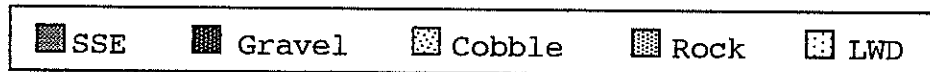
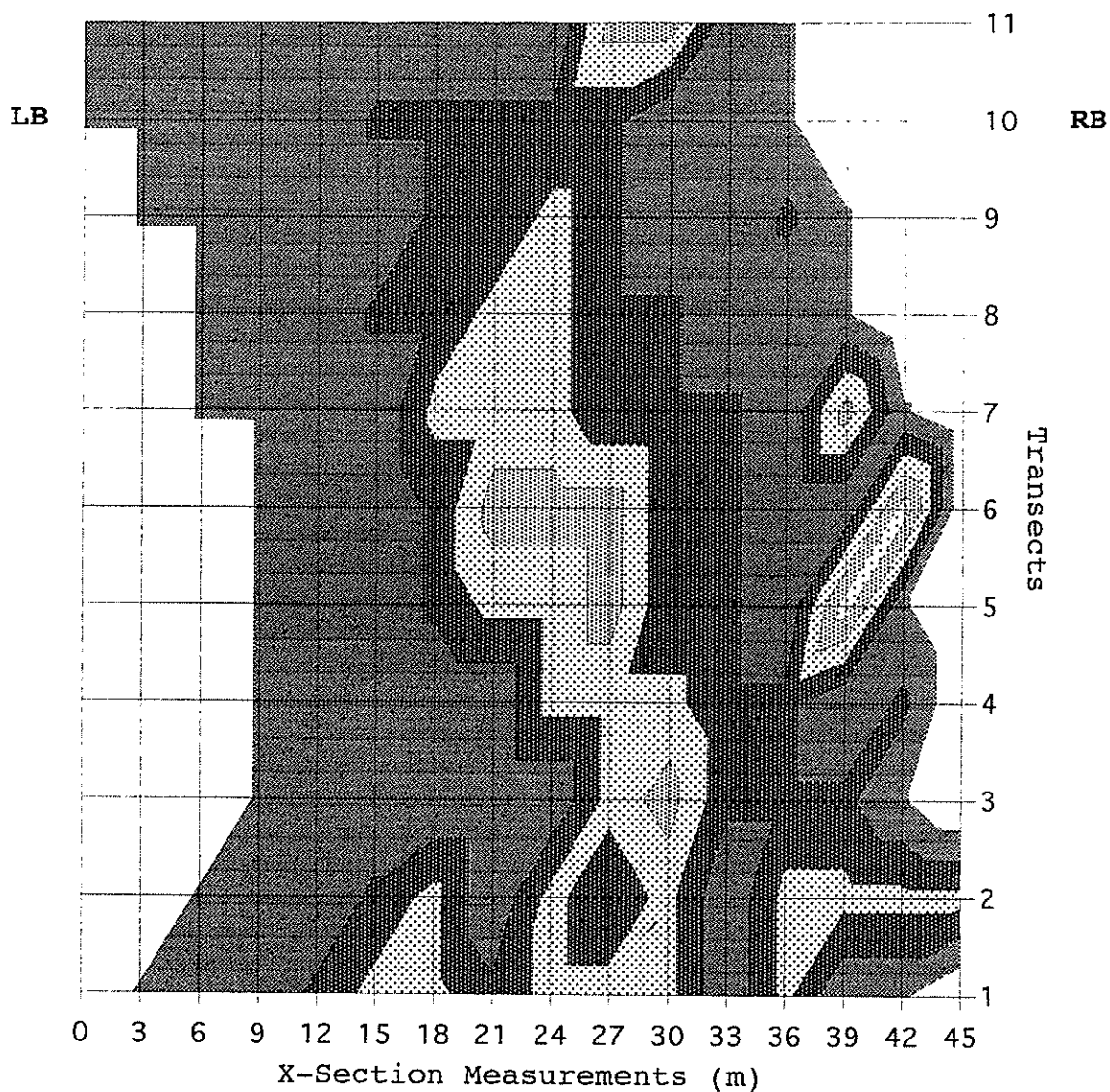
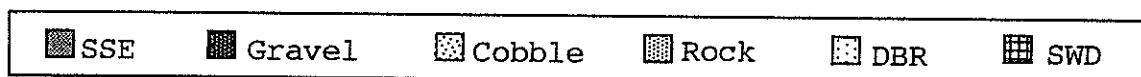
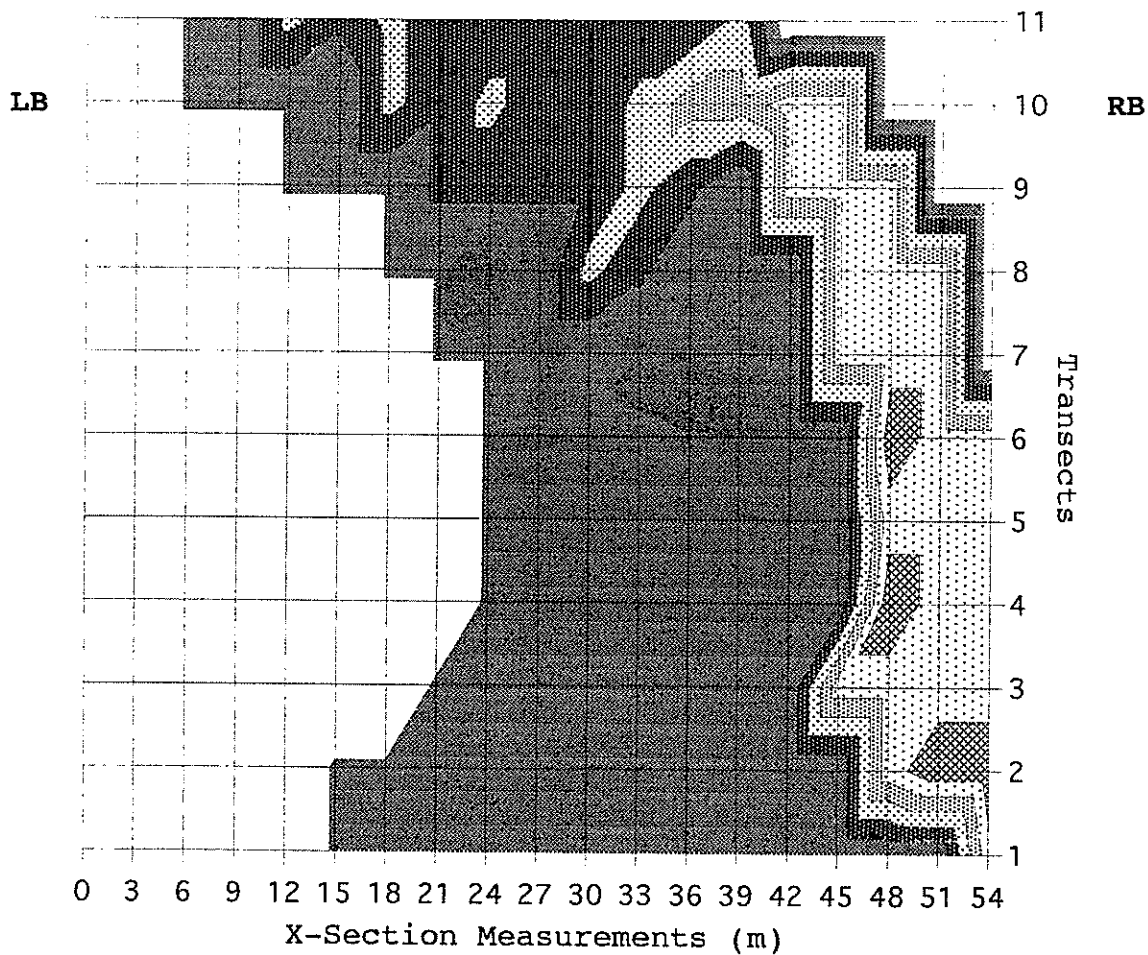


## Unit #6 Large Substrate Elements



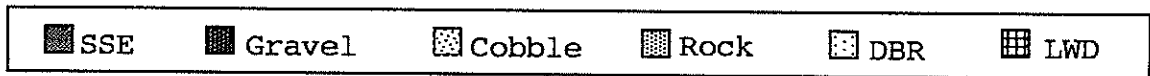
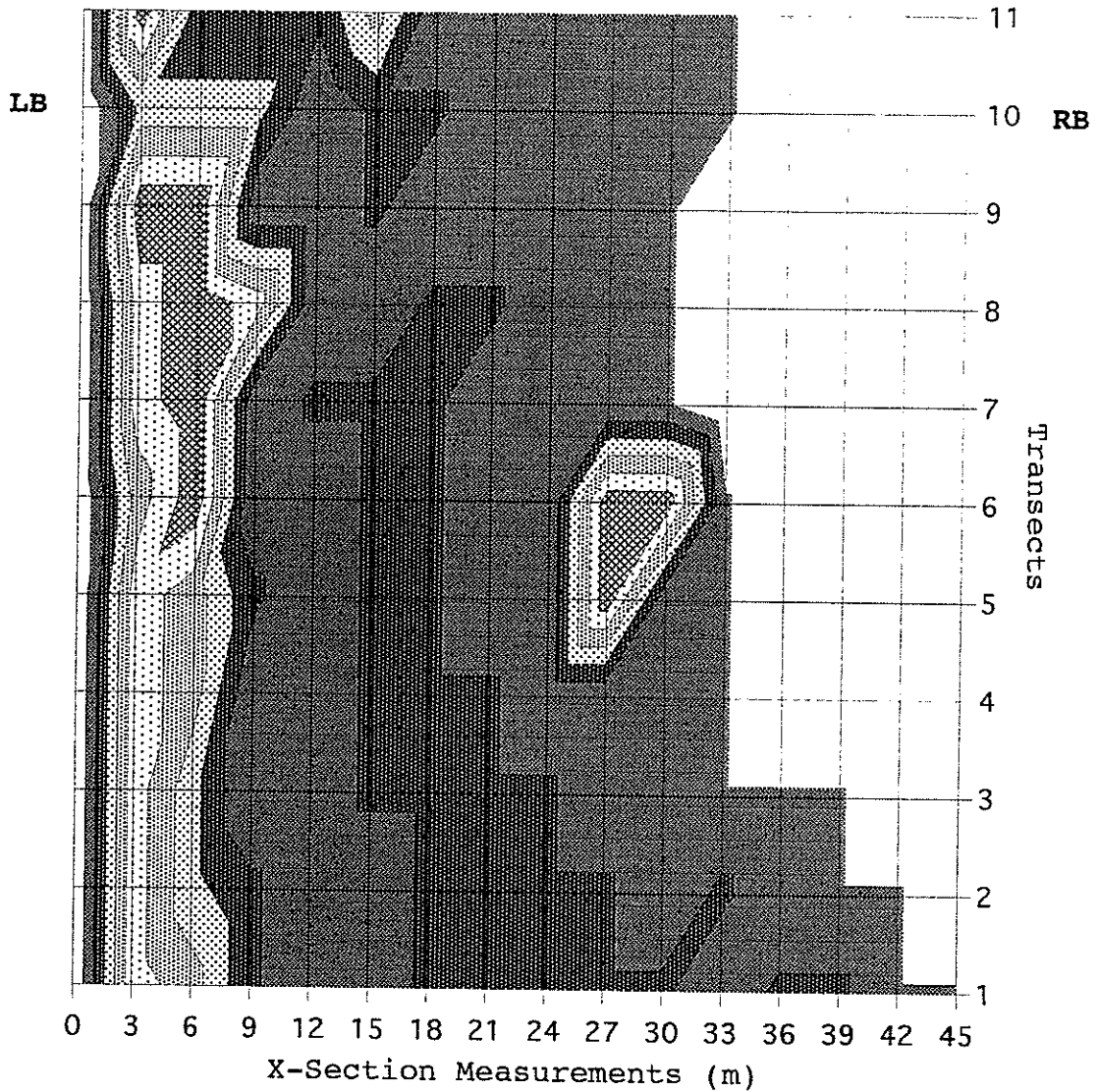
Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. LWD=large woody debris (continued).

## Unit #15 Large Substrate Elements



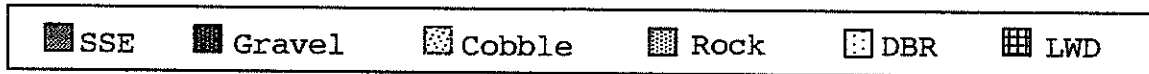
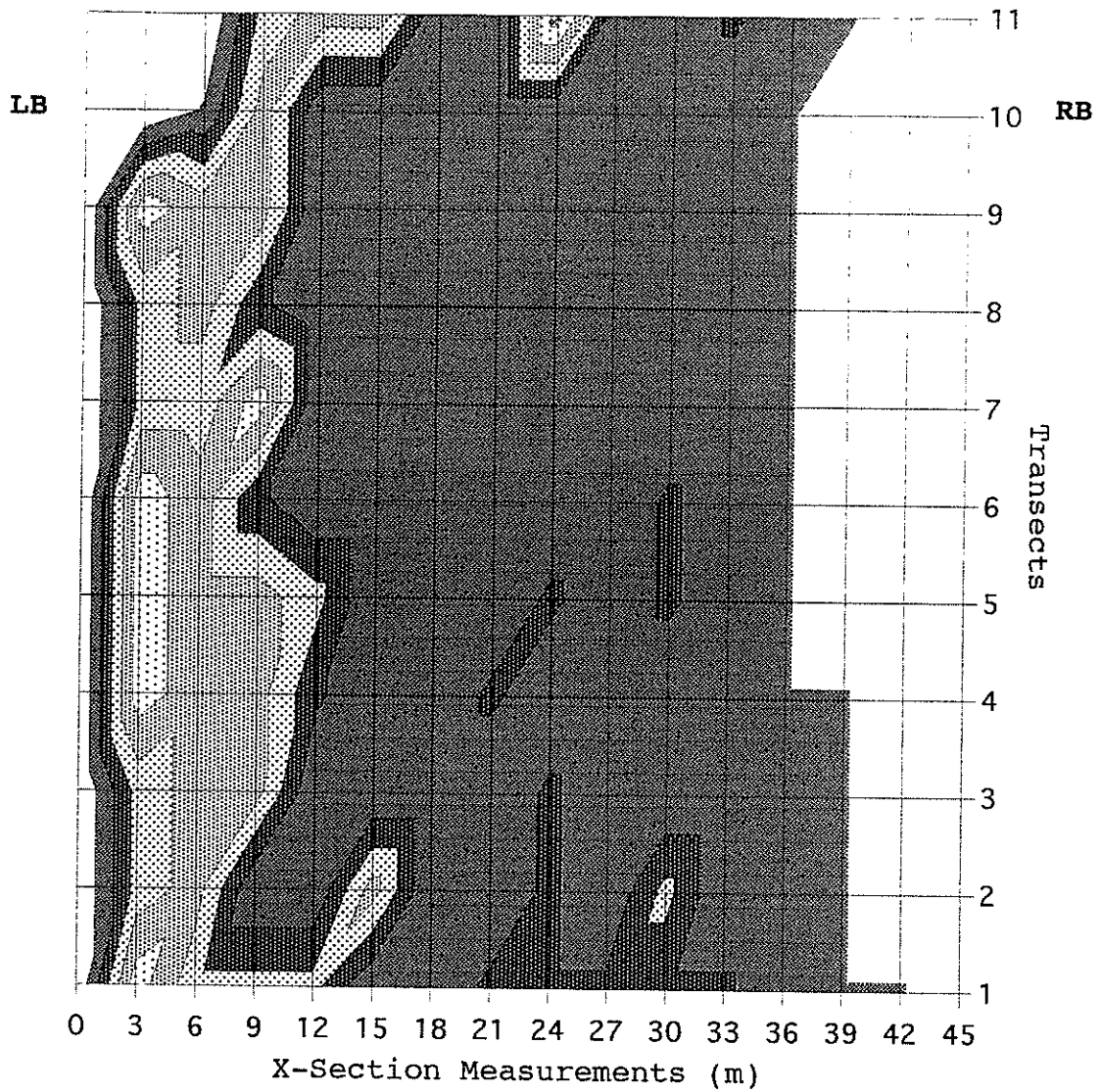
Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. DBR=diatomite bedrock, SWD=small woody debris (continued).

