

***Big Lake Protection Grant LPT-67:  
Big Lake Macrophyte Management Plan  
Implementation***

***Volume 2: Appendices***

***Prepared for:  
Church Pine, Round, and Big Lake Protection and  
Rehabilitation District***

***July 2001***

**Big Lake Protection Grant LPT-67:  
Big Lake Macrophyte Management Plan Implementation  
Volume 2: Appendices**

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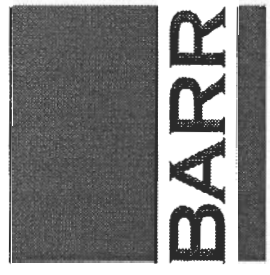
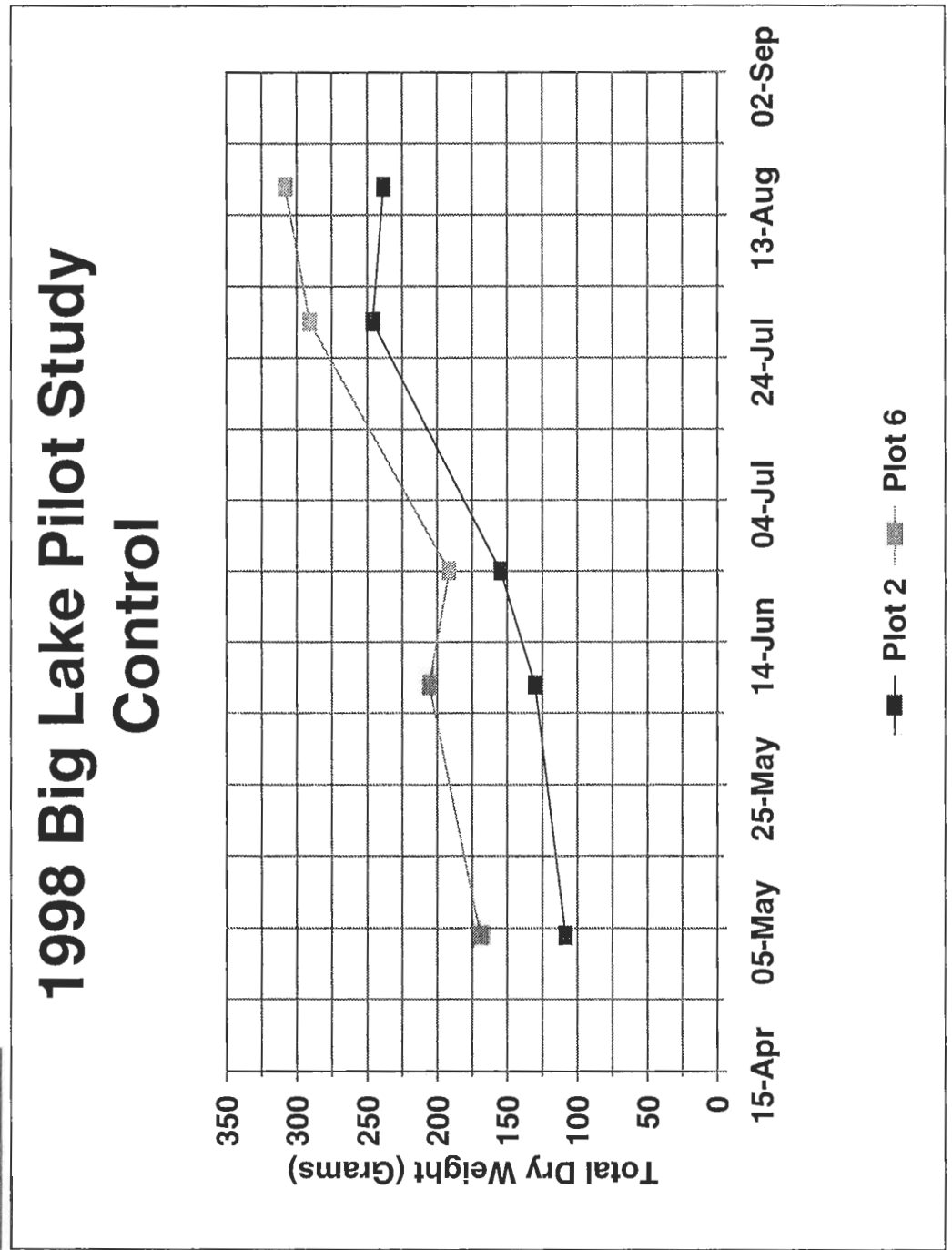
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## *Appendices*

*Appendix A*

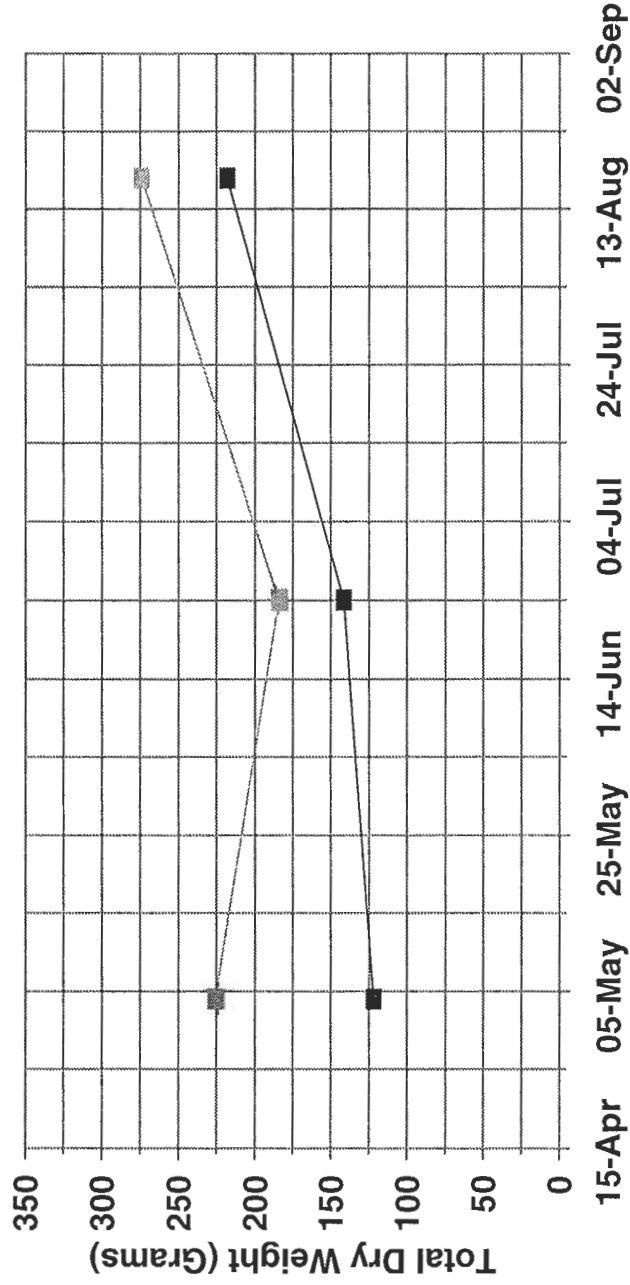
**1998 Monitoring Results**

# Results: 1998 Control Plots



# Results: 1998 Herbicide Plots

## 1998 Big Lake Pilot Study Herbicide

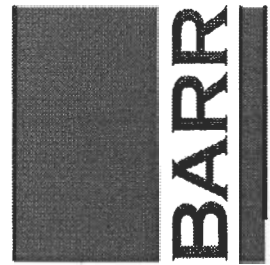
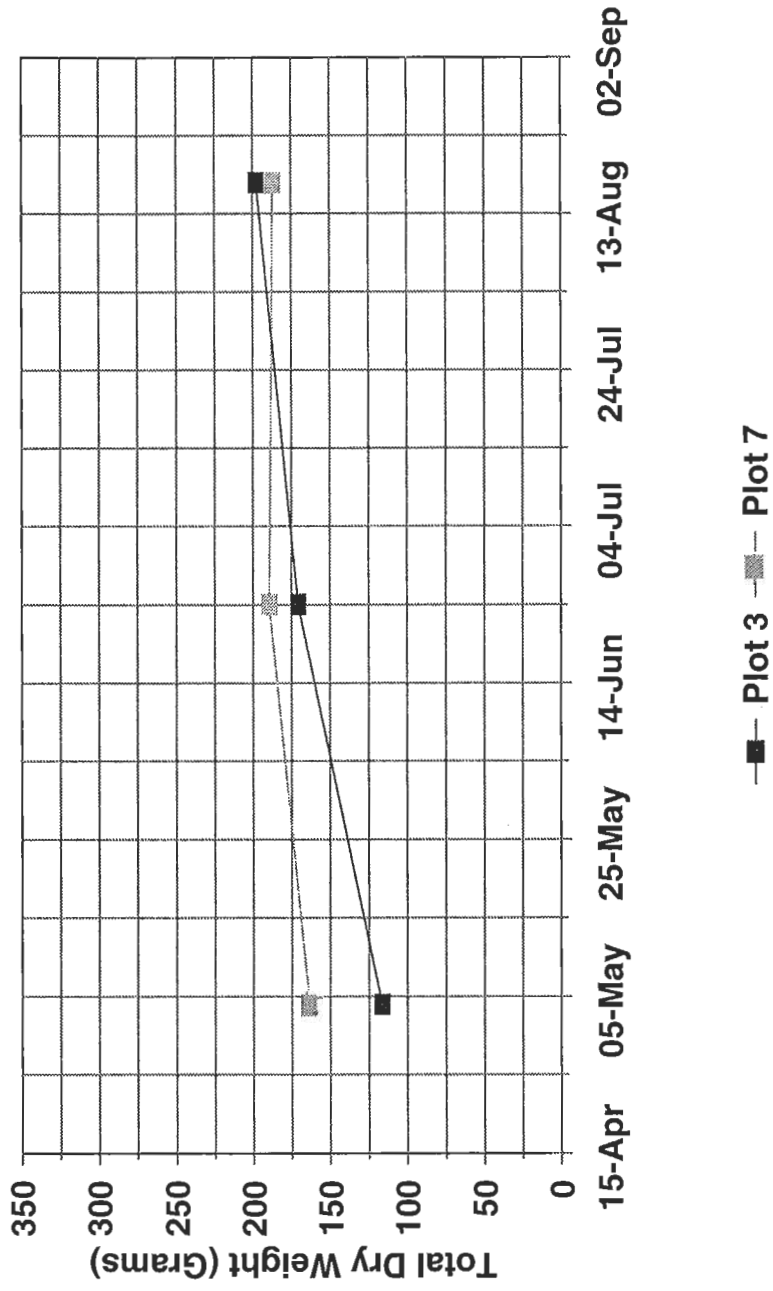


