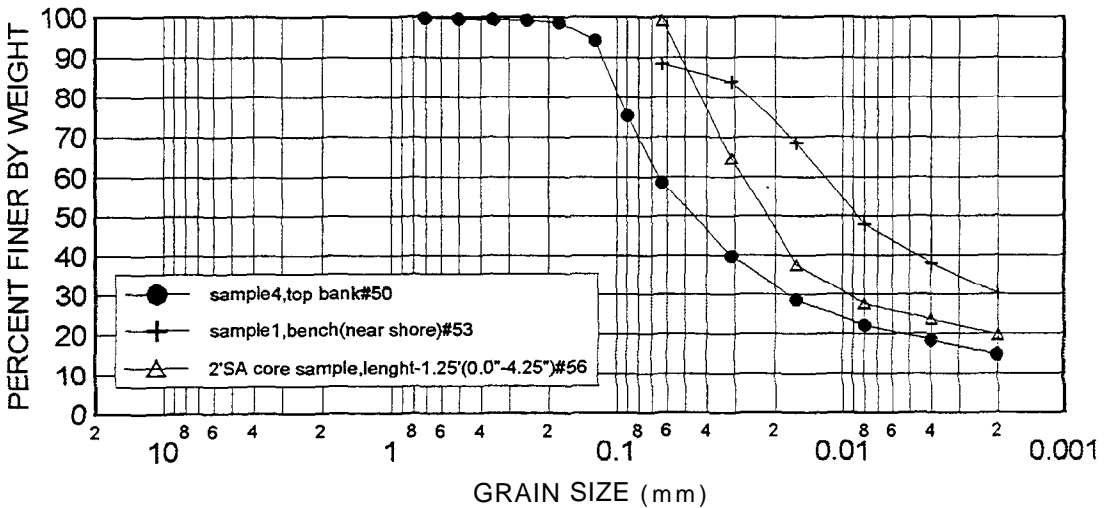
ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: LDB (up, mp)
 Site No: 12 Pool: La Grange
 RM: 154.5 Sample No: 47, 45, 33, 46, 48



GRAVEL	SAND	SILT	CLAY >>
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River: ILWW Bank: LDB (mp)
 Site No: 12 Pool: La Grange
 RM: 154.4, 154.5 Sample No: 50, 53, 56

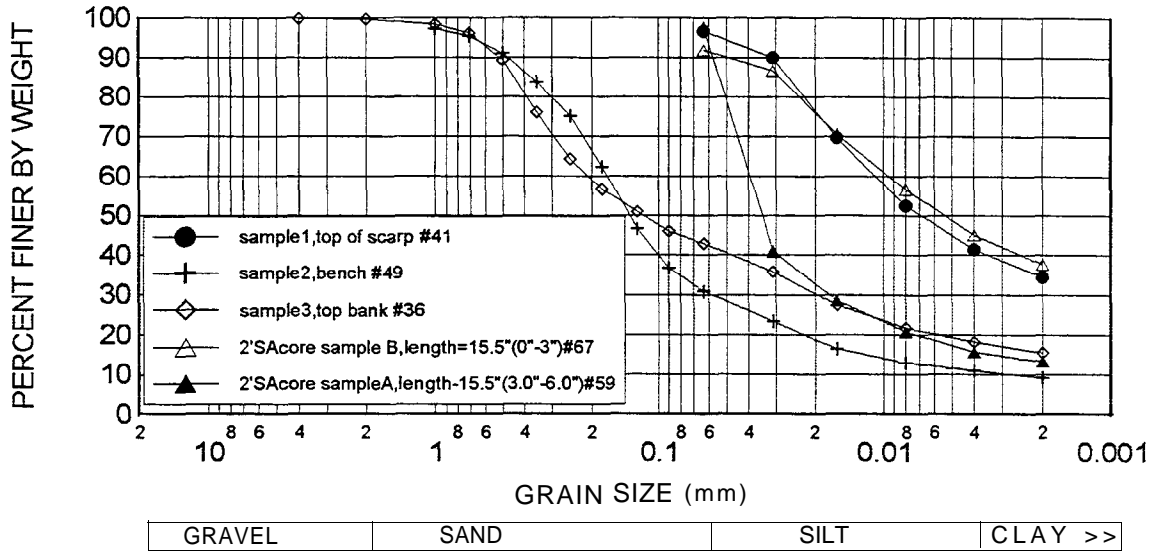


GRAVEL	SAND	SILT	CLAY >>
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ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW
Site No: 13
RM: 150.6

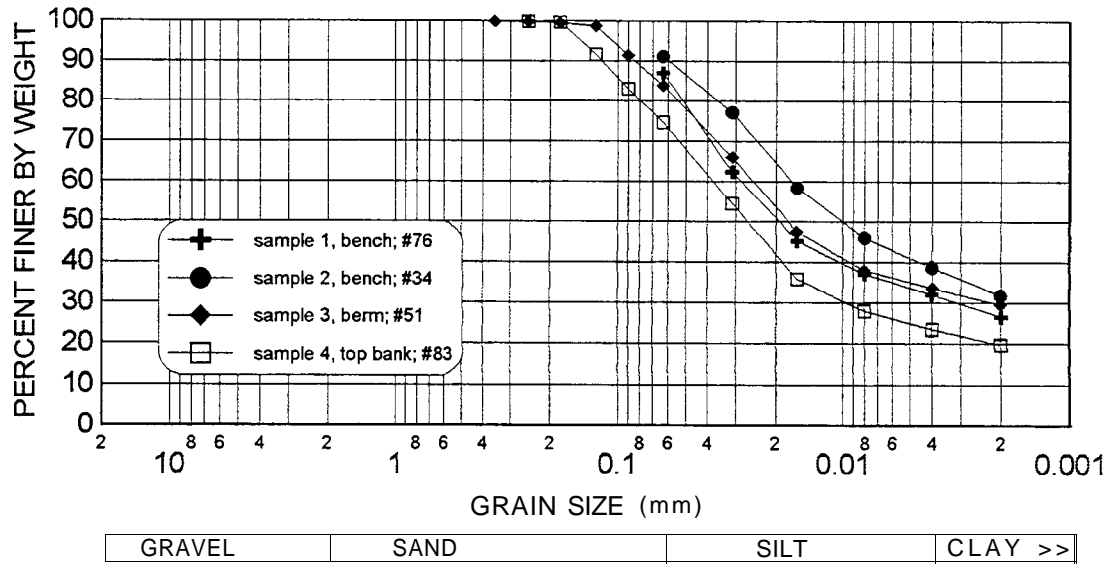
Bank:LDB (surface and core samples from mp)
Pool: La Grange
Sample No: 41,49,36,67,59



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

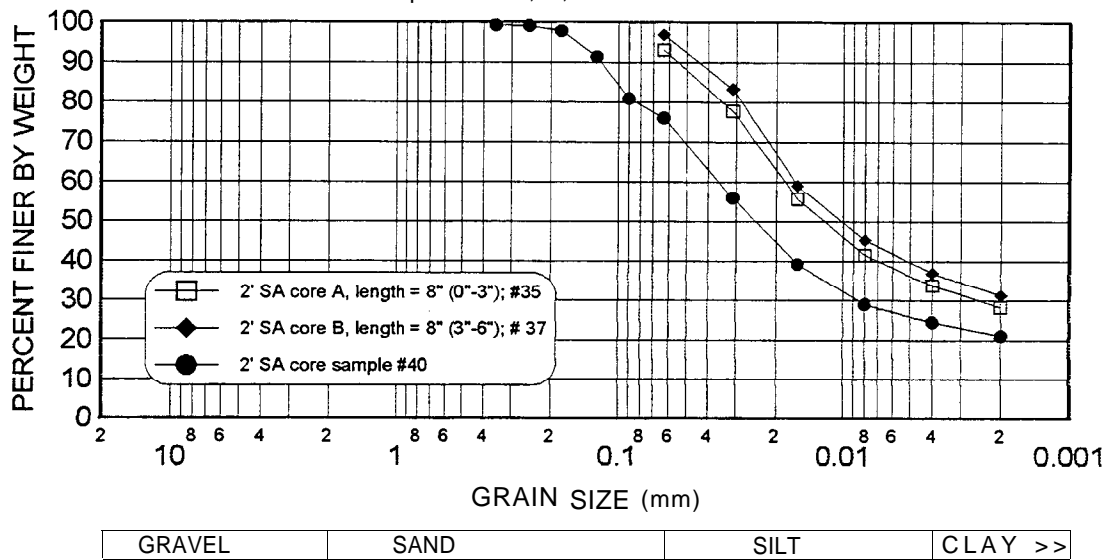
River: ILWW
Site No: 14
RM: 129.3

Bank: RDB (mp)
Pool: La Grange
Sample No: 76, 34, 51, 83



River: ILWW
Site No: 14
RM: 129.3

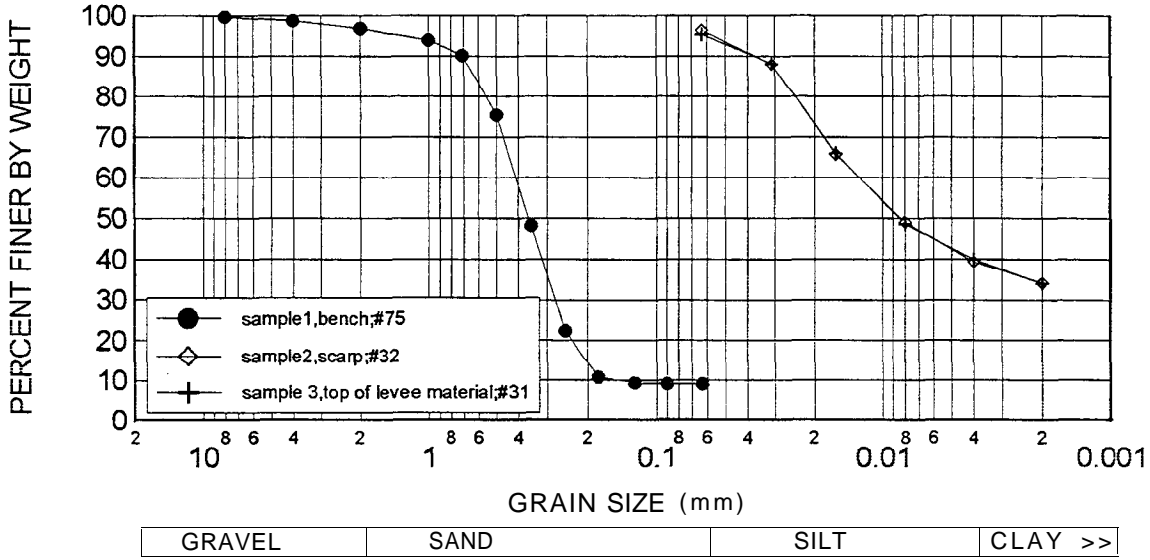
Bank: RDB (core samples from mp and dn)
Pool: La Grange
Sample No: 35, 37, 40



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

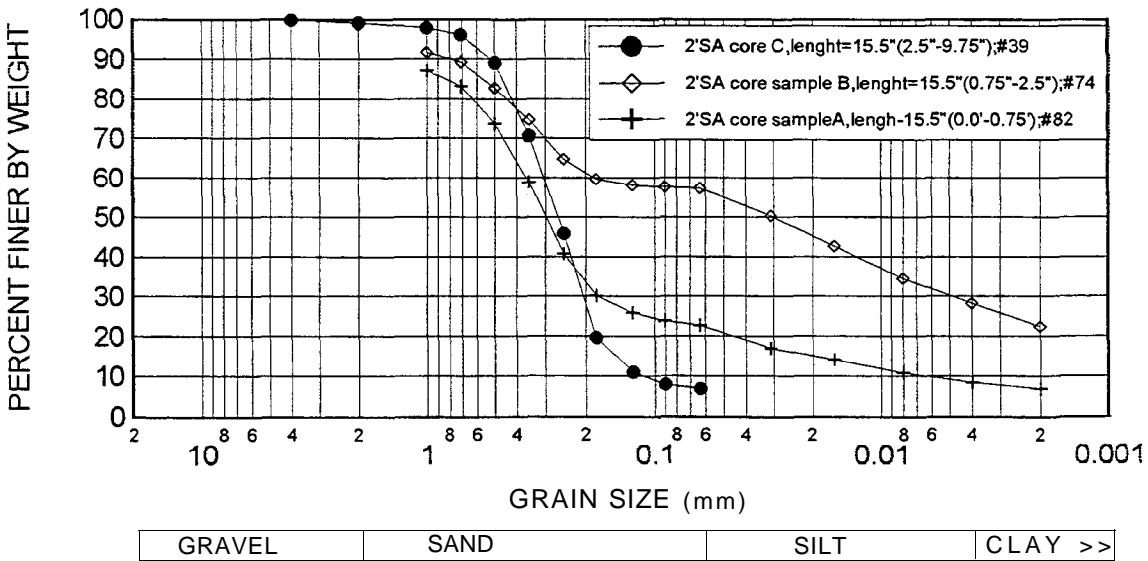
River: ILWW
Site No: 15
RM: 116.5

Bank: RDB (surface samples from mp)
Pool: La Grange
Sample No:75,32,31



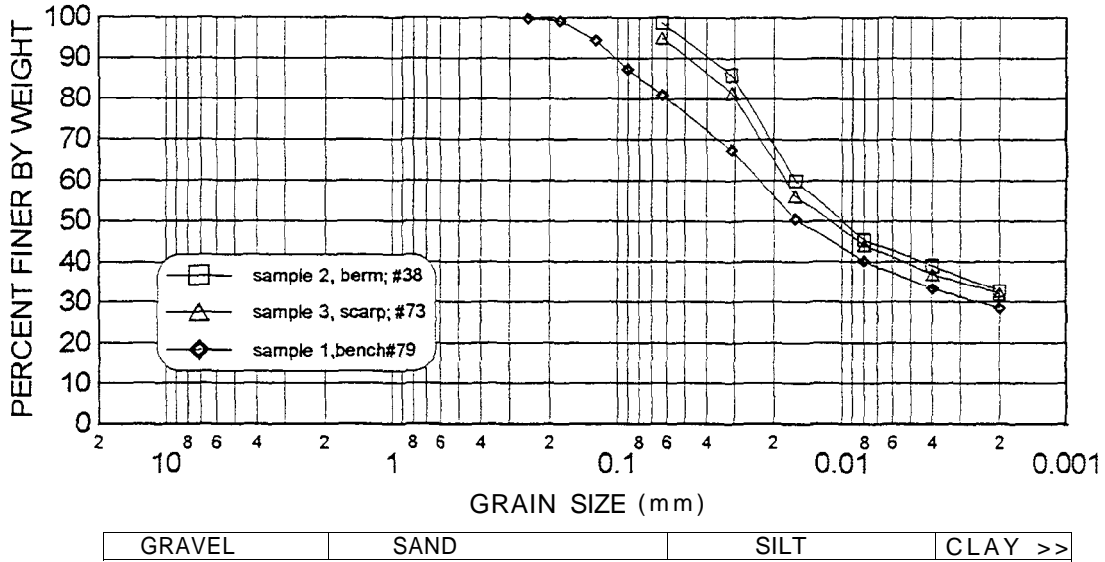
River: ILWW
Site No: 15
RM: 116.5

Bank: RDB (core samples from mp,up)
Pool: La Grange
Sample No: 39,74,82

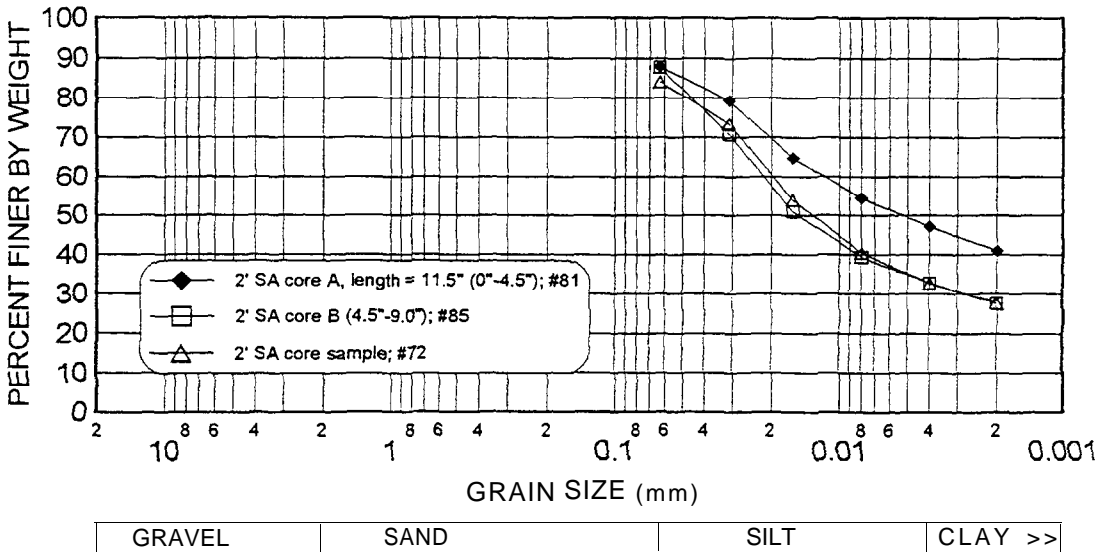


ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: LDB (mp)
 Site No: 16 Pool: La Grange
 RM: 109.5 Sample No: 79, 38, 73

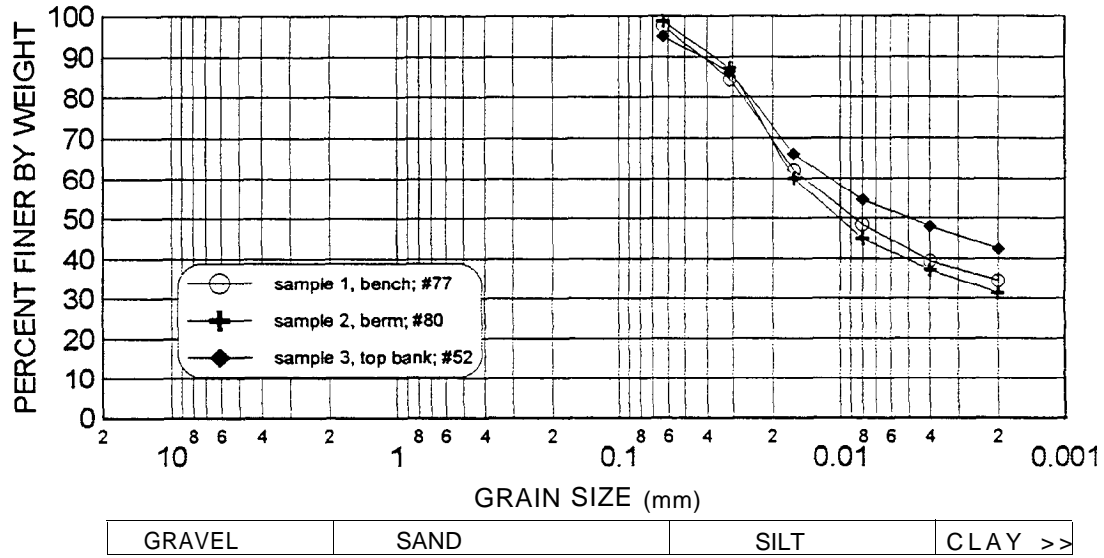


River: ILWW Bank: LDB (core samples from mp and dn)
 Site No: 16 Pool: La Grange
 RM: 109.5 Sample No: 81, 85, 72



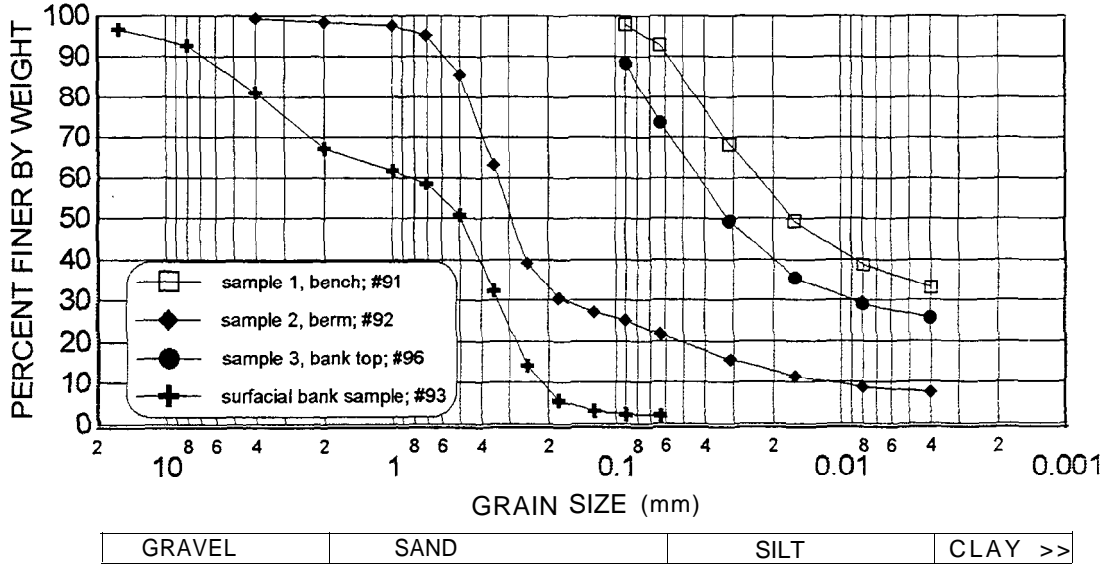
ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: RDB (mp)
 Site No: 17 Pool: La Grange
 RM: 109.5 Sample No: 77, 80, 52

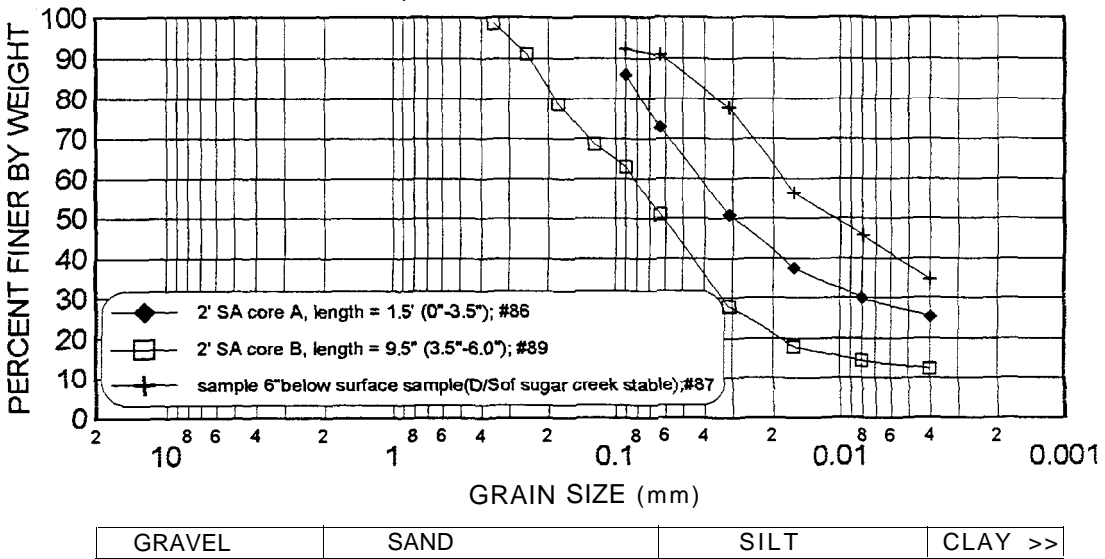


ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: RDB (mp)
 Site No: 18 Pool: La Grange
 RM: 94.2 Sample No: 91,92,96,93