Unit #25 Large Substrate Elements



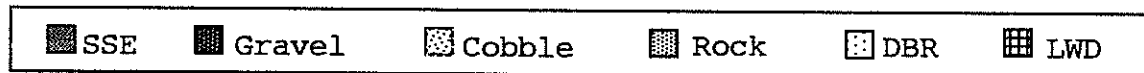
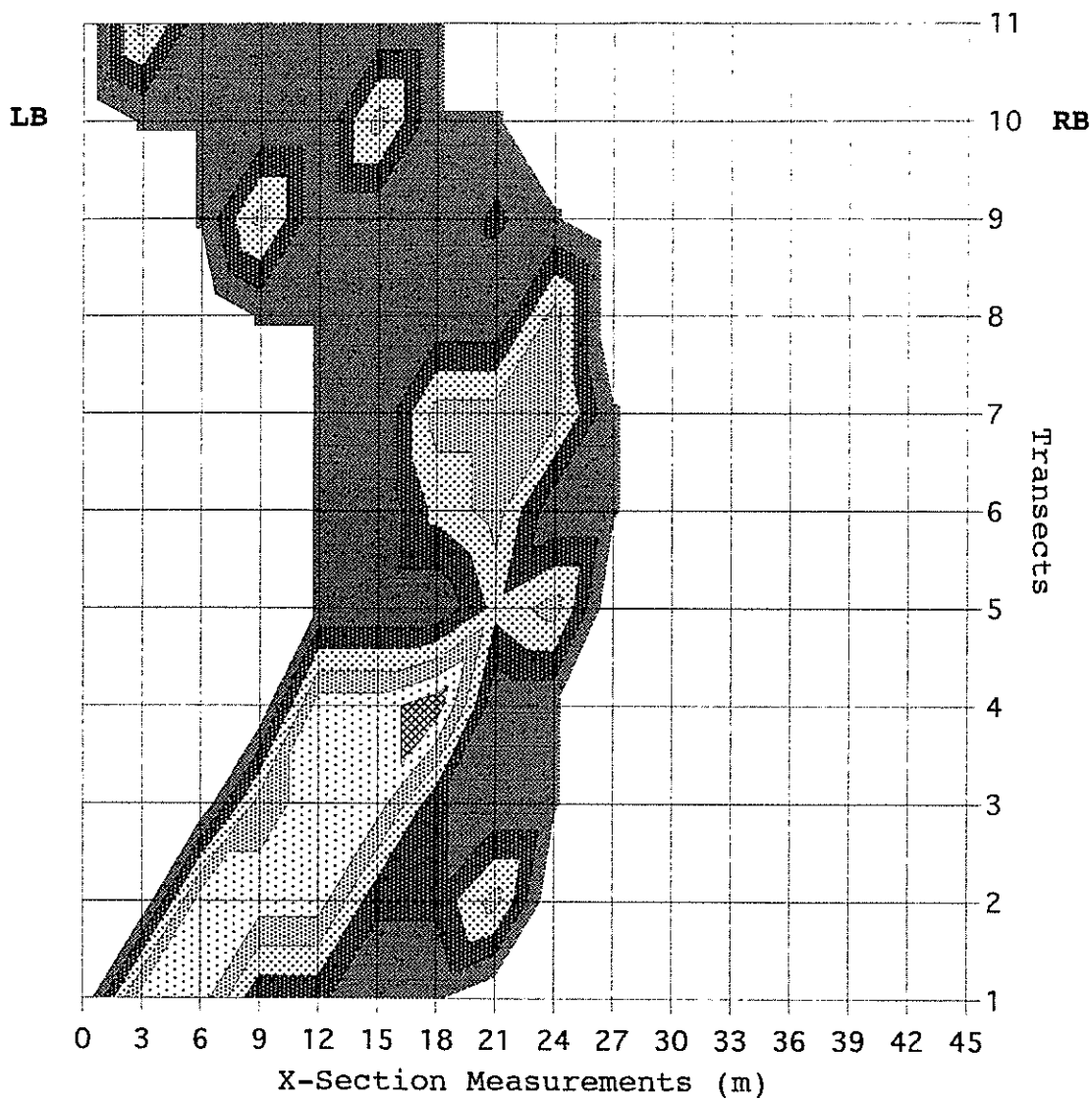
Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. DBR=diatomite bedrock, LWD=large woody debris (continued).

## Unit #29 Large Substrate Element



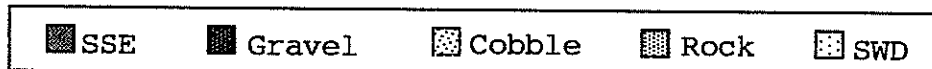
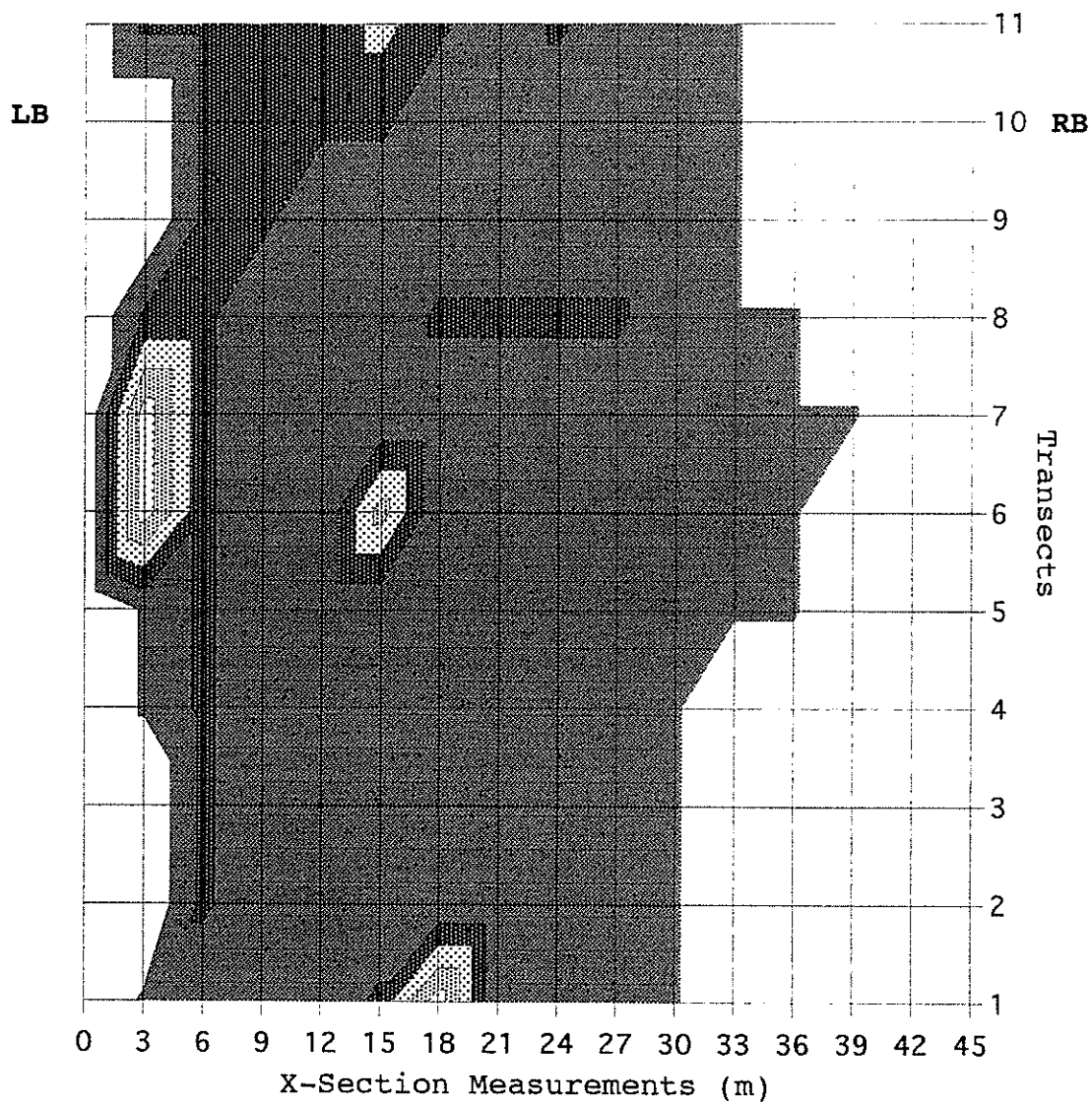
Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. DBR=Diatomite Bedrock, LWD=small woody debris (continued).

## Unit #32 Large Substrate Elements



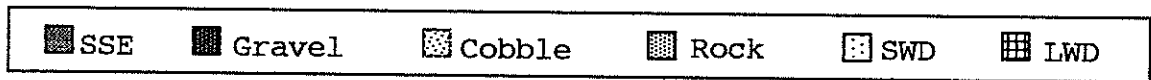
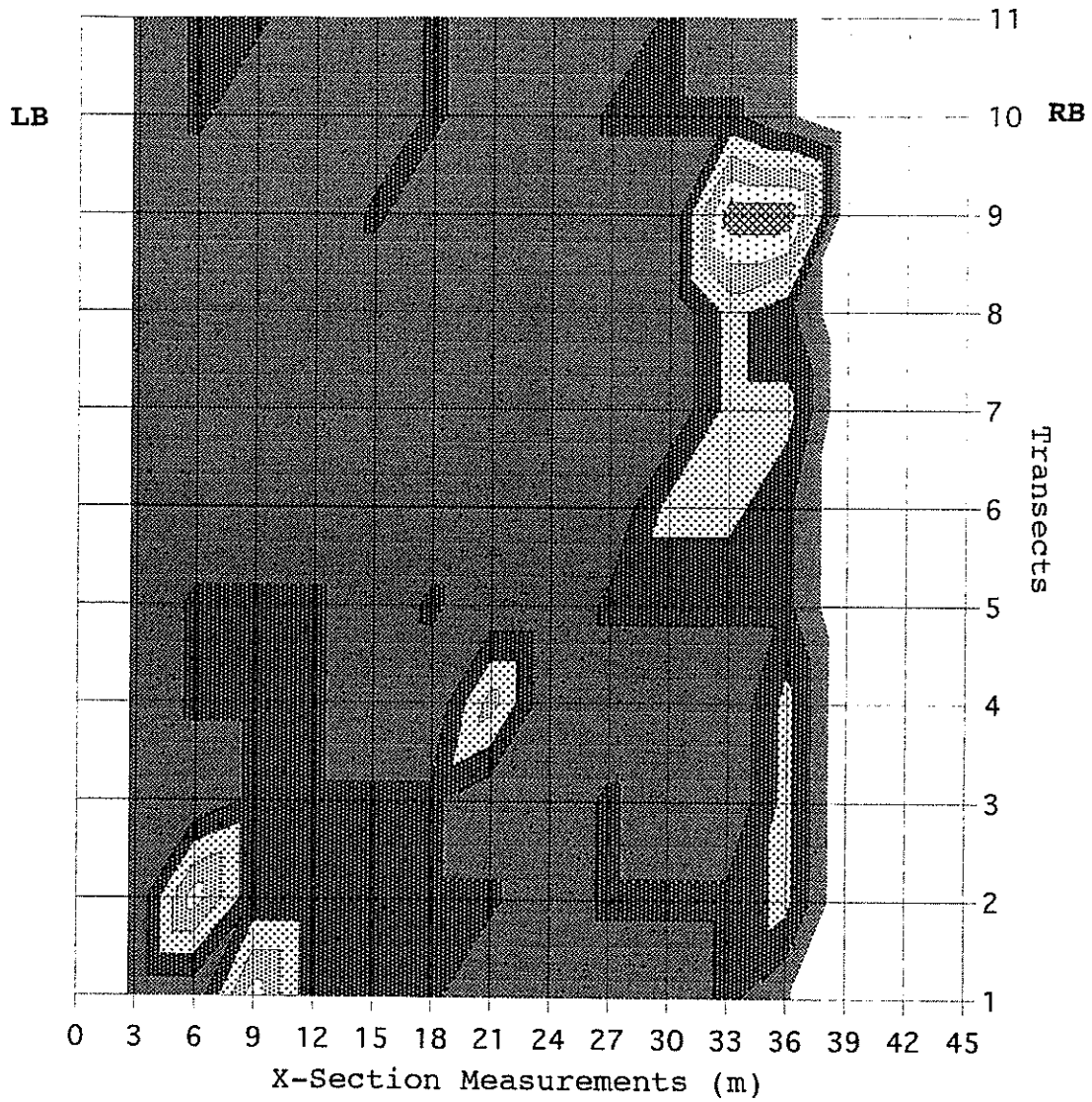
Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. DBR=diatomite bedrock, LWD=large woody debris (continued).