■ Plot 4 —■ Plot 8



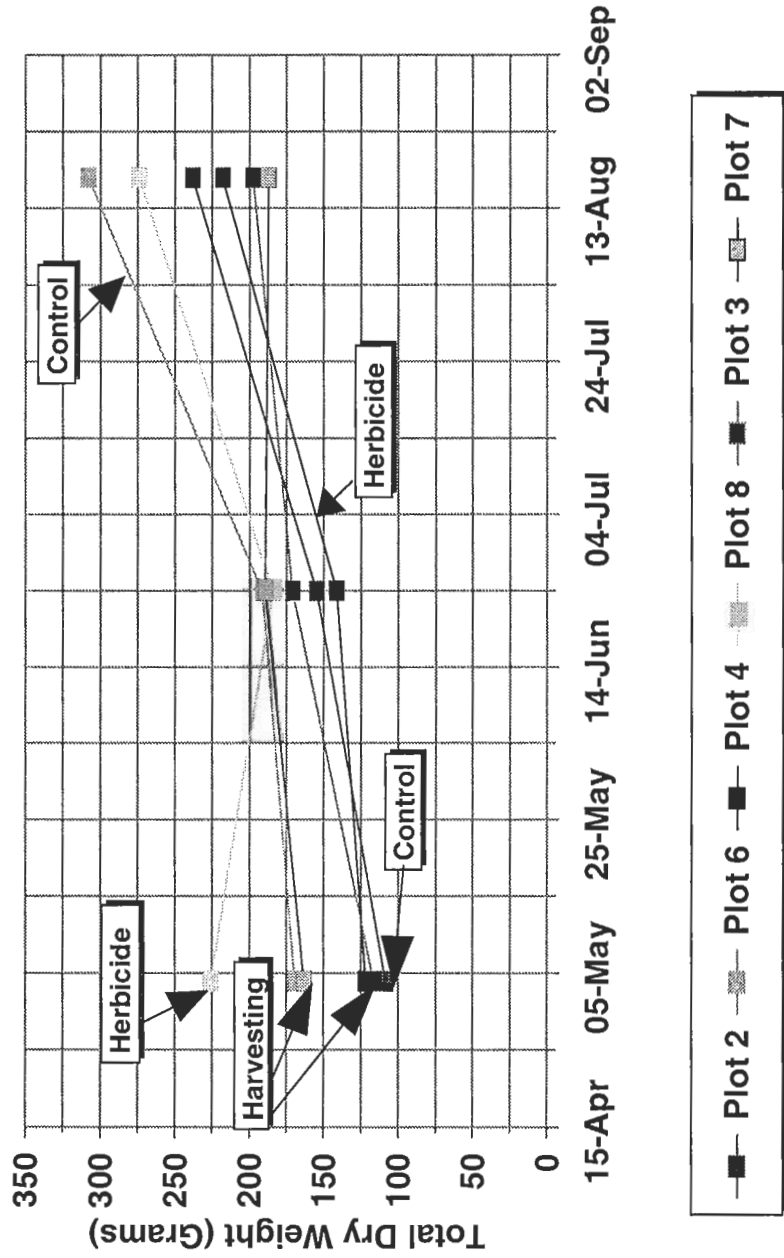
# Results: 1998 Harvesting Plots

## 1998 Big Lake Pilot Study Harvesting



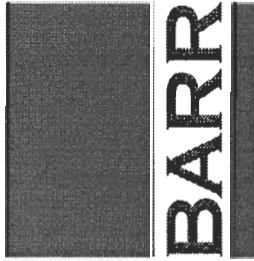
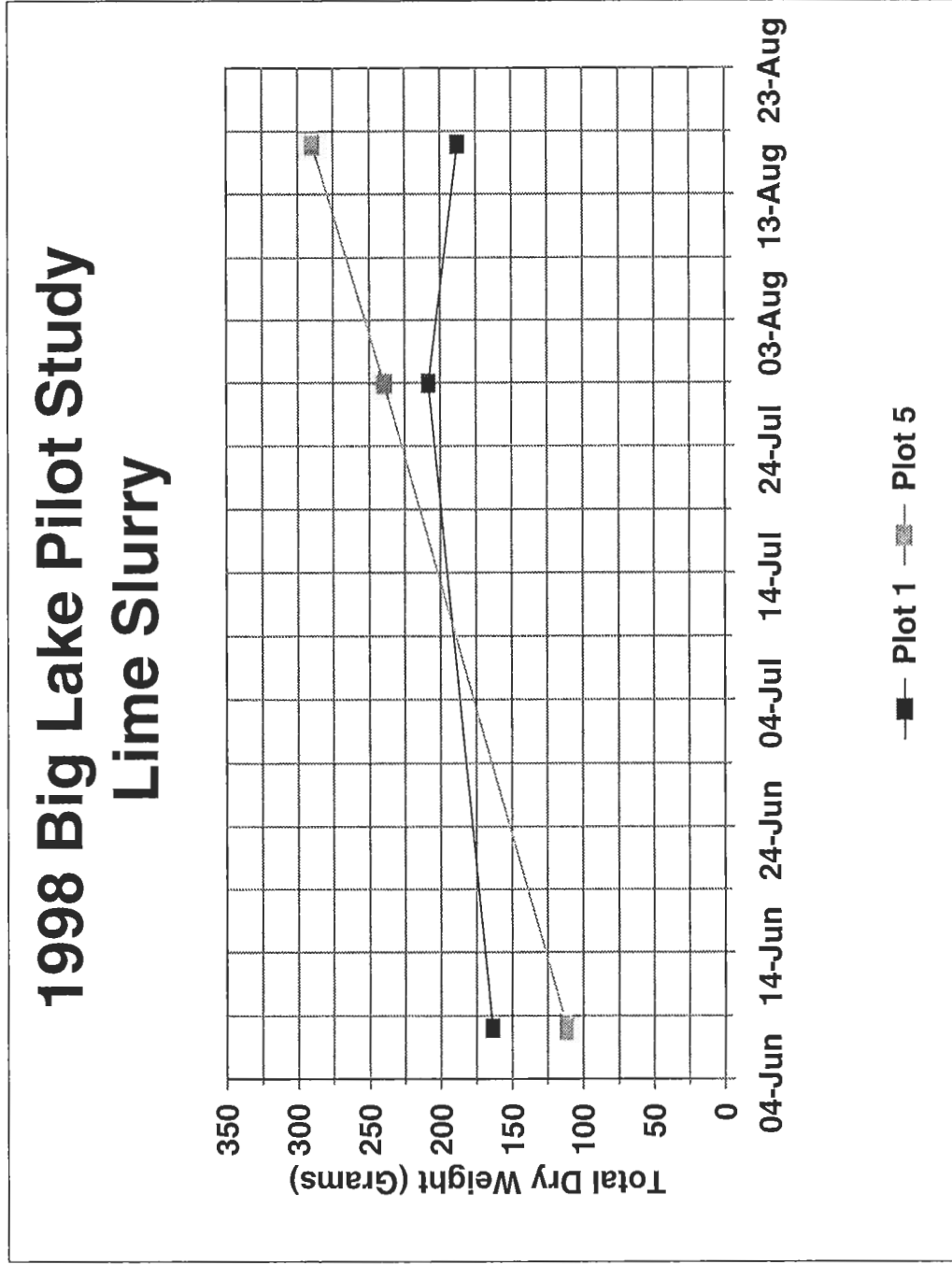
# 1998 Results: Herbicide, Harvesting and Control