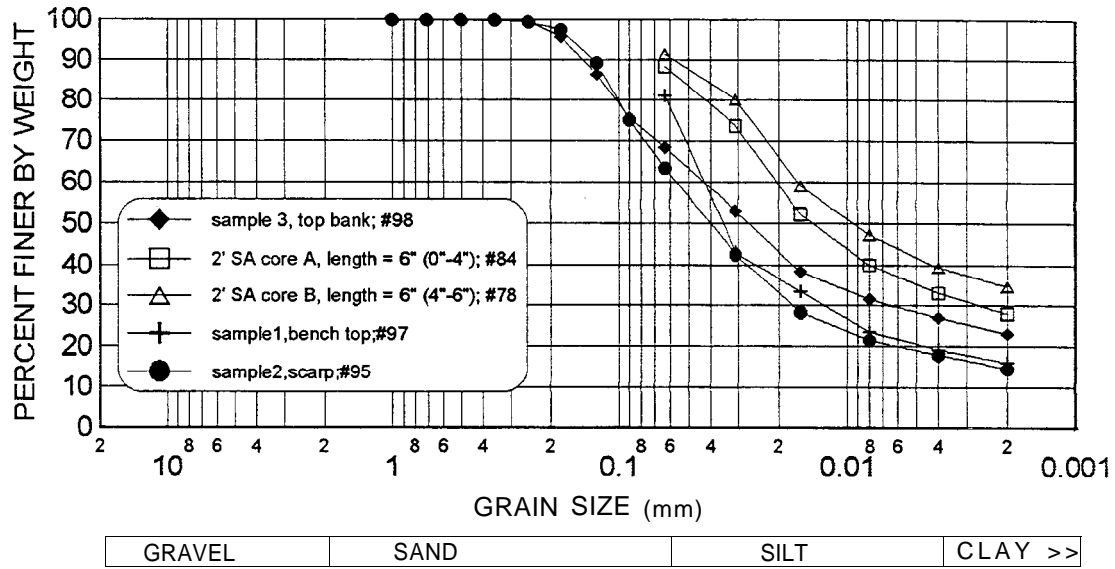
River: ILWW Bank: RDB (core samples from mp)
 Site No: 18 Pool: La Grange
 RM: 94.2 Sample No: 86,89,87



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

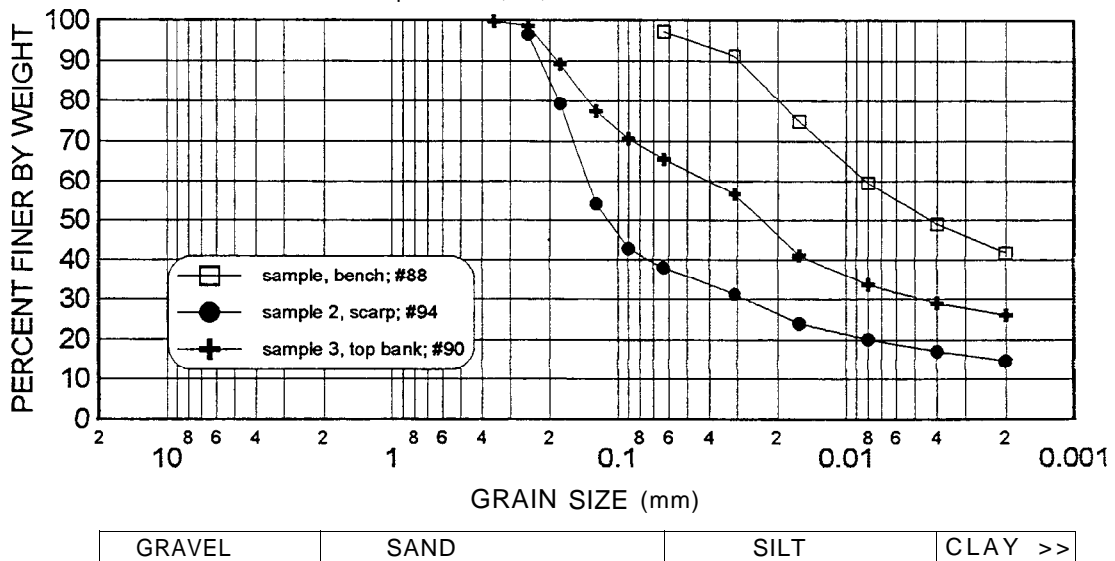
River: ILWW
Site No: 19
RM: 91.2

Bank: RDB (core and surfaces samples from mp)
Pool: La Grange
Sample No: 98,84,78,97,95



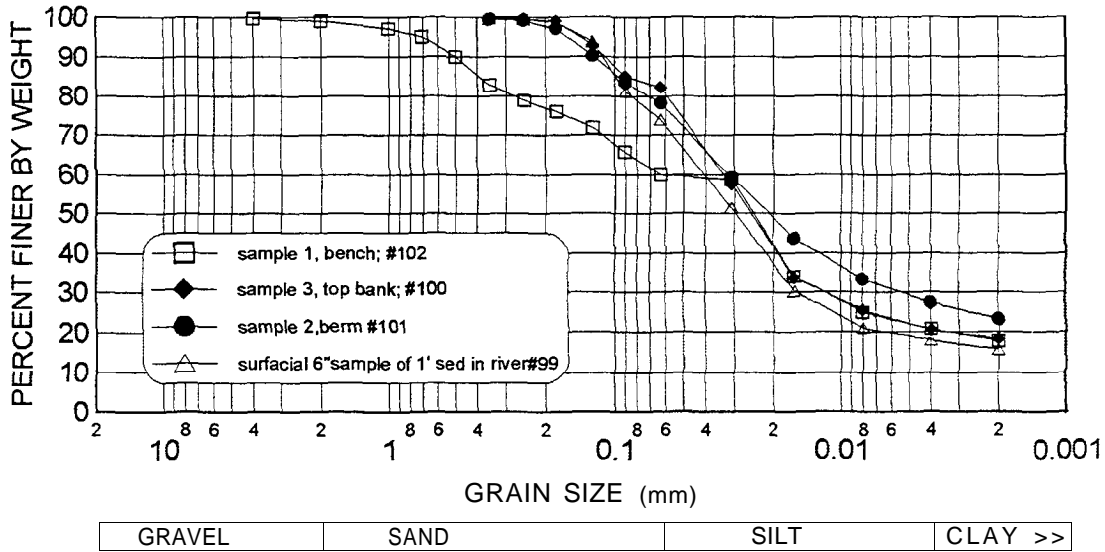
River: ILWW
Site No: 20
RM: 79.4

Bank: RDB (mp)
Pool: La Grange
Sample No: 88, 94, 90

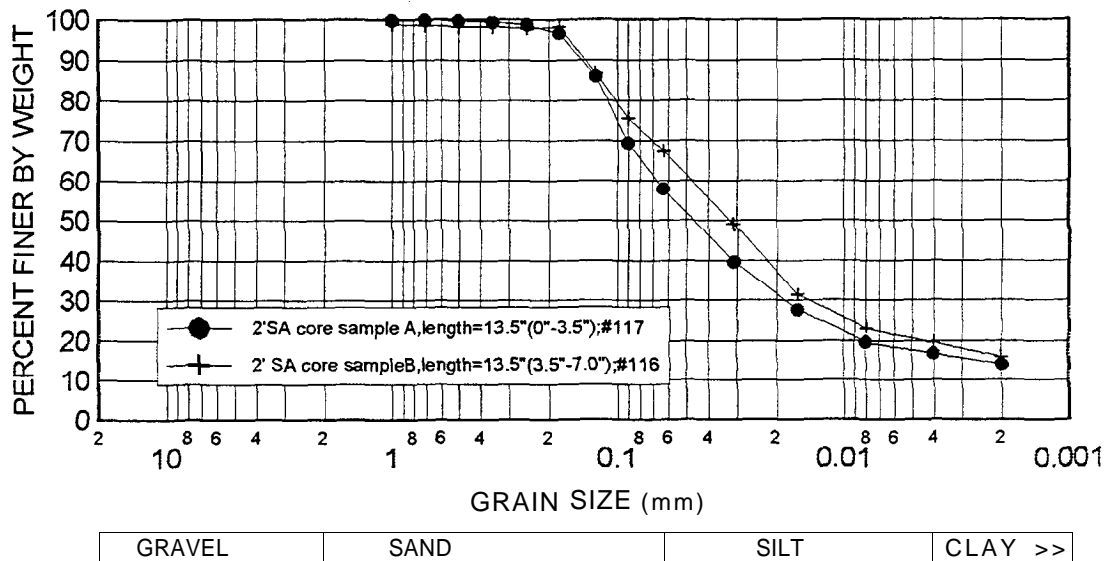


ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

River: ILWW Bank: RDB (mp,dn)
 Site No: 21 Pool: Alton
 RM: 61.7 Sample No: 102,101,100,99



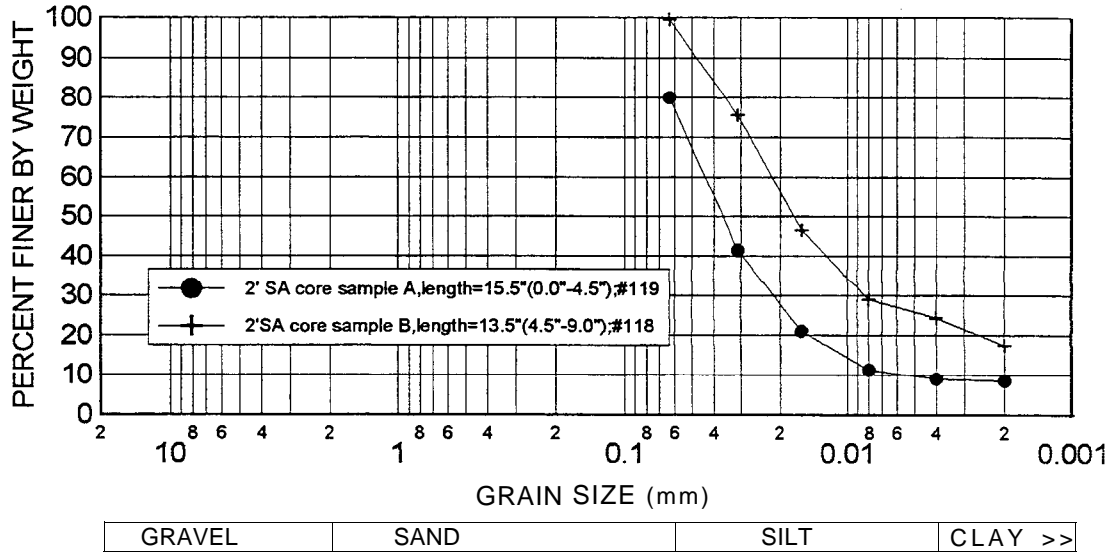
River: ILWW Bank: RDB (core samples from dn)
 Site No: 21 Pool: Alton
 RM: 61.5 Sample No: 117,116



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

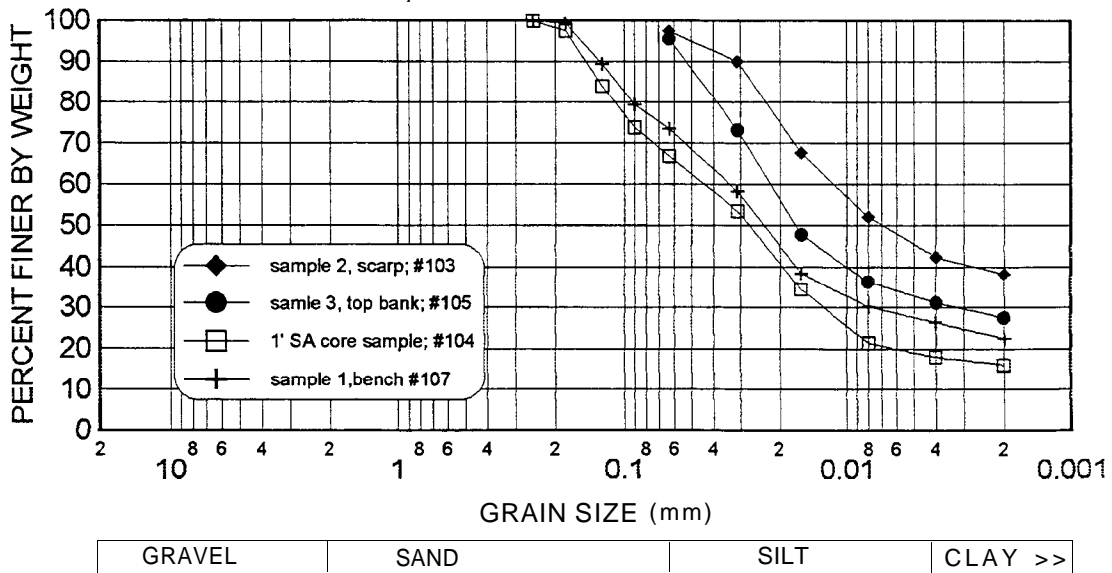
River: ILWW
Site No: 22
RM: 45.1

Bank: RDB (mp,up)
Pool: Alton
Sample No: 119, 118



River: ILWW
Site No: 22
RM: 45.1

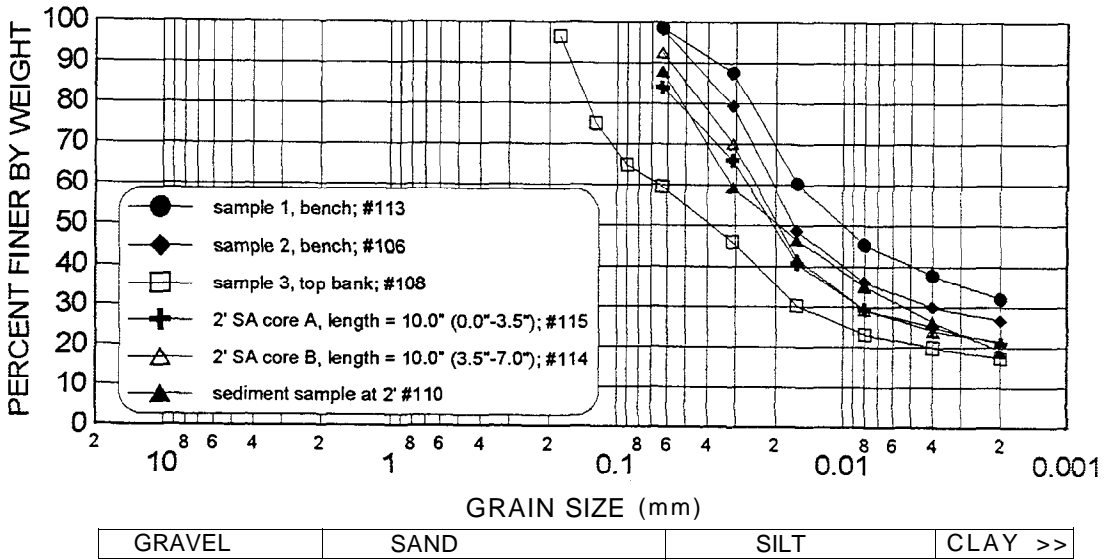
Bank: RDB (core and surface samples from up and mp)
Pool: Alton
Sample No: 107,103,105,104



ILLINOIS STATE WATER SURVEY BANK EROSION STUDY 1995

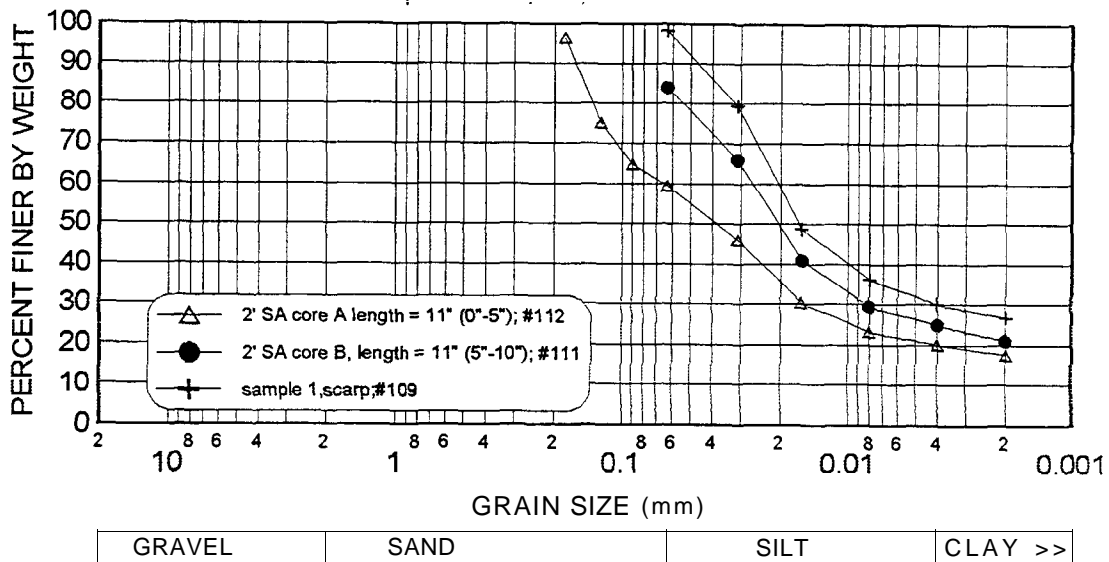
River: ILWW
Site No: 23
RM: 23.4

Bank: RDB (core and surface samples from mp)
Pool: Alton
Sample No: 113,106,108,115,114,110



River: ILWW
Site No: 24
RM: 13.0

Bank: LDB (core samples from mp)
Pool: Alton
Sample No: 112,111,109



**Appendix C. Cross Section and Corresponding UTM Coordinates
of Selected Sites on the Illinois River**

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

UP1 and UP2 RM 270.8 RDB

	NORTH	EAST	OPPOSITE
ILRUP 1-1 MIDPOINT BANK PROFILE	4583560.1	391640.4	ILRUP1-2
ILRUP 1-2 MIDPOINT PROFILE/OPPOSITE	4583366.4	391694.5	ILRUP1-1

Channel Profile Endpoints at Sites #Up1and #UP2

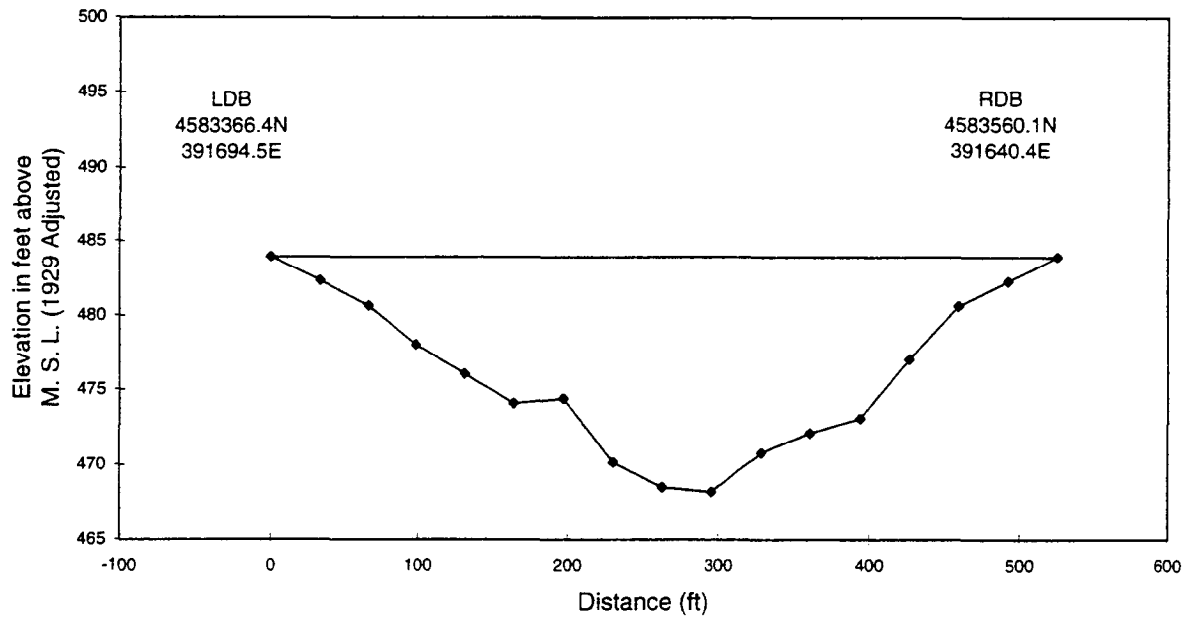
- (A) MIDPOINT CHANNEL PROFILE (From: ILRUP1-2 To: ILRUP1-1)
 Cross Section Length ~ 160m (524.9ft)

Midpoint Channel Profile RM270.3

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0	483.9	0
10	32.8	482.3	0.5
20	65.6	480.6	1
30	98.4	478.0	1.8
40	131.2	476.0	2.4
50	164.0	474.1	3
60	196.8	474.4	2.9
70	229.7	470.1	4.2
80	262.5	468.5	4.7
90	295.3	468.2	4.8
100	328.1	470.8	4
110	360.9	472.1	3.6
120	393.7	473.1	3.3
130	426.5	477.0	2.1
140	459.3	480.6	1
150	492.1	482.3	0.5
160	524.9	483.9	0

Illinois River Waterway
Site UP1 and UP2 RM270.3

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #UP3 RM264.3 LDB

	NORTH	EAST	OPPOSITE
ILRUP3-1 UPSTREAM SITE LIMIT	4579447.5	382564.0	N/A
ILRUP3-2 UPSTREAM BANK PROFILE	4579431.0	382534.5	N/A
ILRUP3-3 MIDPOINT BANK PROFILE	4579403.0	382481.9	ILRUP3-6
ILRUP3-4 DOWNSTREAM BANK PROFILE	4579365.5	382413.2	N/A
ILRUP3-5 DOWNSTREAM SITE LIMIT	4579336.0	382349.9	N/A
ILRUP3-6 MIDPOINT PROFILE/OPPOSITE	4579571.6	382411.7	ILRUP3-3