## Unit #36 Large Substrate Elements



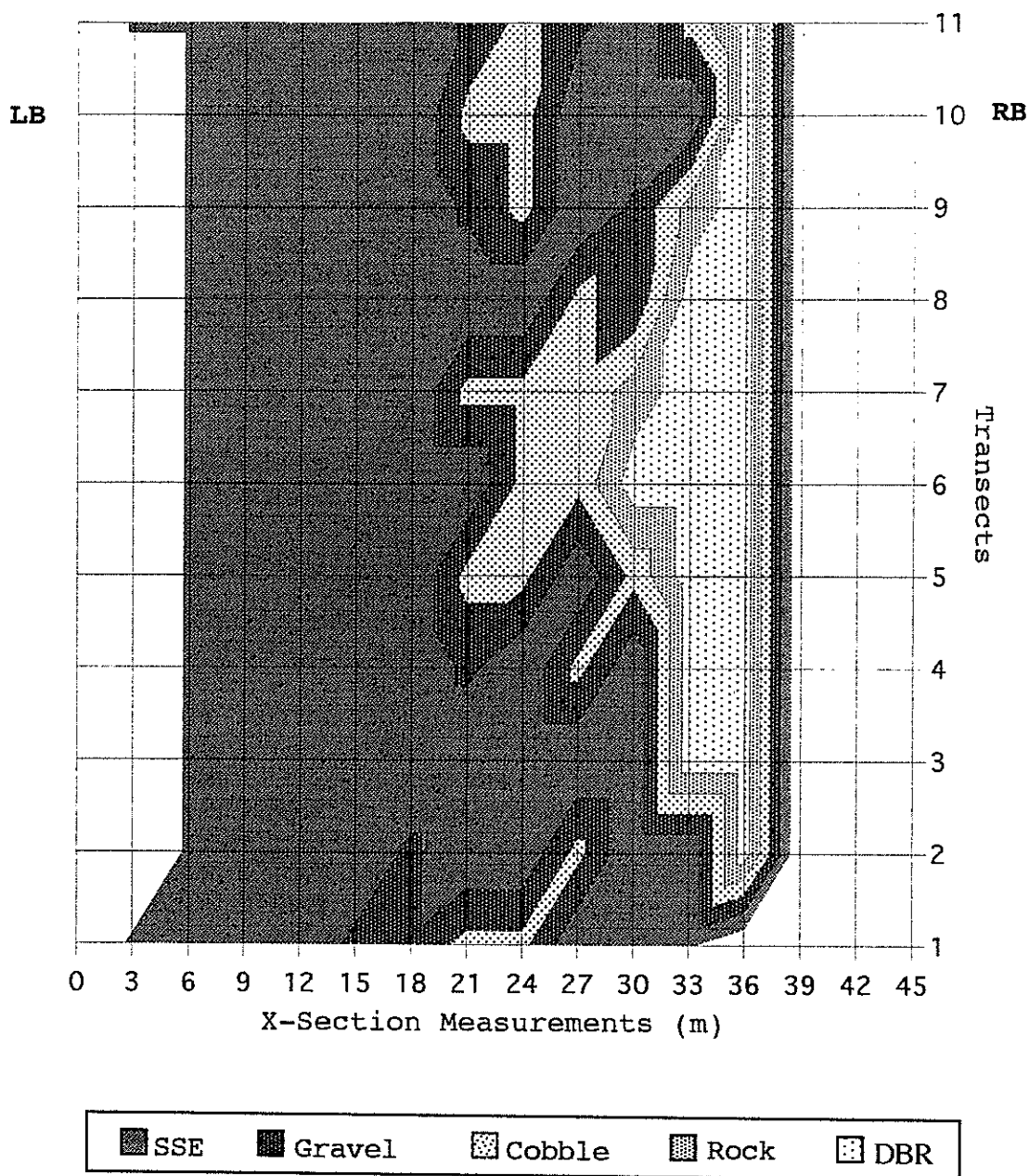
Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. SWD=small woody debris (continued).

Unit #46 Large Substrate Elements



Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. SWD=small woody debris, LWD=large woody debris (continued).

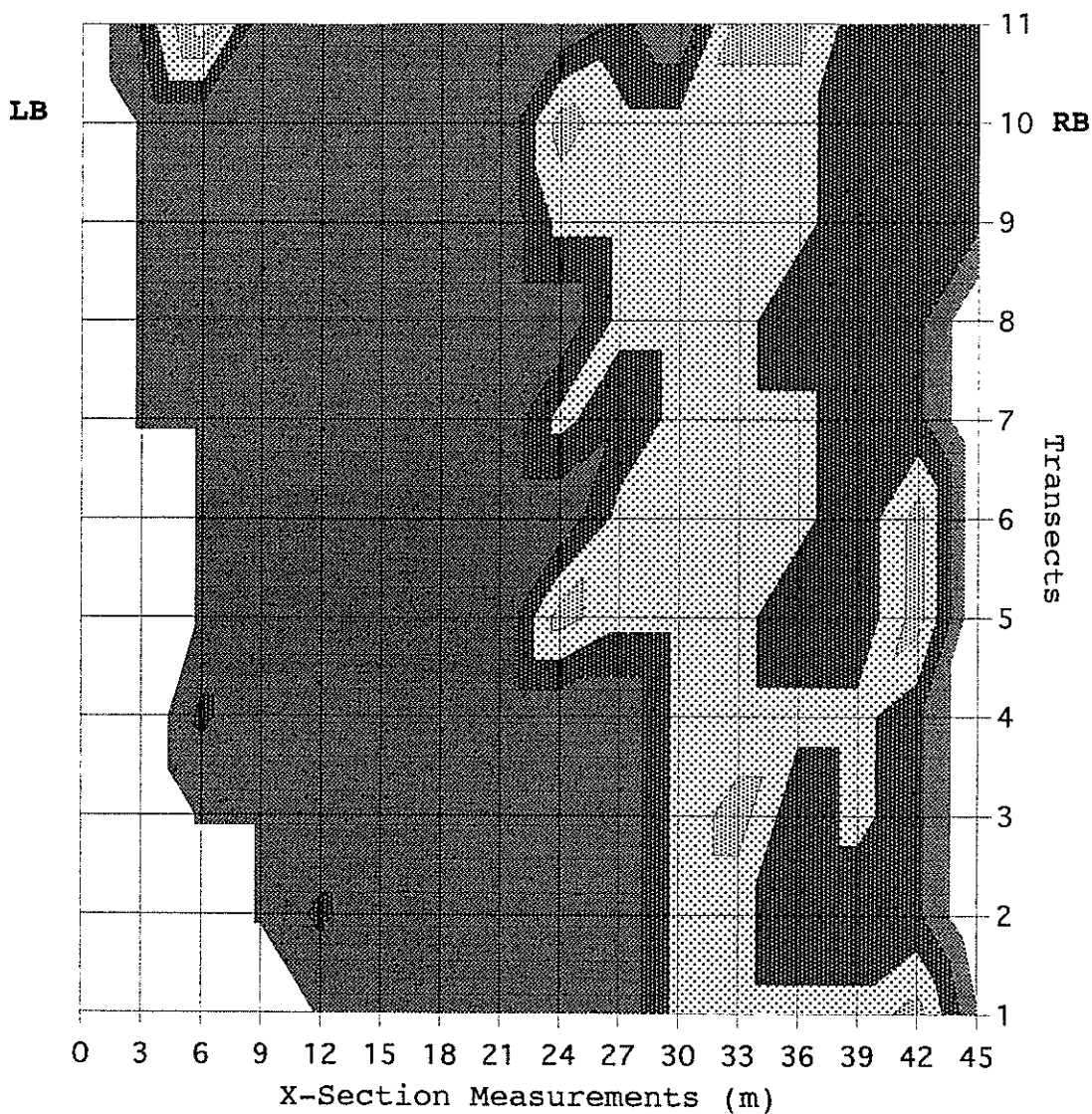
## Unit #50 Large Substrate Elements



Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. DBR=Diatomite Bedrock (continued).

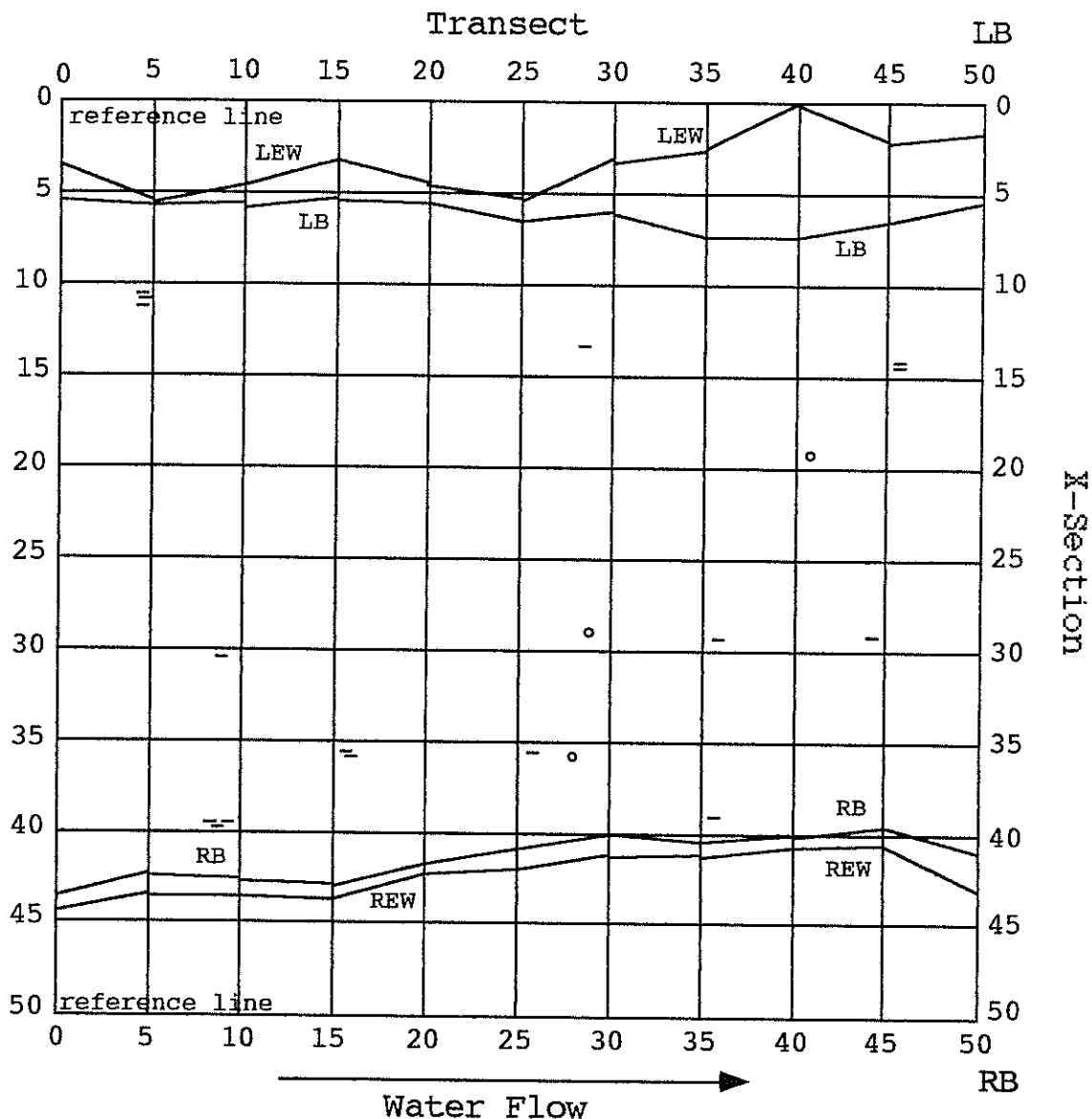


## Unit #60 Large Substrate Elements

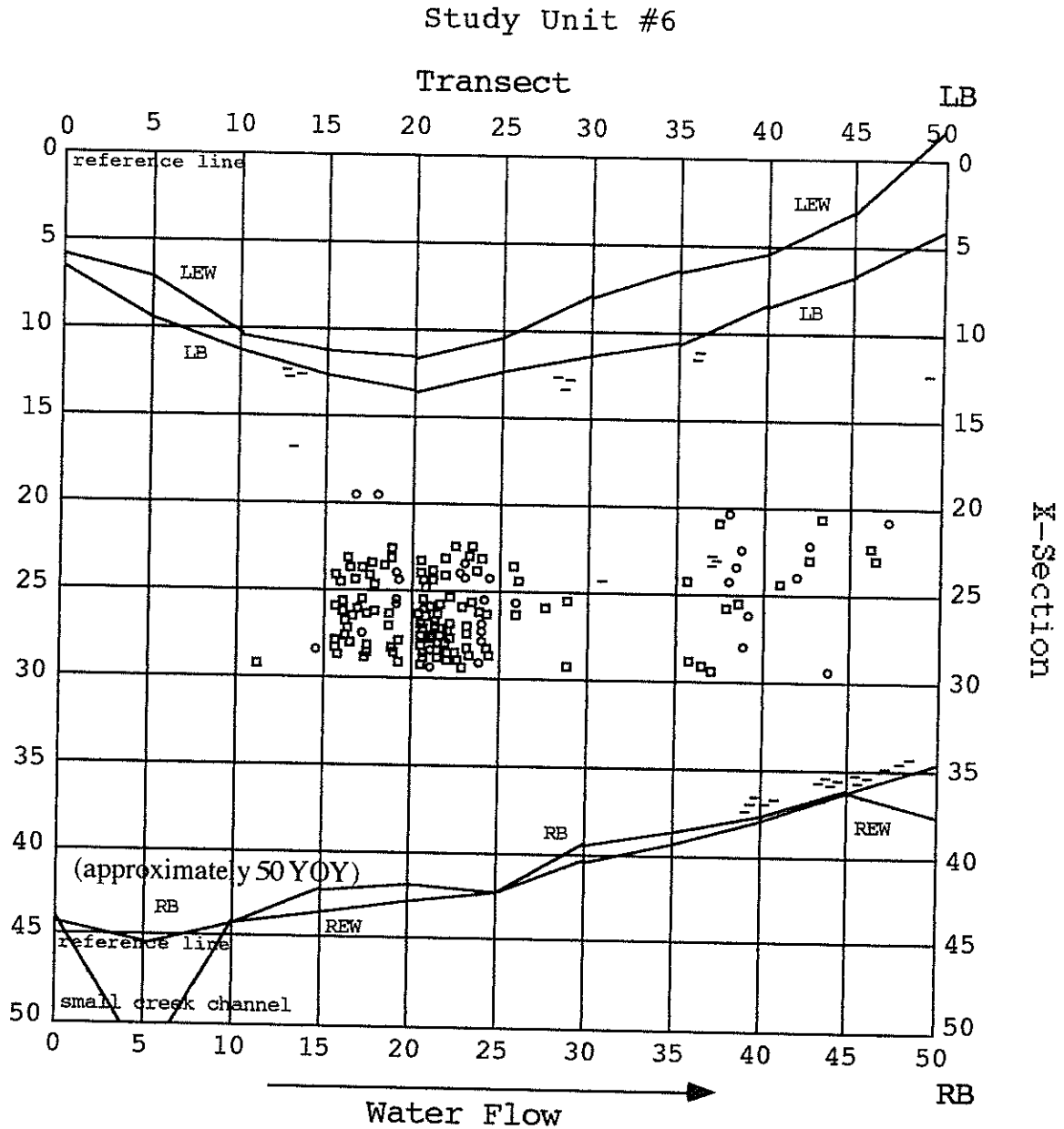


Appendix H. Substrate particle size measured at each corner of the study unit grid. Large substrate elements represent substrate that was gravel size or larger. Small substrate elements (SSE) were pebbles, sand, silt, mud, and sod. SWD=small woody debris, LWD=large woody debris (continued).