## 1998 Big Lake Pilot Study Control, Herbicide, and Harvesting

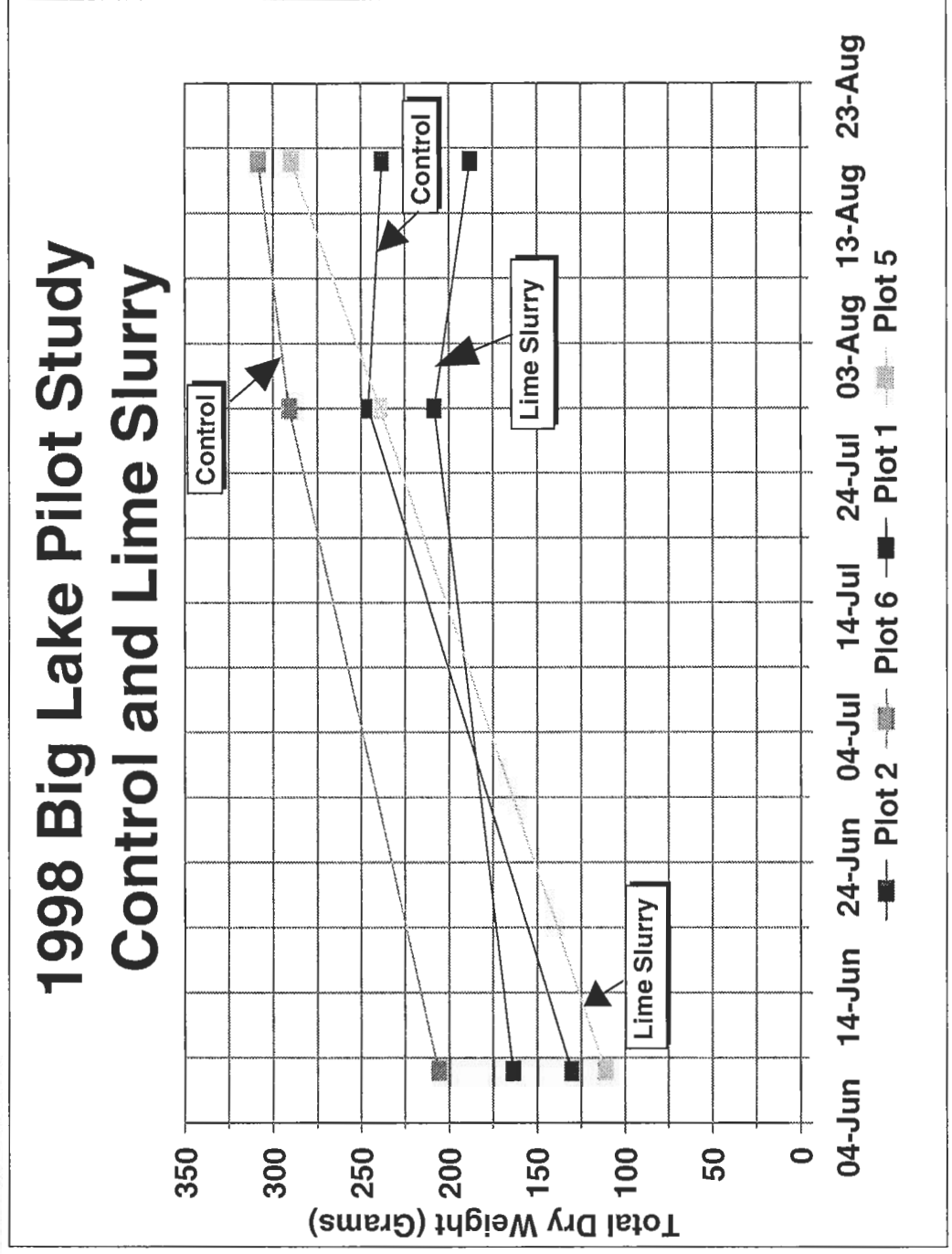




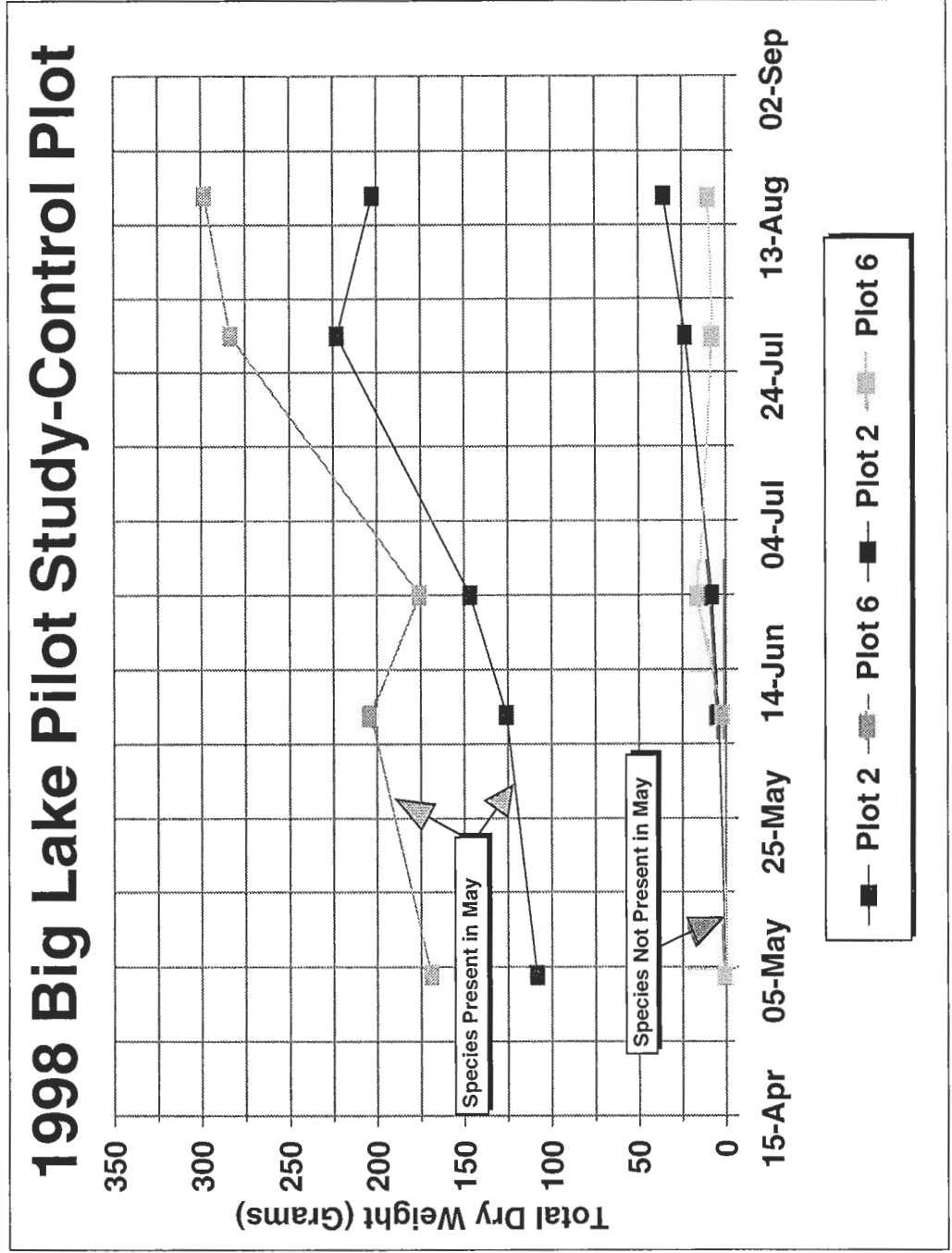
# Results: 1998 Lime Slurry Plots



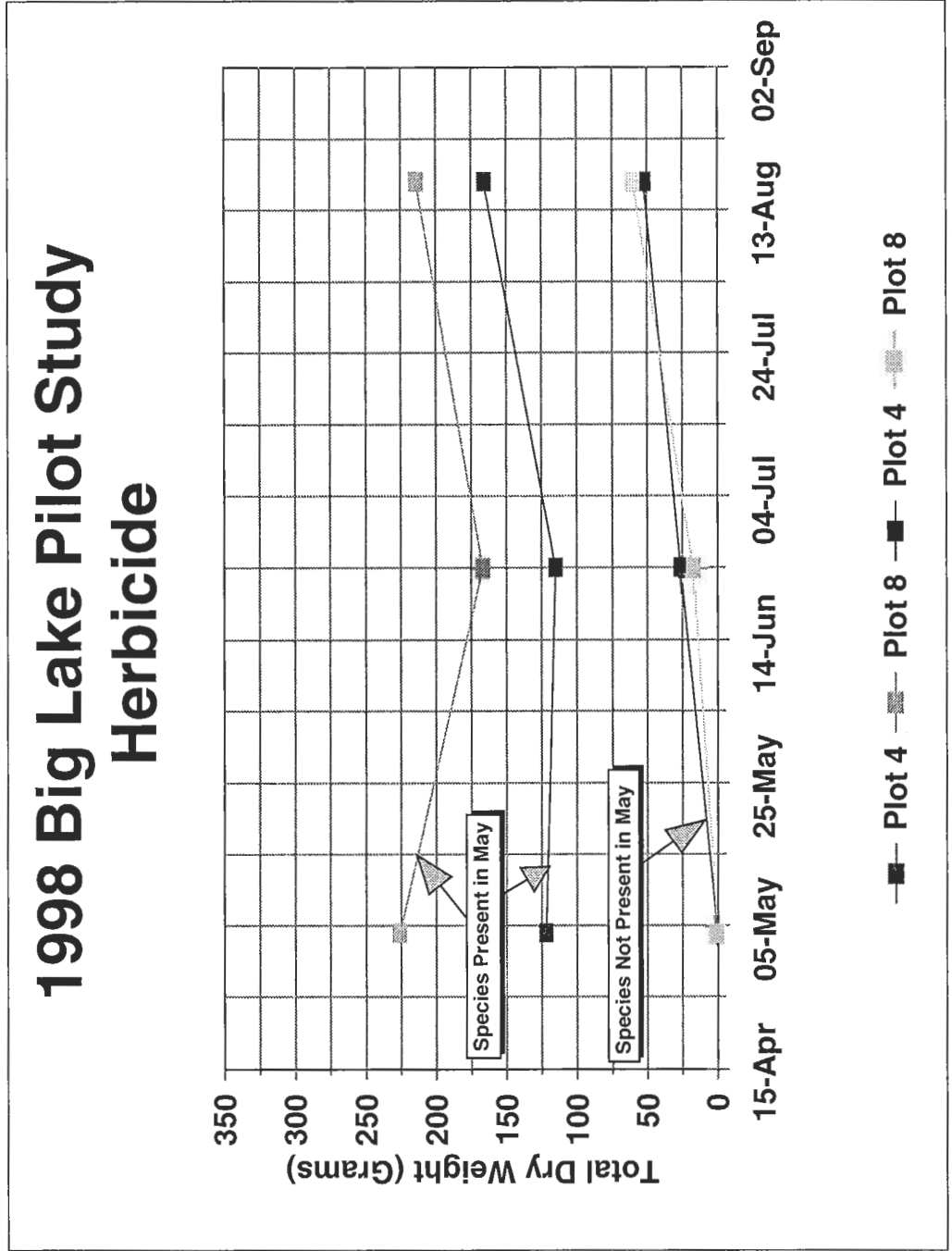
# Results: 1998 Lime Slurry & Control



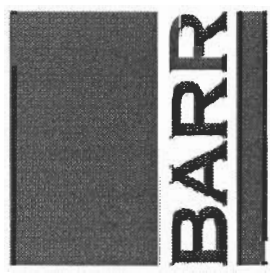
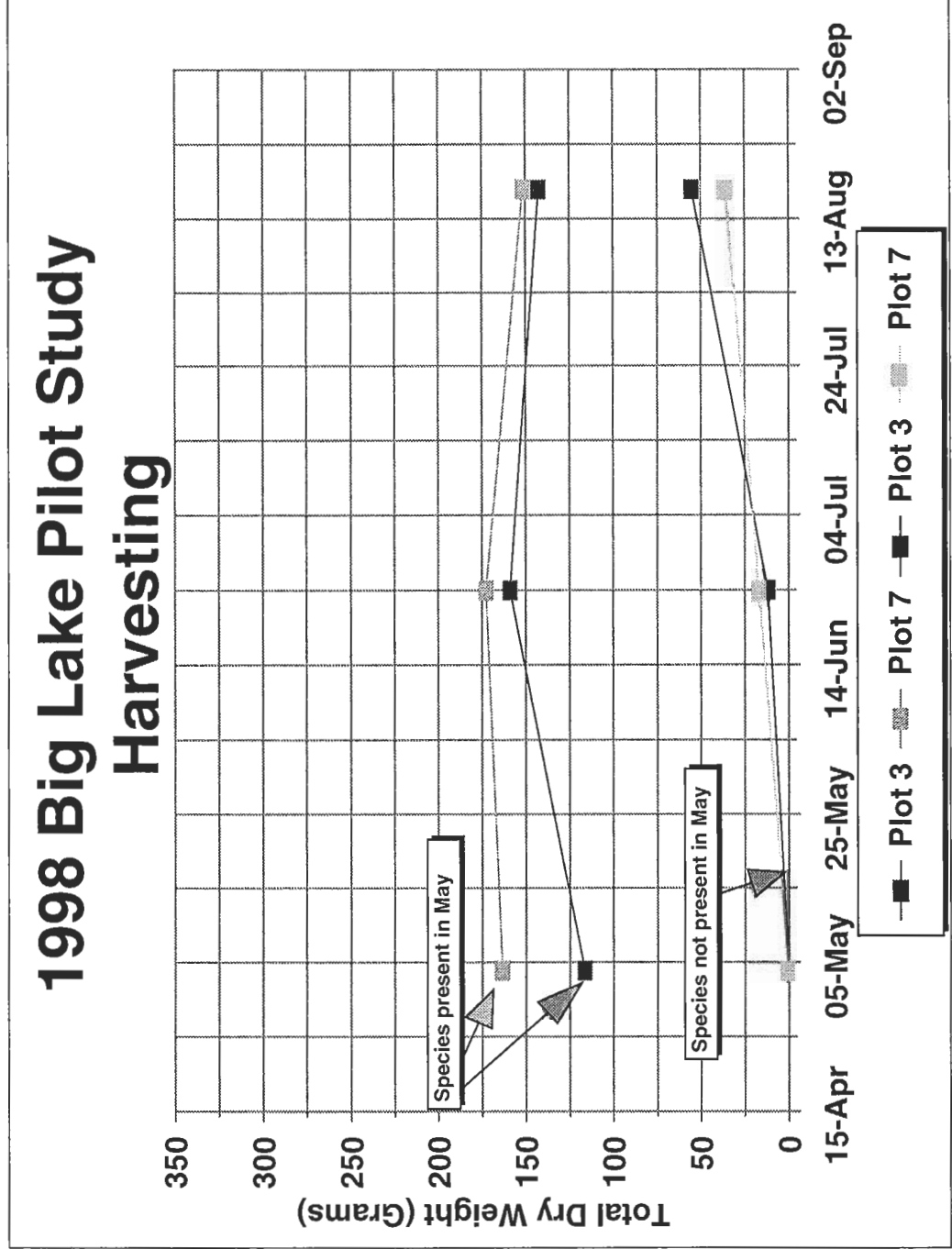
# Results: 1998 Control Plots



# Results: 1998 Herbicide Plots

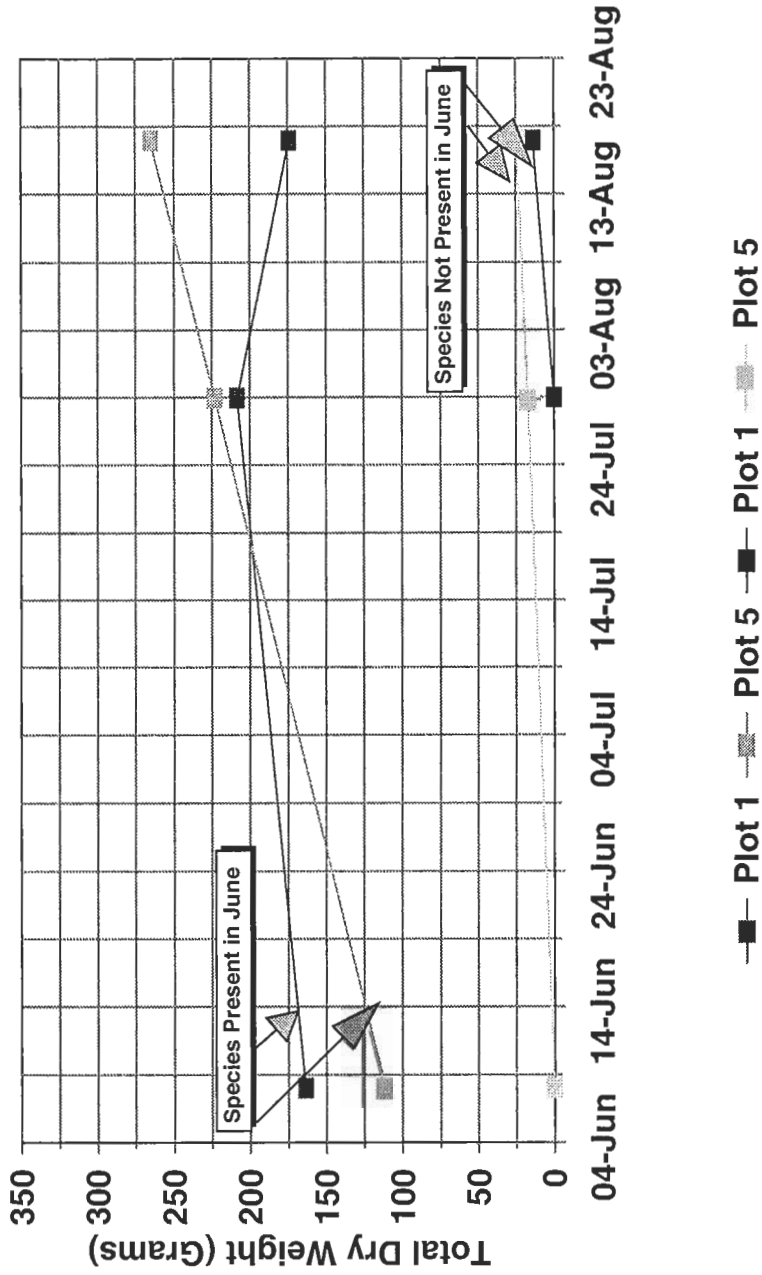


# Results: 1998 Harvesting Plots



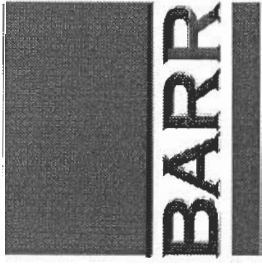
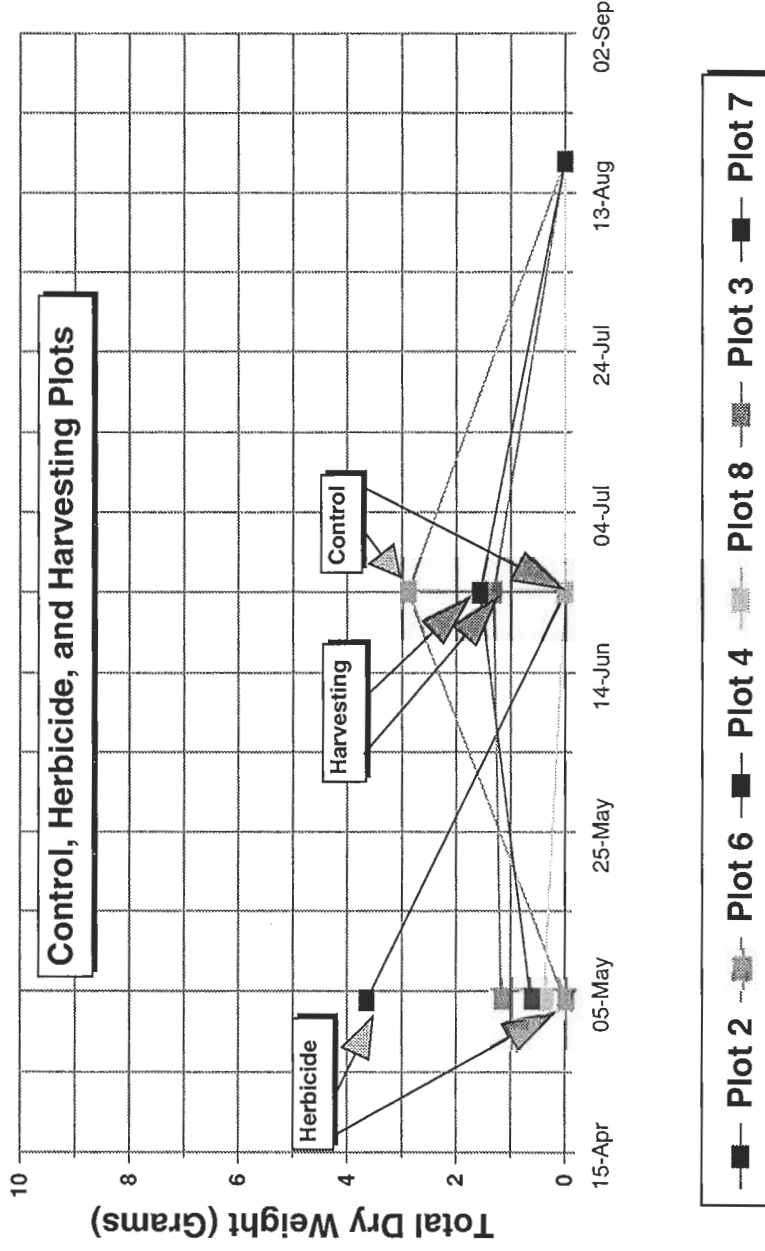
# Results: 1998 Lime Slurry Plots