Channel Profile Endpoints at Site #UP3

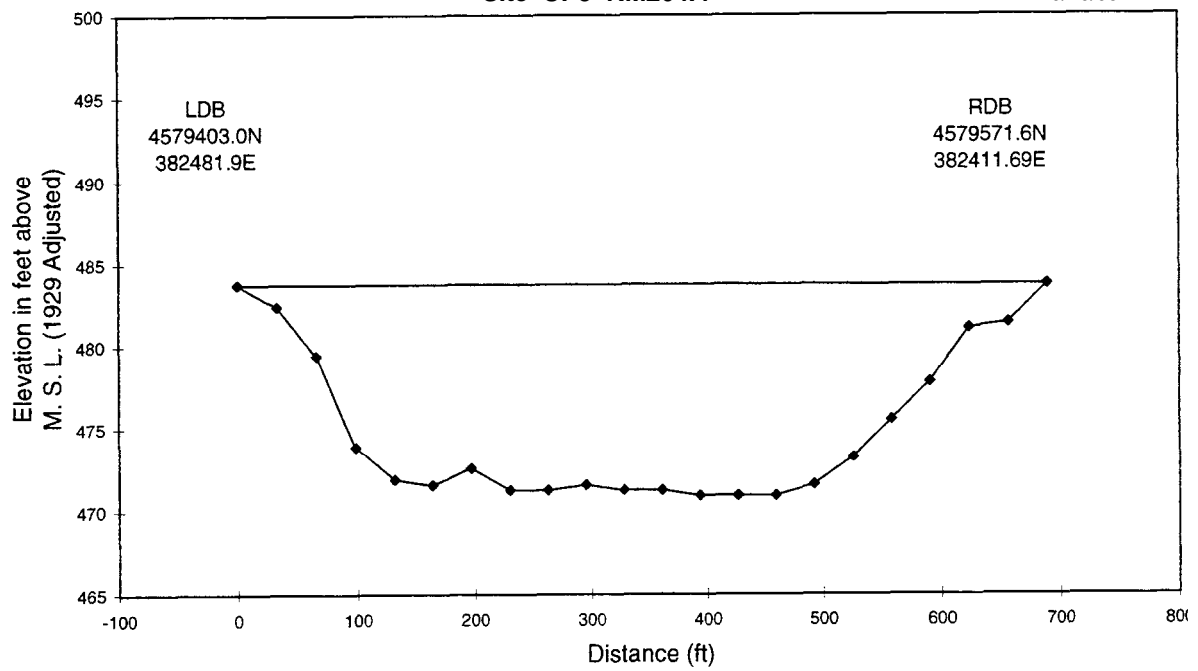
(A) MIDPOINT CHANNEL PROFILE (From ILRUP3-3 to ILRUP3-6)
 Cross section length ~211 m (692.2ft)

Midpoint Channel Profile RM264.3

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	483.7	0
10	32.8	482.4	0.4
20	65.6	479.4	1.3
30	98.4	473.9	3
40	131.2	471.9	3.6
50	164.0	471.6	3.7
60	196.8	472.5	3.4
70	229.7	471.2	3.8
80	262.5	471.2	3.8
90	295.3	471.6	3.7
100	328.1	471.2	3.8
110	360.9	471.2	3.8
120	393.7	470.9	3.9
130	426.5	470.9	3.9
140	459.3	470.9	3.9
150	492.1	471.6	3.7
160	524.9	473.2	3.2
170	557.7	475.5	2.5
180	590.5	477.8	1.8
190	623.4	481.1	0.8
200	656.2	481.4	0.7
210	689.0	483.7	0

Illinois River Waterway
Site UP3 RM264.4

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #UP4 and #UP5 RM262.2 LDB

	NORTH	EAST	OPPOSITE
ILRUP4-1 UPSTREAM SITE LIMIT	4578428.5	379478.2	N/A
ILRUP4-2 UPSTREAM BANK PROFILE	4578422.6	379360.6	N/A
ILRUP4-3 MIDPOINT BANK PROFILE	4578414.3	379101.9	ILRUP4-6
ILRUP4-4 DOWNSTREAM BANK PROFILE	4578407.7	379007.4	N/A
ILRUP4-5 DOWNSTREAM SITE LIMIT	4578397.3	378915.2	N/A
ILRUP4-6 MIDPOINT PROFILE/OPPOSITE	4578598.0	379069.4	ILRUP4-3

Channel Profile Endpoints at SITES #UP4 and #UP5

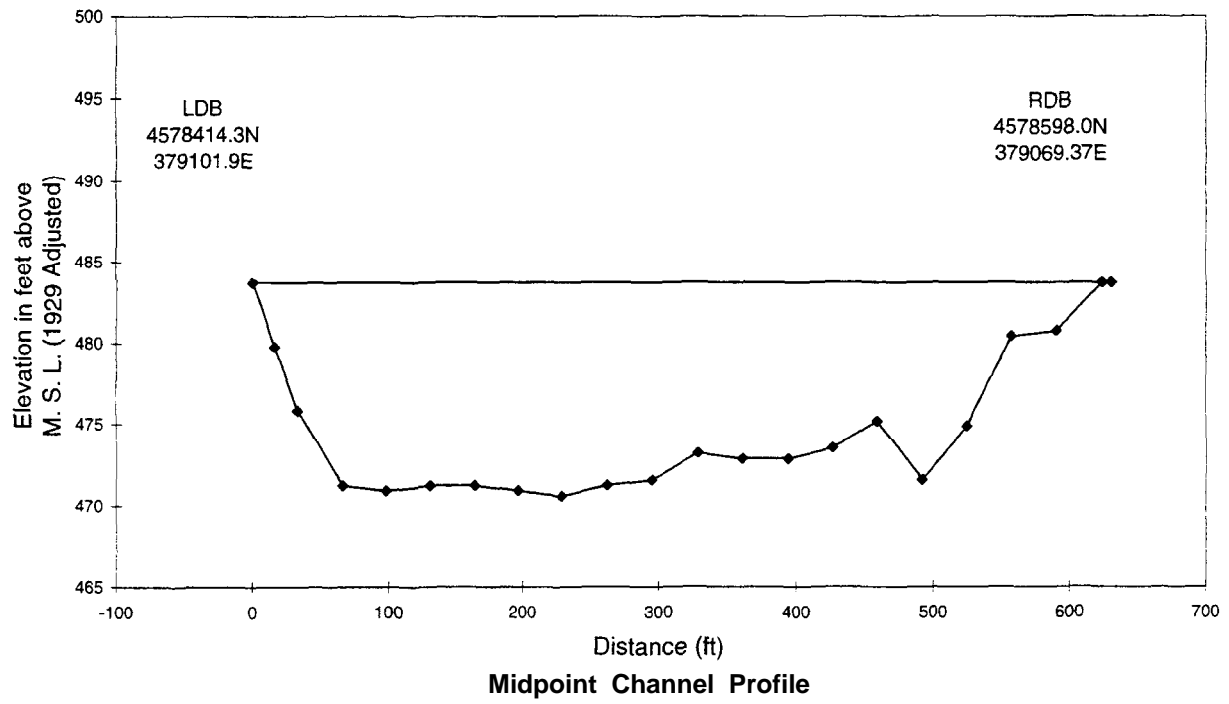
(A) MIDPOINT CHANNEL PROFILE (From: ILRUP4-3 To: ILRUP4-6)
 Cross Section Length ~ 192m (433.4ft)

Midpoint Channel Profile RM262.2

Distance (m)	Distance (ft)	Depth Elevaton	Depth (m)
0	0.0	483.7	0.0
5	16.4	479.8	1.2
10	32.8	475.8	2.4
20	65.6	471.2	3.8
30	98.4	470.9	3.9
40	131.2	471.2	3.8
50	164.0	471.2	3.8
60	196.8	470.9	3.9
70	229.7	470.6	4.0
80	262.5	471.2	3.8
90	295.3	471.6	3.7
100	328.1	473.2	3.2
110	360.9	472.9	3.3
120	393.7	472.9	3.3
130	426.5	473.5	3.1
140	459.3	475.2	2.6
150	492.1	471.6	3.7
160	524.9	474.8	2.7
170	557.7	480.4	1.0
180	590.5	480.7	0.9
190	623.4	483.7	0
192	629.9	483.7	0

Illinois River Waterway
Site #UP4 and #UP5 RM262.2

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Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #1 RM243.1 LDB

		NORTH	EAST	OPPOSITE
ILR1-1	UPSTREAM BANK PROFILE	4577258.3	351053.5	N/A
ILR1 -2	MIDPOINT BANK PROFILE	4577495.6	350741.4	ILR1-3
ILR1 -3	MIDPOINT PROFILE/OPPOSITE	4577617.4	350894.5	ILR1-2

Channel Profile Endpoints at Site #1

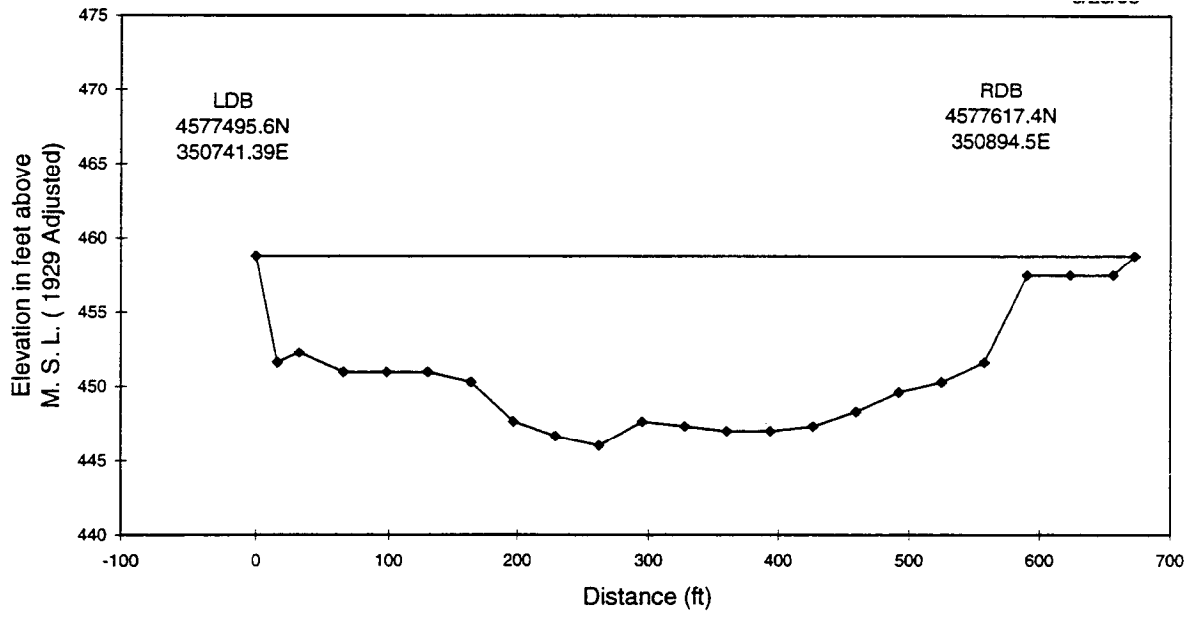
- (A) MIDPOINT CHANNEL PROFILE (From: ILR1 -2 To: ILR1-3)
 Cross Section Length ~205m (672.6ft)

Midpoint Channel Profile RM243.1

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	458.8	0
5	16.4	451.6	2.2
10	32.8	452.2	2
20	65.6	450.9	2.4
30	98.4	450.9	2.4
40	131.2	450.9	2.4
50	164.0	450.3	2.6
60	196.8	447.6	3.4
70	229.7	446.7	3.7
80	262.5	446.0	3.9
90	295.3	447.6	3.4
100	328.1	447.3	3.5
110	360.9	447.0	3.6
120	393.7	447.0	3.6
130	426.5	447.3	3.5
140	459.3	446.3	3.2
150	492.1	449.6	2.8
160	524.9	450.3	2.6
170	557.7	451.6	2.2
180	590.5	457.5	0.4
190	623.4	457.5	0.4
200	656.2	457.5	0.4
205	672.6	458.8	0

Illinois River Waterway
Site #1 RM243.1

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #2 RM243.5 LBD

		NORTH	EAST	OPPOSITE
ILR2-1	MIDPOINT BANK PROFILE	4577241.0	351073.2	ILR2-2
ILR2-2	MIDPOINT PROFILE/OPPOSITE	4577442.1	351146.3	ILR2-1

Channel Profile Endpoints at Site #2

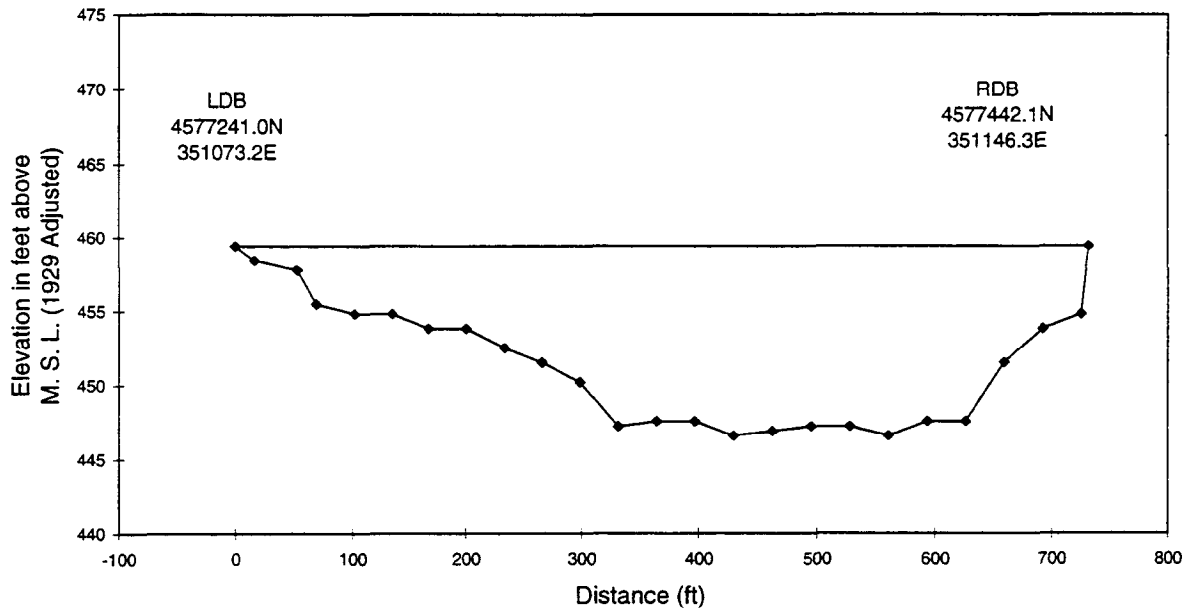
- (A) MIDPOINT CHANNEL PROFILE (From: ILR2-1 To ILR2-2)
 Cross Section Length ~223m (731.6ft)

Midpoint Channel Profile RM243.5

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	459.4	0
5	16.4	458.4	0.3
16	52.5	457.8	0.5
21	68.9	455.5	1.2
31	101.7	454.8	1.4
41	134.5	454.8	1.4
51	167.3	453.8	1.7
61	200.1	453.8	1.7
71	232.9	452.5	2.1
81	265.7	451.5	2.4
91	298.6	450.2	2.8
101	331.4	447.3	3.7
111	364.2	447.6	3.6
121	397.0	447.6	3.6
131	429.8	446.6	3.9
141	462.6	446.9	3.8
151	495.4	447.3	3.7
161	528.2	447.3	3.7
171	561.0	446.6	3.9
181	593.8	447.6	3.6
191	626.6	447.6	3.6
201	659.4	451.5	2.4
211	692.2	453.8	1.7
221	725.1	454.8	1.4
223	731.6	459.4	0

Illinois River Waterway
Site #2 RM243.5

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #3 RM235.7 RDB

		NORTH	EAST	OPPOSITE
ILR3-1	UPSTREAM BANK PROFILE	4576162.3	340784.5	N/A
ILR3-2	MIDPOINT BANK PROFILE	4576152.8	340696.9	ILR3-4
ILR3-3	DOWNSTREAM BANK PROFILE	4576153.5	340557.6	N/A
ILR3-4	MIDPOINT PROFILE/OPPOSITE	4575972.8	340702.7	ILR3-2

Channel Profile Endpoints at Site #3

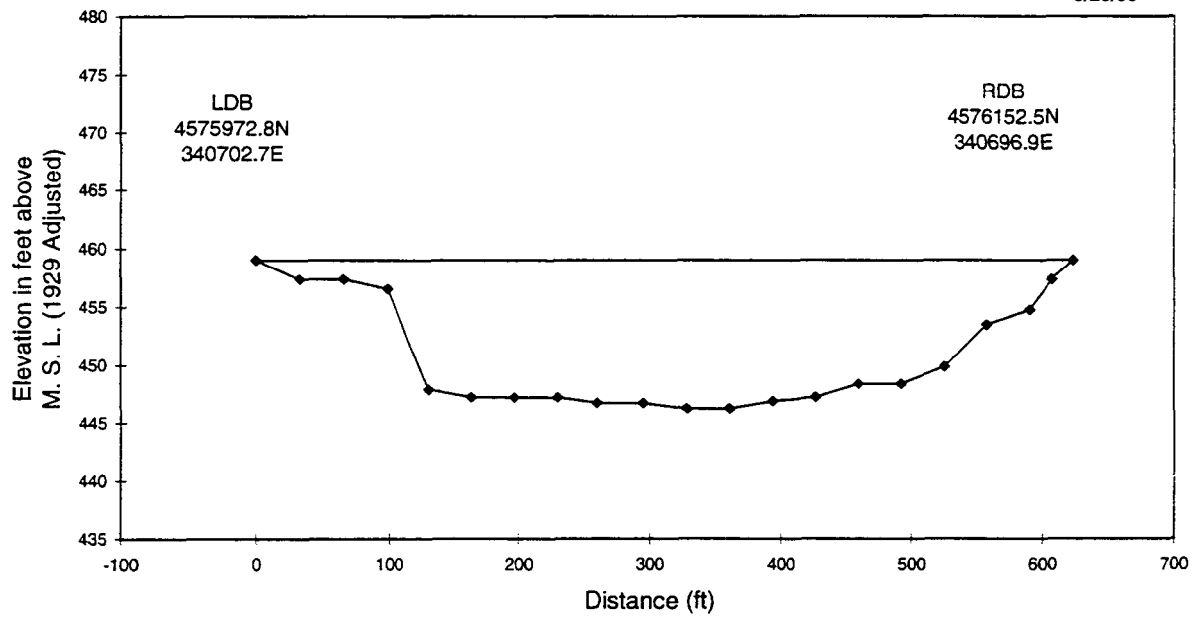
(A) MIDPOINT CHANNEL PROFILE (From: ILR3-4 To: ILR3-2)
 Cross Section Length ~ 190m (623.4 ft)

Midpoint Channel Profile RM235.7

Distance	Distance	Depth	Depth
(m)	(ft)	Elevation	(m)
0	0.0	459.0	0
10	32.8	457.4	0.5
20	65.6	457.4	0.5
30	98.4	456.5	0.75
40	131.2	447.8	3.4
50	164.0	447.2	3.6
60	196.8	447.2	3.6
70	229.7	447.2	3.6
80	260.0	446.7	3.75
90	295.3	446.7	3.75
100	328.1	446.2	3.9
110	360.9	446.2	3.9
120	393.7	446.9	3.7
130	426.5	447.2	3.6
140	459.3	448.3	3.25
150	492.1	448.3	3.25
160	524.9	449.8	2.8
170	557.7	453.4	1.7
180	590.5	454.7	1.3
185	606.9	457.4	0.5
190	623.4	459.0	0

Illinois River Waterway
Site #3 RM235.7

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #4 RM228.0 LDB

		NORTH	EAST	OPPOSITE
ILR4-1	UPSTREAM BANK PROFILE	4576201.9	329394.2	N/A
ILR4-2	MIDPOINT BANK PROFILE	4576183.1	329198.4	ILR4-4
ILR4-3	DOWNSTREAM BANK PROFILE	4576184.0	329002.3	N/A
ILR4-4	MIDPOINT PROFILE/OPPOSITE	4576184.0	329118.1	ILR4-2

Channel Profile Endpoints at Site #4

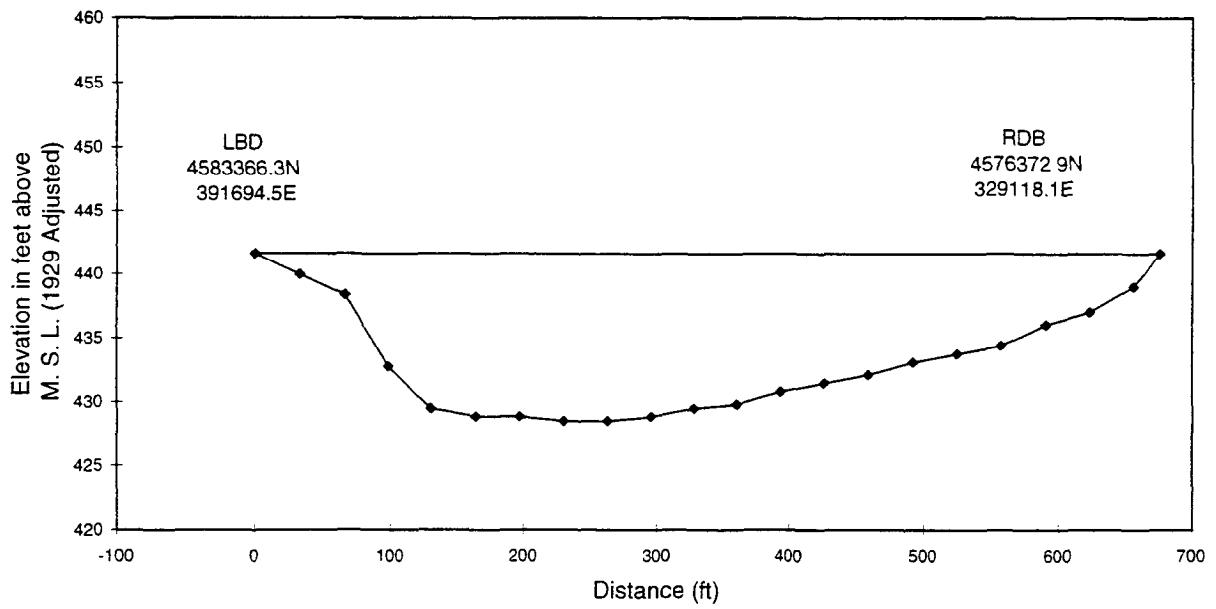
(A) MIDPOINT CHANNEL PROFILE (From: ILR4-2 To: ILR4-4)
 Cross Section Length ~ 206m (675.8 ft)