## Study Unit #2

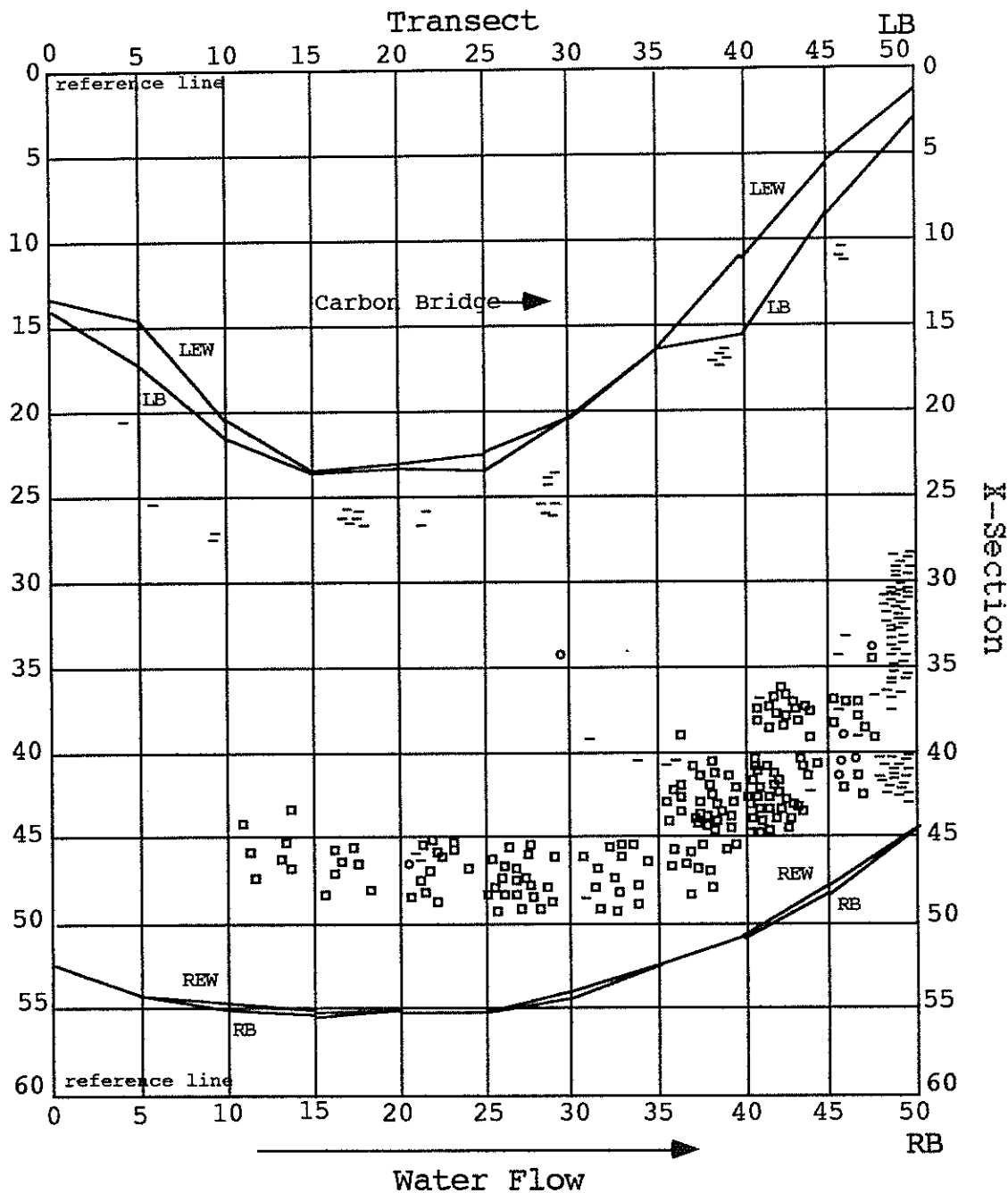


Appendix I. Unit 2, below Power House riffle. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. July 1994, lower Hat Creek California.



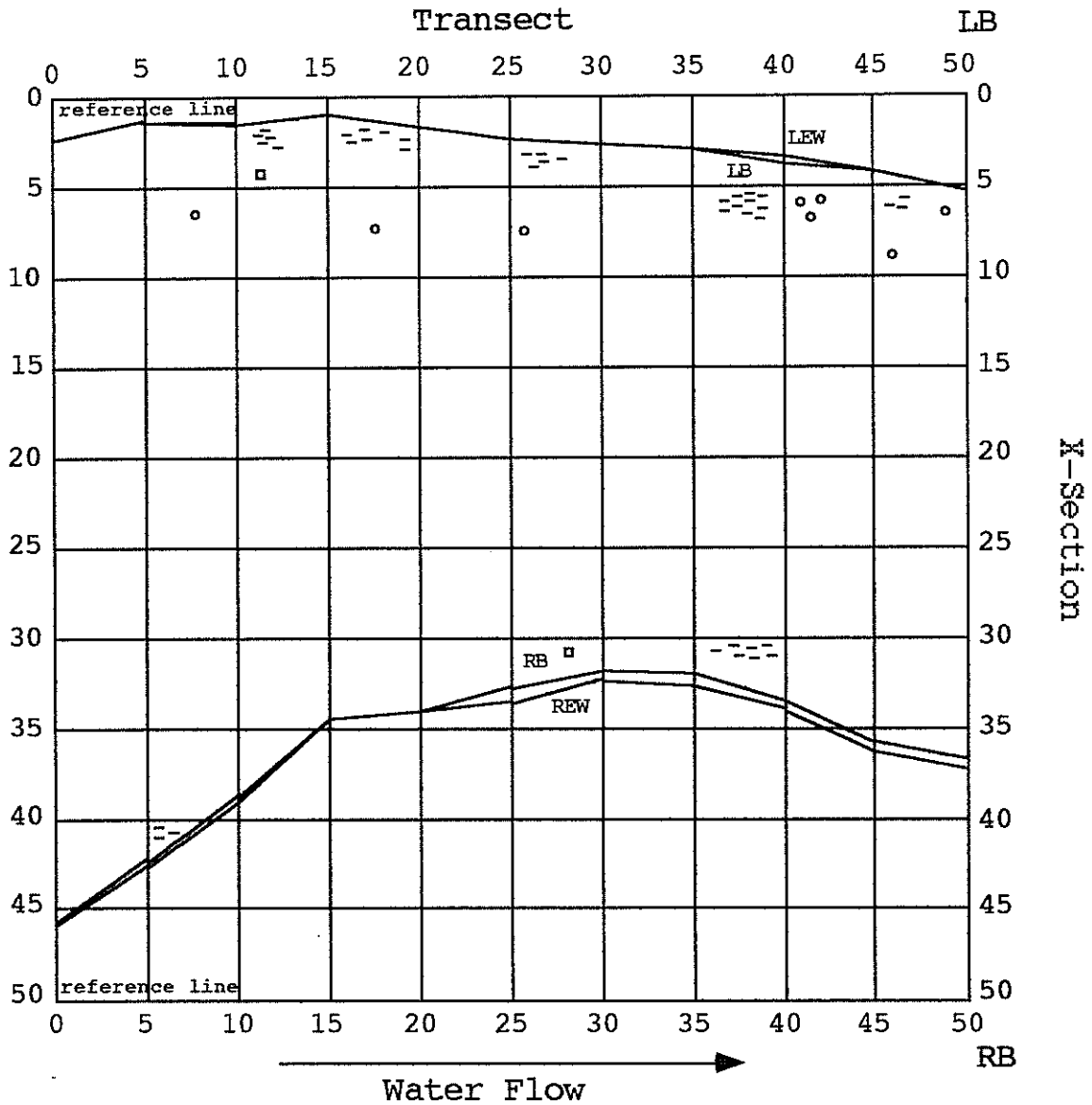
Appendix I. Unit 6, first bend downstream from the Power House. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. July 1994, lower Hat Creek California.

Study Unit #15



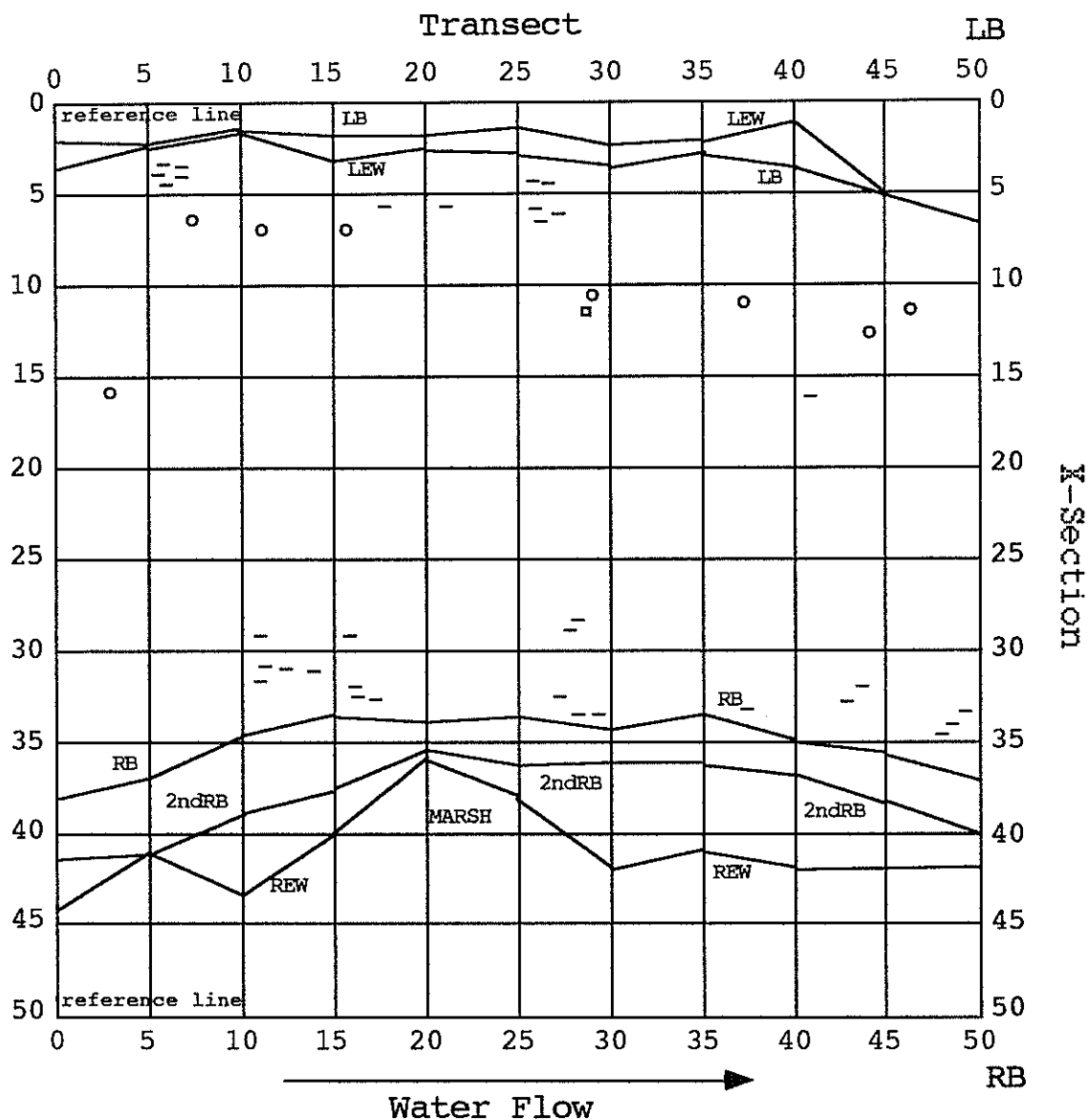
Appendix I. Unit 15, first bend upstream from Carbon Bridge site. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. August 1994, lower Hat Creek California.

Study Unit #25



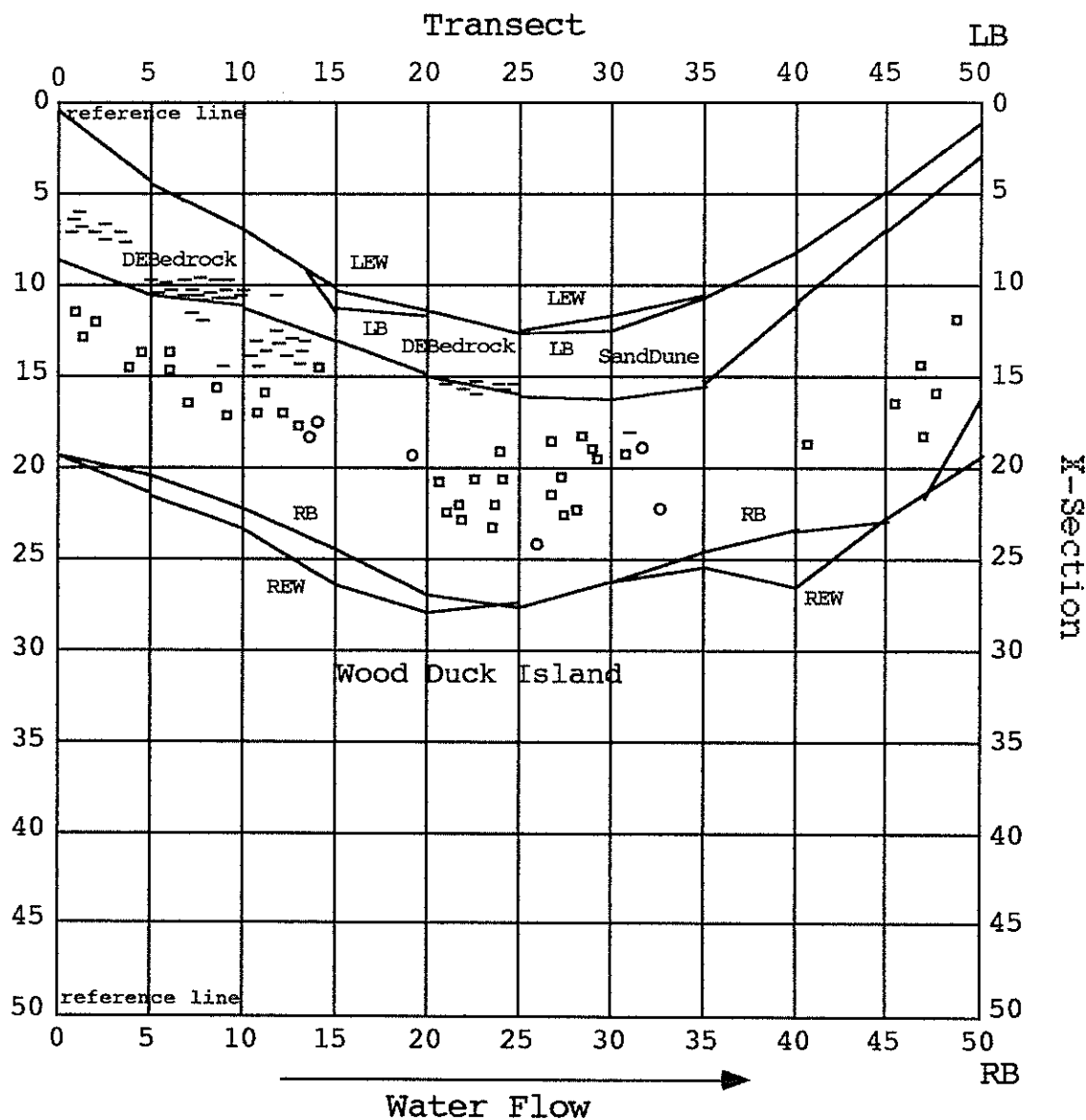
Appendix I. Unit 25, first bend downstream from Carbon Bridge site. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. August 1994, lower Hat Creek California.