## 1998 Big Lake Pilot Study Lime Slurry



# Results: 1998 Curly-Leaf

## 1998 Big Lake Pilot Study Total Dry Weight: Curly-Leaf Pondweed



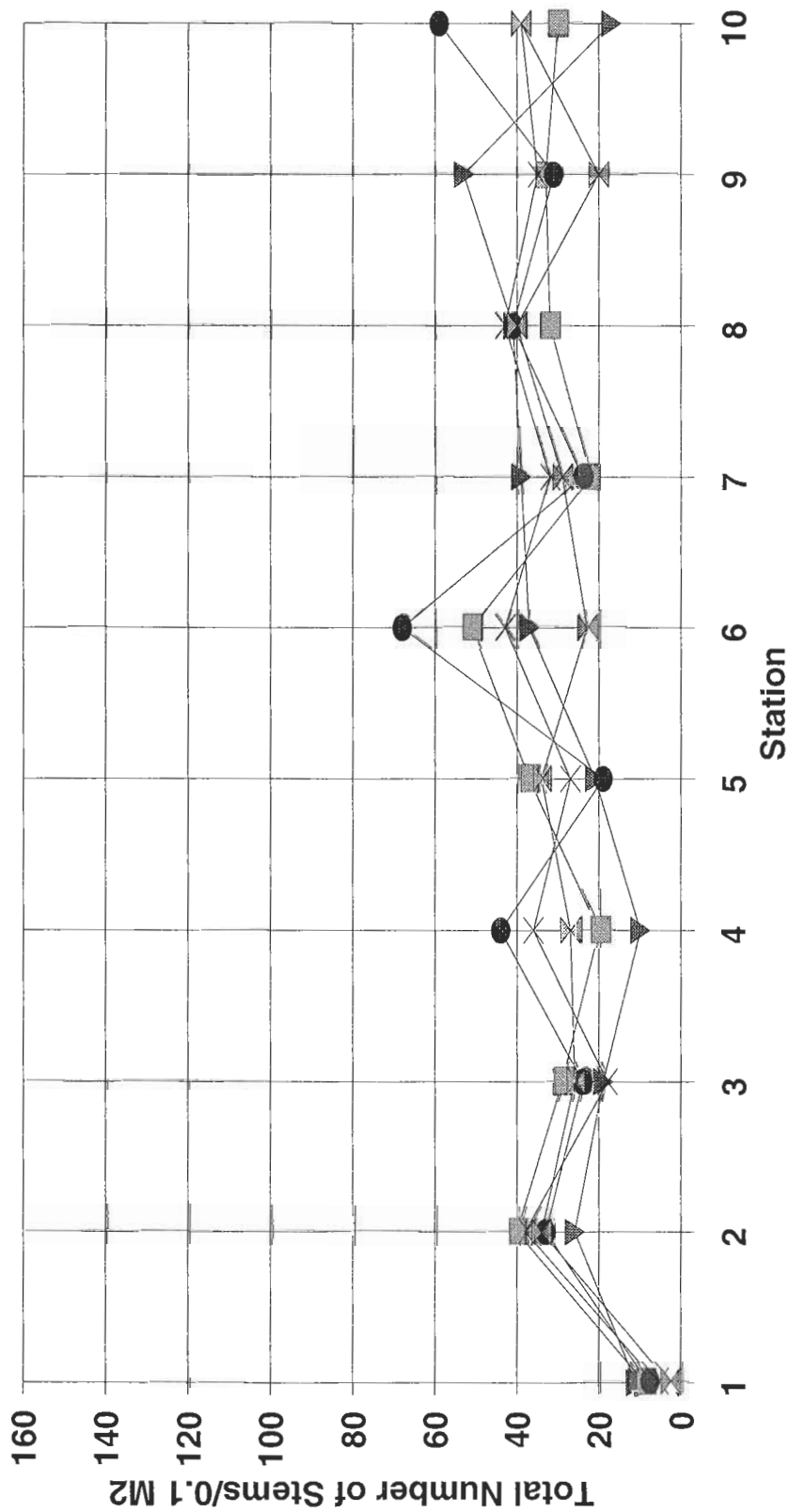
*Appendix A-1*

**Control Plot 2**



# Big Lake Macrophyte Pilot Project

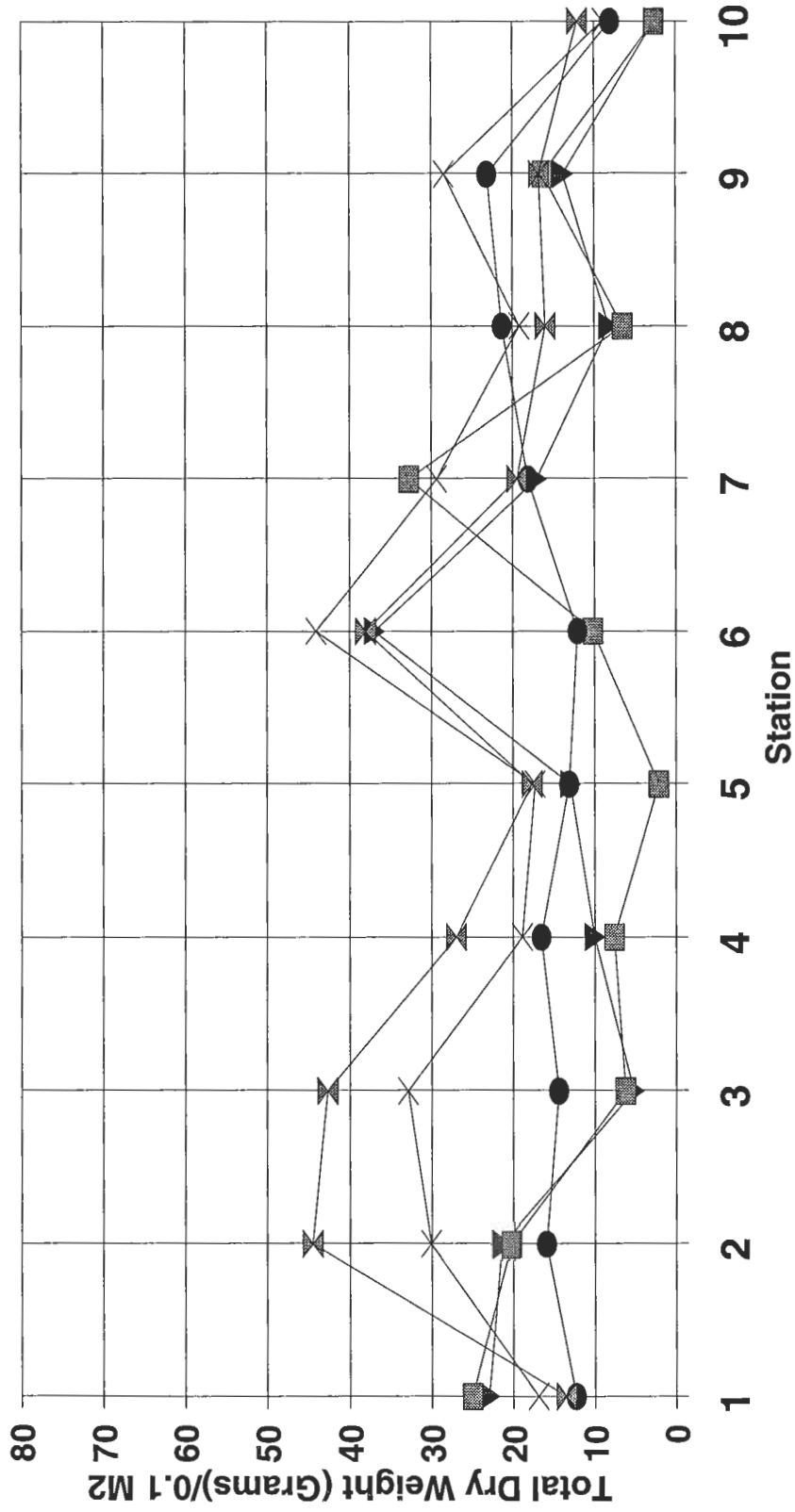
## 1998 Control Plot 2 By Station



▲ 5/4-6/98    ■ 6/8-9/98    ● 6/24-26/98    × 7/29-30/98    ▼ 8/17-20/98

# Big Lake Macrophyte Pilot Project

## 1998 Control Plot 2 By Station



Big Lake Pilot Program  
1998 Monitoring Results from Control Plot 2

Control Plot 2	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
	5/4-6/98	2		1 <i>Ceratophyllum demersum</i>	coontail	11	22.96		
	5/4-6/98	2		2 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	17	3.42		
	5/4-6/98	2		2 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.3		
	5/4-6/98	2		2 <i>Ceratophyllum demersum</i>	coontail	8	17.68		
	5/4-6/98	2		3 <i>Myriophyllum exalbascens</i>	northern water milfoil	13	2.36		
	5/4-6/98	2		3 <i>Zosterella dubia</i>	water stargrass	4	0.22		
	5/4-6/98	2		3 <i>Ceratophyllum demersum</i>	coontail	1	2.02		
	5/4-6/98	2							
	5/4-6/98	2		3 <i>Potamogeton amplifolius</i>	large-leaf pondweed	1	0.63		
	5/4-6/98	2		4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.15		
	5/4-6/98	2		4 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.0368		
	5/4-6/98	2		4 <i>Zosterella dubia</i>	water stargrass	4	0.1		
	5/4-6/98	2		4 <i>Potamogeton amplifolius</i>	large-leaf pondweed	2	0.61		
	5/4-6/98	2		5 <i>Potamogeton amplifolius</i>	large-leaf pondweed	2	0.66		
	5/4-6/98	2		5 <i>Myriophyllum exalbascens</i>	northern water milfoil	9	1.85		
	5/4-6/98	2		5 <i>Elodea canadensis</i>	common waterweed	4	0.38		
	5/4-6/98	2		5 <i>Ceratophyllum demersum</i>	coontail	4	9.6		
	5/4-6/98	2		5 <i>Potamogeton robbinsii</i>	Robbins pondweed	2	0.47		
	5/4-6/98	2		6 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	14	1.84		
	5/4-6/98	2		6 <i>Potamogeton robbinsii</i>	Robbins pondweed	17	0.92		
	5/4-6/98	2		6 <i>Myriophyllum exalbascens</i>	northern water milfoil	4	0.33		
	5/4-6/98	2		6 <i>Potamogeton amplifolius</i>	large-leaf pondweed	1	0.21		
	5/4-6/98	2		6 <i>Ranunculus spp.</i>	water crowfoot	1	0.0198		
	5/4-6/98	2		7 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	33	6.26		
	5/4-6/98	2		7 <i>Ceratophyllum demersum</i>	coontail	3	8.84		
	5/4-6/98	2		7 <i>Elodea canadensis</i>	common waterweed	2	0.1406		
	5/4-6/98	2							
	5/4-6/98	2		7 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	1.83		1.7
	5/4-6/98	2		8 <i>Potamogeton robbinsii</i>	Robbins pondweed	17	4.98		4.69
	5/4-6/98	2		8 <i>Ceratophyllum demersum</i>	coontail	1	1.42		
	5/4-6/98	2		8 <i>Potamogeton amplifolius</i>	large-leaf pondweed	1	0.48		

Control	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Plot 2									
	5/4-6/98		2	8	<i>Zosterella dubia</i>	19	0.75		
	5/4-6/98		2	8	<i>Myriophyllum exalbascens</i>	3	0.59		
	5/4-6/98		2	9	<i>Potamogeton zosteriformis</i>	35	7.22		
	5/4-6/98		2	9	<i>Elodea canadensis</i>	12	2.28		
	5/4-6/98		2	9	<i>Ceratophyllum demersum</i>	4	3.88		3.63
	5/4-6/98		2	9	<i>Myriophyllum exalbascens</i>	2	0.47		
	5/4-6/98		2	10	<i>Potamogeton zosteriformis</i>	1	0.0507		
	5/4-6/98		2	10	<i>Elodea canadensis</i>	4	1.46		
	5/4-6/98		2	10	<i>Myriophyllum exalbascens</i>	2	0.1721		
	5/4-6/98		2	10	<i>Potamogeton amplifolius</i>	1	0.15		
	5/4-6/98		2	10	<i>Zosterella dubia</i>	9	0.84		
	6/8-9/98		2	1	<i>Ceratophyllum demersum</i>	9	25.03		
	6/8-9/98		2	2	<i>Potamogeton zosteriformis</i>	15	5.92		
	6/8-9/98		2	2	<i>Ceratophyllum demersum</i>	4	7.06		
	6/8-9/98		2	2	<i>Potamogeton robbinsii</i>	4	0.87		
	6/8-9/98		2	2	<i>Myriophyllum exalbascens</i>	15	6.06		
	6/8-9/98		2	2	<i>Elodea canadensis</i>	2	0.37		
	6/8-9/98		2	3	<i>Potamogeton zosteriformis</i>	2	0.15		
	6/8-9/98		2	3	<i>Zosterella dubia</i>	15	0.22		
	6/8-9/98		2	3	<i>Elodea canadensis</i>	1	0.053		
	6/8-9/98		2	3	<i>Vallisneria americana</i>	1	0.0307		
	6/8-9/98		2	3	<i>Myriophyllum exalbascens</i>	10	5.76		
	6/8-9/98		2	4	<i>Myriophyllum exalbascens</i>	2	1.04		
	6/8-9/98		2	4	<i>Zosterella dubia</i>	11	0.18		
	6/8-9/98		2	4	<i>Elodea canadensis</i>	1	0.105		
	6/8-9/98		2	4	<i>Potamogeton amplifolius</i>	6	6.25		
	6/8-9/98		2	5	<i>Myriophyllum exalbascens</i>	2	0.0224		
	6/8-9/98		2	5	<i>Potamogeton spp.</i>	4	0.077		
	6/8-9/98		2	5	<i>Ceratophyllum demersum</i>	1	0.35		
	6/8-9/98		2	5	<i>Potamogeton zosteriformis</i>	5	1.31		
	6/8-9/98		2	5	<i>Vallisneria americana</i>	25	0.36		
	6/8-9/98		2	6	<i>Ceratophyllum demersum</i>	1	1.2		
	6/8-9/98		2	6	<i>Vallisneria americana</i>	6	0.82		
	6/8-9/98		2	6	<i>Potamogeton robbinsii</i>	1	0.31		

Control Plot 2	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
	6/8-9/98	2	6	<i>Potamogeton amplifolius</i>	large-leaf pondweed	1	1.15		
	6/8-9/98	2	6	<i>Ranunculus spp.</i>	water crowfoot	1	0.0576		
	6/8-9/98	2	6	<i>Zosterella dubia</i>	water stargrass	32	0.72		
	6/8-9/98	2	6	<i>Myriophyllum exalbasces</i>	northern water milfoil	9	5.93		
	6/8-9/98	2	7	<i>Vallisneria americana</i>	wild celery	2	0.0925		
	6/8-9/98	2	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	6	2.1		
	6/8-9/98	2	7	<i>Ceratophyllum demersum</i>	coontail	5	18.87		
	6/8-9/98	2	7	<i>Myriophyllum exalbasces</i>	northern water milfoil	2	0.43		
	6/8-9/98	2	7	<i>Potamogeton richardsonii</i>	claspng-leaf pondweed	7	11.24		
	6/8-9/98	2	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	1.96		
	6/8-9/98	2	8	<i>Vallisneria americana</i>	wild celery	16	1.34		
	6/8-9/98	2	8	<i>Elodea canadensis</i>	common waterweed	4	0.1088		
	6/8-9/98	2	8	<i>Zosterella dubia</i>	water stargrass	3	0.22		
	6/8-9/98	2	8	<i>Potamogeton amplifolius</i>	large-leaf pondweed	3	2.64		
	6/8-9/98	2	8	<i>Myriophyllum exalbasces</i>	northern water milfoil	1	0.29		
	6/8-9/98	2	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	15	6.11		
	6/8-9/98	2	9	<i>Ceratophyllum demersum</i>	coontail	2	1.55		
	6/8-9/98	2	9	<i>Elodea canadensis</i>	common waterweed	8	2.03		
	6/8-9/98	2	9	<i>Vallisneria americana</i>	wild celery	1	0.16		
	6/8-9/98	2	9	<i>Potamogeton pectinatus</i>	sago pondweed	1	0.1288		
	6/8-9/98	2	9	<i>Myriophyllum exalbasces</i>	northern water milfoil	3	1.57		
	6/8-9/98	2	9	<i>Potamogeton richardsonii</i>	claspng-leaf pondweed	3	4.79		
	6/8-9/98	2	10	<i>Vallisneria americana</i>	wild celery	26	1.38		
	6/8-9/98	2	10	<i>Ranunculus spp.</i>	water crowfoot	1	0.0744		
	6/8-9/98	2	10	<i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.89		
	6/8-9/98	2	10	<i>Potamogeton amplifolius</i>	large-leaf pondweed	2	0.95		
	6/24-26/98	2	1	<i>Ceratophyllum demersum</i>	coontail	5	<b>10.28</b>		
	6/24-26/98	2	1	<i>Myriophyllum exalbasces</i>	northern water milfoil	3	1.99		
	6/24-26/98	2	2	<i>Potamogeton richardsonii</i>	claspng-leaf pondweed	1	0.26		
	6/24-26/98	2	2	<i>Elodea canadensis</i>	common waterweed	2	0.33		
	6/24-26/98	2	2	<i>Ceratophyllum demersum</i>	coontail	2	0.93		
	6/24-26/98	2	2	<i>Myriophyllum exalbasces</i>	northern water milfoil	4	1.55		
	6/24-26/98	2	2	<i>Potamogeton robbinsii</i>	Robbins pondweed	4	0.87		