Midpoint Channel Profile RM228.0

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	441.6	0
10	32.8	440.0	0.5
20	65.6	438.3	1
30	98.4	432.7	2.7
40	131.2	429.5	3.7
50	164.0	428.8	3.9
60	196.8	428.8	3.9
70	229.7	428.5	4
80	262.5	428.5	4
90	295.3	428.8	3.9
100	328.1	429.5	3.7
110	360.9	429.8	3.6
120	393.7	430.8	3.3
130	426.5	431.4	3.1
140	459.3	432.1	2.9
150	492.1	433.1	2.6
160	524.9	433.7	2.4
170	557.7	434.4	2.2
180	590.5	436.0	1.7
190	623.4	437.0	1.4
200	656.2	439.0	0.8
206	675.8	441.6	0

Illinois River Waterway
Site #4 RM228.0

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #5 RM228.75 RDB

		NORTH	EAST	OPPOSITE
ILR5-1	UPSTREAM BANK PROFILE	4576590.3	329950.4	N/A
ILR5-2	MIDPOINT BANK PROFILE	4576562.9	329841.9	ILR5-4
ILR5-3	DOWNSTREAM BANK PROFILE	4576472.9	329615.9	N/A
ILR5-4	MIDPOINT PROFILE/OPPOSITE	4576328.0	329902.0	ILR5-2

Channel Profile Endpoints at Site #5

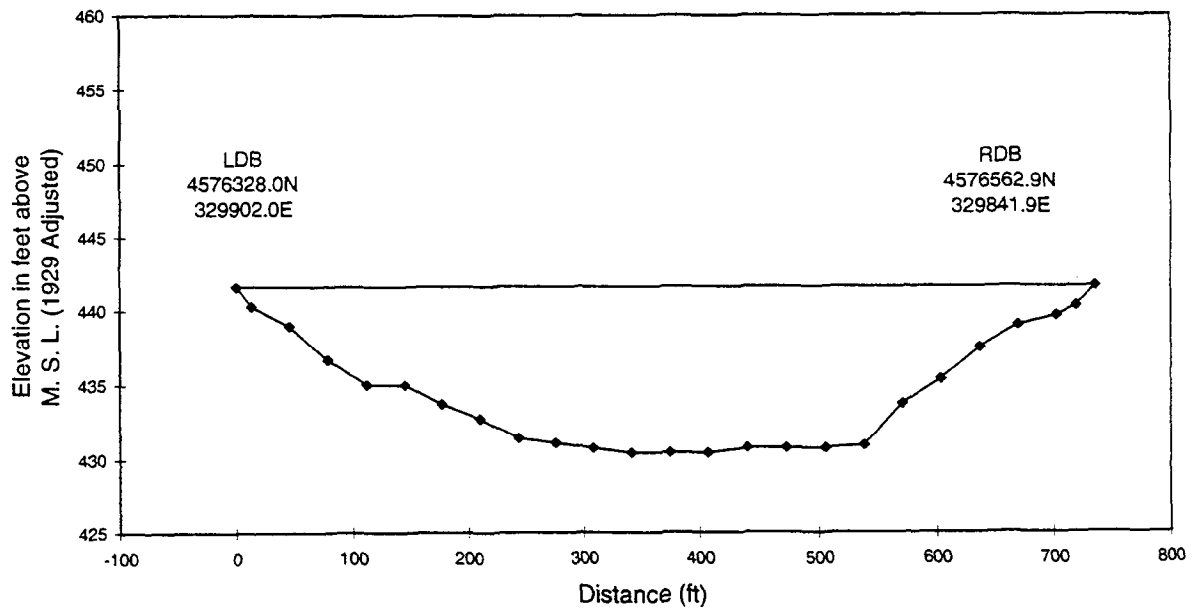
(A) MIDPOINT CHANNEL PROFILE (From: ILR5-4 To: ILR5-2)
 Cross Section Length ~ 224m (734.9 ft)

Midpoint Channel Profile RM228.75

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	441.6	0
4	13.1	440.3	0.4
14	45.9	439.0	0.8
24	78.7	436.7	1.5
34	111.5	435.0	2
44	144.4	435.0	2
54	177.2	433.7	2.4
64	210.0	432.7	2.7
74	242.8	431.4	3.1
84	275.6	431.1	3.2
94	308.4	430.8	3.3
104	341.2	430.4	3.4
114	374.0	430.4	3.4
124	406.8	430.4	3.4
134	439.6	430.8	3.3
144	472.4	430.8	3.3
154	505.2	430.8	3.3
164	538.1	430.9	3.25
174	570.9	433.7	2.4
184	603.7	435.4	1.9
194	636.5	437.5	1.25
204	669.3	439.0	0.8
214	702.1	439.6	0.6
219	718.5	440.3	0.4
224	734.9	441.6	0s

Illinois River Waterway
Site #5 RM228.75

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #6 RM210.0 RDB		NORTH	EAST	OPPOSITE
ILR6-1	UPSTREAM BANK PROFILE	4573586.1	303867.0	ILR6-4
ILR6-2	MIDPOINT BANK PROFILE	4573353.5	303968.9	ILR6-5
ILR6-3	DOWNSTREAM BANK PROFILE	4573064.0	304100.8	N/A
ILR6-4	UPSTREAM PROFILE/OPPOSITE	4573644.0	303992.0	ILR6-1
ILR6-5	MIDPOINT PROFILE/OPPOSITE	4573417.0	304113.0	ILR6-2

Channel Profile Endpoints at Site #6

(A) UPSTREAM CHANNEL PROFILE (From:ILR6-4 To:ILR6-1)

Cross Section Length ~148m (485.6ft)

(B) MIDPOINT CHANNEL PROFILE (From: ILR6-5 To: ILR6-2)

Cross Section Length ~165m (541.3ft.)

Upstream Channel Profile RM210.0

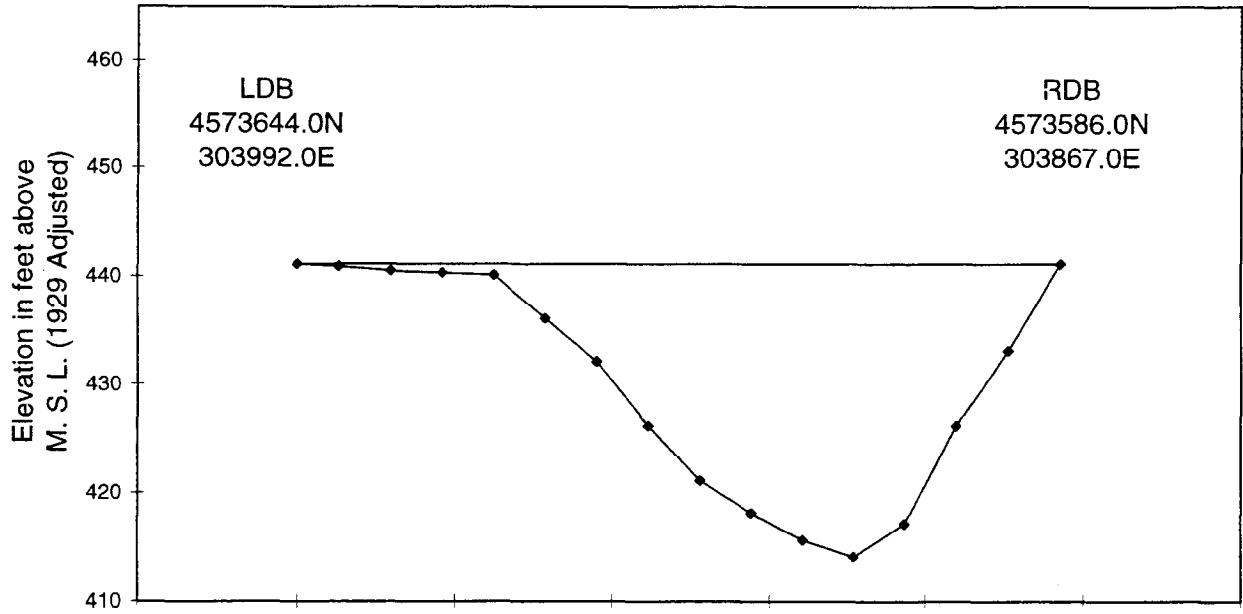
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	441.1	0.0
8	26.2	440.9	0.1
18	59.1	440.5	0.2
28	91.9	440.3	0.2
38	124.7	440.1	0.3
48	157.5	436.1	1.5
58	190.3	432.1	2.7
68	223.1	426.1	4.6
78	255.9	421.1	6.1
88	288.7	418.1	7.0
98	321.5	415.6	7.8
108	354.3	414.0	8.3
118	387.1	417.1	7.3
128	419.9	426.1	4.6
138	452.8	433.1	2.4
148	485.6	441.1	0.0

Midpoint Channel Profile RM210.0

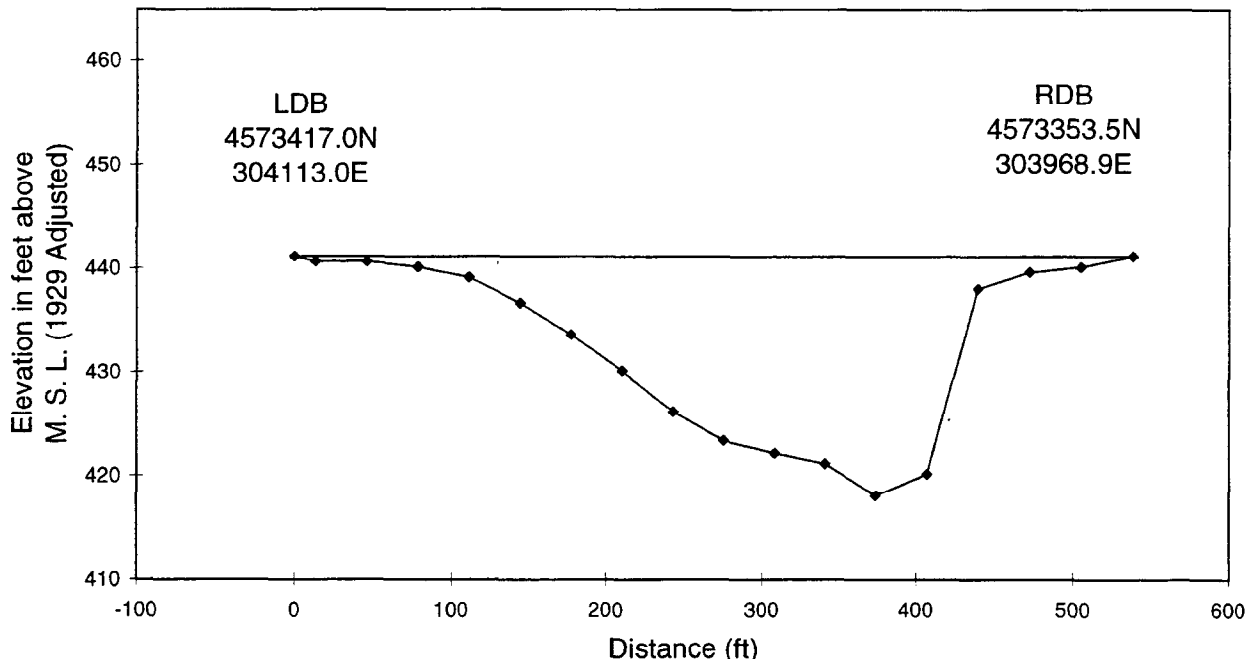
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	441.1	0.0
4	13.1	440.6	0.2
14	45.9	440.6	0.2
24	78.7	440.1	0.3
34	111.5	439.1	0.6
44	144.4	436.6	1.4
54	177.2	433.6	2.3
64	210.0	430.1	3.4
74	242.8	426.1	4.6
84	275.6	423.3	5.4
94	308.4	422.1	5.8
104	341.2	421.1	6.1
114	374.0	418.1	7.0
124	406.8	420.1	6.4
134	439.6	438.0	0.9
144	472.4	439.6	0.5
154	505.2	440.1	0.3
164	538.1	441.1	0.0

**Illinois River Waterway
Site #6 RM210.0**

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A. Upstream Channel Profile



11B. Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #7 RM204.0 LDB		NORTH	EAST	OPPOSITE
ILR7-1	UPSTREAM BANK PROFILE	4564680.0	303515.4	N/A
ILR7-2	MIDPOINT BANK PROFILE	4564485.4	303604.8	ILR7-4
ILR7-3	DOWNSTREAM PROFILE	4564379.3	303656.6	N/A
ILR7-4	MIDPOINT PROFILE/OPPOSITE	4564396.0	303419.6	ILR7-2

Channel Profile Endpoints at Site# 7

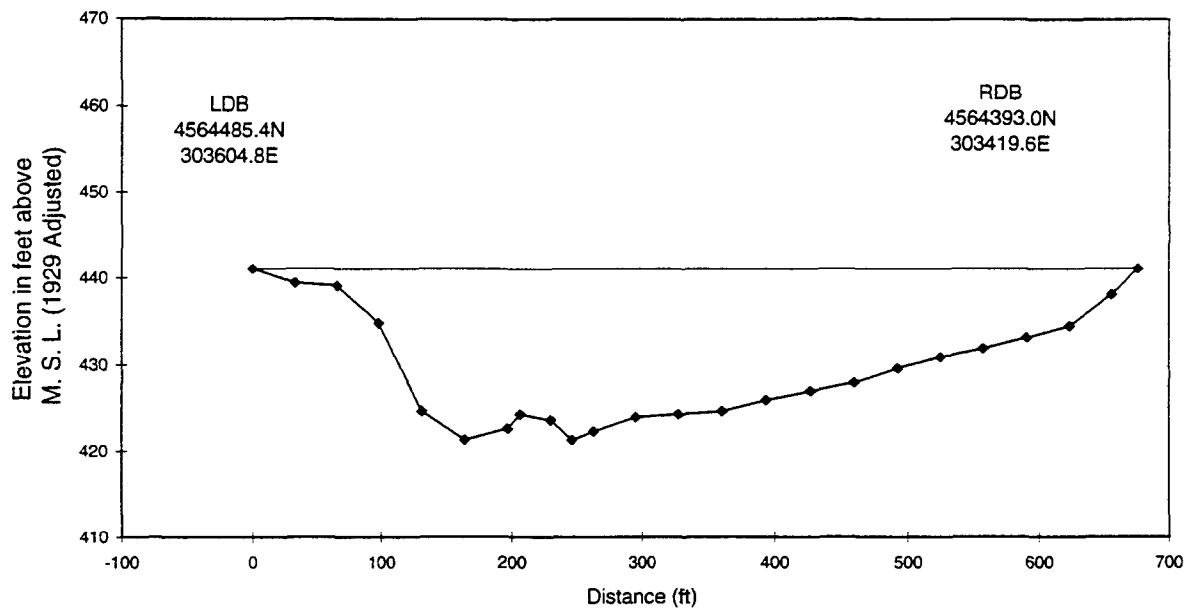
- (A) MIDPOINT CHANNEL PROFILE (From: ILR-2 To: ILR7-4)
 Cross section length ~206m (675.8ft)

Midpoint Channal Profile RM204.0

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	441.1	0
10	32.8	439.5	0.5
20	65.6	439.1	0.6
30	98.4	434.9	1.9
40	131.2	424.7	5
50	164.0	421.4	6
60	196.8	422.7	5.6
63	206.7	424.4	5.1
70	229.7	423.7	5.3
75	246.1	421.4	6
80	262.5	422.4	5.7
90	295.3	424.0	5.2
100	328.1	424.4	5.1
110	360.9	424.7	5
120	393.7	426.0	4.6
130	426.5	427.0	4.3
140	459.3	428.0	4
150	492.1	429.6	3.5
160	524.9	430.9	3.1
170	557.7	431.9	2.8
180	590.5	433.2	2.4
190	623.4	434.5	2
200	656.2	438.1	0.9
206	675.8	441.1	0

Illinois River Waterway
Site #7 Rm204.0

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #8 RM184.8 LDB

		NORTH	EAST	OPPOSITE
ILR8-1	UPSTREAM BANK PROFILE	4538463.5	294101.9	N/A
ILR8-2	MIDPOINT BANK PROFILE	4538140.8	294026.5	ILR8-4
ILR8-3	DOWNSTREAM BANK PROFILE	4538038.0	293778.9	N/A
ILR8-4	MIDPOINT PROFILE/OPPOSITE	4536174.0	293778.9	ILR8-2

Channel Profile Endpoints at Site#8

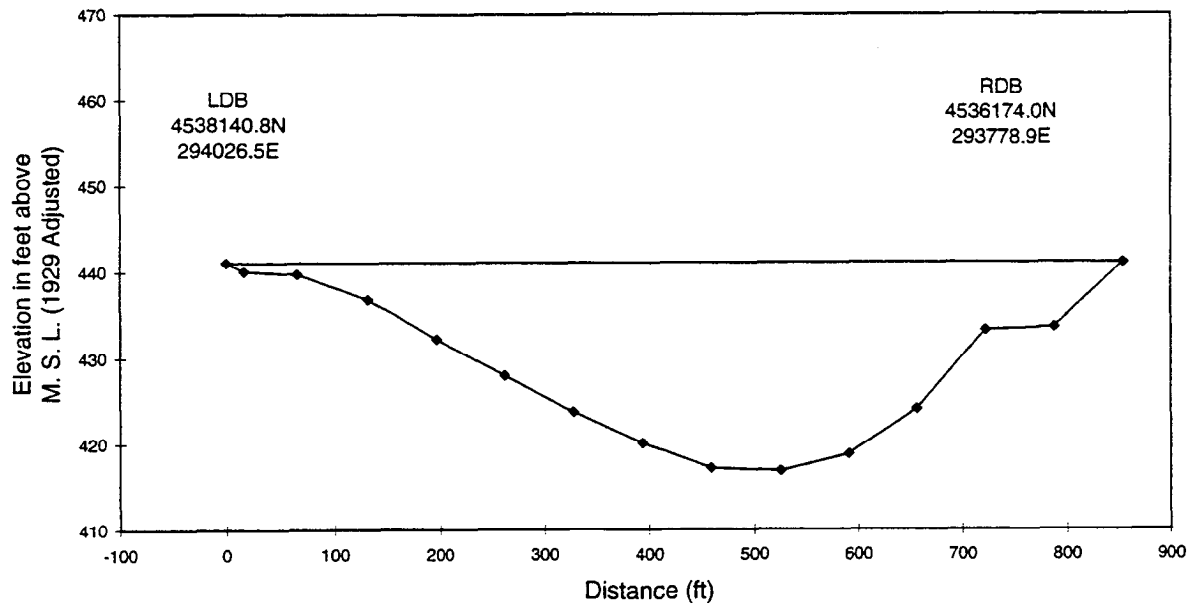
(A) MIDPOINT CHANNEL PROFILE (From: ILR8-2 To: ILR8-4)
 Cross Section Length ~ 260m (853ft)

Midpoint Channel Profile RM184.4

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	441.1	0
5	16.4	440.1	0.3
20	65.6	439.8	0.4
40	131.2	436.8	1.3
60	196.8	432.2	2.7
80	262.5	428.0	4
100	328.1	423.7	5.3
120	393.7	420.1	6.4
140	459.3	417.2	7.3
160	524.9	416.8	7.4
180	590.5	418.8	6.8
200	656.2	424.0	5.2
220	721.8	433.2	2.4
240	787.4	433.6	2.3
260	853.0	441.1	0

Illinois River Waterway
Site #8 RM184.4

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #9 RM180.0 LDB

		NORTH	EAST	OPPOSITE
ILR9-1	UPSTREAM BANK PROFILE	4531428.2	290712.0	N/A
ILR9-2	MIDPOINT BANK PROFILE	4531241.3	290623.2	ILR9-4
ILR9-3	DOWNSTREAM BANK PROFILE	4531100.5	290573.4	N/A
ILR9-4	MIDPOINT PROFILE/OPPOSITE	4531326.9	290432.8	ILR9-2

Channel Profile Endpoints at Site#9

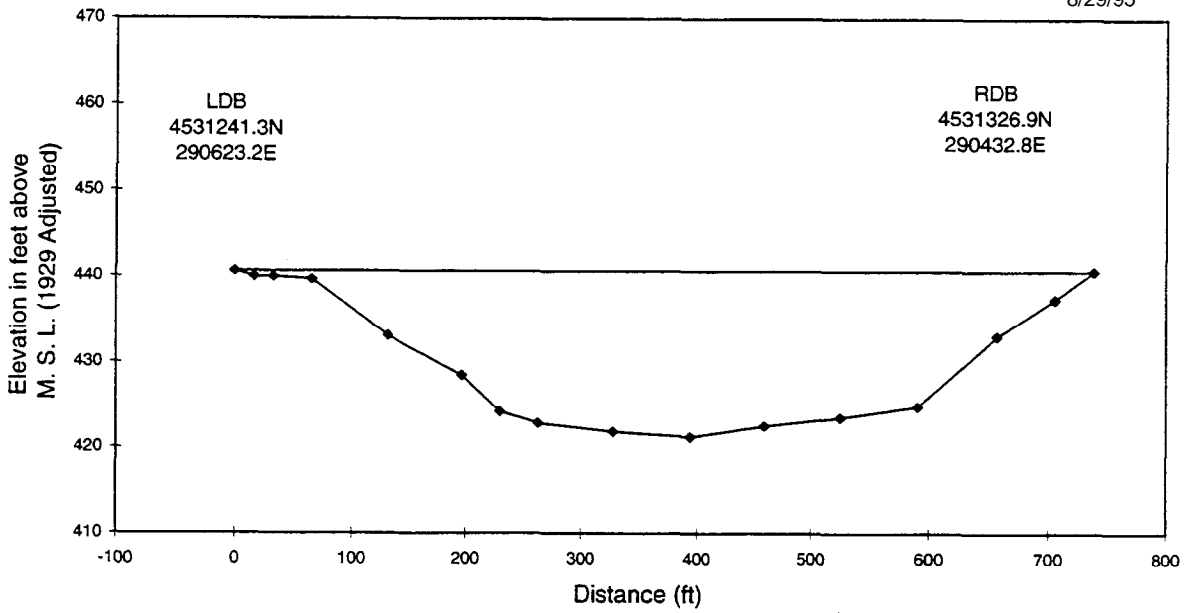
- (A) MIDPOINT CHANNEL PROFILE (From: ILR9-2 To:ILR9-4)
 Cross Section Length ~225m (738.18ft)

Midpoint Channel Profile RM180.0

Distance (m)	Distance (m)	Depth Elevation	Depth (m)
0	0.0	440.6	0
5	16.4	439.9	0.2
10	32.8	439.9	0.2
20	65.6	439.6	0.3
40	131.2	433.1	2.3
60	196.8	428.5	3.7
70	229.7	424.2	5
80	262.5	422.9	5.4
100	328.1	421.9	5.7
120	393.7	421.2	5.9
140	459.3	422.6	5.5
160	524.9	423.5	5.2
180	590.5	424.9	4.8
200	656.2	433.1	2.3
215	705.4	437.3	1
225	738.2	440.6	0