## Study Unit #29



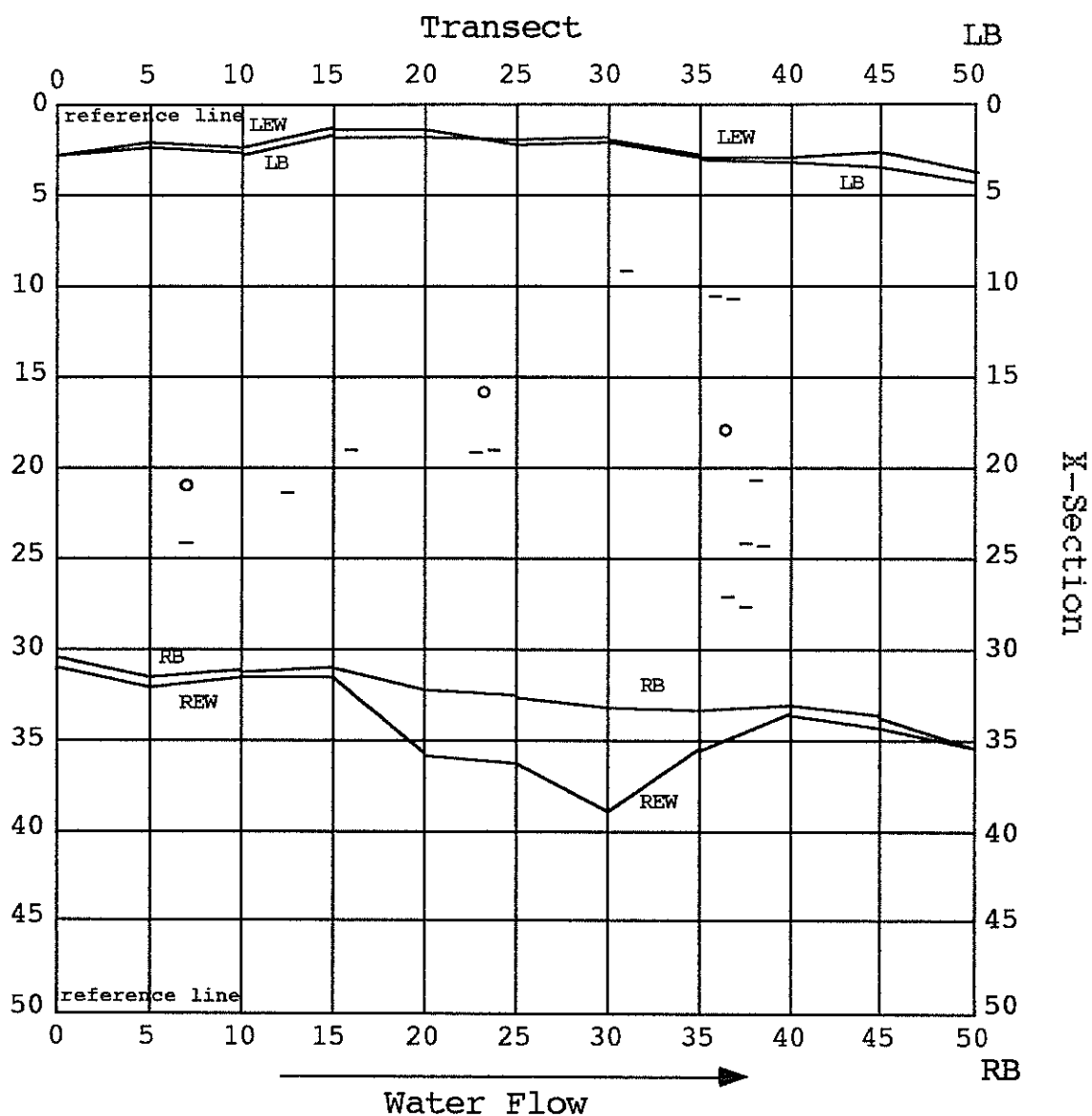
Appendix I. Unit 29, straight channel upstream from Wood Duck Island. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. August 1994, lower Hat Creek California.

## Study Unit #32



Appendix I. Unit 32, inside bend (subchannel) of Wood Duck Island. This unit was moved 16 m upstream due to a beaver dam on the right bank. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. August 1994, lower Hat Creek California.

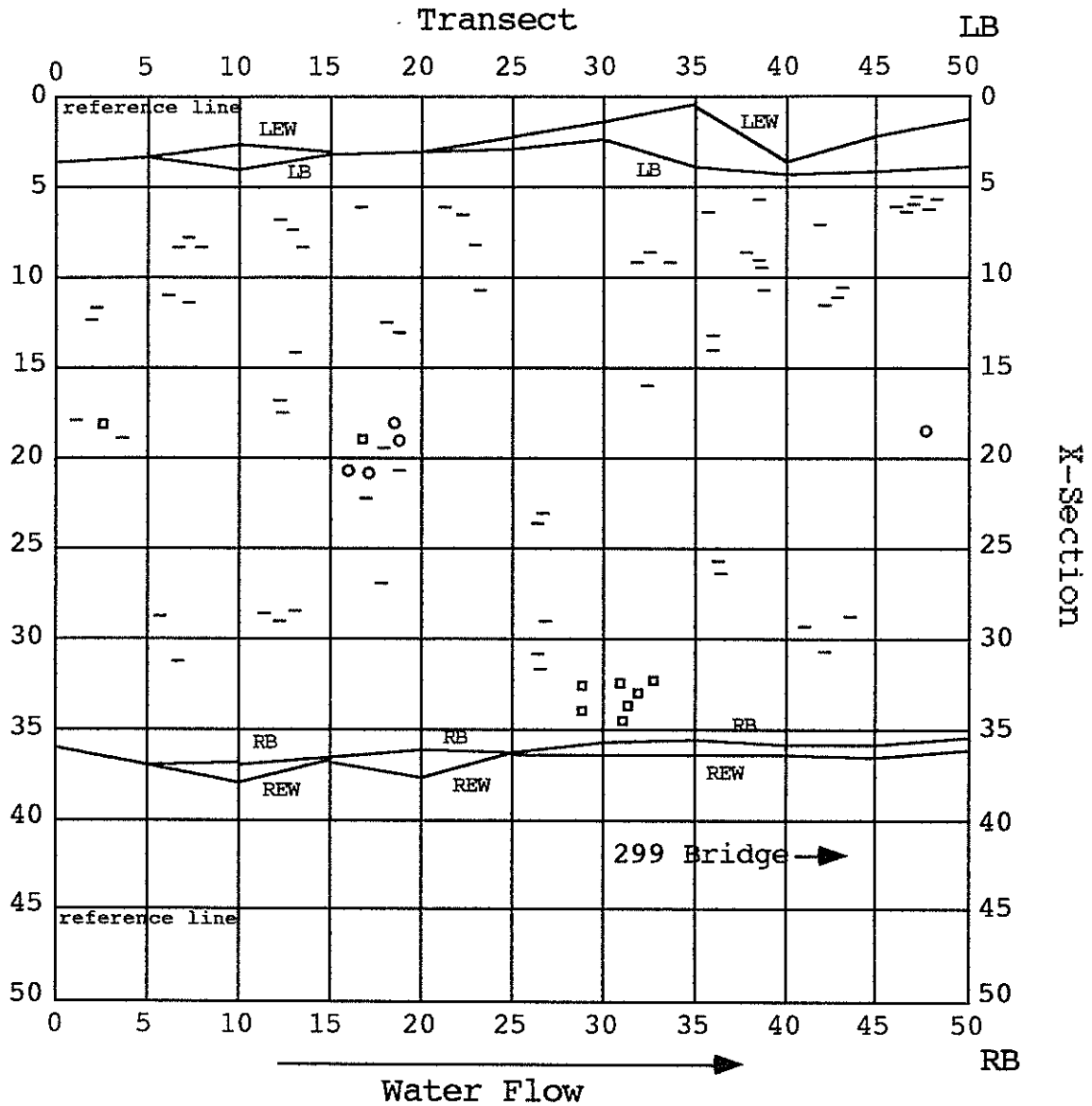
## Study Unit #36



Appendix I. Unit 36. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. August 1994, lower Hat Creek California.

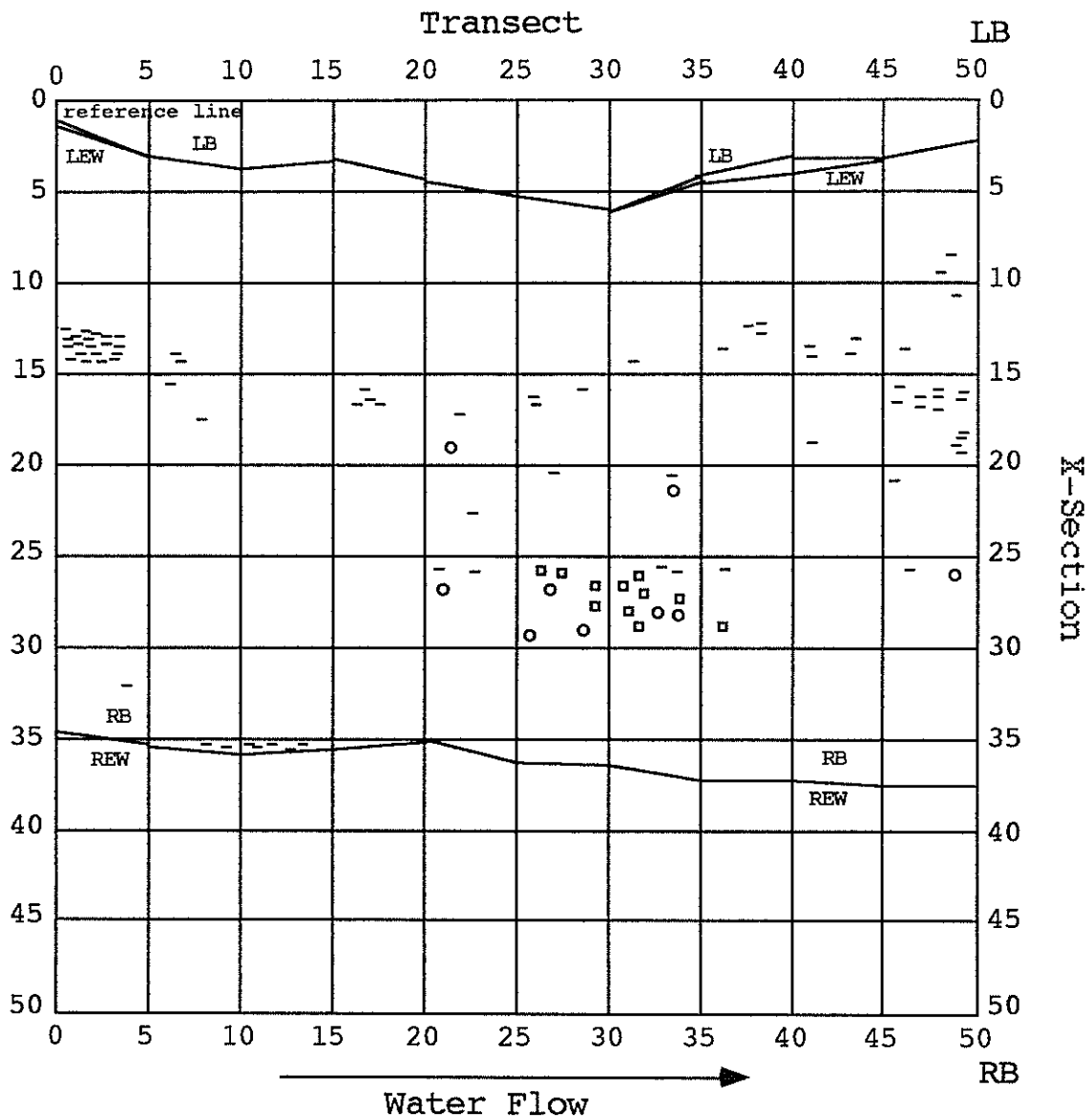


Study Unit #46



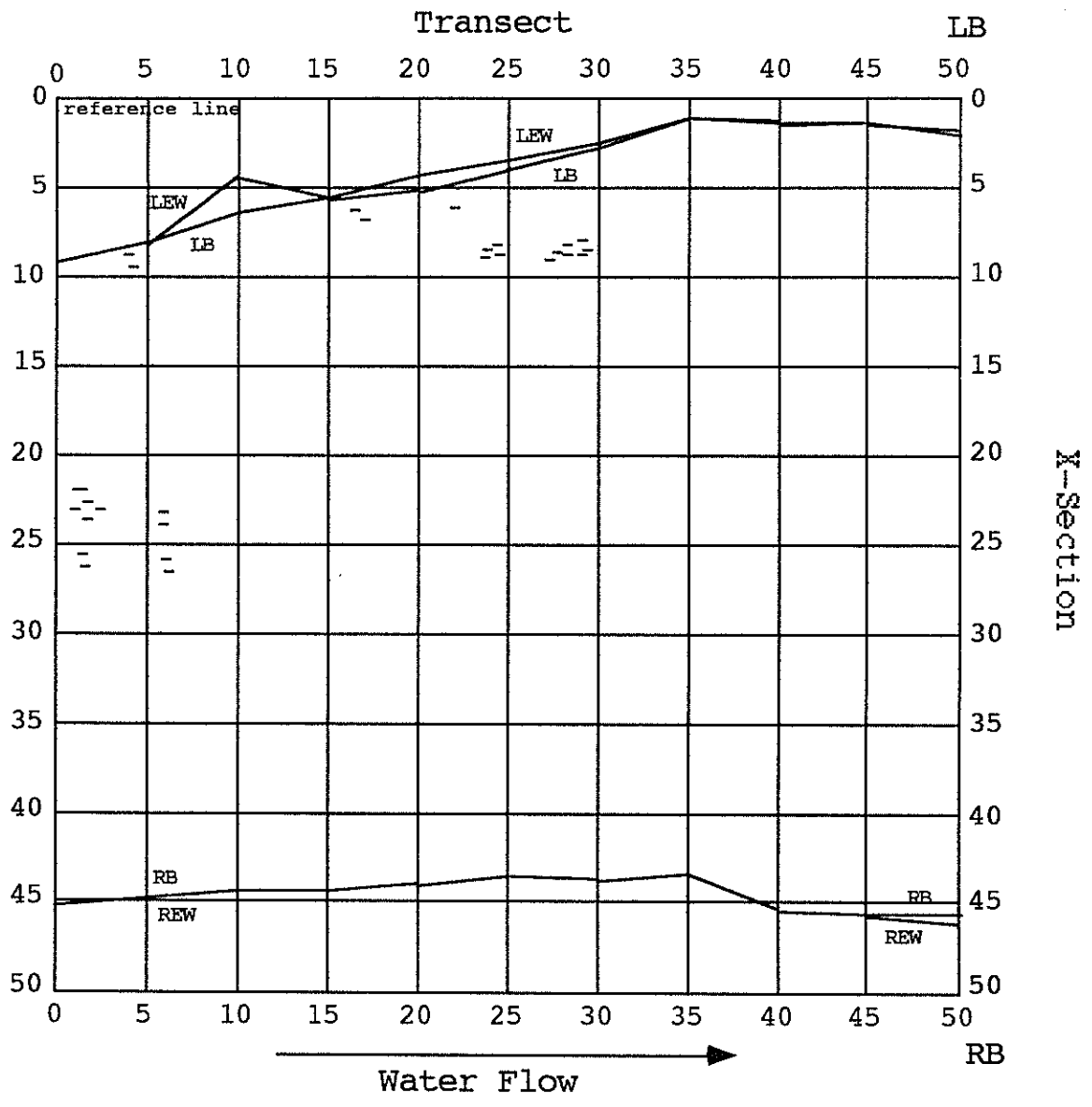
Appendix I. Unit 46, 100 m upstream from US Highway 299 bridge. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. August 1994, lower Hat Creek California.