Control		Plot		Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams		
6/24-26/98	2	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	17	11.9				
6/24-26/98	2	2	<i>Zosterella dubia</i>	water stargrass	3	0.0591				
6/24-26/98	2	3	<i>Ceratophyllum demersum</i>	coontail	1	0.38				
6/24-26/98	2	3	<i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.29				
6/24-26/98	2	3	<i>Zosterella dubia</i>	water stargrass	3	0.0884				
6/24-26/98	2	3	<i>Elodea canadensis</i>	common waterweed	2	0.18				
6/24-26/98	2	3	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	6	4.97				
6/24-26/98	2	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	11	8.49				
6/24-26/98	2	4	<i>Potamogeton amplifolius</i>	large-leaf pondweed	4	4.27				
6/24-26/98	2	4	<i>Vallisneria americana</i>	wild celery	28	3.93				
6/24-26/98	2	4	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	2.56				
6/24-26/98	2	4	<i>Elodea canadensis</i>	common waterweed	2	0.22				
6/24-26/98	2	4	<i>Myriophyllum exalbascens</i>	northern water milfoil	4	2.89				
6/24-26/98	2	4	<i>Ceratophyllum demersum</i>	coontail	2	2.63				
6/24-26/98	2	5	<i>Zosterella dubia</i>	water stargrass	2	0.0961				
6/24-26/98	2	5	<i>Vallisneria americana</i>	wild celery	3	0.63				
6/24-26/98	2	5	<i>Ceratophyllum demersum</i>	coontail	1	0.97				
6/24-26/98	2	5	<i>Myriophyllum exalbascens</i>	northern water milfoil	6	4.29				
6/24-26/98	2	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	7	7.15				
6/24-26/98	2	6	<i>Vallisneria americana</i>	wild celery	2	0.29				
6/24-26/98	2	6	<i>Myriophyllum exalbascens</i>	northern water milfoil	2	1.72				
6/24-26/98	2	6	<i>Ceratophyllum demersum</i>	coontail	3	0.44				
6/24-26/98	2	6	<i>Zosterella dubia</i>	water stargrass	55	3.02				
6/24-26/98	2	6	<i>Ranunculus spp.</i>	water crowfoot	1	0.0465				
6/24-26/98	2	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.55				
6/24-26/98	2	6	<i>Potamogeton amplifolius</i>	large-leaf pondweed	4	6.04				
6/24-26/98	2	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	11	8.17				
6/24-26/98	2	7	<i>Vallisneria americana</i>	wild celery	4	0.37				
6/24-26/98	2	7	<i>Ceratophyllum demersum</i>	coontail	9	9.57				
6/24-26/98	2	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.0508				
6/24-26/98	2	8	<i>Elodea canadensis</i>	common waterweed	1	0.0643				
6/24-26/98	2	8	<i>Vallisneria americana</i>	wild celery	27	2.42				
6/24-26/98	2	8	<i>Potamogeton amplifolius</i>	large-leaf pondweed	12	18.77				
6/24-26/98	2	9	<i>Elodea canadensis</i>	common waterweed	4	0.4				

Control		Plot		Station		Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams			
6/24-26/98	2	9	<i>Ceratophyllum demersum</i>	coontail	7	9.98					
6/24-26/98	2	9	<i>Myriophyllum exalbascens</i>	northern water milfoil	4	4.32					
6/24-26/98	2	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	16	8.45					
6/24-26/98	2	10	<i>Ranunculus spp.</i>	water crowfoot	6	0.6					
6/24-26/98	2	10	<i>Chara spp.</i>	muskgrasses	3	0.32					
6/24-26/98	2	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	1.82					
6/24-26/98	2	10	<i>Zosterella dubia</i>	water stargrass	3	0.2					
6/24-26/98	2	10	<i>Elodea canadensis</i>	common waterweed	2	0.1336					
6/24-26/98	2	10	<i>Potamogeton amplifolius</i>	large-leaf pondweed	2	0.88					
6/24-26/98	2	10	<i>Eriocaulon spp.</i>	pipewort	--	0.23					
6/24-26/98	2	10	<i>Vallisneria americana</i>	wild celery	38	3.91					
7/29-30/98	2	1	<i>Ceratophyllum demersum</i>	coontail	6	16.92					
7/29-30/98	2	2	<i>Potamogeton robbinsii</i>	Robbins pondweed	9	6.64					
7/29-30/98	2	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	5	6.19					
7/29-30/98	2	2	<i>Ceratophyllum demersum</i>	coontail	1	3.52					
7/29-30/98	2	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	23	13.71					
7/29-30/98	2	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	7	23.97	23.91				
7/29-30/98	2	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	4.71					
7/29-30/98	2	3	<i>Ceratophyllum demersum</i>	coontail	5	2.97					
7/29-30/98	2	3	<i>Vallisneria americana</i>	wild celery	1	0.26	0.25				
7/29-30/98	2	3	<i>Elodea canadensis</i>	common waterweed	1	0.97					
7/29-30/98	2	4	<i>Potamogeton amplifolius</i>	large-leaf pondweed	9	11.43					
7/29-30/98	2	4	<i>Elodea canadensis</i>	common waterweed	1	0.28					
7/29-30/98	2	4	<i>Ceratophyllum demersum</i>	coontail	1	1.43					
7/29-30/98	2	4	<i>Vallisneria americana</i>	wild celery	21	3.3					
7/29-30/98	2	4	<i>Myriophyllum exalbascens</i>	northern water milfoil	4	2.48					
7/29-30/98	2	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	16	10.26					
7/29-30/98	2	5	<i>Ceratophyllum demersum</i>	coontail	3	1.57					
7/29-30/98	2	5	<i>Vallisneria americana</i>	wild celery	7	4.7					
7/29-30/98	2	5	<i>Potamogeton spp.</i>	narrowleaf pondweed	1	0.74					
7/29-30/98	2	6	<i>Elodea canadensis</i>	common waterweed	6	4.97					
7/29-30/98	2	6	<i>Myriophyllum exalbascens</i>	northern water milfoil	17	16.51					
7/29-30/98	2	6	<i>Potamogeton amplifolius</i>	large-leaf pondweed	9	16.31	15.82				
7/29-30/98	2	6	<i>Vallisneria americana</i>	wild celery	1	0.33					

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Control								
Plot 2								
7/29-30/98	2	6	<i>Ceratophyllum demersum</i>	coontail	1	0.64		
7/29-30/98	2	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	9	5.32		
7/29-30/98	2	7	<i>Ceratophyllum demersum</i>	coontail	12	23.33		
7/29-30/98	2	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	13	4.17		
7/29-30/98	2	7	<i>Vallisneria americana</i>	wild celery	7	1.82		
7/29-30/98	2	8	<i>Vallisneria americana</i>	wild celery	29	7.82		
7/29-30/98	2	8	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.99	0.98	
7/29-30/98	2	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	1.21		
7/29-30/98	2	8	<i>Zosterella dubia</i>	water stargrass	5	0.6		
7/29-30/98	2	8	<i>Potamogeton amplifolius</i>	large-leaf pondweed	5	8.59		
7/29-30/98	2	9	<i>Potamogeton crispus</i>	curly-leaf pondweed	7	1.13		
7/29-30/98	2	9	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	2.37		
7/29-30/98	2	9	<i>Ceratophyllum demersum</i>	coontail	7	7.03		
7/29-30/98	2	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	20	17.92		
7/29-30/98	2	10	<i>Potamogeton amplifolius</i>	large-leaf pondweed	12	4.74	4.66	
7/29-30/98	2	10	<i>Vallisneria americana</i>	wild celery	26	3.18		
7/29-30/98	2	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	1.06		
8/17-20/98	2	1	<i>Ceratophyllum demersum</i>	coontail	2	13		
8/17-20/98	2	1	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.5		
8/17-20/98	2	2	<i>Vallisneria americana</i>	wild celery	24	12.1		
8/17-20/98	2	2	<i>Potamogeton robbinsii</i>	Robbins pondweed	3	1		
8/17-20/98	2	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	3	7.5		
8/17-20/98	2	2	<i>Elodea canadensis</i>	common waterweed	2	0.1386		
8/17-20/98	2	2	<i>Ceratophyllum demersum</i>	coontail	2	22.6		
8/17-20/98	2	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	1.2		
8/17-20/98	2	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	12	19.9		
8/17-20/98	2	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	10	10.6		
8/17-20/98	2	3	<i>Ceratophyllum demersum</i>	coontail	3	11.4		
8/17-20/98	2	3	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.8		
8/17-20/98	2	4	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	10	12		
8/17-20/98	2	4	<i>Ceratophyllum demersum</i>	coontail	3	2		
8/17-20/98	2	4	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	1.5		
8/17-20/98	2	4	<i>Vallisneria americana</i>	wild celery	12	1.9		
8/17-20/98	2	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	6	10.2	10.2	
8/17-20/98	2	5	<i>Ceratophyllum demersum</i>	coontail	5	0.6		



## Control

## Plot 2

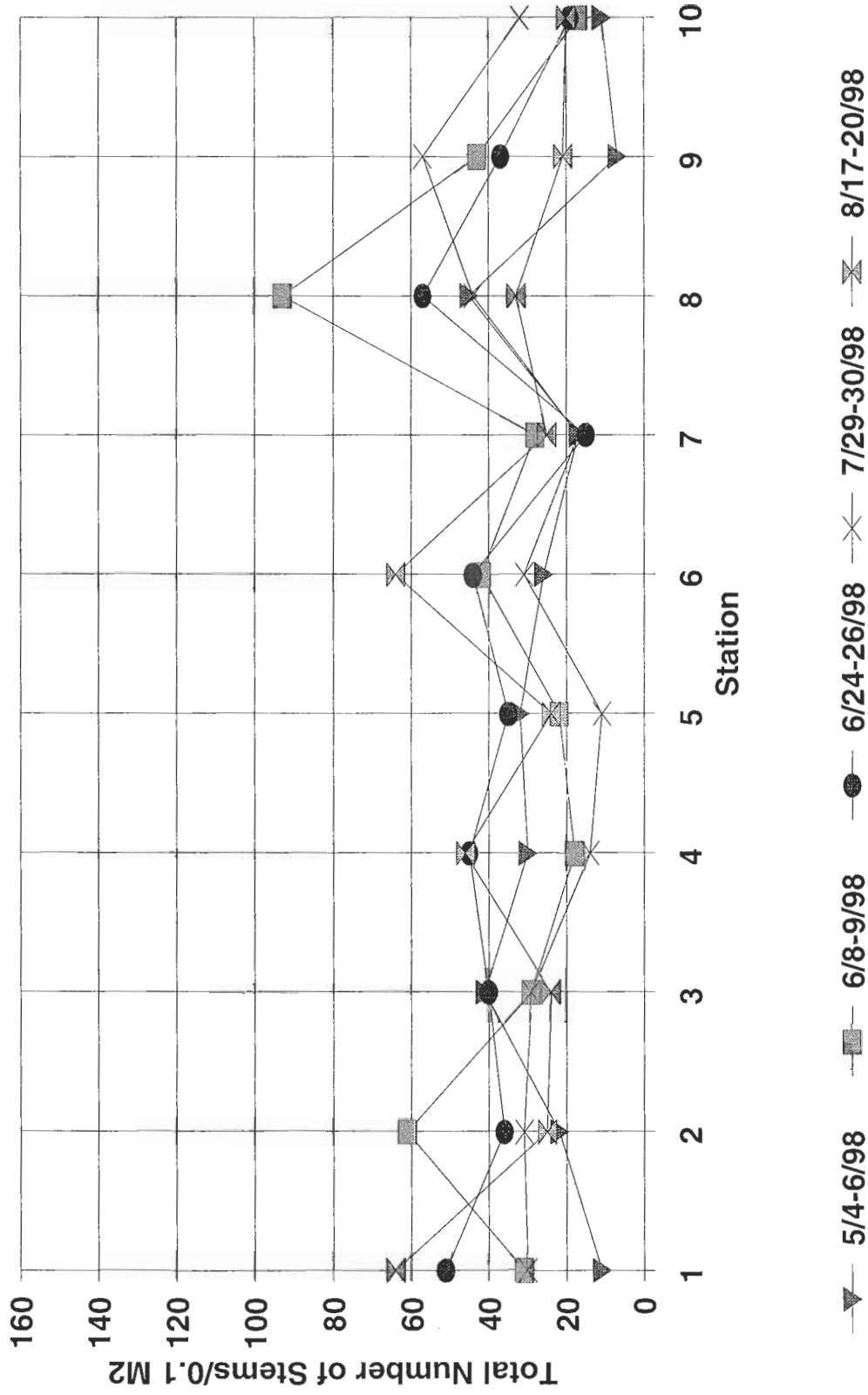
Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
8/17-20/98	2	5	<i>Myriophyllum exalbescens</i>	northern water milfoil	1	0.4		
8/17-20/98	2	5	<i>Vallisneria americana</i>	wild celery	22	6.5		
8/17-20/98	2	6	<i>Potamogeton robbinsii</i>	Robbins pondweed	2	1.1		
8/17-20/98	2	6	<i>Myriophyllum exalbescens</i>	northern water milfoil	7	6.6		
8/17-20/98	2	6	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	10	28.2		
8/17-20/98	2	6	<i>Elodea canadensis</i>	common waterweed	1	0.2		
8/17-20/98	2	6	<i>Ceratophyllum demersum</i>	coontail	2	1.7		
8/17-20/98	2	6	<i>Vallisneria americana</i>	wild celery	1	0.2		
8/17-20/98	2	7	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	3		
8/17-20/98	2	7	<i>Vallisneria americana</i>	wild celery	10	2.8		
8/17-20/98	2	7	<i>Ceratophyllum demersum</i>	coontail	5	10.1		
8/17-20/98	2	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	1.7		
8/17-20/98	2	7	<i>Zosterella dubia</i>	water stargrass	12	1.9		
8/17-20/98	2	8	<i>Ceratophyllum demersum</i>	coontail	1	1.2		
8/17-20/98	2	8	<i>Elodea canadensis</i>	common waterweed	1	0.0914		
8/17-20/98	2	8	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	8	9.4		
8/17-20/98	2	8	<i>Vallisneria americana</i>	wild celery	30	5.3		
8/17-20/98	2	9	<i>Ceratophyllum demersum</i>	coontail	4	4.6		
8/17-20/98	2	9	<i>Elodea canadensis</i>	common waterweed	4	3.7		
8/17-20/98	2	9	<i>Vallisneria americana</i>	wild celery	4	1.3		1.4
8/17-20/98	2	9	<i>Zosterella dubia</i>	water stargrass	4	0.7		
8/17-20/98	2	9	<i>Myriophyllum exalbescens</i>	northern water milfoil	4	6.5		
8/17-20/98	2	10	<i>Ceratophyllum demersum</i>	coontail	1	0.3		
8/17-20/98	2	10	<i>Zosterella dubia</i>	water stargrass	3	0.5		
8/17-20/98	2	10	<i>Elodea canadensis</i>	common waterweed	3	1.6		
8/17-20/98	2	10	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	9	3.8		
8/17-20/98	2	10	<i>Vallisneria americana</i>	wild celery	22	5.5		
8/17-20/98	2	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.4		