Illinois River Waterway
Site #9 RM180.0

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #10 RM160.0 RDB		NORTH	EAST	OPPOSITE
ILR10-1	UPSTREAM BANK PROFILE	4503931.6	278707.8	N/A
ILR10-2	MIDPOINT BANK PROFILE	4503891.9	278717.2	ILR10-4
ILR10-3	DOWNSTREAM BANK PROFILE	4503756.5	278782.8	N/A
ILR10-4	MIDPOINT PROFILE/OPPOSITE	4504001.4	278967	ILR10-2

Channel Profile Endpoints

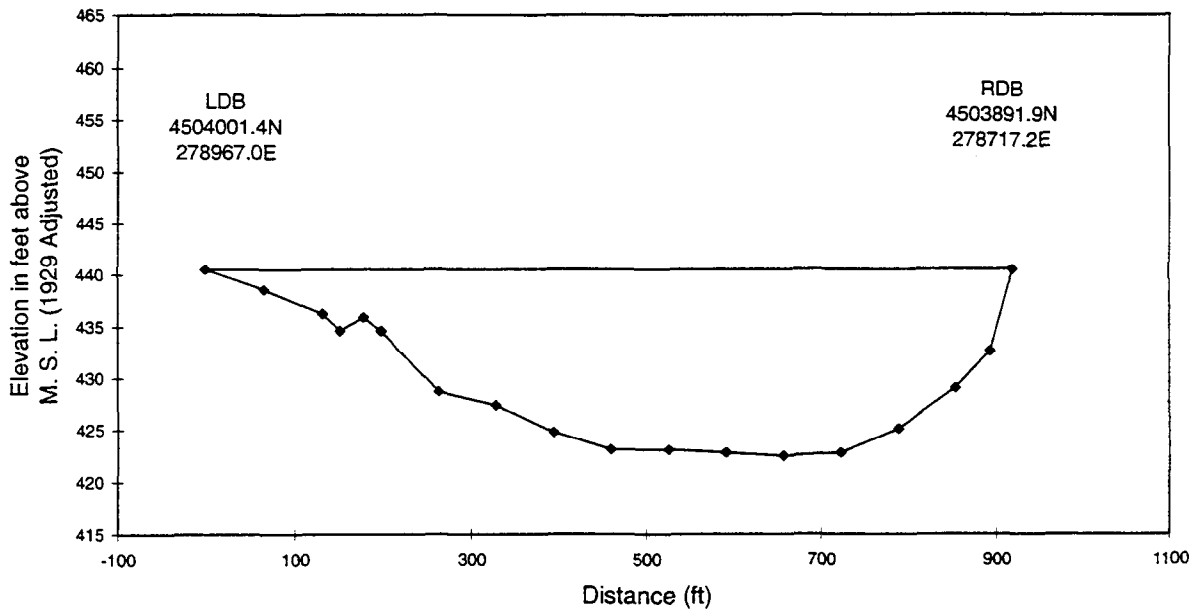
- (A) MIDPOINT CHANNEL PROFILE (From: ILR10-4 To: ILR10-2)
 Cross Section Length~280m (918.6ft)

Midpoint Channel Profile RM160.0

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	440.5	0
20	65.6	438.5	0.6
40	131.2	436.2	1.3
46	150.9	434.6	1.8
54	177.2	435.9	1.4
60	196.8	434.6	1.8
80	262.5	428.7	3.6
100	328.1	427.4	4
120	393.7	424.8	4.8
140	459.3	423.1	5.3
160	524.9	423.1	5.3
180	590.5	422.8	5.4
200	656.2	422.5	5.5
220	721.8	422.8	5.4
240	787.4	425.1	4.7
260	853.0	429.0	3.5
272	892.4	432.6	2.4
280	918.6	440.5	0

Illinois River Waterway
Site #10 RM160.0

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #11 RM155.3 RDB

		NORTH	EAST	OPPOSITE
ILR11-1	UPSTREAM SITE LIMIT	4498857.0	275633.8	ILR11-6
ILR11-2	UPSTREAM BANK PROFILE	4498772.5	275555.5	N/A
ILR11-3	MIDSTREAM BANK PROFILE	4498517.0	275333.0	ILR11-7
ILR11-4	DOWNSTREAM BANK PROFILE	4498238.0	275131.0	N/A
ILR11-5	DOWNSTREAM SITE LIMIT	4498155.0	275081.0	N/A
ILR11-6	UPSTREAM SITE LIMIT	4497410.4	274998.3	ILR11-1
ILR11-7	MIDSTREAM BANK PROFILE	4498416.9	275480.2	ILR11-3

Channel Profile Endpoints at Site#11

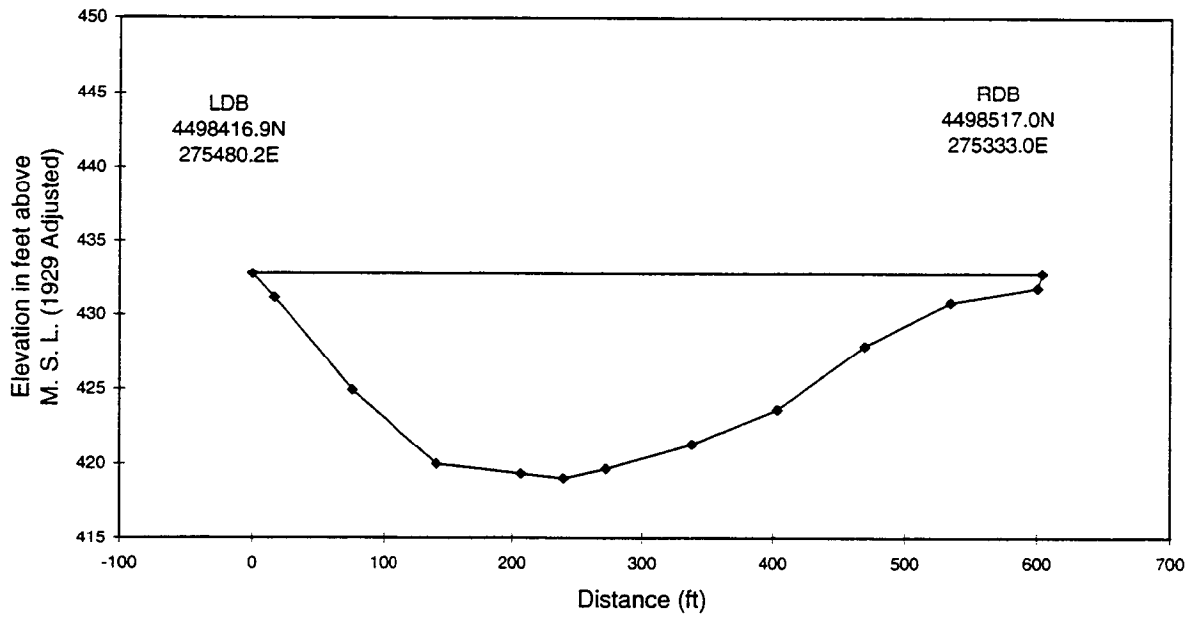
- (A) MIDPOINT CHANNEL PROFILE (From: ILR11-7 To: ILR11-3)
 Cross Section Length ~ 184m (603.7ft)

Midpoint Channel Profile RM155.3

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	432.8	0
5	16.4	431.2	0.5
23	75.5	424.9	2.4
43	141.1	420.0	3.9
63	206.7	419.3	4.1
73	239.5	419.0	4.2
83	272.3	419.7	4
103	337.9	421.3	3.5
123	403.5	423.6	2.8
143	469.2	427.9	1.5
163	534.8	430.8	0.6
183	600.4	431.8	0.3
184	603.7	432.8	0

Illinois River Waterway
Site #11 RM155.3

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #12 RM154.5 LDB

		NORTH	EAST	OPPOSITE
ILR12-1	UPSTREAM SITE LIMIT	4497410.4	274998.3	N/A
ILR12-2	UPSTREAM BANK PROFILE	4497310.5	274987.5	N/A
ILR12-3	MIDPOINT BANK PROFILE	4496947.7	275006.4	ILR12-6
ILR12-4	DOWNSTREAM BANK PROFILE	4496477.2	275105.4	N/A
ILR12-5	DOWNSTREAM SITE LIMIT	4496385.5	275133.5	N/A
ILR12-6	MIDPOINT PROFILE/OPPOSITE	4496953.0	274840.5	ILR12-3

Channel Profile Endpoints at Site #12

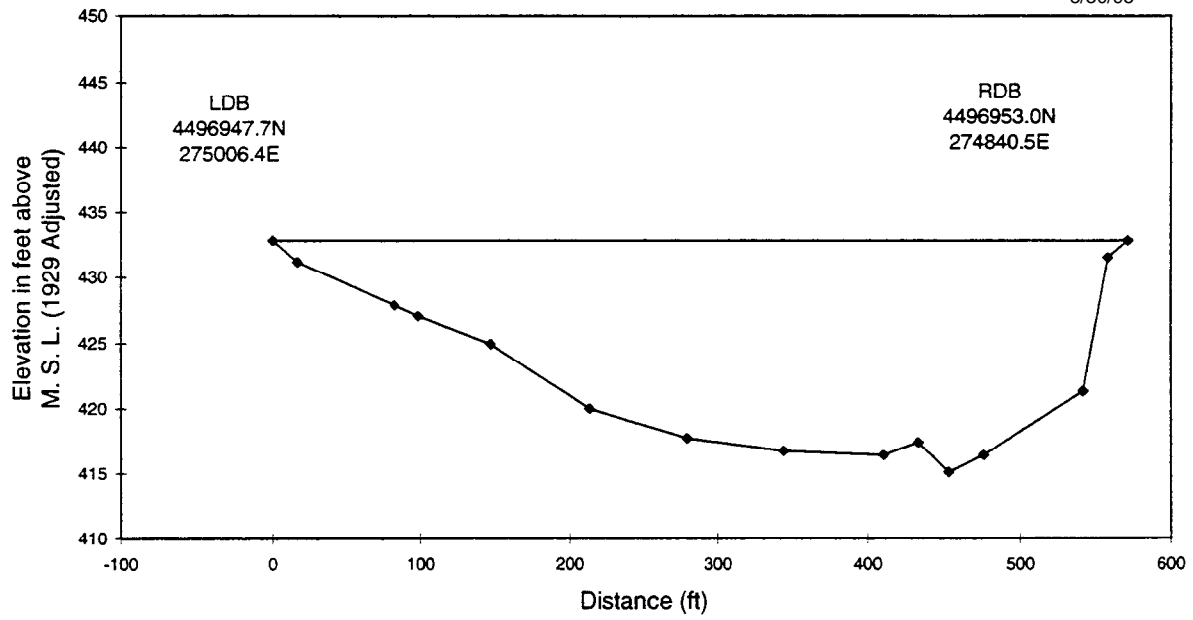
- (A) MIDPOINT CHANNEL PROFILE (From:ILR12-3 To:ILR12-6)
 Cross Section Length ~174m (570.9ft)

Midpoint Channel Profile RM154.5

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	432.8	0
5	16.4	431.2	0.5
25	82.0	427.9	1.5
30	98.4	427.1	1.75
45	147.6	424.9	2.4
65	213.3	420.0	3.9
85	278.9	417.7	4.6
105	344.5	416.7	4.9
125	410.1	416.4	5
132	433.1	417.4	4.7
138	452.8	415.1	5.4
145	475.7	416.4	5
165	541.3	421.3	3.5
170	557.7	431.5	0.4
174	570.9	432.8	0

Illinois River Waterway
Site #12 RM154.5

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #13 RM150.6 LDB

		NORTH	EAST	OPPOSITE
ILR13-1	UPSTREAM SITE LIMIT	4492518.0	272669.0	N/A
ILR13-2	UPSTREAM BANK PROFILE	4492551.0	272612.5	N/A
ILR13-3	MIDPOINT BANK PROFILE	4492631.0	272552.0	ILR13-6
ILR13-4	DOWNSTREAM BANK PROFILE	4492703.0	272508.9	N/A
ILR13-5	DOWNSTREAM SITE LIMIT	4492750.0	272494.9	N/A
ILR13-6	MIDPOINT PROFILE/OPPOSITE	4492738.7	272703.2	ILR13-3

Channel Profile Endpoints at Site#13

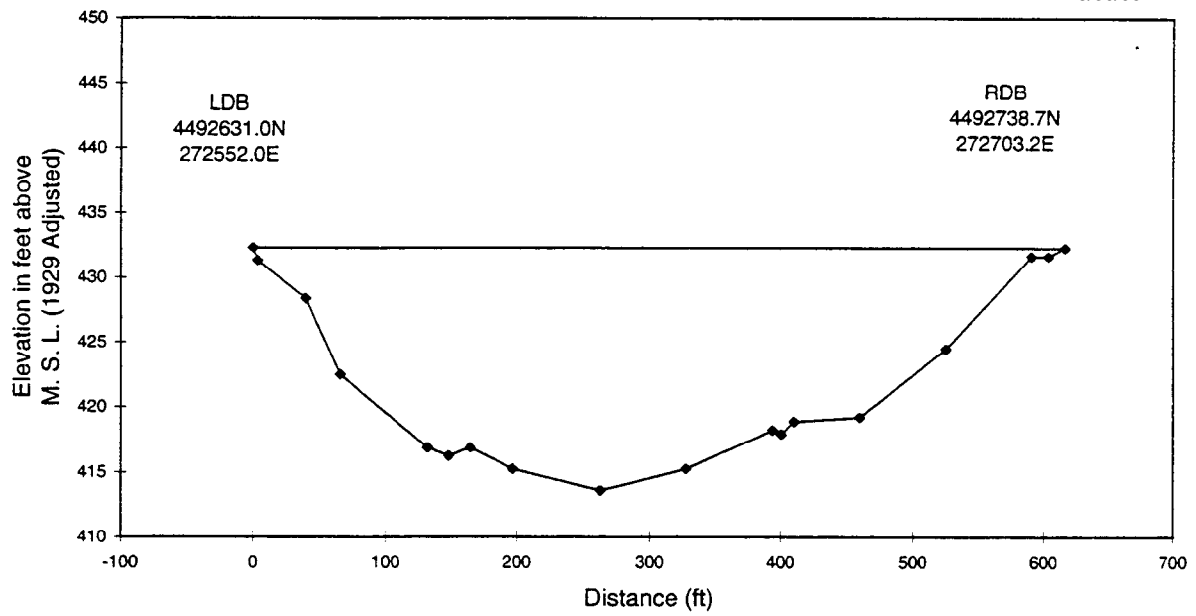
- (A) MIDPOINT CHANNEL PROFILE (From: ILR13-3 To: ILR13-6)
 Cross Section Length ~188m (616.8ft)

Midpoint Channel Profile RM150.6

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	432.3	0
1	3.3	431.3	0.3
12	39.4	428.4	1.2
20	65.6	422.5	3
40	131.2	416.9	4.7
45	147.6	416.2	4.9
50	164.0	416.9	4.7
60	196.8	415.2	5.2
80	262.5	413.6	5.7
100	328.1	415.2	5.2
120	393.7	418.2	4.3
122	400.3	417.9	4.4
125	410.1	418.8	4.1
140	459.3	419.2	4
160	524.9	424.4	2.4
180	590.5	431.6	0.2
184	603.7	431.6	0.2
188	616.8	432.3	0

Illinois River Waterway
Site #13 RM150.6

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site#14 RM129.3 RDB

		NORTH	EAST	OPPOSITE
ILR14-1	UPSTREAM SITE LIMIT	4476372.6	247110.9	N/A
ILR14-2	UPSTREAM BANK PROFILE	4476252.9	247076.5	N/A
ILR14-3	MIDPOINT BANK PROFILE	4476130.5	247031.2	ILR14-6
ILR14-4	DOWNSTREAM BANK PROFILE	4475985.0	246954.6	N/A
ILR14-5	DOWNSTREAM SITE LIMIT	4475938.9	246927.0	N/A
ILR14-6	MIDPOINT PROFILE/OPPOSITE	4476048.5	247178.0	ILR14-3

Channel Profile Endpoints at Site#14

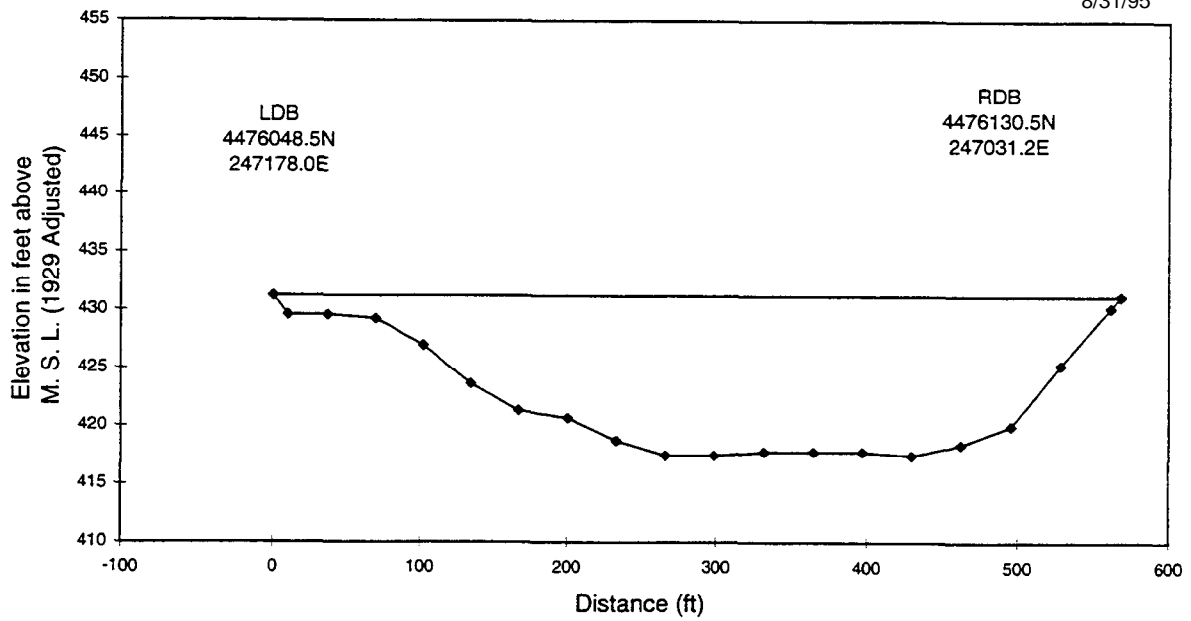
- (A) MIDPOINT CHANNEL PROFILE (From: ILR14-6 To: ILR14-3)
 Cross Section Length ~173m (567.6ft)

Midpoint Channel Profile RM129.3

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	431.2	0
3	9.9	429.6	0.5
11	36.1	429.6	0.5
21	68.9	429.2	0.6
31	101.7	426.9	1.3
41	134.5	423.7	2.3
51	167.3	421.4	3
61	200.2	420.7	3.2
71	233.0	418.7	3.8
81	265.8	417.4	4.2
91	298.6	417.4	4.2
101	331.4	417.7	4.1
111	364.2	417.7	4.1
121	397.0	417.7	4.1
131	429.8	417.4	4.2
141	462.6	418.4	3.9
151	495.4	420.0	3.4
161	528.2	425.3	1.8
171	561.0	430.2	0.3
173	567.6	431.2	0

Illinois River Waterway
Site #14 RM129.3

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #15 RM116.5 RDB

		NORTH	EAST	OPPOSITE
ILR15-1	UPSTREAM SITE LIMIT	4461771.8	236090.6	N/A
ILR15-2	UPSTREAM BANK PROFILE	4461695.7	235960.9	N/A
ILR15-3	MIDPOINT BANK PROFILE	4461324.5	235627.9	ILR15-6
ILR15-4	DOWNSTREAM BANK PROFILE	4460601.9	235252.4	N/A
ILR15-5	DOWNSTREAM SITE LIMIT	4460482.6	235208.9	N/A
ILR15-6	MIDPOINT PROFILE/OPPOSITE	4461202.5	235807.0	ILR15-3

Channel Profile Endpoints at Site #15

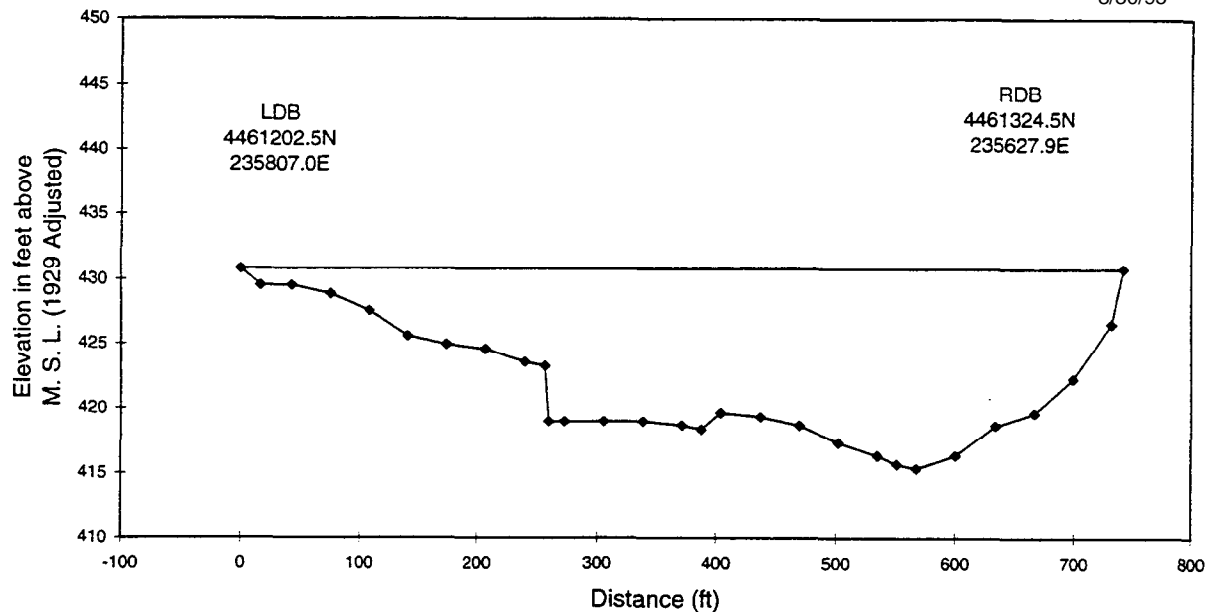
- (A) MIDPOINT CHANNEL PROFILE (From: ILR15-6 To: ILR15-3)
 Cross Section Length ~226m (741.5ft)

Midpoint Channel Profile RM116.5

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	430.8	0
5	16.4	429.5	0.4
13	42.7	429.5	0.4
23	75.5	428.8	0.6
33	108.3	427.5	1
43	141.1	425.6	1.6
53	173.9	424.9	1.8
63	206.7	424.6	1.9
73	239.5	423.6	2.2
78	255.9	423.3	2.3
79	259.2	419.0	3.6
83	272.3	419.0	3.6
93	305.1	419.0	3.6
103	337.9	419.0	3.6
113	370.7	418.7	3.7
118	387.1	418.3	3.8
123	403.5	419.6	3.4
133	436.3	419.3	3.5
143	469.2	418.7	3.7
153	502.0	417.3	4.1
163	534.8	416.4	4.4
168	551.2	415.7	4.6
173	567.6	415.4	4.7
183	600.4	416.4	4.4
193	633.2	418.7	3.7
203	666.0	419.6	3.4
213	698.8	422.3	2.6
223	731.6	426.5	1.3
226	741.5	430.8	0