## Study Unit #50



Appendix I. Unit 50, 100 m downstream from US Highway 299 bridge. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. August 1994, lower Hat Creek California.

Study Unit #60



Appendix I. Unit 60. Study unit maps with reference to the wetted channel, LB=left bank and LEW=left edge water, R=right. In most cases left and right banks were flooded. Observed YOY trout were referenced with a small horizontal dash, juvenile trout with a circle, and adult trout with a square. August 1994, lower Hat Creek California.

APPENDIX J. Number of Trout Observed by Bank Observation and Snorkeling for Each Study Unit. RB=Right Bank and LB= Left Bank.

Direct observation method per study unit	Number of trout observed per size-class							
	<100mm		150-200mm		250-350mm		>350mm	
	LB	RB	LB	RB	LB	RB	LB	RB
<b>Study Unit 2</b>								
Bankside Observ.								
Day 1	3	15	4	2	0	0	0	0
Day 2	2	7	4	3	0	0	0	0
Day 3*	6	10	1	1	0	0	0	0
Day 4	5	—	0	—	0	—	0	—
Mean		14		5		0		0
StDev		5		1		0		0
Snorkeling								
Pass 1		29		1		1		0
Pass 2		27		4		2		0
Pass 3		36		8		1		0
Mean		31		4		1		0
StDev		5		4		1		0
<b>Study Unit 6</b>								
Bankside Observ.								
Day 1	9	92	5	14	0	47	0	0
Day 2	—	—	—	—	—	—	—	—
Day 3	10	65	2	11	0	114	0	28
Day 4*	5	69	0	12	0	96	0	24
Mean		83		15		86		17
StDev		38		6		52		15
Snorkeling								
Pass 1		3		6		41		21
Pass 2		27		17		58		20
Pass 3		81		13		82		30
Mean		37		12		60		24
StDev		40		6		21		6
<b>Study Unit 15</b>								
Bankside Observ.								
Day 1	4	37	5	13	0	143	0	19
Day 2	17	31	0	11	0	97	0	48
Day 3	14	26	0	12	0	102	0	43
Day 4*	27	33	0	6	0	88	0	63
Mean		47		12		108		43
StDev		11		6		60		26
Snorkeling								
Pass 1		88		31		64		30
Pass 2		83		33		70		30
Pass 3		74		34		70		30
Mean		82		33		68		30
StDev		7		2		3		0

APPENDIX J. Number of Trout Observed by Bank Observation and Snorkeling for Each Study Unit. RB=Right Bank and LB=Left Bank (continued).

Direct observation method per study unit	Number of trout observed per size-class							
	<100mm		150-200mm		250-350mm		>350mm	
	LB	RB	LB	RB	LB	RB	LB	RB
<b>Study Unit 25</b>								
<b>Bankside Observ.</b>								
Day 1	39	1	5	0	0	1	0	0
Day 2*	20	7	8	0	1	0	0	0
Day 3	15	7	7	0	0	0	0	0
Day 4	18	7	12	0	0	0	0	0
Mean		29		8		1		0
StDev		12		5		0		0
<b>Snorkeling</b>								
Pass 1		14		3		1		0
Pass 2		15		6		1		0
Pass 3		32		3		2		1
Mean		20		4		1		0
StDev		10		2		1		1
<b>Study Unit 29</b>								
<b>Bankside Observ.</b>								
Day 1*	6	20	4	0	1	0	0	0
Day 2	13	27	8	0	3	0	0	0
Day 3	6	—	5	—	1	—	1	—
Day 4	11	—	5	—	1	—	1	—
Mean		33		6		2		0
StDev		9		4		1		0
<b>Snorkeling</b>								
Pass 1		20		1		1		
Pass 2		25		1		0		0
Pass 3		21		0		1		0
Mean		22		1		1		0
StDev		3		1		1		0
<b>Study Unit 32</b>								
<b>Bankside Observ.</b>								
Day 1	10	3	9	6	6	6	1	3
Day 2	10	18	4	2	4	10	5	2
Day 3	—	57	—	2	—	38	—	11
Day 4*	—	48	—	5	—	28	—	10
Mean		37		7		23		8
StDev		23		3		14		4
<b>Snorkeling</b>								
Pass 1		23		10		16		10
Pass 2		40		8		16		12
Pass 3		41		6		14		12
Mean		35		8		15		11
StDev		10		2		1		1

APPENDIX J. Number of Trout Observed by Bank Observation  
and Snorkeling for Each Study Unit. RB=Right Bank and  
LB=Left Bank (continued).

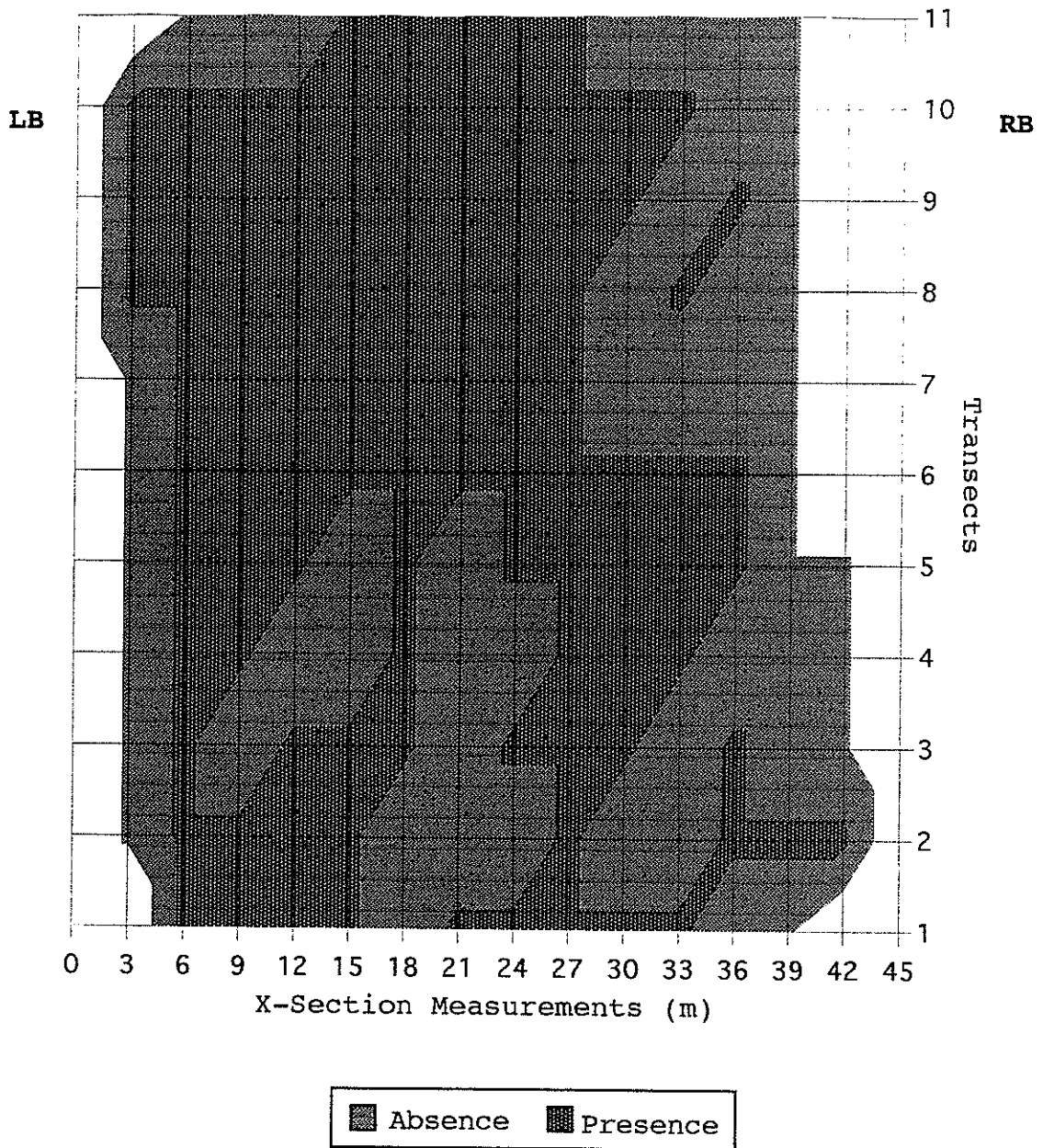
Direct observation method per study unit	Number of trout observed per size-class							
	<100mm		150-200mm		250-350mm		>350mm	
	LB	RB	LB	RB	LB	RB	LB	RB
Study Unit 36								
Bankside Observ.								
Day 1	—	—	—	—	—	—	—	—
Day 2	6	2	0	0	0	0	0	0
Day 3	4	7	0	0	0	0	0	0
Day 4*	0	13	0	3	0	0	0	0
Mean		11		1		0		0
StDev		5		1		0		0
Snorkeling								
Pass 1		12		2		0		0
Pass 2		22		0		0		0
Pass 3		15		1		0		0
Mean		16		1		0		0
StDev		5		1		0		0
Study Unit 46								
Bankside Observ.								
Day 1	35	59	0	3	0	6	0	0
Day 2	27	25	11	5	0	3	0	0
Day 3	29	33	6	5	0	16	0	0
Day 4*	43	24	0	6	0	9	0	0
Mean		73		10		5		0
StDev		16		5		3		0
Snorkeling								
Pass 1		37		3		1		0
Pass 2		22		2		0		0
Pass 3		18		1		0		0
Mean		26		2		0		0
StDev		10		1		1		0
Study Unit 50								
Bankside Observ.								
Day 1	12	30	0	7	0	3	0	0
Day 2*	13	33	0	8	0	5	0	0
Day 3	30	44	0	8	0	10	0	0
Day 4	50	12	0	10	0	5	0	0
Mean		56		8		6		0
StDev		15		4		4		0
Snorkeling								
Pass 1		34		1		0		0
Pass 2		11		0		2		0
Pass 3		8		1		2		0
Mean		18		1		1		0
StDev		14		1		1		0

APPENDIX J. Number of Trout Observed by Bank Observation  
and Snorkeling for Each Study Unit. RB=Right Bank and  
LB=Left Bank (continued).

Direct observation method per study unit	Number of trout observed per size-class							
	<100mm		150-200mm		250-350mm		>350mm	
	LB	RB	LB	RB	LB	RB	LB	RB
Study Unit 60								
Bankside Observ.								
Day 1	7	9	0	0	0	0	0	0
Day 2*	6	12	0	0	0	0	0	0
Day 3	16	9	0	0	0	0	0	0
Day 4	8	7	0	0	0	0	0	0
Mean		19		0		0		0
StDev		3		0		0		0
Snorkeling								
Pass 1		27		0		0		0
Pass 2		23		0		0		0
Pass 3		20		0		0		0
Mean		23		0		0		0
StDev		4		0		0		0

\*Day where observation conditions were optimal.

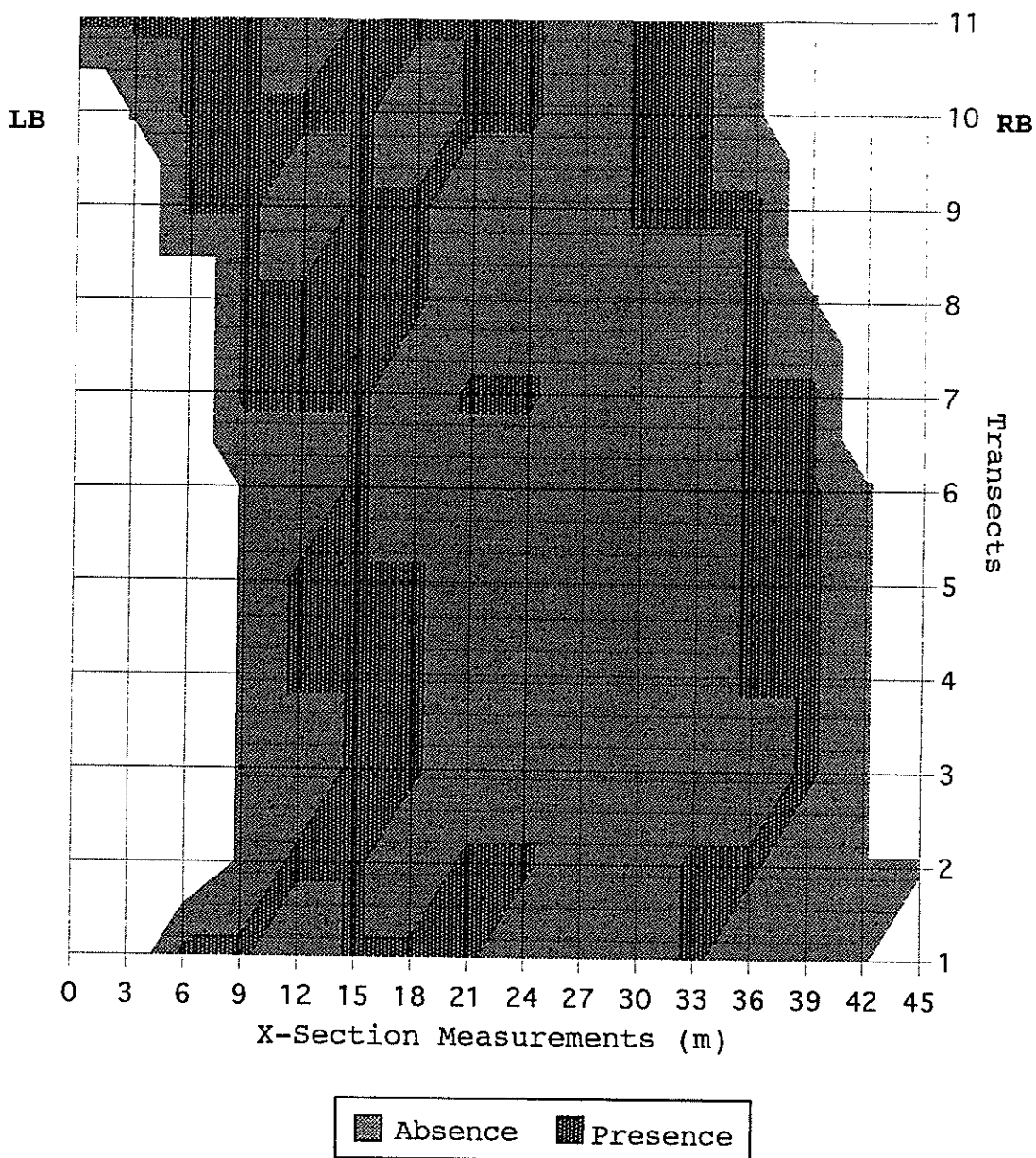
Unit #2 Submersed Macrophyte Distribution



Appendix K. Study unit #2 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid.