*Appendix A-2*

**Control Plot 6**

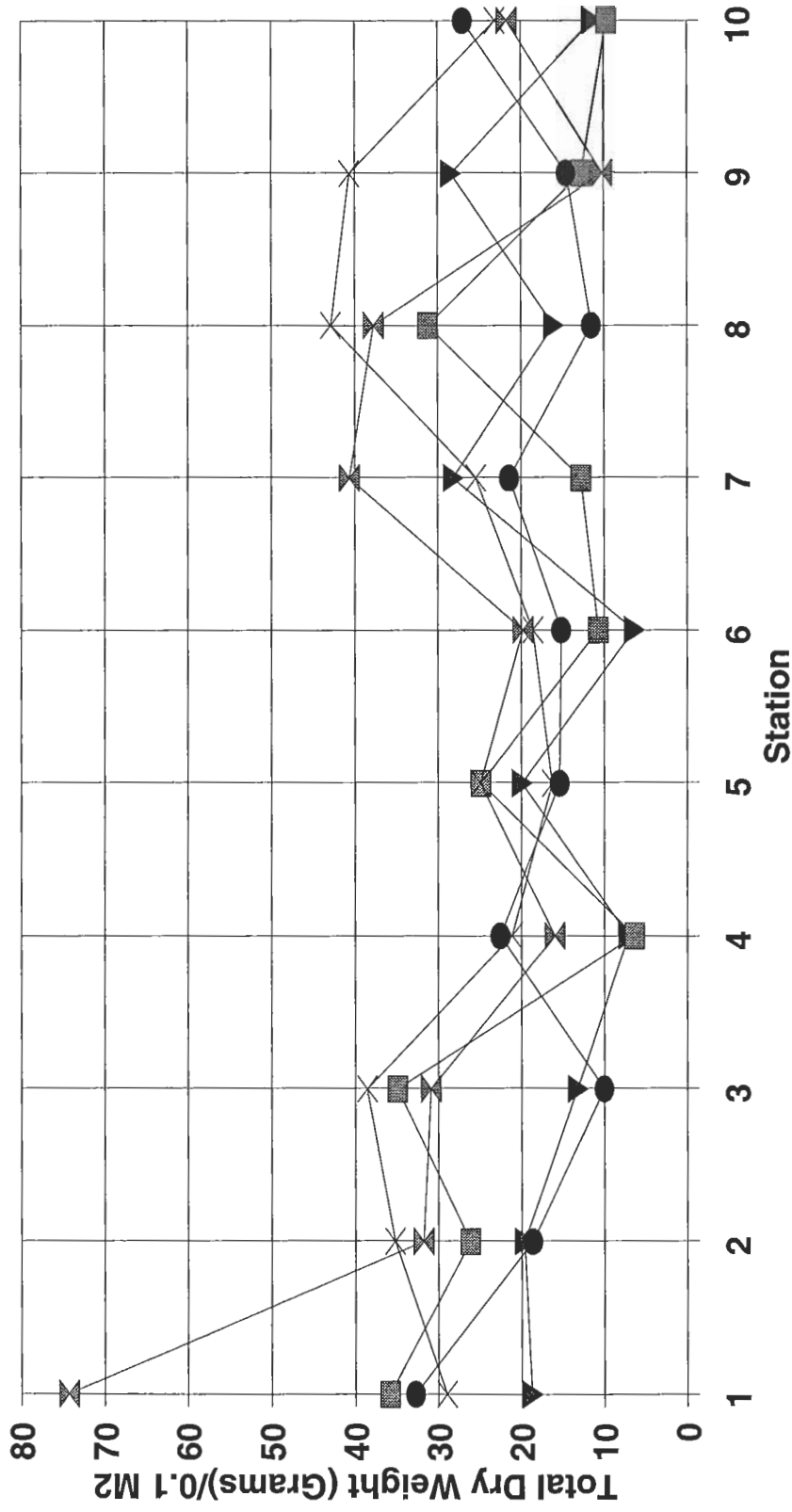
# Big Lake Macrophyte Pilot Project

## 1998 Control Plot 6 By Station



# Big Lake Macrophyte Pilot Project

## 1998 Control Plot 6 By Station



Big Lake Pilot Program  
1998 Monitoring Results from Control Plot 2

## Control

## Plot 6

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
5/4-6/98		6	1 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	1.09		
5/4-6/98		6	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.37		
5/4-6/98		6	1 <i>Ceratophyllum demersum</i>	coontail	5	17.33		
5/4-6/98		6	2 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	1.4		
5/4-6/98		6	2 <i>Ceratophyllum demersum</i>	coontail	5	16.19		
5/4-6/98		6	2 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.0778		
5/4-6/98		6	2 <i>Myriophyllum exalbascens</i>	northern water milfoil	10	1.89		
5/4-6/98		6	2 <i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.12		
5/4-6/98		6	3 <i>Myriophyllum exalbascens</i>	northern water milfoil	18	3.88		
5/4-6/98		6	3 <i>Elodea canadensis</i>	common waterweed	8	0.6		
5/4-6/98		6	3 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.22		
5/4-6/98		6	3 <i>Potamogeton amplifolius</i>	large-leaf pondweed	3	0.39		
5/4-6/98		6	3 <i>Ceratophyllum demersum</i>	coontail	4	7.73		
5/4-6/98		6	3 <i>Potamogeton gramineus</i>	variable pondweed	1	0.0187		
5/4-6/98		6	3 <i>Ranunculus spp.</i>	water crowfoot	1	0.0246		
5/4-6/98		6	3 <i>Zosterella dubia</i>	water stargrass	5	0.41		
5/4-6/98		6	4 <i>Ranunculus spp.</i>	water crowfoot	1	0.0557		
5/4-6/98		6	4 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.15		
5/4-6/98		6	4 <i>Potamogeton amplifolius</i>	large-leaf pondweed	9	1.9		
5/4-6/98		6	4 <i>Ceratophyllum demersum</i>	coontail	1	2.8		
5/4-6/98		6	4 <i>Elodea canadensis</i>	common waterweed	4	0.64		
5/4-6/98		6	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	6	0.97		
5/4-6/98		6	4 <i>Potamogeton gramineus</i>	variable pondweed	1	0.0365		
5/4-6/98		6	4 <i>Zosterella dubia</i>	water stargrass	7	0.58		
5/4-6/98		6	5 <i>Ranunculus spp.</i>	water crowfoot	1	0.0708		
5/4-6/98		6	5 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	12	2.52		
5/4-6/98		6	5 <i>Elodea canadensis</i>	common waterweed	9	0.9		
5/4-6/98		6	5 <i>Myriophyllum exalbascens</i>	northern water milfoil	3	0.5		
5/4-6/98		6	5 <i>Ceratophyllum demersum</i>	coontail	6	15.8		
5/4-6/98		6	5 <i>Zosterella dubia</i>	water stargrass	1	0.1194		

Control	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams
Plot 6								
	5/4-6/98	6	6	<i>Myriophyllum exalbascens</i>	northern water milfoil	2	0.0737	
	5/4-6/98	6	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	0.58	
	5/4-6/98	6	6	<i>Ceratophyllum demersum</i>	coontail	2	3.91	
	5/4-6/98	6	6	<i>Elodea canadensis</i>	common waterweed	4	0.44	
	5/4-6/98	6	6	<i>Potamogeton amplifolius</i>	large-leaf pondweed	3	0.44	
	5/4-6/98	6	6	<i>Ranunculus spp.</i>	water crowfoot	4	0.48	
	5/4-6/98	6	6	<i>Zosterella dubia</i>	water stargrass	7	0.53	
	5/4-6/98	6	7	<i>Elodea canadensis</i>	common waterweed	2	0.32	
	5/4-6/98	6	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	0.55	
	5/4-6/98	6	7	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.1511	
	5/4-6/98	6	7	<i>Ceratophyllum demersum</i>	coontail	10	27.19	
	5/4-6/98	6	8	<i>Elodea canadensis</i>	common waterweed	34	13.42	
	5/4-6/98	6	8	<i>Ceratophyllum demersum</i>	coontail	1	1.89	
	5/4-6/98	6	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.34	
	5/4-6/98	6	8	<i>Zosterella dubia</i>	water stargrass	7	0.4	
	5/4-6/98	6	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.16	
	5/4-6/98	6	9	<i>Ceratophyllum demersum</i>	coontail	4	28.24	
	5/4-6/98	6	10	<i>Ceratophyllum demersum</i>	coontail	2	10.7	
	5/4-6/98	6	10	<i>Elodea canadensis</i>	common waterweed	2	0.15	
	5/4-6/98	6	10	<i>Potamogeton amplifolius</i>	large-leaf pondweed	3	0.37	
	5/4-6/98	6	10	<i>Zosterella dubia</i>	water stargrass	3	0.1466	
	5/4-6/98	6	10	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.0593	
	6/8-9/98	6	1	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	13	<b>5.06</b>	
	6/8-9/98	6	1	<i>Elodea canadensis</i>	common waterweed	2	0.25	
	6/8-9/98	6	1	<i>Myriophyllum exalbascens</i>	northern water milfoil	3	0.77	
	6/8-9/98	6	1	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	5.4	
	6/8-9/98	6	1	<i>Ceratophyllum demersum</i>	coontail	10	24.39	
	6/8-9/98	6	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	13	7.92	
	6/8-9/98	6	2	<i>Elodea canadensis</i>	common waterweed	21	3.14	
	6/8-9/98	6	2	<i>Potamogeton spp.</i>	narrowleaf pondweed	6	0.65	
	6/8-9/98	6	2	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	0.78	
	6/8-9/98	6	2	<i>Ceratophyllum demersum</i>	coontail	3	2.36	
	6/8-9/98	6	2	<i>Potamogeton amplifolius</i>	large-leaf pondweed	4	5.93	
	6/8-9/98	6	2	<i>Vallisneria americana</i>	wild celery	1	0.0683	
	6/8-9/98	6	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	11	5.33	

Control	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Plot 6									
	6/8-9/98		6	3 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.36		
	6/8-9/98		6	3 <i>Vallisneria americana</i>	wild celery	1	0.11		
	6/8-9/98		6	3 <i>Elodea canadensis</i>	common waterweed	1	0.0555		
	6/8-9/98		6	3 <i>Potamogeton amplifolius</i>	large-leaf pondweed	2	3.04		
	6/8-9/98		6	3 <i>Myriophyllum exalbascens</i>	northern water milfoil	19	12.85		
	6/8-9/98		6	3 <i>Ceratophyllum demersum</i>	coontail	5	18.9		
	6/8-9/98		6	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.78		
	6/8-9/98		6	4 <i>Zosterella dubia</i>	water stargrass	11	0.24		
	6/8-9/98		6	4 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.0254		
	6/8-9/98		6	4 <i>Potamogeton amplifolius</i>	large-leaf pondweed	5	5.38		
	6/8-9/98		6	5 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	6	2.12		
	6/8-9/98		6	5 <i>Elodea canadensis</i>	common waterweed	1	0.077		
	6/8-9/98		6	5 <i>Myriophyllum exalbascens</i>	northern water milfoil	3	1.88		
	6/8-9/98		6	5 <i>Vallisneria americana</i>	wild celery	1	0.0517		
	6/8-9/98		6	5 <i>Ceratophyllum demersum</i>	coontail	11	20.72		
	6/8-9/98		6	6 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.81		
	6/8-9/98		6	6 <i>Elodea canadensis</i>	common waterweed	2	0.24		
	6/8-9/98		6	6 <i>Zosterella dubia</i>	water stargrass	6	0.19		
	6/8-9/98		6	6 <i>Ceratophyllum demersum</i>	coontail	3	4.97		
	6/8-9/98		6	6 <i>Vallisneria americana</i>	wild celery	5	0.24		
	6/8-9/98		6	6 <i>Potamogeton amplifolius</i>	large-leaf pondweed	4	3.38		
	6/8-9/98		6	6 <i>Ranunculus spp.</i>	water crowfoot	21	0.9		
	6/8-9/98		6	7 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	11	5.12		
	6/8-9/98		6	7 <i>Ceratophyllum demersum</i>	coontail	4	6.13		
	6/8-9/98		6	7 <i>Potamogeton spp.</i>	narrowleaf pondweed	5	0.24		
	6/8-9/98		6	7 <i>Elodea canadensis</i>	common waterweed	7	0.94		
	6/8-9/98		6	7 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.37	0.37	
	6/8-9/98		6	8 <i>Ranunculus spp.</i>	water crowfoot	12	0.79		
	6/8-9/98		6	8 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.9		
	6/8-9/98		6	8 <i>Zosterella dubia</i>	water stargrass	2	0.1048	0.1042	
	6/8-9/98		6	8 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.2523		
	6/8-9/98		6	8 <i>Ceratophyllum demersum</i>	coontail	2	11.84		
	6/8-9/98		6	8 <i>Elodea canadensis</i>	common waterweed	73	17.37		
	6/8-9/98		6	9 <i>Zosterella dubia</i>	water stargrass	17	0.44		
	6/8-9/98		6	9 <i>Ceratophyllum demersum</i>	coontail	3	4.28		

Control	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Plot 6	6/8-9/98		6	9 <i>Potamogeton</i> spp.	narrowleaf pondweed	7	0.3		
	6/8-9/98		6	9 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.0633		
	6/8-9/98		6	9 <i>Elodea canadensis</i>	common waterweed	1	0.0265		
	6/8-9/98		6	9 <i>Vallisneria americana</i>	wild celery	3	0.21		
	6/8-9/98		6	9 <i>Potamogeton amplifolius</i>	large-leaf pondweed	2	2.27		
	6/8-9/98		6	9 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	1.26		
	6/8-9/98		6	9 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	3.92		
	6/8-9/98		6	10 <i>Zosterella dubia</i>	water stargrass	3	0.1777		
	6/8-9/98		6	10 <i>Ceratophyllum demersum</i>	coontail	4	5.99		
	6/8-9/98		6	10 <i>Potamogeton</i> spp.	narrowleaf pondweed	2	0.35		
	6/8-9/98		6	10 <i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.1097		
	6/8-9/98		6	10 <i>Elodea canadensis</i>	common waterweed	3	0.34		
	6/8-9/98		6	10 <i>Potamogeton amplifolius</i>	large-leaf pondweed	3	2.7		
	6/8-9/98		6	10 <i>Vallisneria americana</i>	wild celery	1	0.0573		
	6/24-26/98		6	1 <i>Myriophyllum exalbascens</i>	northern water milfoil	6	<b>2.67</b>		
	6/24-26/98		6	1 <i>Vallisneria americana</i>	wild celery	3	0.57		
	6/24-26/98		6	1 <i>Zosterella dubia</i>	water stargrass	5	0.26		
	6/24-26/98		6	1 <i>Ceratophyllum demersum</i>	coontail	6	4.32		4.25
	6/24-26/98		6	1 <i>Potamogeton</i> spp.	narrowleaf pondweed	8	0.73		
	6/24-26/98		6	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	9.02		
	6/24-26/98		6	1 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	18	15.26		
	6/24-26/98		6	2 <i>Potamogeton crispus</i>	curly-leaf pondweed	2	2.83		
	6/24-26/98		6	2 <i>Ceratophyllum demersum</i>	coontail	4	3.66		
	6/24-26/98		6	2 <i>Elodea canadensis</i>	common waterweed	1	0.0459		
	6/24-26/98		6	2 <i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.12		
	6/24-26/98		6	2 <i>Myriophyllum exalbascens</i>	northern water milfoil	5	3.57		
	6/24-26/98		6	2 <i>Vallisneria americana</i>	wild celery	3	0.33		
	6/24-26/98		6	2 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	2.11		
	6/24-26/98		6	2 <i>Potamogeton</i> spp.	narrowleaf pondweed	10	1		
	6/24-26/98		6	2 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	6	5.04		
	6/24-26/98		6	3 <i>Zosterella dubia</i>	water stargrass	3	0.24		
	6/24-26/98		6	3 <i>Vallisneria americana</i>	wild celery	8	1.36		
	6/24-26/98		6	3 <i>Ceratophyllum demersum</i>	coontail	5	4.84		
	6/24-26/98		6	3 <i>Potamogeton</i> spp.	narrowleaf pondweed	17	1.72		
	6/24-26/98		6	3 <i>Najas flexilis</i>	slender naiad	6	0.0392		