Illinois River Waterway
Site #15 RM116.5

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #16 RM109.5A LDB

		NORTH	EAST	OPPOSITE
ILR16-1	UPSTREAM SITE LIMIT	4454029.6	228584.1	N/A
ILR16-2	UPSTREAM BANK PROFILE	4454022.9	228524.5	ILR16-5
ILR16-3	MIDPOINT BANK PROFILE	4453967.3	228297.8	ILR16-6
ILR16-4	UPSTREAM SITE LIMIT	4454124.0	228261.0	N/A
ILR16-5	UPSTREAM BANK PROFILE (i)	4454170.5	228511.1	ILR16-2
ILR16-6	UPSTREAM BANK PROFILE (ii)	4454115.3	228235.6	ILR16-3

Channel Profile Endpoints at Site# 16

- (A) UPSTREAM CHANNEL PROFILE (From: ILR16-2 To: ILR16-5)
Cross Section Length ~ 150m (492.1ft)
- (B) MIDPOINT CHANNEL PROFILE (From: ILR16-3 To:ILR16-6)
Cross Section Length ~ 162m (531.5ft)

Upstream Channel Profile RM109.5A

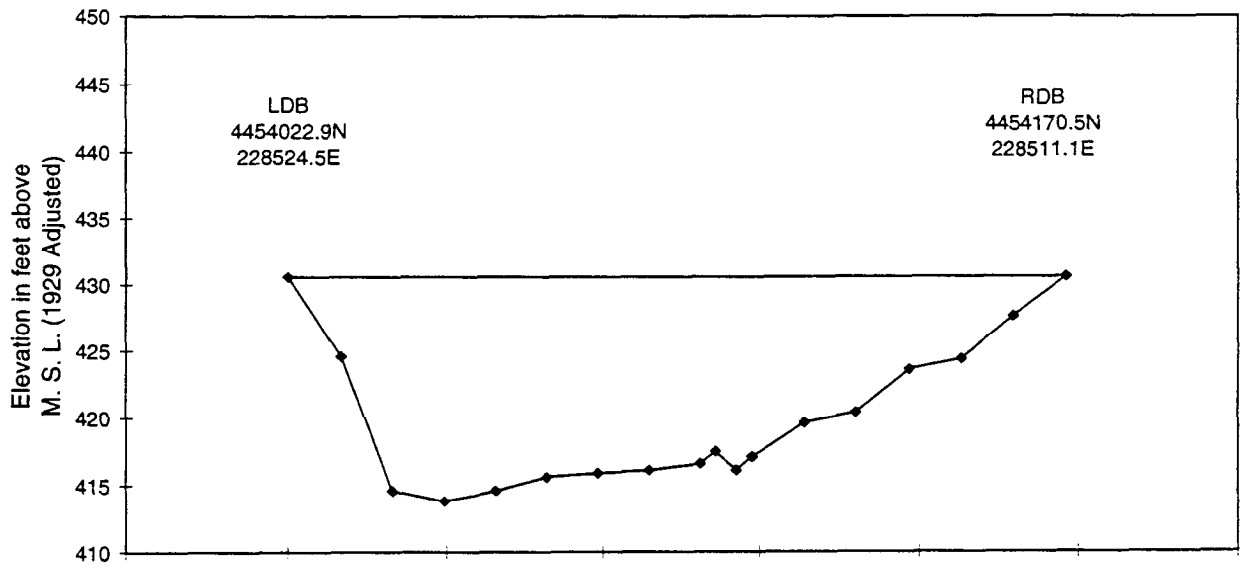
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	430.6	0.0
10	32.8	424.6	1.8
20	65.6	414.6	4.9
30	98.4	413.8	5.1
40	131.2	414.6	4.9
50	164.0	415.6	4.6
60	196.8	415.9	4.5
70	229.7	416.1	4.4
80	262.5	416.6	4.3
83	272.3	417.5	4.0
87	285.4	416.1	4.4
90	295.3	417.1	4.1
100	328.1	419.6	3.4
110	360.9	420.4	3.1
120	393.7	423.6	2.1
130	426.5	424.4	1.9
140	459.3	427.6	0.9
150	492.1	430.6	0.0

Midpoint Channel Profile RM109.5A

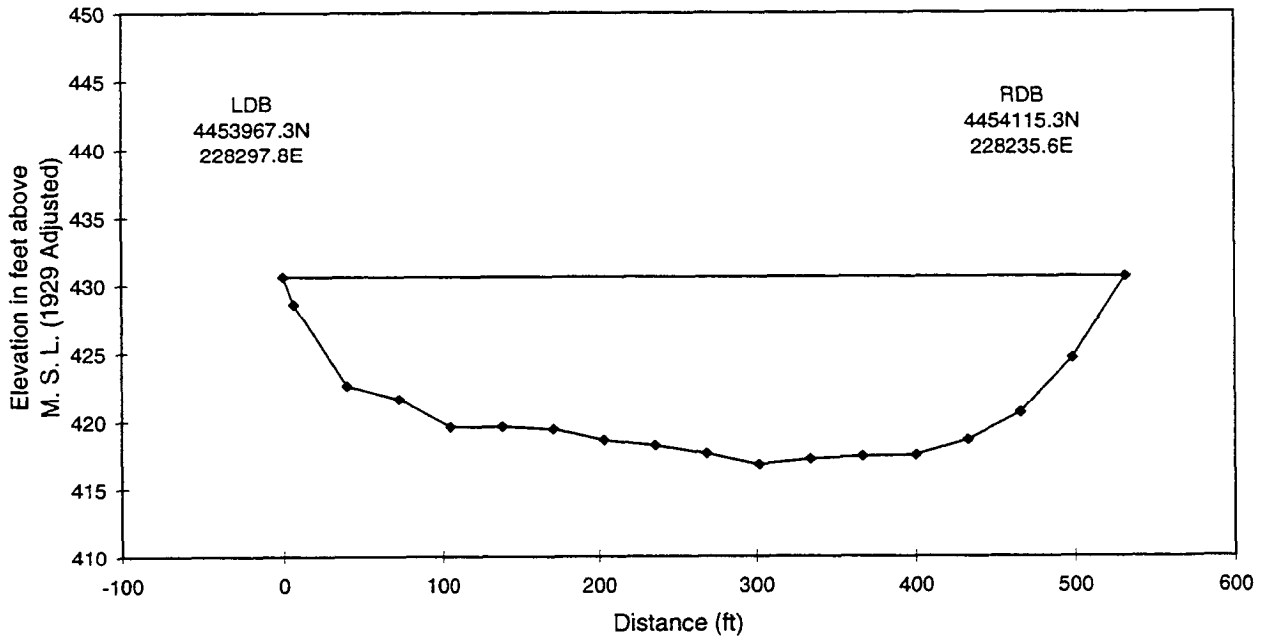
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	430.6	0.0
2	6.6	428.6	0.6
12	39.4	422.6	2.4
22	72.2	421.6	2.7
32	105.0	419.6	3.4
42	137.8	419.6	3.4
52	170.6	419.4	3.4
62	203.4	418.6	3.7
72	236.2	418.2	3.8
82	269.0	417.6	4.0
92	301.8	416.8	4.2
102	334.6	417.2	4.1
112	367.4	417.4	4.0
122	400.3	417.5	4.0
132	433.1	418.6	3.7
142	465.9	420.6	3.0
152	498.7	424.6	1.8
162	531.5	430.6	0.0

**Illinois River Waterway
Site#16 RM109.5A**

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A. Upstream Channel Profile



B. Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #17 RM109.5B RDB

		NORTH	EAST	OPPOSITE
ILR17-1	MIDPOINT BANK PROFILE	4454067.1	228122.1	ILR17-4
ILR17-2	DOWNSTREAM BANK PROFILE	4453891.2	227910.2	ILR17-5
ILR17-3	DOWNSTREAM SITE LIMIT	4453867.9	227888.1	N/A
ILR17-4	MIDPOINT PROFILE/OPPOSITE	4453921.6	228203.6	ILR17-1
ILR17-5	DOWNSTREAM BANK PROFILE	4453780.1	228035.2	ILR17-2

Channel Profile Endpoints at Site#17

(A) MIDPOINT CHANNEL PROFILE (From: ILR17-4 To:ILR17-1)
 Cross Section Length ~ 168m (551.2ft)

(B) DOWNSTREAM CHANNEL PROFILE (From:ILR17-5 To:ILR17-2)
 Cross Section Length ~ 170m (557.7ft)

Midpoint Channel Profile RM109.5B

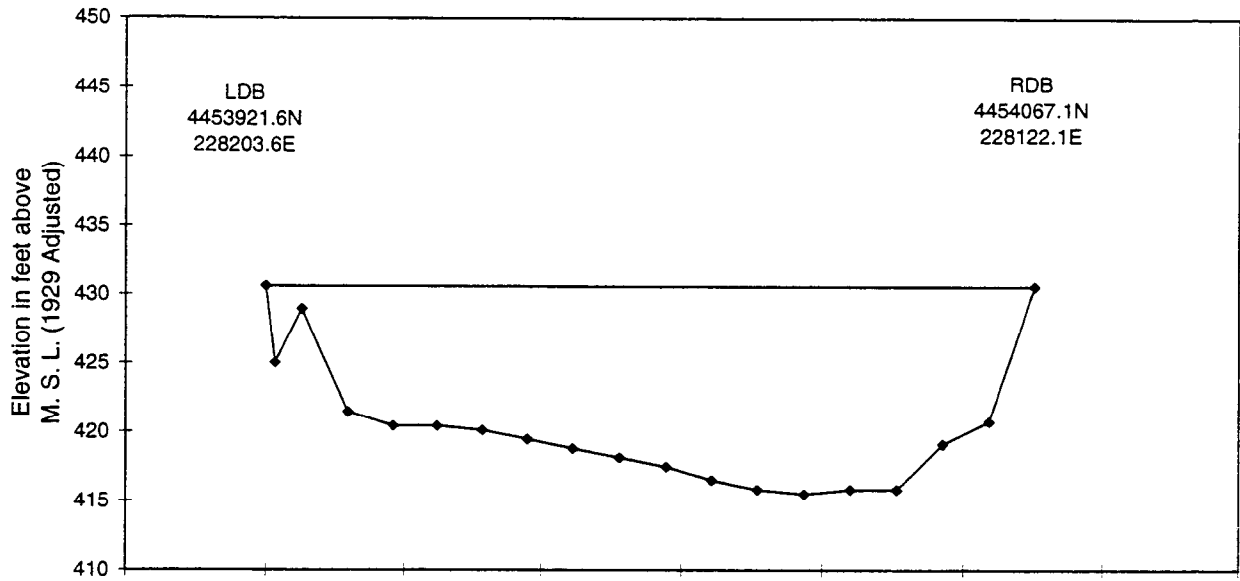
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	430.6	0
2	6.6	425.0	1.7
8	26.2	429.0	0.5
18	59.1	421.4	2.8
28	91.9	420.4	3.1
38	124.7	420.4	3.1
48	157.5	420.1	3.2
58	190.3	419.4	3.4
68	223.1	418.8	3.6
78	255.9	418.1	3.8
88	288.7	417.5	4
98	321.5	416.5	4.3
108	354.3	415.8	4.5
118	387.1	415.5	4.6
128	419.9	415.8	4.5
138	452.8	415.8	4.5
148	485.6	419.1	3.5
158	518.4	420.8	3
168	551.2	430.6	0

Downstream Channel Profile RM109.5B

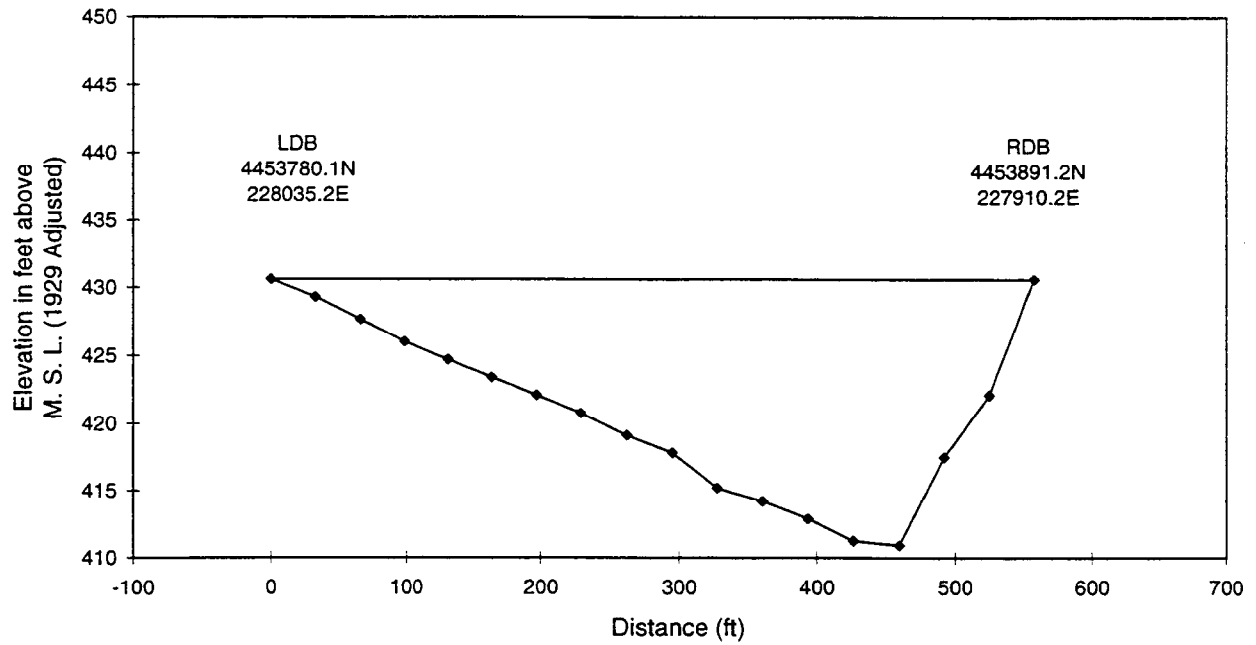
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	430.6	0
10	32.8	429.3	0.4
20	65.6	427.6	0.9
30	98.4	426.0	1.4
40	131.2	424.7	1.8
50	164.0	423.4	2.2
60	196.8	422.1	2.6
70	229.7	420.8	3
80	262.5	419.1	3.5
90	295.3	417.8	3.9
100	328.1	415.2	4.7
110	360.9	414.2	5
120	393.7	412.9	5.4
130	426.5	411.2	5.9
140	459.3	410.9	6
150	492.1	417.5	4
160	524.9	422.1	2.6
170	557.7	430.6	0

**Illinois River Waterway
Site #17 RM109.5B**

8/31/95



A. Midpoint Channel Profile



B. Downstream Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #18 RM94.2 RDB

		NORTH	EAST	OPPOSITE
ILR18-1	UPSTREAM SITE LIMIT	4442789.0	210725.4	N/A
ILR18-2	UPSTREAM BANK PROFILE	4442766.4	210733.4	N/A
ILR18-3	MIDPOINT BANK PROFILE	4442711.8	210743.5	ILR18-6
ILR18-4	DOWNSTREAM BANK PROFILE	4442661.6	210745.3	N/A
ILR18-5	DOWNSTREAM SITE LIMIT	4442636.9	210749.4	N/A
ILR18-6	MIDPOINT PROFILE/OPPOSITE	4442731.4	210907.9	N/A

Channel Profile Endpoints at Site#18

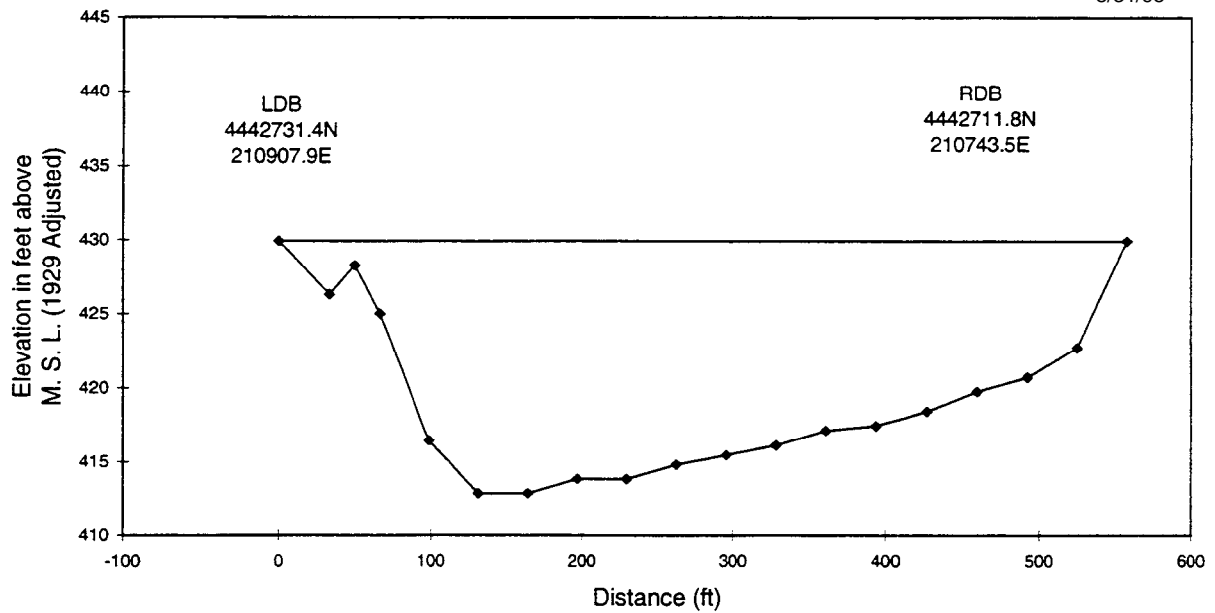
- (A) MIDPOINT CHANNEL PROFILE (From: ILR18-6 To:ILR18-3)
 Cross Section Length ~ 170m (557.7ft)

Midpoint Channel Profile RM94.2

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	429.9	0
10	32.8	426.3	1.1
15	49.2	428.3	0.5
20	65.6	425.0	1.5
30	98.4	416.4	4.1
40	131.2	412.8	5.2
50	164.0	412.8	5.2
60	196.8	413.8	4.9
70	229.7	413.8	4.9
80	262.5	414.8	4.6
90	295.3	415.5	4.4
100	328.1	416.1	4.2
110	360.9	417.1	3.9
120	393.7	417.4	3.8
130	426.5	418.4	3.5
140	459.3	419.7	3.1
150	492.1	420.7	2.8
160	524.9	422.7	2.2
170	557.7	429.9	0

Illinois River Waterway
Site #18 RM94.2

8/31/95



Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #19 RM91.2 RDB

		NORTH	EAST	OPPOSITE
ILR19-1	UPSTREAM SITE LIMIT	4439736.6	207329.0	N/A
ILR19-2	UPSTREAM BANK PROFILE	4439696.7	207328.3	ILR19-6
ILR19-3	MIDPOINT BANK PROFILE	4439516.1	207343.9	ILR19-7
ILR19-4	DOWNSTREAM BANK PROFILE	4439408.5	207356.6	N/A
ILR19-5	DOWNSTREAM SITE LIMIT	4439374.9	207354.3	N/A
ILR19-6	UPSTREAM PROFILE/OPPOSITE	4439718.6	207513.4	ILR19-2
ILR19-7	MIDPOINT PROFILE/OPPOSITE	4439541.0	207511.6	ILR19-3

Channel Profile Endpoints at Site #19

(A) UPSTREAM CHANNEL PROFILE (From: ILR19-6 To: ILR19-2)
 Cross Section Length ~ 202m (662.7ft)

(B) MIDPOINT CHANNEL PROFILE (From: ILR19-7 To: ILR19-3)
 Cross Section Length ~ 192m (629.9ft)

Upstream Channel Profile RM91.2

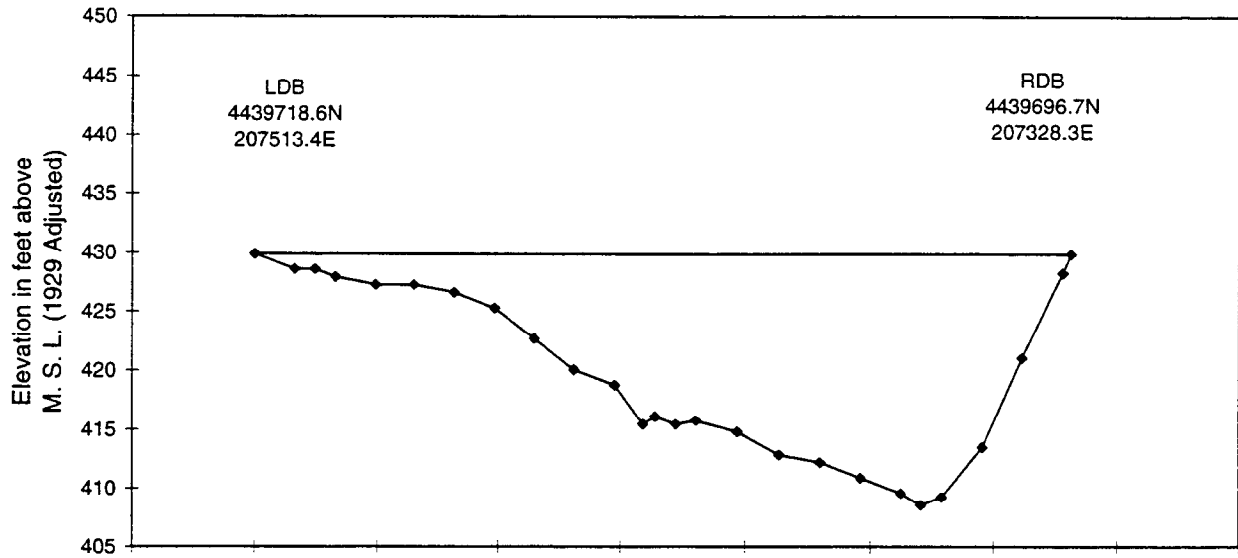
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	429.9	0
10	32.8	428.6	0.4
15	49.2	428.6	0.4
20	65.6	427.9	0.6
30	98.4	427.3	0.8
40	131.2	427.3	0.8
50	164.0	426.6	1
60	196.8	425.3	1.4
70	229.7	422.7	2.2
80	262.5	420.1	3
90	295.3	418.7	3.4
97	318.2	415.5	4.4
100	328.1	416.1	4.2
105	344.5	415.5	4.4
110	360.9	415.8	4.3
120	393.7	414.8	4.6
130	426.5	412.8	5.2
140	459.3	412.2	5.4
150	492.1	410.9	5.8
160	524.9	409.6	6.2
165	541.3	408.6	6.5
170	557.7	409.2	6.3
180	590.5	413.5	5
190	623.4	421.0	2.7
200	656.2	428.3	0.5
202	662.7	429.9	0