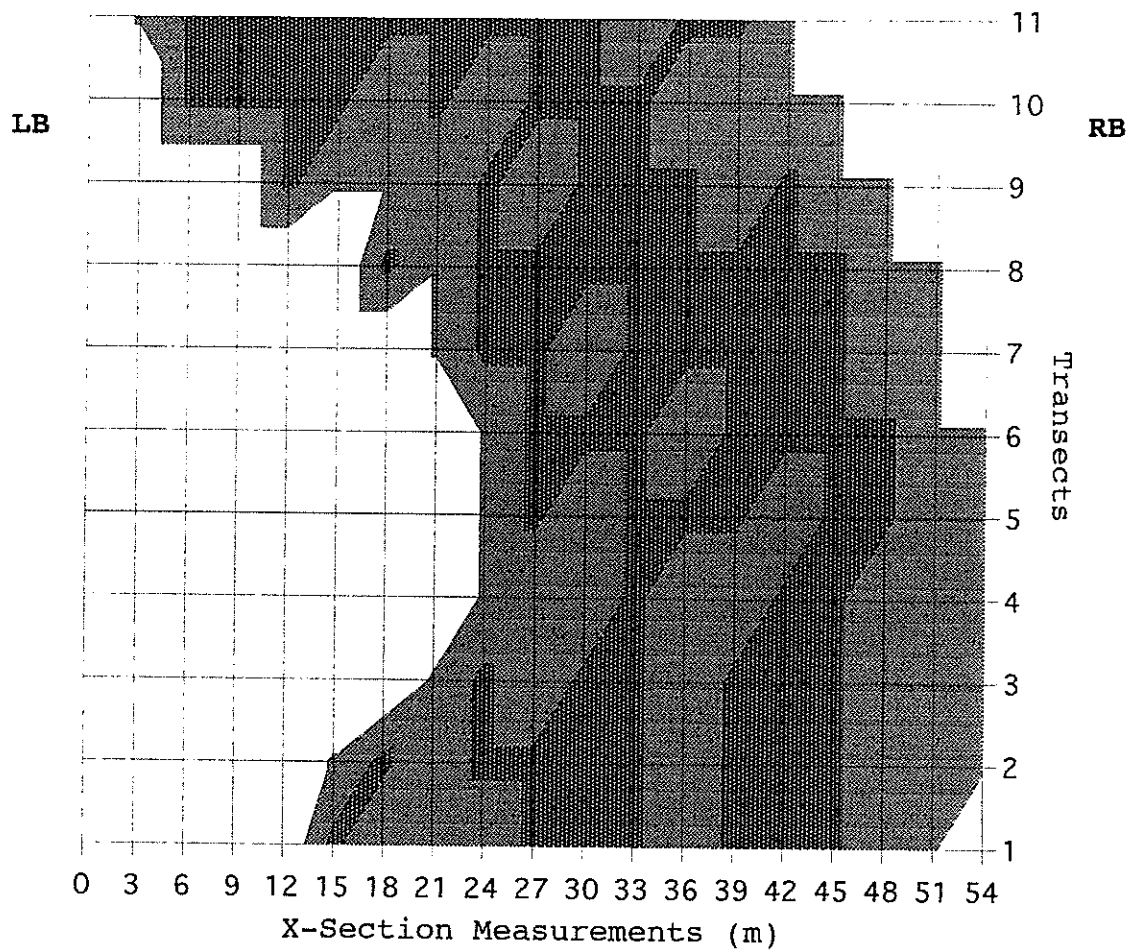


## Unit #6 Submersed Macrophyte Distribution



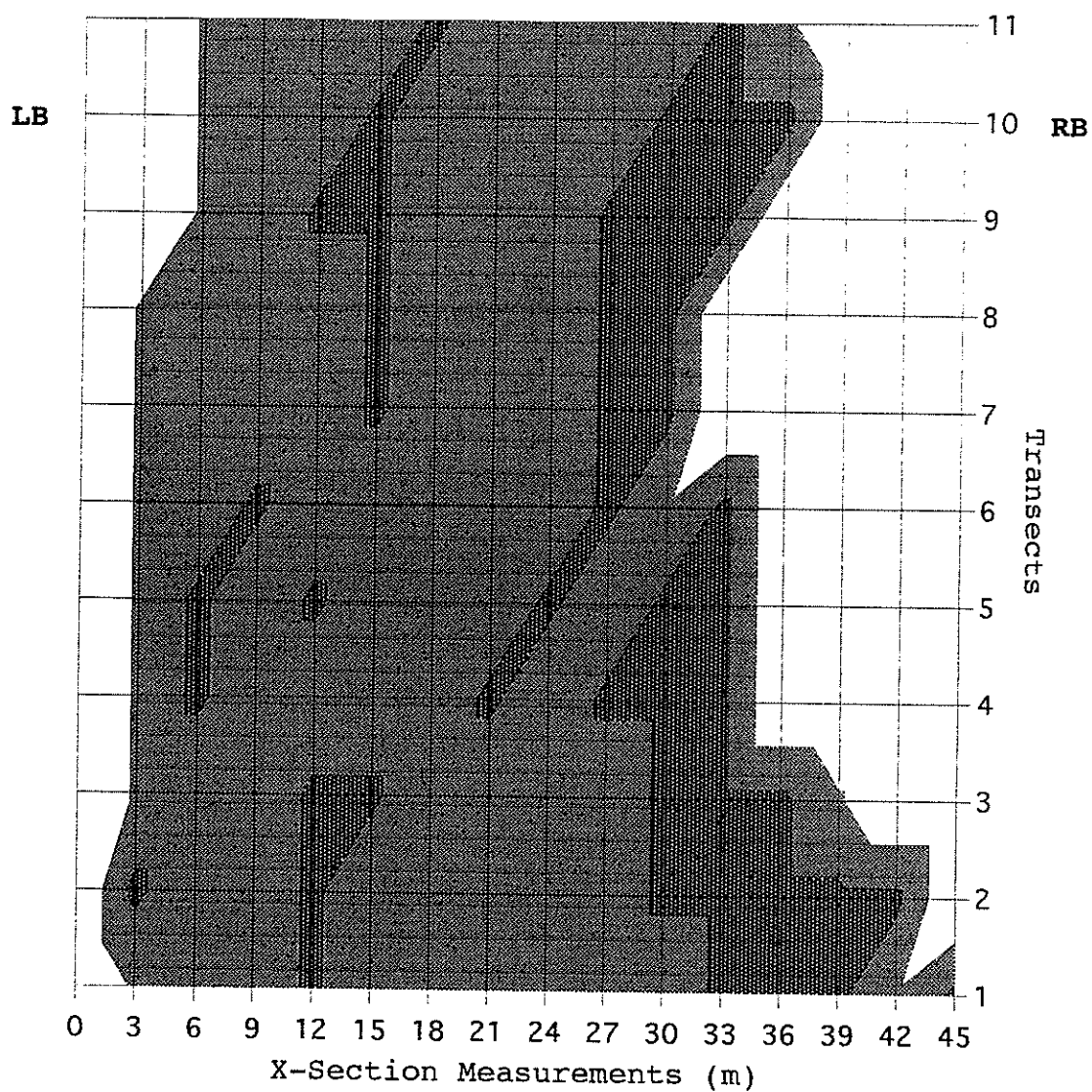
Appendix K. Study unit #6 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).

## Unit #15 Submersed Macrophyte Distribution



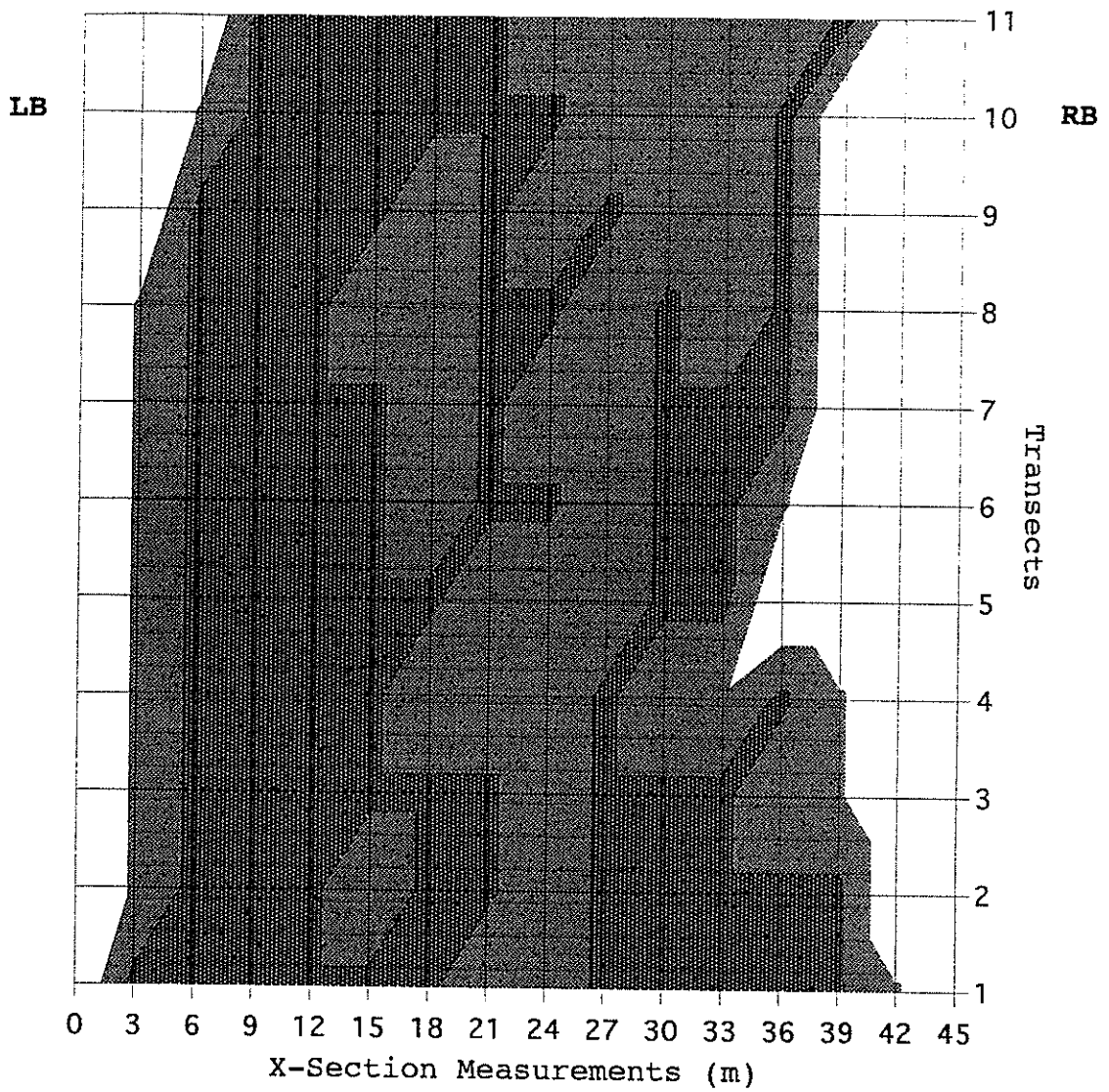
Appendix K. Study unit #15 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).

## Unit #25 Submersed Macrophyte Distribution



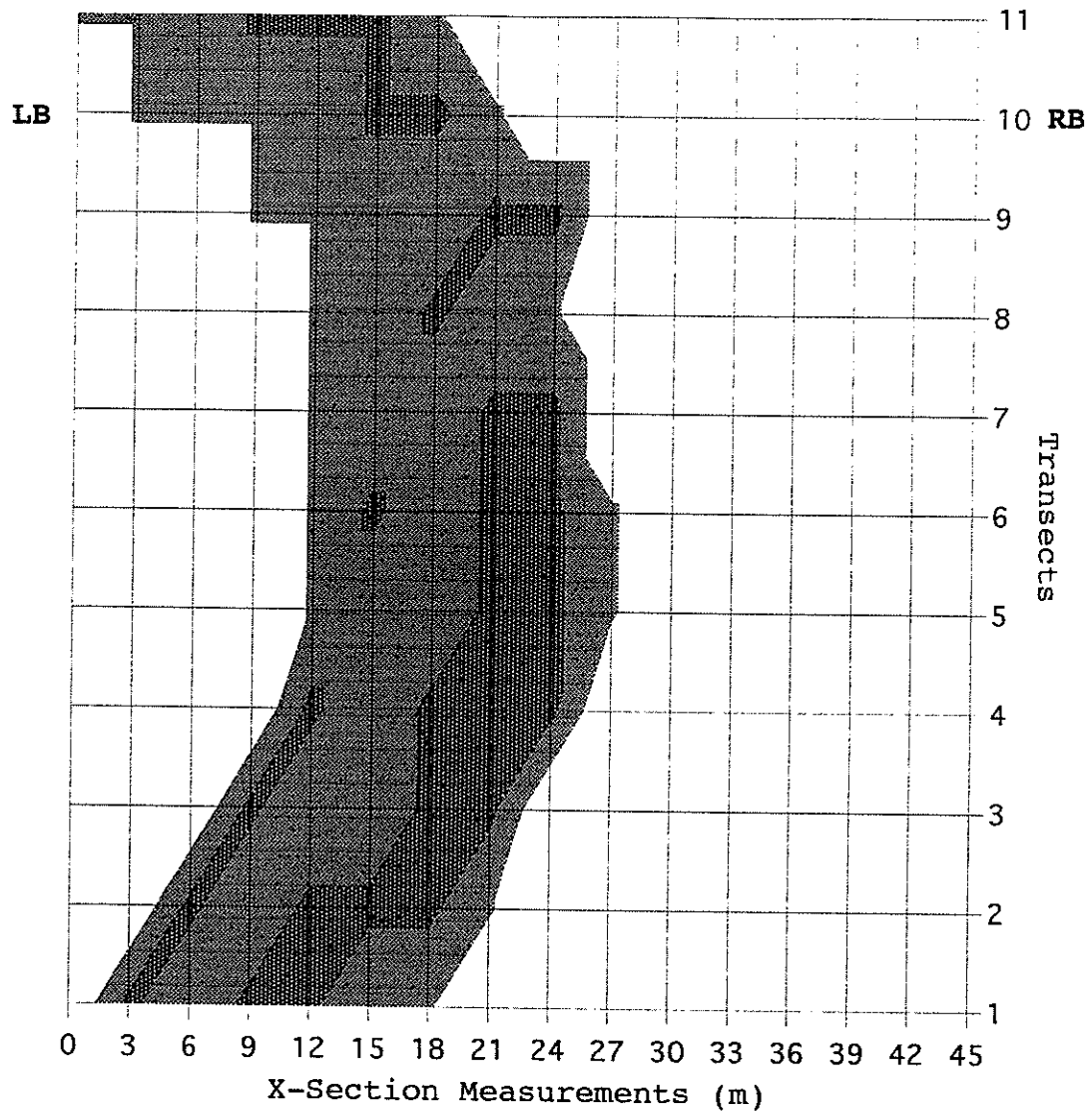
Appendix K. Study unit #25 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).