Control	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Plot 6	6/24-26/98		6	3 <i>Potamogeton amplifolius</i>	large-leaf pondweed	1	1.84		
	6/24-26/98		6	4 <i>Myriophyllum exalbascens</i>	northern water milfoil	4	1.3		
	6/24-26/98		6	4 <i>Ranunculus spp.</i>	water crowfoot	6	0.6		
	6/24-26/98		6	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.49		
	6/24-26/98		6	4 <i>Zosterella dubia</i>	water stargrass	4	0.41		
	6/24-26/98		6	4 <i>Ceratophyllum demersum</i>	coontail	5	5.9		
	6/24-26/98		6	4 <i>Elodea canadensis</i>	common waterweed	17	4.89	4.8	
	6/24-26/98		6	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	8.98		
	6/24-26/98		6	5 <i>Ceratophyllum demersum</i>	coontail	4	7.85		
	6/24-26/98		6	5 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.41		
	6/24-26/98		6	5 <i>Zosterella dubia</i>	water stargrass	5	0.21	0.21	
	6/24-26/98		6	5 <i>Elodea canadensis</i>	common waterweed	3	0.11		
	6/24-26/98		6	5 <i>Potamogeton spp.</i>	narrowleaf pondweed	5	0.6		
	6/24-26/98		6	5 <i>Vallisneria americana</i>	wild celery	9	2.35		
	6/24-26/98		6	5 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	3.86		
	6/24-26/98		6	6 <i>Zosterella dubia</i>	water stargrass	18	0.85		
	6/24-26/98		6	6 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.24		
	6/24-26/98		6	6 <i>Vallisneria americana</i>	wild celery	7	1.75		
	6/24-26/98		6	6 <i>Ceratophyllum demersum</i>	coontail	6	6.83		
	6/24-26/98		6	6 <i>Ranunculus spp.</i>	water crowfoot	1	0.0334		
	6/24-26/98		6	6 <i>Elodea canadensis</i>	common waterweed	6	0.73		
	6/24-26/98		6	6 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.16		
	6/24-26/98		6	6 <i>Potamogeton amplifolius</i>	large-leaf pondweed	4	4.56		
	6/24-26/98		6	7 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	1.05		
	6/24-26/98		6	7 <i>Ceratophyllum demersum</i>	coontail	6	15.86		
	6/24-26/98		6	7 <i>Zosterella dubia</i>	water stargrass	1	0.0526		
	6/24-26/98		6	7 <i>Potamogeton spp.</i>	narrowleaf pondweed	2	0.0601		
	6/24-26/98		6	7 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.0668		
	6/24-26/98		6	7 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	4.33		
	6/24-26/98		6	8 <i>Myriophyllum exalbascens</i>	northern water milfoil	4	0.95		
	6/24-26/98		6	8 <i>Ceratophyllum demersum</i>	coontail	1	0.48		
	6/24-26/98		6	8 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.96		
	6/24-26/98		6	8 <i>Elodea canadensis</i>	common waterweed	51	9.18		
	6/24-26/98		6	9 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	2.32		
	6/24-26/98		6	9 <i>Zosterella dubia</i>	water stargrass	3	0.1261		

Control		Plot		Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams		
6/24-26/98	6	9	<i>Myriophyllum exalbascens</i>	northern water milfoil	7	4.53				
6/24-26/98	6	9	<i>Ceratophyllum demersum</i>	coontail	2	3.6				
6/24-26/98	6	9	<i>Elodea canadensis</i>	common waterweed	2	0.41				
6/24-26/98	6	9	<i>Vallisneria americana</i>	wild celery	3	0.76				
6/24-26/98	6	9	<i>Potamogeton spp.</i>	narrowleaf pondweed	15	1.65				
6/24-26/98	6	9	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.61				
6/24-26/98	6	9	<i>Potamogeton amplifolius</i>	large-leaf pondweed	1	2.85				
6/24-26/98	6	10	<i>Ceratophyllum demersum</i>	coontail	8	22.16				
6/24-26/98	6	10	<i>Elodea canadensis</i>	common waterweed	8	2.75				
6/24-26/98	6	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.0582				
6/24-26/98	6	10	<i>Potamogeton amplifolius</i>	large-leaf pondweed	2	2.05				
7/29-30/98	6	1	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	5.07				
7/29-30/98	6	1	<i>Elodea canadensis</i>	common waterweed	10	5.58				
7/29-30/98	6	1	<i>Vallisneria americana</i>	wild celery	4	1.59				
7/29-30/98	6	1	<i>Myriophyllum exalbascens</i>	northern water milfoil	11	16.78				
7/29-30/98	6	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	13	7.53				
7/29-30/98	6	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	6	14.38				
7/29-30/98	6	2	<i>Ceratophyllum demersum</i>	coontail	1	0.71				
7/29-30/98	6	2	<i>Vallisneria americana</i>	wild celery	1	0.14				
7/29-30/98	6	2	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	4.15				
7/29-30/98	6	2	<i>Potamogeton amplifolius</i>	large-leaf pondweed	5	8.3				
7/29-30/98	6	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	9	6.49				
7/29-30/98	6	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	15	30.42				
7/29-30/98	6	3	<i>Zosterella dubia</i>	water stargrass	3	0.93	0.88			
7/29-30/98	6	3	<i>Elodea canadensis</i>	common waterweed	2	0.75				
7/29-30/98	6	4	<i>Zosterella dubia</i>	water stargrass	4	1.68				
7/29-30/98	6	4	<i>Myriophyllum exalbascens</i>	northern water milfoil	2	1.03	1.02			
7/29-30/98	6	4	<i>Ceratophyllum demersum</i>	coontail	2	13.08				
7/29-30/98	6	4	<i>Potamogeton amplifolius</i>	large-leaf pondweed	6	5.34				
7/29-30/98	6	5	<i>Vallisneria americana</i>	wild celery	1	0.18				
7/29-30/98	6	5	<i>Ceratophyllum demersum</i>	coontail	7	12.1				
7/29-30/98	6	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	1.55				
7/29-30/98	6	5	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	2.51	2.49			
7/29-30/98	6	6	<i>Zosterella dubia</i>	water stargrass	2	0.56				
7/29-30/98	6	6	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	9	8.79				

Control	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams	
Plot 6								
Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
6/24-26/98	6	9	<i>Myriophyllum exalbascens</i>	northern water milfoil	7	4.53		
6/24-26/98	6	9	<i>Ceratophyllum demersum</i>	coontail	2	3.6		
6/24-26/98	6	9	<i>Elodea canadensis</i>	common waterweed	2	0.41		
6/24-26/98	6	9	<i>Vallisneria americana</i>	wild celery	3	0.76		
6/24-26/98	6	9	<i>Potamogeton spp.</i>	narrowleaf pondweed	15	1.65		
6/24-26/98	6	9	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.61		
6/24-26/98	6	9	<i>Potamogeton amplifolius</i>	large-leaf pondweed	1	2.85		
6/24-26/98	6	10	<i>Ceratophyllum demersum</i>	coontail	8	22.16		
6/24-26/98	6	10	<i>Elodea canadensis</i>	common waterweed	8	2.75		
6/24-26/98	6	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.0582		
6/24-26/98	6	10	<i>Potamogeton amplifolius</i>	large-leaf pondweed	2	2.05		
7/29-30/98	6	1	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	5.07		
7/29-30/98	6	1	<i>Elodea canadensis</i>	common waterweed	10	5.58		
7/29-30/98	6	1	<i>Vallisneria americana</i>	wild celery	4	1.59		
7/29-30/98	6	1	<i>Myriophyllum exalbascens</i>	northern water milfoil	11	16.78		
7/29-30/98	6	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	13	7.53		
7/29-30/98	6	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	6	14.38		
7/29-30/98	6	2	<i>Ceratophyllum demersum</i>	coontail	1	0.71		
7/29-30/98	6	2	<i>Vallisneria americana</i>	wild celery	1	0.14		
7/29-30/98	6	2	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	4.15		
7/29-30/98	6	2	<i>Potamogeton amplifolius</i>	large-leaf pondweed	5	8.3		
7/29-30/98	6	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	9	6.49		
7/29-30/98	6	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	15	30.42		
7/29-30/98	6	3	<i>Zosterella dubia</i>	water stargrass	3	0.93	0.88	
7/29-30/98	6	3	<i>Elodea canadensis</i>	common waterweed	2	0.75		
7/29-30/98	6	4	<i>Zosterella dubia</i>	water stargrass	4	1.68		
7/29-30/98	6	4	<i>Myriophyllum exalbascens</i>	northern water milfoil	2	1.03	1.02	
7/29-30/98	6	4	<i>Ceratophyllum demersum</i>	coontail	2	13.08		
7/29-30/98	6	4	<i>Potamogeton amplifolius</i>	large-leaf pondweed	6	5.34		
7/29-30/98	6	5	<i>Vallisneria americana</i>	wild celery	1	0.18		
7/29-30/98	6	5	<i>Ceratophyllum demersum</i>	coontail	7	12.1		
7/29-30/98	6	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	1.55		
7/29-30/98	6	5	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	2.51	2.49	
7/29-30/98	6	6	<i>Zosterella dubia</i>	water stargrass	2	0.56		
7/29-30/98	6	6	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	9	8.79		

## Control

## Plot 6

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
7/29-30/98	6	6	<i>Elodea canadensis</i>	common waterweed	6	3.69		
7/29-30/98	6	6	<i>Vallisneria americana</i>	wild celery	10	1.89		
7/29-30/98	6	6	<i>Ceratophyllum demersum</i>	coontail	2	3.6		
7/29-30/98	6	6	<i>Ranunculus</i> spp.	water crowfoot	2	0.1		
7/29-30/98	6	7	<i>Elodea canadensis</i>	common waterweed	2	0.0897	0.0865	
7/29-30/98	6	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.66		
7/29-30/98	6	7	<i>Ceratophyllum demersum</i>	coontail	14	24.72		
7/29-30/98	6	8	<i>Elodea canadensis</i>	common waterweed	39	40.8		
7/29-30/98	6	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.46		
7/29-30/98	6	8	<i>Ceratophyllum demersum</i>	coontail	2	1.11		
7/29-30/98	6	8	<i>Najas flexilis</i>	bushy pondweed	2	0.49		
7/29-30/98	6	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	26	13.64		
7/29-30/98	6	9	<i>Ceratophyllum demersum</i>	coontail	3	2.44		
7/29-30/98	6	9	<i>Elodea canadensis</i>	common waterweed	3	0.33		
7/29-30/98	6	9	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	1.29		
7/29-30/98	6	9	<i>Potamogeton amplifolius</i>	large-leaf pondweed	12	17.82		
7/29-30/98	6	9	<i>Myriophyllum exalbascens</i>	northern water milfoil	9	3.71		
7/29-30/98	6	9	<i>Vallisneria americana</i>	wild celery	2	1.45		
7/29-30/98	6	10	<i>Ceratophyllum demersum</i>	coontail	5	10.34		
7/29-30/98	6	10	<i>Vallisneria americana</i>	wild celery	7	1.75		
7/29-30/98	6	10	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	8	9.47		
7/29-30/98	6	10	<i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.6		
7/29-30/98	6	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.25		
7/29-30/98	6	10	<i>Potamogeton spp.</i>	narrow-leaf pondweed	6	0.16		
7/29-30/98	6	10	<i>Zosterella dubia</i>	water stargrass	1	0.14		
7/29-30/98	6	10	<i>Elodea canadensis</i>	common waterweed	3	0.43		
8/17-20/98	6	1	<i>Elodea canadensis</i>	common waterweed	1	0.4		
8/17-20/98	6	1	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	28	27.7		
8/17-20/98	6	1	<i>Vallisneria americana</i>	wild celery	2	0.9		
8/17-20/98	6	1	<i>Ceratophyllum demersum</i>	coontail	6	10.4		
8/17-20/98	6	1	<i>Myriophyllum exalbascens</i>	northern water milfoil	27	34.9		
8/17-20/98	6	2	<i>Ceratophyllum demersum</i>	coontail	7	22.5		
8/17-20/98	6	2	<i>Vallisneria americana</i>	wild celery	5	2.2		
8/17-20/98	6	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	1.4		
8/17-20/98	6	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	6	3.4		