Midpoint Channel Profile RM91.2

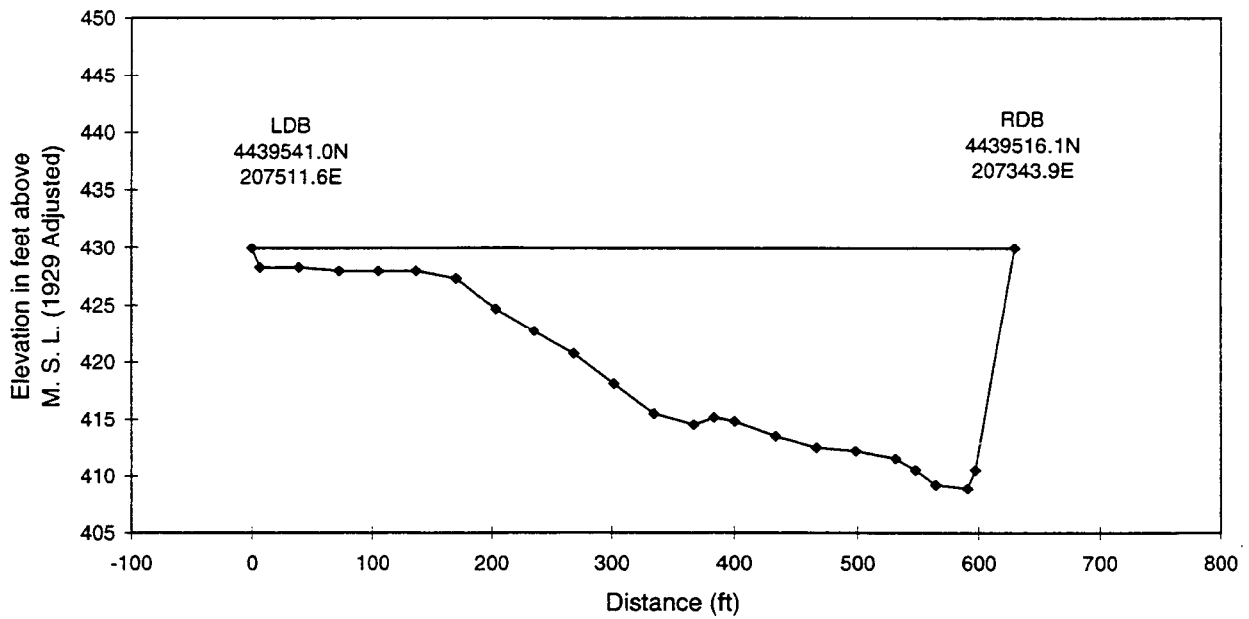
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	429.9	0
2	6.6	428.3	0.5
12	39.4	428.3	0.5
22	72.2	427.9	0.6
32	105.0	427.9	0.6
42	137.8	427.9	0.6
52	170.6	427.3	0.8
62	203.4	424.7	1.6
72	236.2	422.7	2.2
82	269.0	420.7	2.8
92	301.8	418.1	3.6
102	334.6	415.5	4.4
112	367.4	414.5	4.7
117	383.9	415.1	4.5
122	400.3	414.8	4.6
132	433.1	413.5	5
142	465.9	412.5	5.3
152	498.7	412.2	5.4
162	531.5	411.5	5.6
167	547.9	410.5	5.9
172	564.3	409.2	6.3
180	590.5	408.9	6.4
182	597.1	410.5	5.9
192	629.9	429.9	0

**Illinois River Waterway
Site#19 RM91.2**

8/31/95



A. Upstream Channel Profile



B. Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site 20 RM79.4 RDB

		NORTH	EAST	OPPOSITE
ILR20-1	UPSTREAM SITE LIMIT	4426424.3	197718.4	N/A
ILR20-2	UPSTREAM BANK PROFILE	4426212.0	197677.4	N/A
ILR20-3	MIDPOINT BANK PROFILE	4425894.3	197650.4	ILR20-6
ILR20-4	DOWNSTREAM BANK PROFILE	4425588.9	197637.8	ILR20-7
ILR20-5	DOWNSTREAM SITE LIMIT	4425317.4	197634.9	N/A
ILR20-6	MIDPOINT PROFILE/OPPOSITE	4425879.9	197825.8	ILR20-3
ILR20-7	DOWNSTREAM PROFILE/OPPOSITE	4425581.4	197823.7	ILR20-4

Channel Profile Endpoints at Site #20

(A) MIDPOINT CHANNEL PROFILE (From: ILR20-6 To: ILR20-3)
 Cross Section Length ~177m (580.7ft)

(B) DOWNSTREAM CHANNEL PROFILE (From: ILR20-7 To:ILR20-4)
 Cross Section Length ~188m (616.8ft)

Midpoint Channel Profile RM79.4

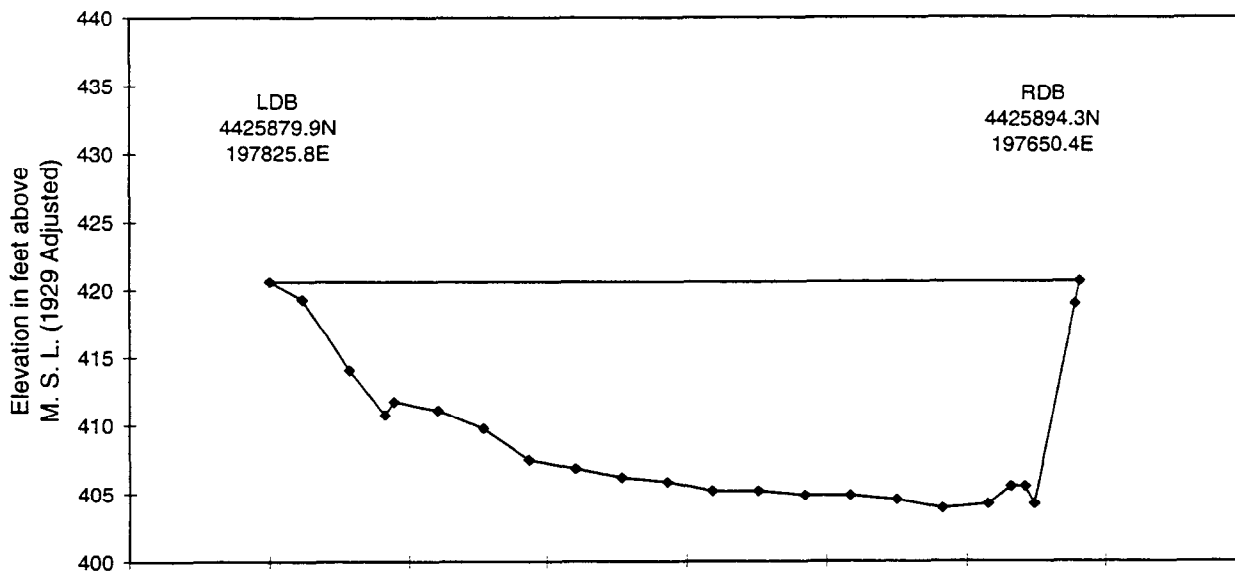
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	420.6	0.0
7	23.0	419.3	0.4
17	55.8	414.0	2.0
25	82.0	410.8	3.0
27	88.6	411.7	2.7
37	121.4	411.1	2.9
47	154.2	409.8	3.3
57	187.0	407.5	4.0
67	219.8	406.8	4.2
77	252.6	406.2	4.4
87	285.4	405.8	4.5
97	318.2	405.2	4.7
107	351.0	405.2	4.7
117	383.9	404.9	4.8
127	416.7	404.9	4.8
137	449.5	404.5	4.9
147	482.3	403.9	5.1
157	515.1	404.2	5.0
162	531.5	405.5	4.6
165	541.3	405.5	4.6
167	547.9	404.2	5.0
176	577.4	419.0	0.5
177	580.7	420.6	0.0

Downstream Channel Profile RM79.4

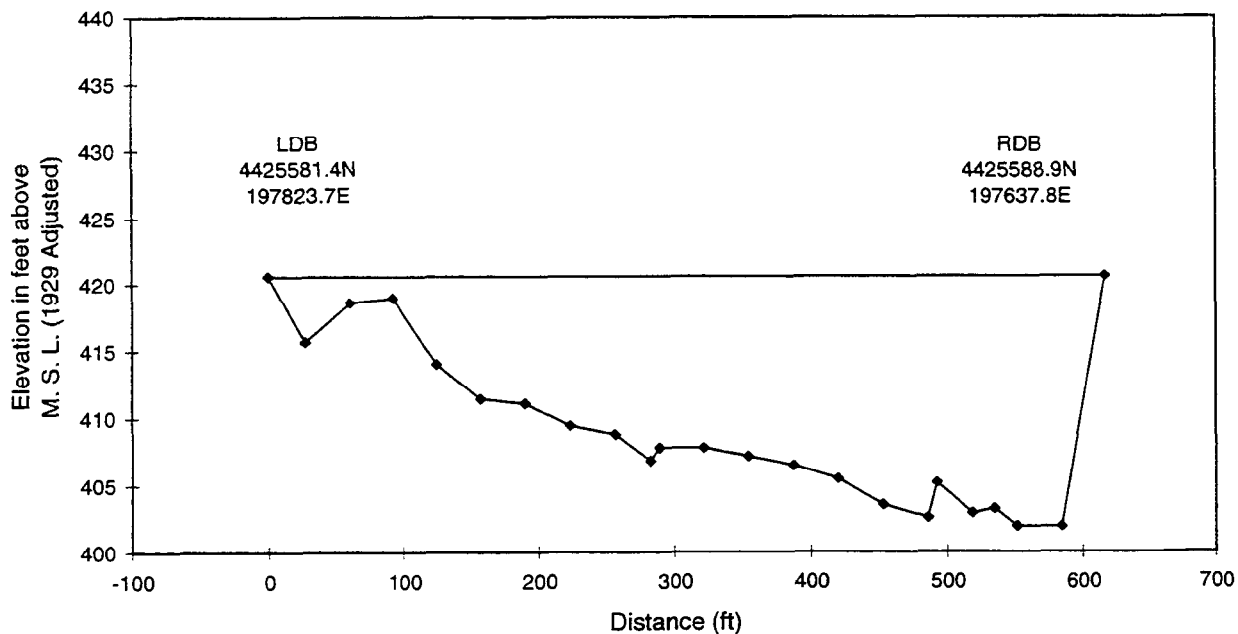
Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	420.6	0
8	26.2	415.7	1.5
18	59.1	418.6	0.6
28	91.9	419.0	0.5
38	124.7	414.0	2
48	157.5	411.4	2.8
58	190.3	411.1	2.9
68	223.1	409.4	3.4
78	255.9	408.8	3.6
86	282.1	406.8	4.2
88	288.7	407.8	3.9
98	321.5	407.8	3.9
108	354.3	407.1	4.1
118	387.1	406.5	4.3
128	419.9	405.5	4.6
138	452.8	403.5	5.2
148	485.6	402.6	5.5
150	492.1	405.2	4.7
158	518.4	402.9	5.4
163	534.8	403.2	5.3
168	551.2	401.9	5.7
178	584.0	401.9	5.7
188	616.8	420.6	0

**Illinois River Waterway
Site #20 RM79.4**

9/1/95



A. Midpoint Channel Profile



B. Downstream Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #21 RM61.5 RDB

		NORTH	EAST	OPPOSITE
ILR21-1	UPSTREAM SITE LIMIT	4402080.5	187506.6	N/A
ILR21-2	UPSTREAM BANK PROFILE	4402055.2	187498.1	N/A
ILR21-3	MIDPOINT BANK PROFILE	4401875.8	187444.5	ILR21-6
ILR21-4	DOWNSTREAM BANK PROFILE	4401765.2	187415.7	N/A
ILR21-5	DOWNSTREAM SITE LIMIT	4401707.9	187399.6	N/A
ILR21-6	MIDPOINT PROFILE/OPPOSITE	4401776.0	187690.4	ILR21-3

Channel Profile Endpoints at Site #21

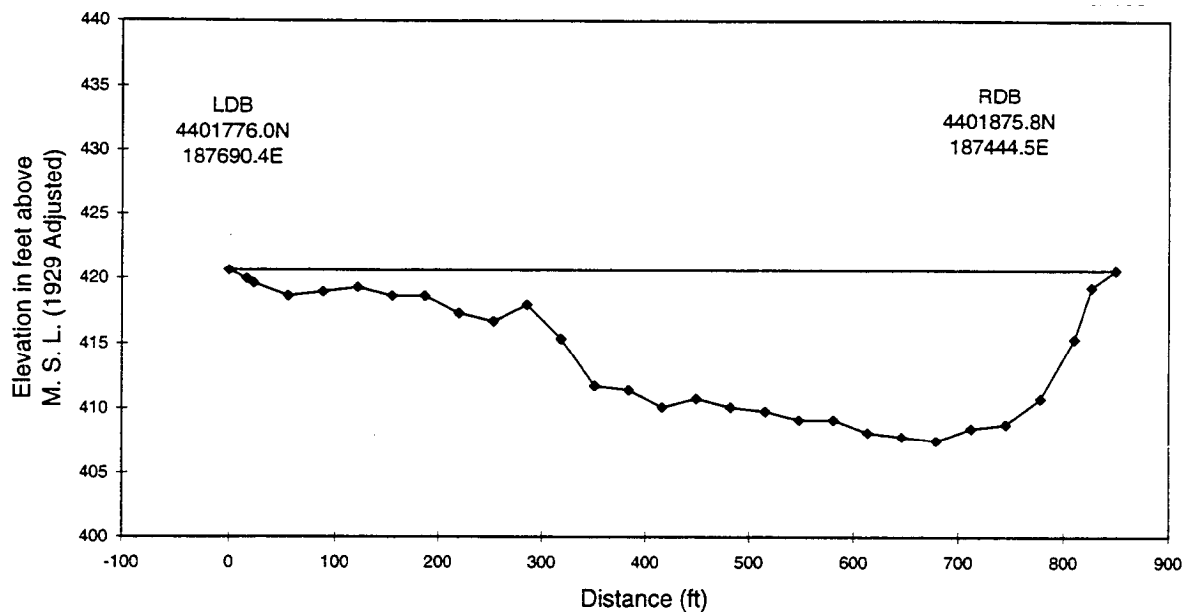
- (A) MIDPOINT CHANNEL PROFILE (From: ILR21-6 To: ILR21-3)
 Cross Section Length -259m (849.7ft)

Midpoint Channel Profile RM61.5

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	420.6	0
5	16.4	419.9	0.2
7	23.0	419.6	0.3
17	55.8	418.6	0.6
27	88.6	419.0	0.5
37	121.4	419.3	0.4
47	154.2	418.6	0.6
57	187.0	418.6	0.6
67	219.8	417.3	1.0
77	252.6	416.7	1.2
87	285.4	418.0	0.8
97	318.2	415.4	1.6
107	351.0	411.7	2.7
117	383.9	411.4	2.8
127	416.7	410.1	3.2
137	449.5	410.8	3.0
147	482.3	410.1	3.2
157	515.1	409.8	3.3
167	547.9	409.1	3.5
177	580.7	409.1	3.5
187	613.5	408.1	3.8
197	646.3	407.8	3.9
207	679.1	407.5	4.0
217	711.9	408.5	3.7
227	744.7	408.8	3.6
237	777.5	410.8	3.0
247	810.4	415.4	1.6
252	826.8	419.3	0.4
259	849.7	420.6	0

Illinois River Waterway
Site # 21 RM61.5

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #22 RM45.5 RDB

		NORTH	EAST	OPPOSITE
ILR22-1	UPSTREAM BANK PROFILE	4376865.1	190864.0	N/A
ILR22-2	MIDPOINT BANK PROFILE	4376758.5	190808.6	ILR22-4
ILR22-3	DOWNSTREAM BANK PROFILE	4376663.8	190754.7	N/A
ILR22-4	MIDPOINT PROFILE/OPPOSITE	4376627.4	191049.6	ILR22-2

Channel Profile Endpoints at Site #22

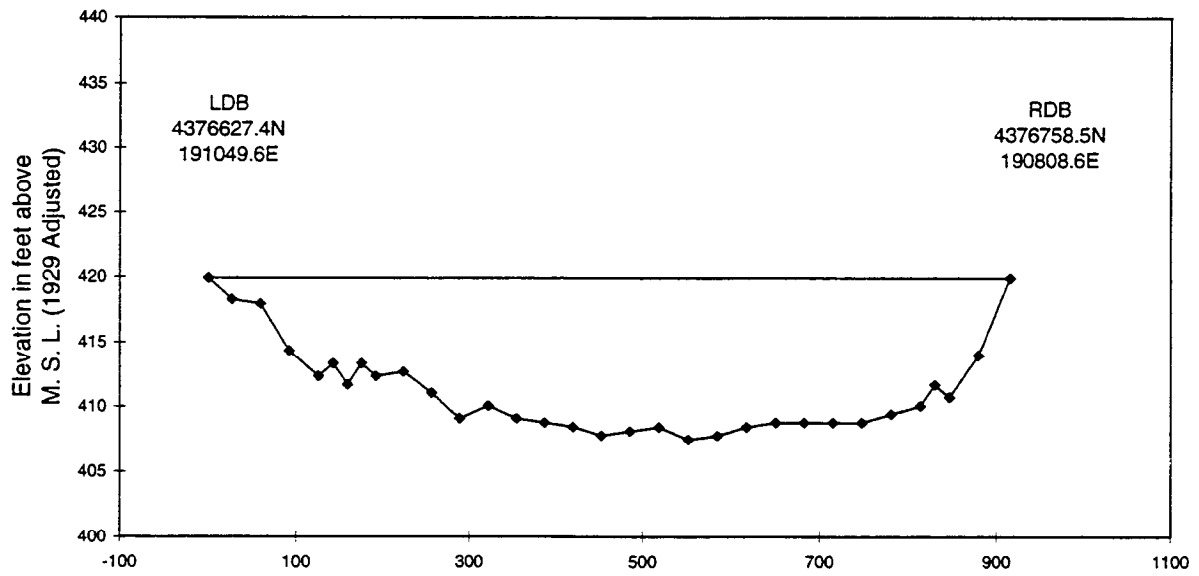
- (A) MIDPOINT CHANNEL PROFILE (From: ILR22-4 To: ILR22-2)
 Cross Section Length ~279m (915.3ft)

Midpoint Channel Profile RM45.5

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	419.9	0
8	26.2	418.3	0.5
18	59.1	417.9	0.6
28	91.9	414.3	1.7
38	124.7	412.4	2.3
43	141.1	413.3	2.0
48	157.5	411.7	2.5
53	173.9	413.3	2.0
58	190.3	412.4	2.3
68	223.1	412.7	2.2
78	255.9	411.0	2.7
88	288.7	409.1	3.3
98	321.5	410.1	3.0
108	354.3	409.1	3.3
118	387.1	408.7	3.4
128	419.9	408.4	3.5
138	452.8	407.8	3.7
148	485.6	408.1	3.6
158	518.4	408.4	3.5
168	551.2	407.4	3.8
178	584.0	407.8	3.7
188	616.8	408.4	3.5
198	649.6	408.7	3.4
208	682.4	408.7	3.4
218	715.2	408.7	3.4
228	748.0	408.7	3.4
238	780.8	409.4	3.2
248	813.6	410.1	3.0
253	830.0	411.7	2.5
258	846.4	410.7	2.8
268	879.3	414.0	1.8
279	915.3	419.9	0

Illinois River Waterway
Site #22 RM45.5

9/1/95



Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #23 RM23.4 RDB

		NORTH	EAST	OPPOSITE
ILR23-1	UPSTREAM SITE LIMIT	4343555.8	189140.3	N/A
ILR23-2	UPSTREAM BANK PROFILE	4343490.3	189133.1	N/A
ILR23-3	MIDPOINT BANK PROFILE	4343344.1	189116.5	ILR23-6
ILR23-4	DOWNSTREAM BANK PROFILE	4343278.3	189105.6	N/A
ILR23-5	DOWNSTREAM SITE LIMIT	4343255.5	189100.7	N/A
ILR23-6	MIDPOINT PROFILE/OPPOSITE	4343329.5	189273.9	ILR23-3

Channel Profile Endpoints at Site #23

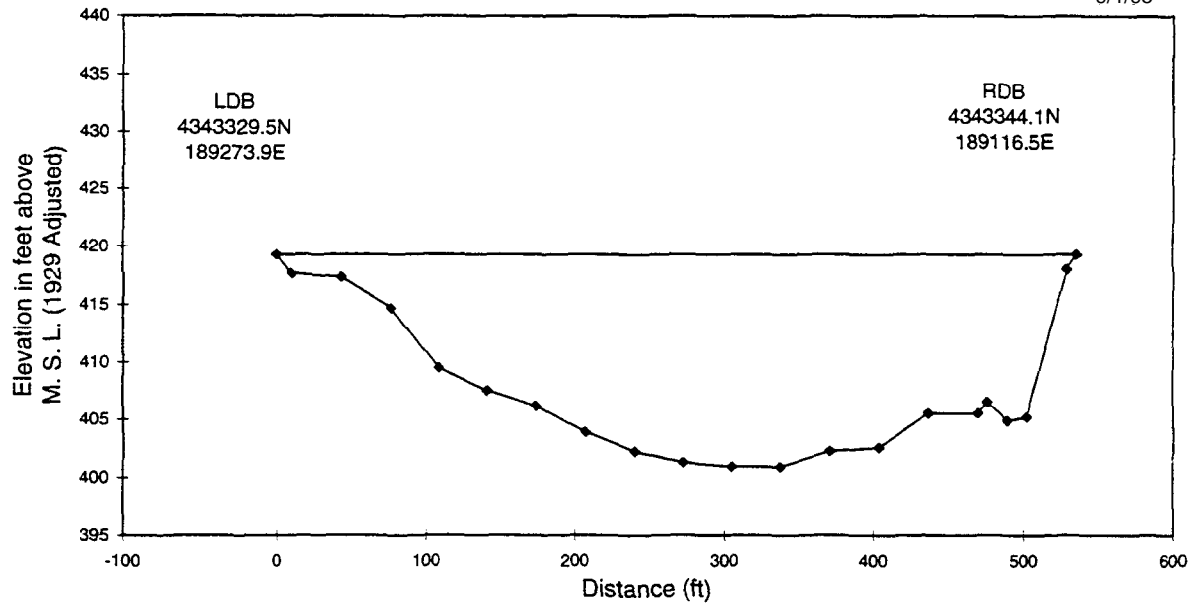
- (A) MIDPOINT CHANNEL PROFILE (From: ILR23-6 To: ILR23-3)
 Cross Section Length ~163m (534.8ft)