Unit #29 Submersed Macrophyte Distribution



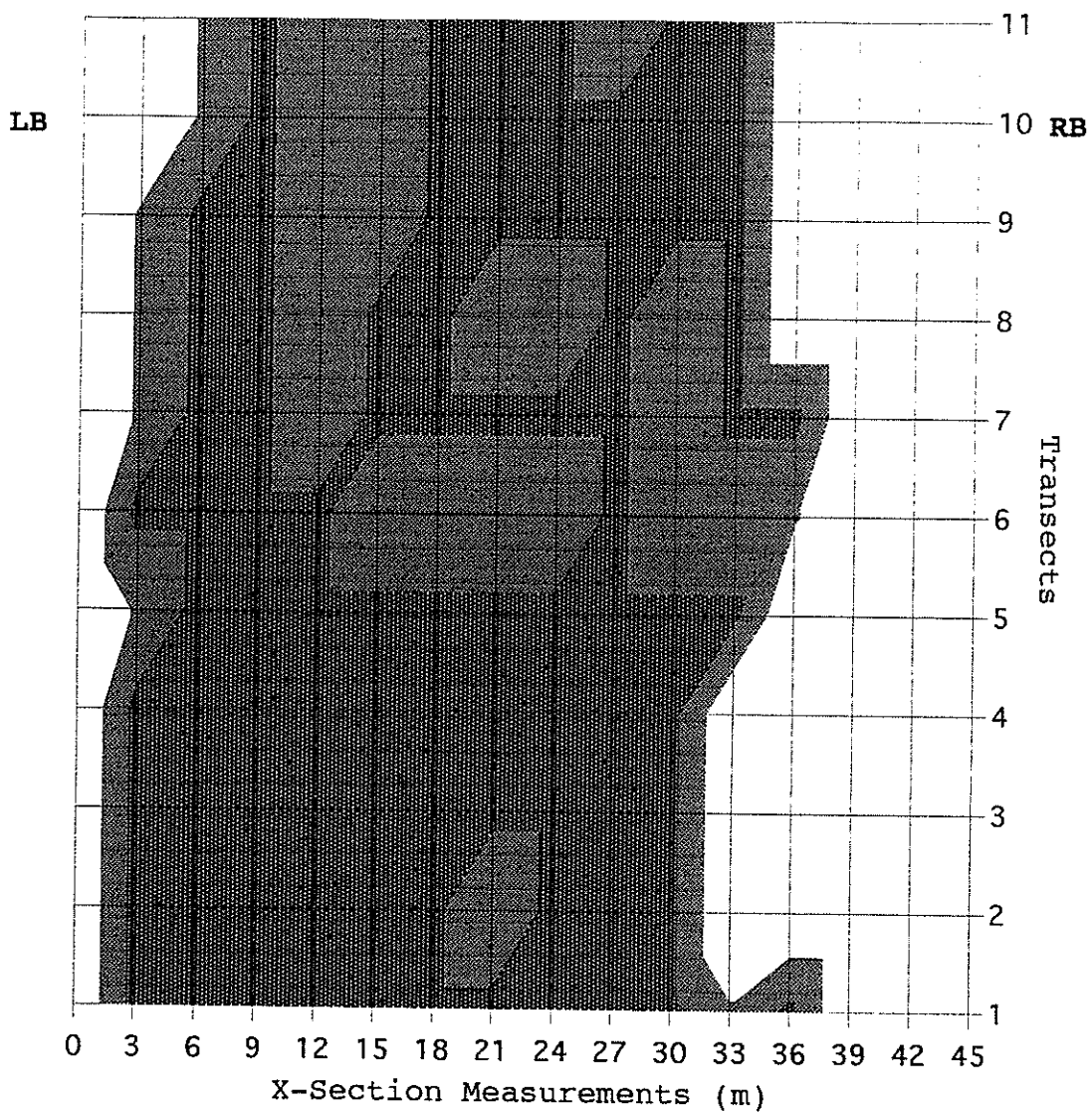
Appendix K. Study unit #29 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).

Unit #32 Submersed Macrophyte Distribution



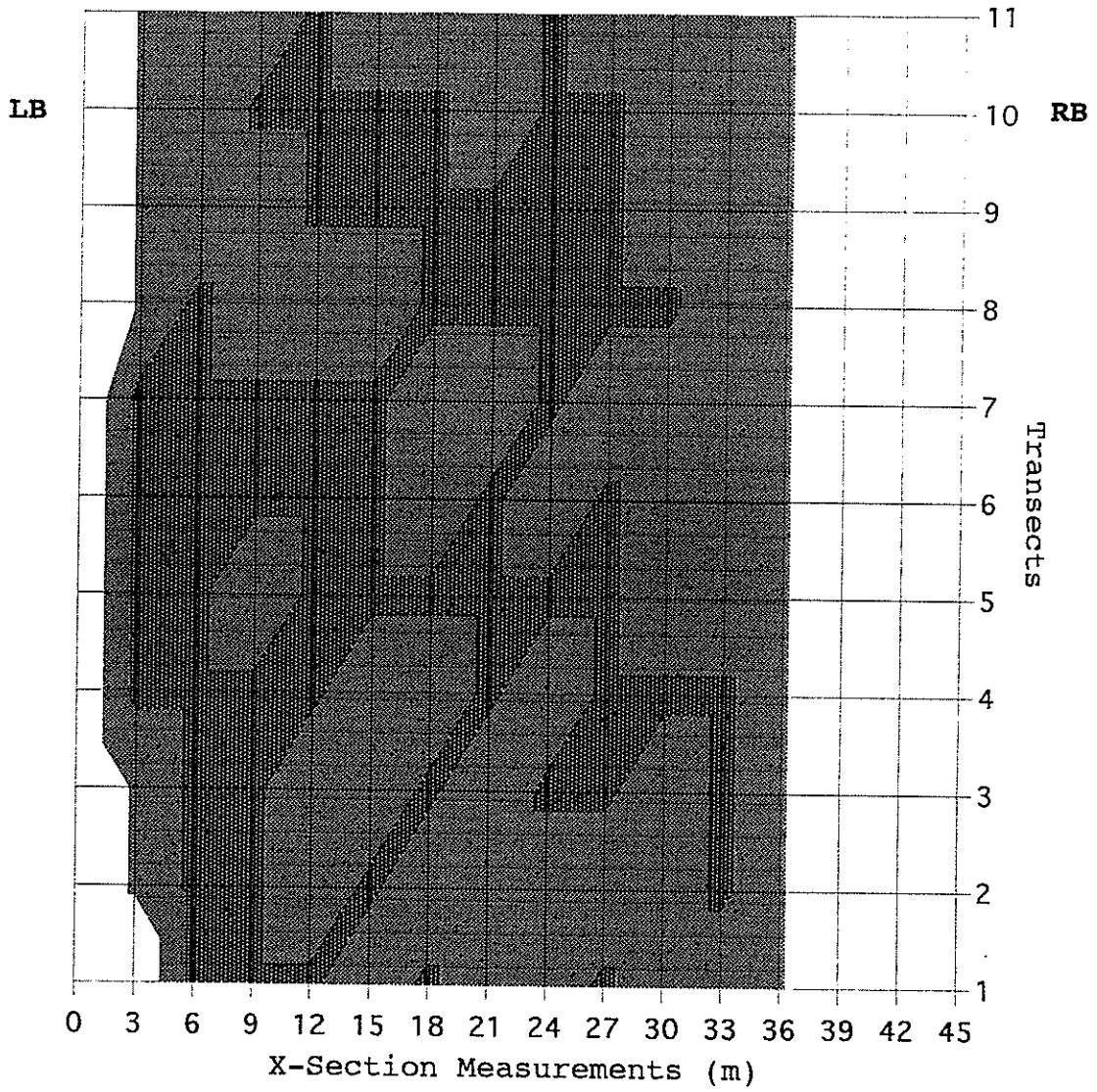
Appendix K. Study unit #32 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).

Unit #36 Submersed Macrophyte Distribution



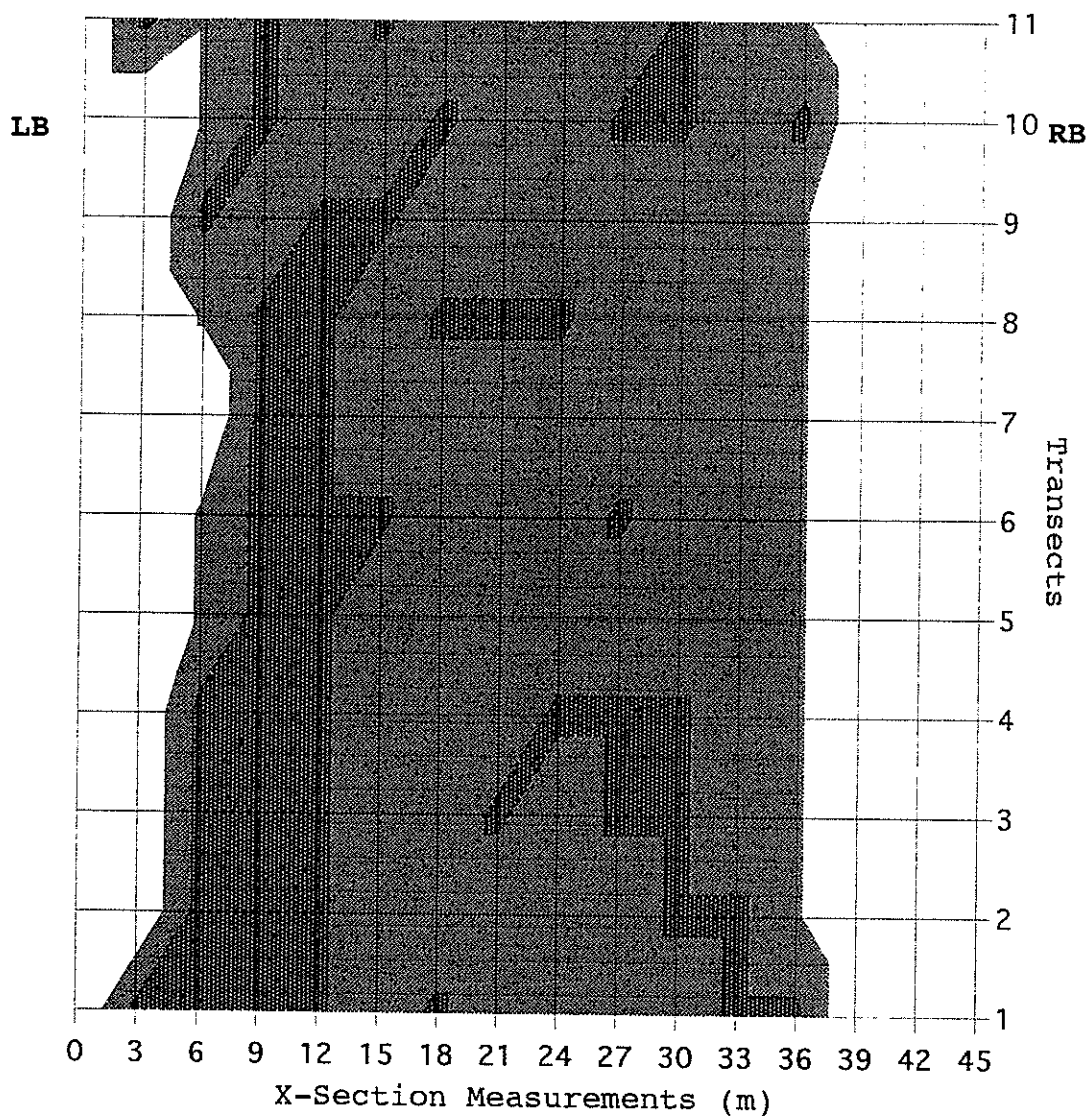
Appendix K. Study unit #36 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).

Unit #46 Submersed Macrophyte Distribution



Appendix K. Study unit #46 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).

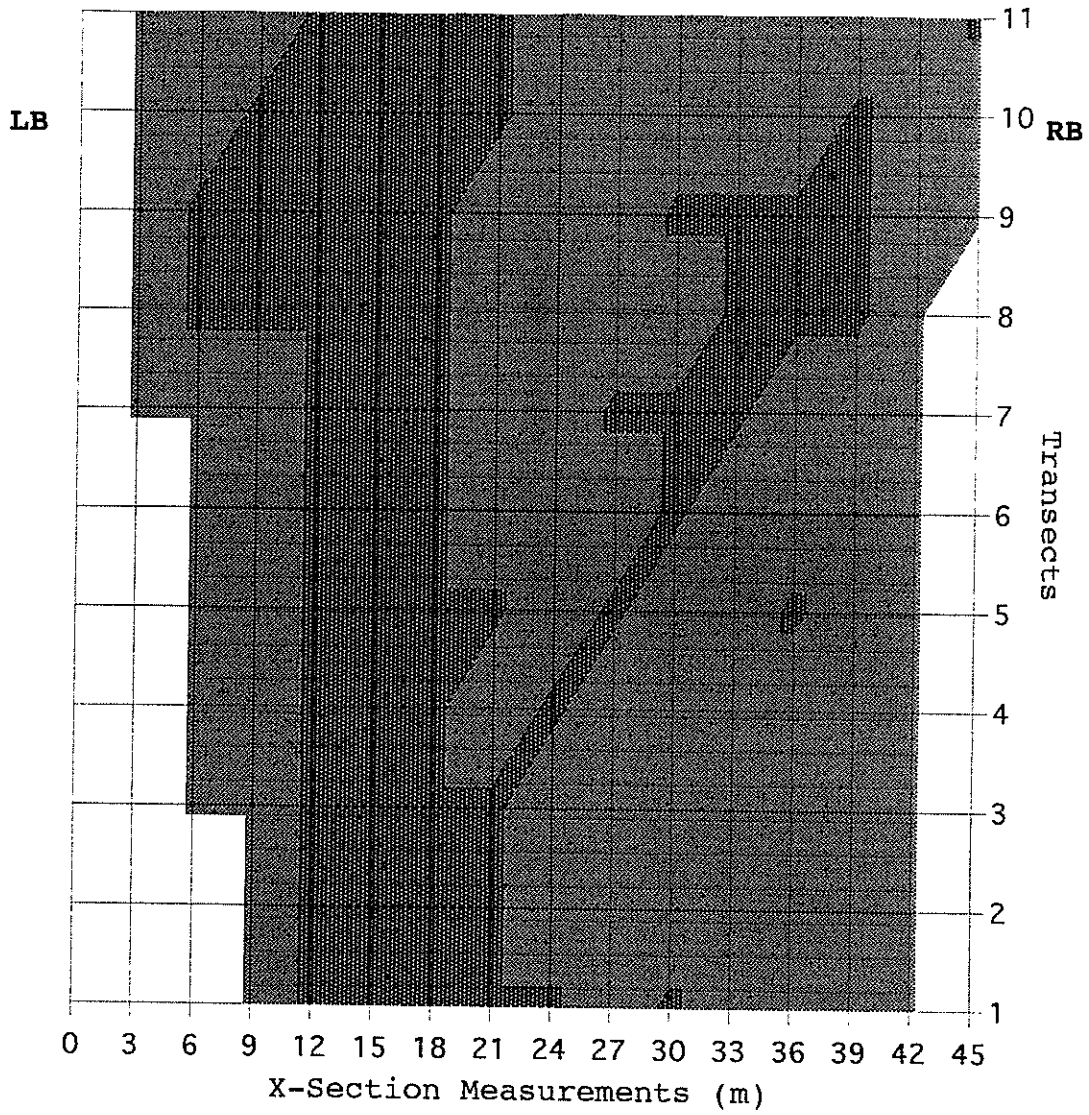
## Unit #50 Submersed Macrophyte Distribution



Appendix K. Study unit #50 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).



Unit #60 Submersed Macrophyte Distribution



Appendix K. Study unit #60 submersed macrophyte distribution. Submersed macrophyte cover measured as presence, or absence at each corner of the study unit grid (continued).