Midpoint Channel Profile RM23.4

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	419.3	0
3	9.8	417.7	0.5
13	42.7	417.3	0.6
23	75.5	414.7	1.4
33	108.3	409.5	3.0
43	141.1	407.5	3.6
53	173.9	406.2	4.0
63	206.7	403.9	4.7
73	239.5	402.2	5.2
83	272.3	401.3	5.5
93	305.1	400.9	5.6
103	337.9	400.9	5.6
113	370.7	402.2	5.2
123	403.5	402.6	5.1
133	436.3	405.5	4.2
143	469.2	405.5	4.2
145	475.7	406.5	3.9
149	488.8	404.9	4.4
153	502.0	405.2	4.3
161	528.2	418.0	0.4
163	534.8	419.3	0

Illinois River Waterway
Site #23 RM23.4

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Midpoint Channel Profile

Illinois River Waterway - UTM Coordinates and Channel Profile Endpoints

Site #24 RM13.0 RDB

		NORTH	EAST	OPPOSITE
ILR24-1	UPSTREAM SITE LIMIT	4327657.9	189603.8	N/A
ILR24-2	UPSTREAM BANK PROFILE	4327602.4	189670.0	N/A
ILR24-3	MIDPOINT BANK PROFILE	4327529.5	189759.5	ILR24-6
ILR24-4	DOWNSTREAM BANK PROFILE	4327435.4	189870.5	N/A
ILR24-5	DOWNSTREAM SITE LIMIT	4327404.1	189903.6	N/A
ILR24-6	MIDPOINT PROFILE/OPPOSITE	4327694.8	189897.3	ILR24-3

Channel Profile Endpoints at Site #24

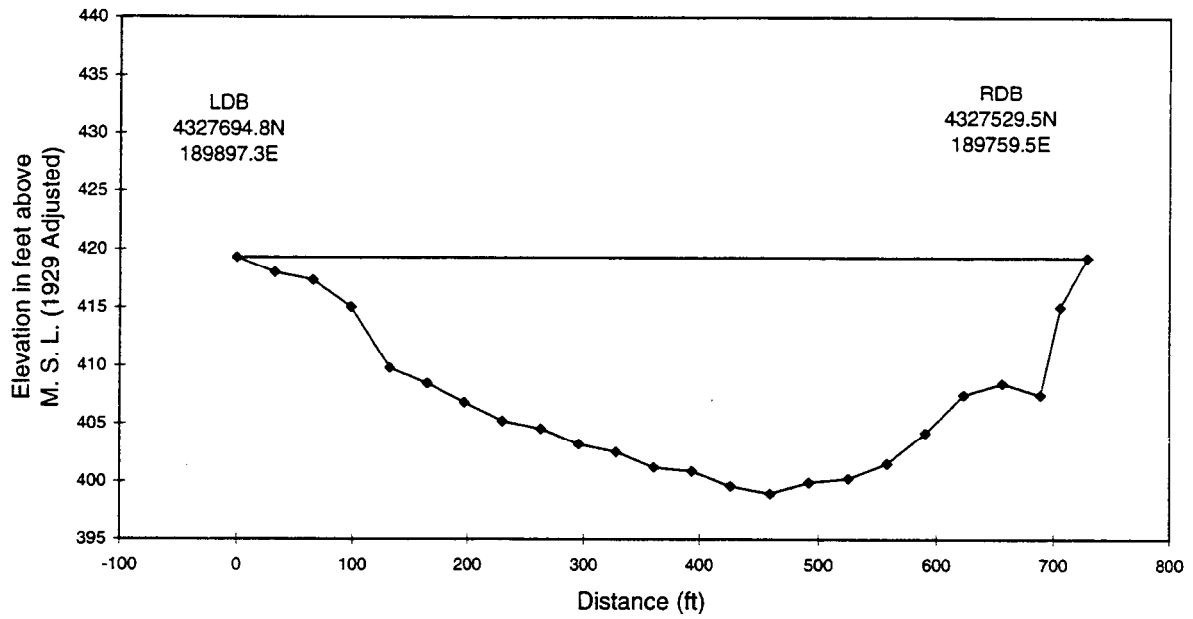
- (A) MIDPOINT CHANNEL PROFILE (From: ILR24-6 To: ILR24-3)
 Cross Section Length ~222m (728.3ft)

Midpoint Channel Profile RM13.0

Distance (m)	Distance (ft)	Depth Elevation	Depth (m)
0	0.0	419.3	0
10	32.8	418.0	0.4
20	65.6	417.3	0.6
30	98.4	415.0	1.3
40	131.2	409.8	2.9
50	164.0	408.5	3.3
60	196.8	406.8	3.8
70	229.7	405.2	4.3
80	262.5	404.5	4.5
90	295.3	403.2	4.9
100	328.1	402.6	5.1
110	360.9	401.3	5.5
120	393.7	400.9	5.6
130	426.5	399.6	6
140	459.3	399.0	6.2
150	492.1	399.9	5.9
160	524.9	400.3	5.8
170	557.7	401.6	5.4
180	590.5	404.2	4.6
190	623.4	407.5	3.6
200	656.2	408.5	3.3
210	689.0	407.5	3.6
215	705.4	415.0	1.3
222	728.3	419.3	0

Illinois River Waterway
Site #24 RM13.0

9/1/95



Midpoint Channel Profile

Appendix D. Field Survey Database

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	UP1	UP1	UP1	UP2	UP2
DATE	18-Sep-95	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	04:30 PM
RIVER	IL	IL	IL	IL	IL
RIVER MILE @ MIDPOINT	270.3	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	Marsailles Pool	Marsailles Pool	Marsailles Pool	Marsailles 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	n	
SORROUNDING STRUCTURES	d/s of Dresden dam	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	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	12	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
SURROUNDING 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	UP4
DATE	20-Sep-95	20-Sep-95	20-Sep-95
TIME	10:00 AM	10:00 AM	10:20 AM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	262.1	262.1	262.1
UTM X	379101.9	379101.9	378915.2
UTM Y	4578414.3	4578414.3	4578397.3
BANK PROFILE TYPE	mp	mp	dn
RDB/LDB	LDB	LDB	LDB
POOL NAME	Marseilles Pool	Marseilles Pool	Marseilles Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	STRAIGHT REACH
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n
ARCHEOLOGICAL SITE	n	n	n
SURROUNDING STRUCTURES	Mooring & Fleeting area (Left bank only)	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'	250'
LAND USE ON BANK CREST	A(Corn)	A(Corn)	Navigable channel
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds) & 1 tree in vicinity of Midpoint	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.	Bare scarp, some weeds on berm. Bare sandy bench.	Not much. Bare face
TYPE OF VEGETATION AT BENCH	NONE	NONE	Not observed
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	1 tree near MP with 3' root exposure	1 tree near MP with 3' root exposure	NO
OVERLAND DRAINAGE AT THE SITE	Yes..rilling at scarp	Yes..rilling at scarp	NO
BANK EROSION TYPE	F, C, B, L, P, W, R & T	F, C, B, L, P, W, R & T	F, B, W, P, FD, R & T
SCARP HEIGHT	6.5'	6.5'	5.4'
SCARP SLOPE	0.54H:1V	0.54H:1V	0.796H:1V
SCARP SOIL TYPE	SM	SM	ML (Top), MH (Bottom)
BERM HEIGHT	0.5'	0.5'	3.2'
BERM WIDTH	1.0'	1.0'	9.8'
BERM SOIL TYPE	SM	SM	MH
UNDER WATER SLOPE	12.50H:1V	12.50H:1V	10.20H:1V
BENCH SEDIMENT TYPE	1.5" sand over SM	1.5" sand over SM	SC, CH
SUBAQUOUS BENCH DESCRIPTION	Sandy bench over silt/clay	Sandy bench over silt/clay	

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	UP5	UP5	1
DATE	20-Sep-95	20-Sep-95	28-Aug-95
TIME	11:00 AM	11:00 AM	12:45 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	262.1	262.1	242.0
UTM X	379069.4	379069.4	351053.5
UTM Y	4578598.0	4578598.0	4577258.3
BANK PROFILE TYPE	mp	mp	up
RDB/LDB	RDB	RDB	LDB
POOL NAME	Marseilles Pool	Marseilles Pool	Marseilles Pool
GEOMORPHIC CHARACTER	STRAIGHT REACH	STRAIGHT REACH	OUTSIDE BEND
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n
ARCHEOLOGICAL SITE	no	no	
SURROUNDING STRUCTURES	Fleeting area across river on LT bank		
COMMERCIAL TRAFFIC LEVEL			
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE	300'	300'	250'
LAND USE ON BANK CREST	A(Corn)	A(Corn)	W (Tall Ash?)
TYPE OF VEGETATION ON TOP OF BANK	G(Weeds)W(Trees)	G(Weeds)W(Trees)	y
TYPE OF VEGETATION AT SCARP FACE	Bare scarp & bench	Bare scarp & bench	Yes
TYPE OF VEGETATION AT BENCH	NONE	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	2 to 3' exposed roots	Top 1/3
OVERLAND DRAINAGE AT THE SITE	Yes..rilling at top of scarp	Yes..rilling at top of scarp	No clear drainage
BANK EROSION TYPE	F, C, S, B, L, P, W, R&T	F, C, S, B, L, P, W, R&T	ML
SCARP HEIGHT	2.8'	2.8'	10.0'
SCARP SLOPE	0.46H:1V	0.46H:1V	0.80H:1V
SCARP SOIL TYPE	ML/SC	ML/SC	
BERM HEIGHT	4.8'	4.8'	
BERM WIDTH	12.7'	12.7'	
BERM SOIL TYPE	ML/SC	ML/SC	Consolidated clay
UNDER WATER SLOPE	26.00:1V	26.00:1V	40.65:1V
BENCH SEDIMENT TYPE	ML/SC	ML/SC	Gravel
SUBAQUEOUS BENCH DESCRIPTION	Flat, silty/clay bench	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	Marsailles Pool	Marsailles Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	STRAIGHT REACH
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE		
SURROUNDING 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	M To H	M to H
RECREATIONAL TRAFFIC LEVEL	406	250
ESTIMATED DISTANCE TO THE SAILING LINE	W (Tall Oak 10 to 30 Ft.) A (Soybean Field)	W (Oak 30'-40')
LAND USE ON BANK CREST	W (tall Oak)	G (small weeds)
TYPE OF VEGETATION ON TOP OF BANK	W (2 to 3 Yrs. old Maple Tree)	Grass roots, no yearly trees
TYPE OF VEGETATION AT SCARP FACE	Yes. 4 To 6 Yrs. Old Trees	NONE
TYPE OF VEGETATION AT BENCH	Yes. average 3'2" depth root system. Seems has been Exposed several Yrs.	Covers whole height of the bank
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Bank drainage, d/s of main transect	Clear moist layer at bottom of steep face
OVERLAND DRAINAGE AT THE SITE	S,B,L,R&T. Weathering	P, S, R & T
BANK EROSION TYPE	12.5'	6.0'
SCARP HEIGHT	0.53H:1V	0.53H:1V
SCARP SLOPE	Clay silt, silt consolidated	SC
SCARP SOIL TYPE		
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
SUBAQUEOUS 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		
SURROUNDING 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. dia10")	
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	03:20PM
RIVER	IL
RIVER MILE @ MIDPOINT	235.8
UTMX	340557.6
UTMY	4576153.5
BANK PROFILE TYPE	dn
RDB/LDB	RDB
POOL NAME	Starved Rock
GEOMORPHIC CHARACTER	STRAIGHT REACH
BANK TYPE	Natural
WINGDAM PRESENT OR NOT	340557.6
ARCHEOLOGICAL SITE	4576153.5
SURROUNDING STRUCTURES	From Nav. chart there is a lake behind it. Sheehan Island
COMMERCIAL TRAFFIC LEVEL	RDB
RECREATIONAL TRAFFIC LEVEL	Starved Rock
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	From Nav. chart there is a lake behind it. Sheehan Island
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
SURROUNDING 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	3.21 H: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
SUBAQUEOUS 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	imp	dh	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
SURROUNDING 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	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	dh
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	n
ARCHEOLOGICAL SITE	y	y
SURROUNDING 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
SUBAQUEOUS BENCH DESCRIPTION	Mild slope	6" bench at base of slope

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	6	6	6
DATE	29-Aug-95	29-Aug-95	29-Aug-95
TIME	10:35 AM	10:40 AM	10:40 AM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	210.0	210.0	210.0
UTM X	303867.0	303867.0	303868.9
UTM Y	4573586.1	4573586.1	4573583.5
BANK PROFILE TYPE	up	up	imp
RDB/LDB	RDB	RDB	RDB
POOL NAME	Peoria Pool	Peoria Pool	Peoria Pool
GEOMORPHIC CHARACTER	CROSS OVER	CROSS OVER	CROSS OVER
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n
ARCHEOLOGICAL SITE	n	n	n
SURROUNDING STRUCTURES	d/s from entrance of Spring Lake	N/A	N/A
COMMERCIAL TRAFFIC LEVEL	?		
RECREATIONAL TRAFFIC LEVEL			
ESTIMATED DISTANCE TO THE SAILING LINE	268.8'	268.8'	268.8'
LAND USE ON BANK CREST	A (20' inside is corn field)	A (Corn)	A (Corn)
TYPE OF VEGETATION ON TOP OF BANK	Yes	G, W (Maple)	G, W (Maple)
TYPE OF VEGETATION AT SCARP FACE	G (weeds)	G, W (Maple)	G, W (Maple)
TYPE OF VEGETATION AT BENCH			
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	Some	Some	Smartweed on shore..20' from WE
OVERLAND DRAINAGE AT THE SITE	n	n	Exposed roots..3-4' exposure
BANK EROSION TYPE	RS, W, Tractive force	RS, W, Tractive force	None noted
SCARP HEIGHT	2.0'; 8.6'	5'	5'
SCARP SLOPE	0.20H:1V;0.30H:1V	5H:1V	5H:1V
SCARP SOIL TYPE	CL	CL	CL
BERM HEIGHT	2.4'	2.4'	2.5'
BERM WIDTH	7.9'	10'	10'
BERM SOIL TYPE	OH	OH	OH
UNDER WATER SLOPE	6.10H:1V	6.10H:1V	16.13H:1V
BENCH SEDIMENT TYPE	OH	OH	OH
SUBAQUEOUS 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	11:15AM	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	dh	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
SURROUNDING 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	None noted	Not much	Generally not exposed
OVERLAND DRAINAGE AT THE SITE		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
SUBAQUEOUS BENCH DESCRIPTION			Wavewashed gravel at shore very muddy out in water

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

	7	8	8
SITE NUMBER			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			
SURROUNDING STRUCTURES	tree lines land ? about 20'	Babbs Slough	Fallen tree w/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			
SURROUNDING 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	dh	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	
SURROUNDING 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
SUBAQUEOUS BENCH DESCRIPTION	Very thick sediment. Mostly fines	Sandy

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	10	11
DATE	29-Aug-95	30-Aug-95
TIME	06:20 PM	11:00 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	160.0	155.3
UTM X	278782.8	275633.8
UTM Y	4503756.5	4498857.0
BANK PROFILE TYPE	mp	up
RDB/LDB	RDB	RDB
POOL NAME	Peoria Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural
WINGDAM PRESENT OR NOT	n	n
ARCHEOLOGICAL SITE		
SURROUNDING 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'
LAND USE ON BANK CREST	G ₁ W (maple, elm,mulberry)	W (dia>1')
TYPE OF VEGETATION ON TOP OF BANK	G (Sparse), W	NO
TYPE OF VEGETATION AT SCARP FACE	W	Root System
TYPE OF VEGETATION AT BENCH	N/A	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)
BANK EROSION TYPE	P, W, R & T	P, W, R & T, C
SCARP HEIGHT	1.2'	1.8'
SCARP SLOPE	0.83H:1V	0.56H:1V
SCARP SOIL TYPE	SM	Clay
BERM HEIGHT		
BERM WIDTH		
BERM SOIL TYPE	SM	Clay
UNDER WATER SLOPE	5.59H:1V	10.53H:1V
BENCH SEDIMENT TYPE	Silt/clay	Fines
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	dh
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	
SURROUNDING 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, Poplar)	
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	4498947.7	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	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n
ARCHEOLOGICAL SITE			
SURROUNDING 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'	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	
SUBAQUEOUS 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	dh
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	n	n
ARCHEOLOGICAL SITE	n	n	n
SURROUNDING 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*	
SURROUNDING 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		13'	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	15	16
DATE	30-Aug-95	30-Aug-95	30-Aug-95	30-Aug-95	31-Aug-95
TIME	06:35 PM	06:45 PM	06:45 PM	07:10 PM	11:05 AM
RIVER	IL	IL	IL	IL	IL
RIVER MILE @ MIDPOINT	116.9	116.5	116.3	116.3	109.8
UTM X	236090.6	235627.9	235627.9	235208.9	228584.1
UTM Y	4461771.8	4461324.5	4461324.5	4460482.6	4454029.6
BANK PROFILE TYPE	up	mp	mp	dn	up
RDB/LDB	RDB	RDB	RDB	RDB	LDB
POOL NAME	Lagrange Pool	Lagrange Pool	Lagrange Pool	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND	INSIDE BEND
BANK TYPE	Natural	Natural	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n	n	n
ARCHEOLOGICAL SITE		n	n		y
SURROUNDING STRUCTURES	Levee?	N/A	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'	438'	344'	281.3'
LAND USE ON BANK CREST	G (mowed)			G (mowed)	W
TYPE OF VEGETATION ON TOP OF BANK		W	W	G (Tall Grass..6')	NO
TYPE OF VEGETATION AT SCARP FACE	G (tall grass..6')	G (weeds)	G (weeds)	G (Tall Grass..6')	G (young weeds)
TYPE OF VEGETATION AT BENCH	NONE	N/A	N/A	NONE	NONE
EXTENT OF TREE ROOT EXPOSURE ON BANK	NONE	NONE	NONE	NONE	Yes?
OVERLAND DRAINAGE AT THE SITE	Levee.None	None observed	None observed	None observed	
BANK EROSION TYPE	Flood, W, P	R & T, P, W	R & T, P, W	Flood, W, P, B	
SCARP HEIGHT	2.5'	2.7'	2.7'	2.0'	4.9'
SCARP SLOPE	0.28H:1V	0.04H:1V	0.04H:1V	0.45H:1V	0.41H:1V
SCARP SOIL TYPE		ML/CL	ML/CL		Clay
BERM HEIGHT	7.0'	2.5'	2.5'	8.1'	3.4'
BERM WIDTH	24.5'	7.9'	7.9'	22.9'	13.3'
BERM SOIL TYPE					
UNDER WATER SLOPE	8.10H:1V	9.52H:1V	9.52H:1V	10.99H:1V	6.99H:1V
BENCH SEDIMENT TYPE					
SUBAQUEOUS BENCH DESCRIPTION		Sandy..bare..no significant scarp			

FIELD DATA SUMMARY FOR SELECTED SITES FROM THE ILLINOIS RIVER

SITE NUMBER	16	17
DATE	31-Aug-95	31-Aug-95
TIME	10:25 AM	10:38 AM
RIVER	IL	IL
RIVER MILE @ MIDPOINT	109.5	109.4
UTMX	228297.8	
UTMY	4453967.3	
BANK PROFILE TYPE	mp	up
RDB/LDB	LDB	RDB
POOL NAME	Lagrange Pool	Lagrange Pool
GEOMORPHIC CHARACTER	INSIDE BEND	INSIDE BEND
BANK TYPE	Natural	
WINGDAM PRESENT OR NOT	n	
ARCHEOLOGICAL SITE	n	y
SURROUNDING STRUCTURES	N/A	no
COMMERCIAL TRAFFIC LEVEL		?
RECREATIONAL TRAFFIC LEVEL		
ESTIMATED DISTANCE TO THE SAILING LINE	250'	262.5'
LAND USE ON BANK CREST	W,G (Silver Maple)	W
TYPE OF VEGETATION ON TOP OF BANK	G,W	Yes
TYPE OF VEGETATION AT SCARP FACE	NONE	NONE
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
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
BENCH SEDIMENT TYPE		
SUBAQUEOUS 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 scarp 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		
SURROUNDING 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 V
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		
SUBAQUEOUS 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	dh
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	
SURROUNDING 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..filling 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	0.71 H: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	
SURROUNDING 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	dh	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		
SURROUNDING 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	
SURROUNDING 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		
SUBAQUEOUS 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	n
ARCHEOLOGICAL SITE	n	n
SURROUNDING 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, Locust?)	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		
SUBAQUEOUS 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	dh	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 roots 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	24
DATE	01-Sep-95	01-Sep-95	01-Sep-95
TIME	06:00 PM	06:00 PM	06:15 PM
RIVER	IL	IL	IL
RIVER MILE @ MIDPOINT	13.0	13.0	13.0
UTM X	189759.5	189759.5	189903.6
UTM Y	4327529.5	4327529.5	4327404.1
BANK PROFILE TYPE	mp	mp	dn
RDB/LDB	RDB	RDB	RDB
POOL NAME	Alton Pool	Alton Pool	Alton Pool
GEOMORPHIC CHARACTER	OUTSIDE BEND	OUTSIDE BEND	OUTSIDE BEND
BANK TYPE	Natural	Natural	Natural
WINGDAM PRESENT OR NOT	n	n	n
ARCHEOLOGICAL SITE			y
SURROUNDING STRUCTURES	d/s Hardy's landing	d/s Hardy's landing	
COMMERCIAL TRAFFIC LEVEL			?
RECREATIONAL TRAFFIC LEVEL		?	?
ESTIMATED DISTANCE TO THE SAILING LINE	437.5'	437.5'	437.5'
LAND USE ON BANK CREST	yes?	yes?	G(Weeds) W (tall trees)
TYPE OF VEGETATION ON TOP OF BANK	Yes	Yes	G (weeds), root
TYPE OF VEGETATION AT SCARP FACE	Yes	Yes	some
TYPE OF VEGETATION AT BENCH	Algae	Algae	
EXTENT OF TREE ROOT EXPOSURE ON BANK FACE	2' from crest. mature	2' from crest. mature	Young fine roots..2' from crest
OVERLAND DRAINAGE AT THE SITE	Wet line.2.5' above W.E.	Wet line.2.5' above W.E.	
BANK EROSION TYPE	F, P, W	F, P, W	
SCARP HEIGHT	4.9'	4.9'	2.0'
SCARP SLOPE	0.35H:1V	0.35H:1V	0.05H:1V
SCARP SOIL TYPE	Clay sample #1	Clay sample #1	
BERM HEIGHT	1.9'	1.9'	3.1'
BERM WIDTH	3.4'	3.4'	3.6'
BERM SOIL TYPE			
UNDER WATER SLOPE	11.40H:1V	11.40H:1V	25.00H:1V
BENCH SEDIMENT TYPE			
SUBAQUOUS BENCH DESCRIPTION			