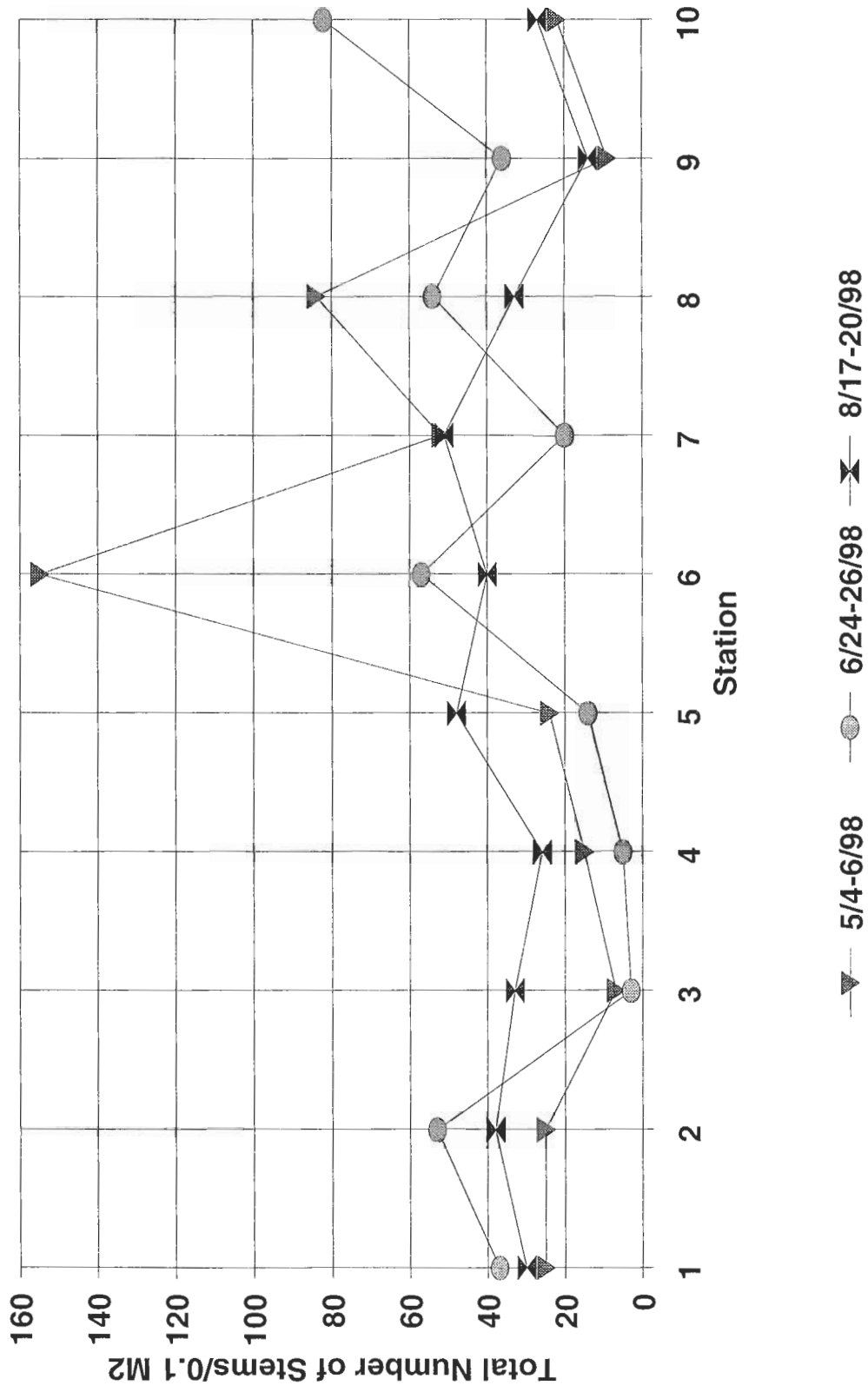
Control		Plot		Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams		
8/17-20/98	6	2	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	1.9				
8/17-20/98	6	2	<i>Elodea canadensis</i>	common waterweed	3	0.4				
8/17-20/98	6	3	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.6				
8/17-20/98	6	3	<i>Vallisneria americana</i>	wild celery	1	0.0607				
8/17-20/98	6	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	10.3				
8/17-20/98	6	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	3.9				
8/17-20/98	6	3	<i>Zosterella dubia</i>	water stargrass	1	0.1				
8/17-20/98	6	3	<i>Elodea canadensis</i>	common waterweed	4	0.3				
8/17-20/98	6	3	<i>Ceratophyllum demersum</i>	coontail	11	15.7				
8/17-20/98	6	4	<i>Myriophyllum exalbascens</i>	northern water milfoil	4	0.4				
8/17-20/98	6	4	<i>Ceratophyllum demersum</i>	coontail	1	2.1				
8/17-20/98	6	4	<i>Elodea canadensis</i>	common waterweed	12	2.1				
8/17-20/98	6	4	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	10	8.8				
8/17-20/98	6	4	<i>Zosterella dubia</i>	water stargrass	19	2.6				
8/17-20/98	6	5	<i>Zosterella dubia</i>	water stargrass	1	0.0528				
8/17-20/98	6	5	<i>Elodea canadensis</i>	common waterweed	3	0.3				
8/17-20/98	6	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.3				
8/17-20/98	6	5	<i>Ceratophyllum demersum</i>	coontail	10	20.4				
8/17-20/98	6	5	<i>Myriophyllum exalbascens</i>	northern water milfoil	3	0.2				
8/17-20/98	6	5	<i>Vallisneria americana</i>	wild celery	3	0.6				
8/17-20/98	6	5	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	3.1				
8/17-20/98	6	6	<i>Zosterella dubia</i>	water stargrass	19	6.7				
8/17-20/98	6	6	<i>Vallisneria americana</i>	wild celery	27	4.6				
8/17-20/98	6	6	<i>Elodea canadensis</i>	common waterweed	5	1		1.1		
8/17-20/98	6	6	<i>Ceratophyllum demersum</i>	coontail	1	0.2				
8/17-20/98	6	6	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	12	7.3				
8/17-20/98	6	7	<i>Potamogeton robbinsii</i>	Robbins pondweed	13	9				
8/17-20/98	6	7	<i>Ceratophyllum demersum</i>	coontail	12	31.7				
8/17-20/98	6	8	<i>Ceratophyllum demersum</i>	coontail	3	6.5				
8/17-20/98	6	8	<i>Elodea canadensis</i>	common waterweed	21	26.4				
8/17-20/98	6	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	9	4.9				
8/17-20/98	6	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	2.3				
8/17-20/98	6	9	<i>Zosterella dubia</i>	water stargrass	8	2.2				

Control	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
Plot 6	8/17-20/98	6	9	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	2		
	8/17-20/98	6	9	<i>Myriophyllum exalbescens</i>	northern water milfoil	5	3.2		
	8/17-20/98	6	9	<i>Ceratophyllum demersum</i>	coontail	1	0.5		
	8/17-20/98	6	10	<i>Vallisneria americana</i>	wild celery	4	1.4		
	8/17-20/98	6	10	<i>Elodea canadensis</i>	common waterweed	8	6.3		
	8/17-20/98	6	10	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	2.6		
	8/17-20/98	6	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.7		
	8/17-20/98	6	10	<i>Ceratophyllum demersum</i>	coontail	2	10.7		

*Appendix A-3*

**Herbicide Plot 4**

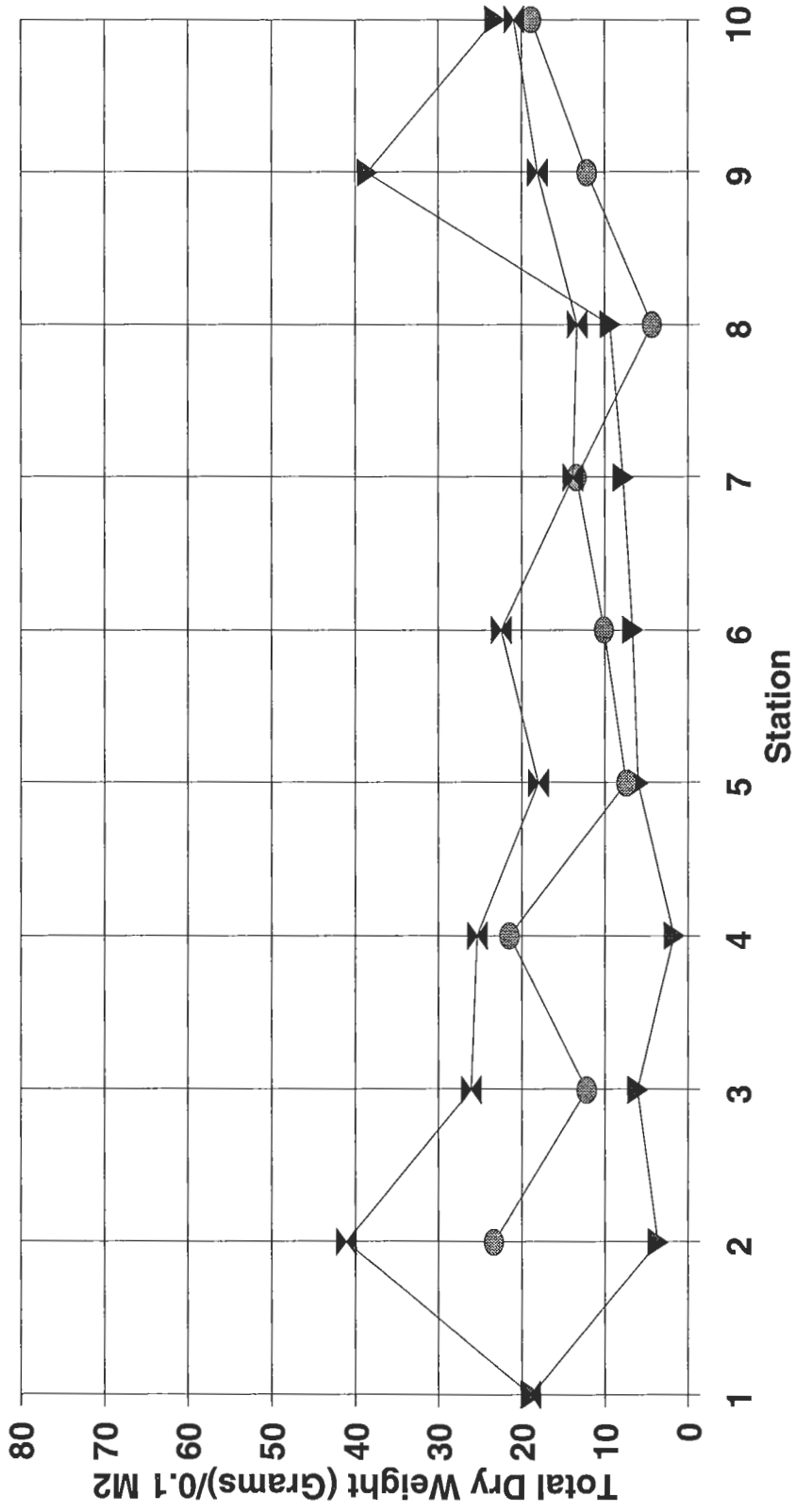
# Big Lake Macrophyte Pilot Project 1998 Herbicide Plot 4 By Station





# Big Lake Macrophyte Pilot Project

## 1998 Herbicide Plot 4 By Station



▼ 5/4-6/98    ● 6/24-26/98    × 8/17-20/98

Big Lake Pilot Program  
 1998 Monitoring Results from Herbicide Plot 4  
 Herbicide  
 Plot 4

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
5/4-6/98	4	1	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	9	1.29		
5/4-6/98	4	1	<i>Potamogeton robbinsii</i>	Robbins pondweed	5	0.92		
5/4-6/98	4	1	<i>Elodea canadensis</i>	common waterweed	6	0.37		
5/4-6/98	4	1	<i>Ceratophyllum demersum</i>	coontail	2	7.39		
5/4-6/98	4	1	<i>Ceratophyllum demersum</i>	coontail	2	8.58		
5/4-6/98	4	1	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.3		
5/4-6/98	4	2	<i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.23		
5/4-6/98	4	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.0858		
5/4-6/98	4	2	<i>Ceratophyllum demersum</i>	coontail	2	2.04		
5/4-6/98	4	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.0619		
5/4-6/98	4	2	<i>Zosterella dubia</i>	water stargrass	20	1.26		
5/4-6/98	4	3	<i>Ceratophyllum demersum</i>	coontail	2	4.79		
5/4-6/98	4	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	5	1.31		
5/4-6/98	4	4	<i>Zosterella dubia</i>	water stargrass	11	0.28		
5/4-6/98	4	4	<i>Myriophyllum exalbascens</i>	northern water milfoil	4	1.5		
5/4-6/98	4	5	<i>Potamogeton crispus</i>	curly-leaf pondweed	10	3.32		
5/4-6/98	4	5	<i>Elodea canadensis</i>	common waterweed	5	0.44		
5/4-6/98	4	5	<i>Ceratophyllum demersum</i>	coontail	1	0.35		
5/4-6/98	4	5	<i>Potamogeton robbinsii</i>	Robbins pondweed	8	1.97		
5/4-6/98	4	6	<i>Myriophyllum exalbascens</i>	northern water milfoil	5	0.69		
5/4-6/98	4	6	<i>Zosterella dubia</i>	water stargrass	150	6.05		
5/4-6/98	4	7	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.45		
5/4-6/98	4	7	<i>Potamogeton crispus</i>	curly-leaf pondweed	5	0.32		
5/4-6/98	4	7	<i>Ceratophyllum demersum</i>	coontail	1	0.36		
5/4-6/98	4	7	<i>Elodea canadensis</i>	common waterweed	25	4.73		
5/4-6/98	4	7	<i>Ranunculus spp.</i>	water crowfoot	8	1.08		
5/4-6/98	4	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.28		
5/4-6/98	4	7	<i>Zosterella dubia</i>	water stargrass	10	0.65		
5/4-6/98	4	8	<i>Zosterella dubia</i>	water stargrass	60	4.38		
5/4-6/98	4	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.45		

Herbicide	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
Plot 4							
Sample Date	Plot						
5/4-6/98	4	8 <i>Myriophyllum exalbascens</i>	northern water milfoil	22	4.53		
5/4-6/98	4	9 <i>Elodea canadensis</i>	common waterweed	2	0.1428		
5/4-6/98	4	9 <i>Ceratophyllum demersum</i>	coontail	7	38.42		
5/4-6/98	4	10 <i>Myriophyllum exalbascens</i>	northern water milfoil	4	1.32		
5/4-6/98	4	10 <i>Ceratophyllum demersum</i>	coontail	8	19.88		
5/4-6/98	4	10 <i>Potamogeton robbinsii</i>	Robbins pondweed	5	1.1		
5/4-6/98	4	10 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	0.91	122.2305	
6/24-26/98	4	1 <i>Vallisneria americana</i>	wild celery	11	2.01		
6/24-26/98	4	1 <i>Ceratophyllum demersum</i>	coontail	4	5.31		
6/24-26/98	4	1 <i>Potamogeton robbinsii</i>	Robbins pondweed	2	1.3		
6/24-26/98	4	1 <i>Myriophyllum exalbascens</i>	northern water milfoil	3	1.27		
6/24-26/98	4	1 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	1.06		
6/24-26/98	4	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	15	12.4		
6/24-26/98	4	2 <i>Vallisneria americana</i>	wild celery	19	4.13		
6/24-26/98	4	2 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	1.17		
6/24-26/98	4	2 <i>Myriophyllum exalbascens</i>	northern water milfoil	6	1.47		
6/24-26/98	4	2 <i>Ceratophyllum demersum</i>	coontail	2	2.14		
6/24-26/98	4	2 <i>Zosterella dubia</i>	water stargrass	19	1.68		
6/24-26/98	4	2 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.0825		
6/24-26/98	4	2 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	1.55		
6/24-26/98	4	3 <i>Ceratophyllum demersum</i>	coontail	3	21.47		
6/24-26/98	4	4 <i>Myriophyllum exalbascens</i>	northern water milfoil	3	3.61		
6/24-26/98	4	4 <i>Ceratophyllum demersum</i>	coontail	2	3.84		
6/24-26/98	4	5 <i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.67		
6/24-26/98	4	5 <i>Zosterella dubia</i>	water stargrass	4	0.13		
6/24-26/98	4	5 <i>Vallisneria americana</i>	wild celery	1	0.0406		
6/24-26/98	4	5 <i>Ceratophyllum demersum</i>	coontail	1	1.24		
6/24-26/98	4	5 <i>Potamogeton amplifolius</i>	large-leaf pondweed	7	8.08		
6/24-26/98	4	6 <i>Potamogeton robbinsii</i>	Robbins pondweed	9	6.36		
6/24-26/98	4	6 <i>Zosterella dubia</i>	water stargrass	33	0.9		
6/24-26/98	4	6 <i>Vallisneria americana</i>	wild celery	7	1.37		

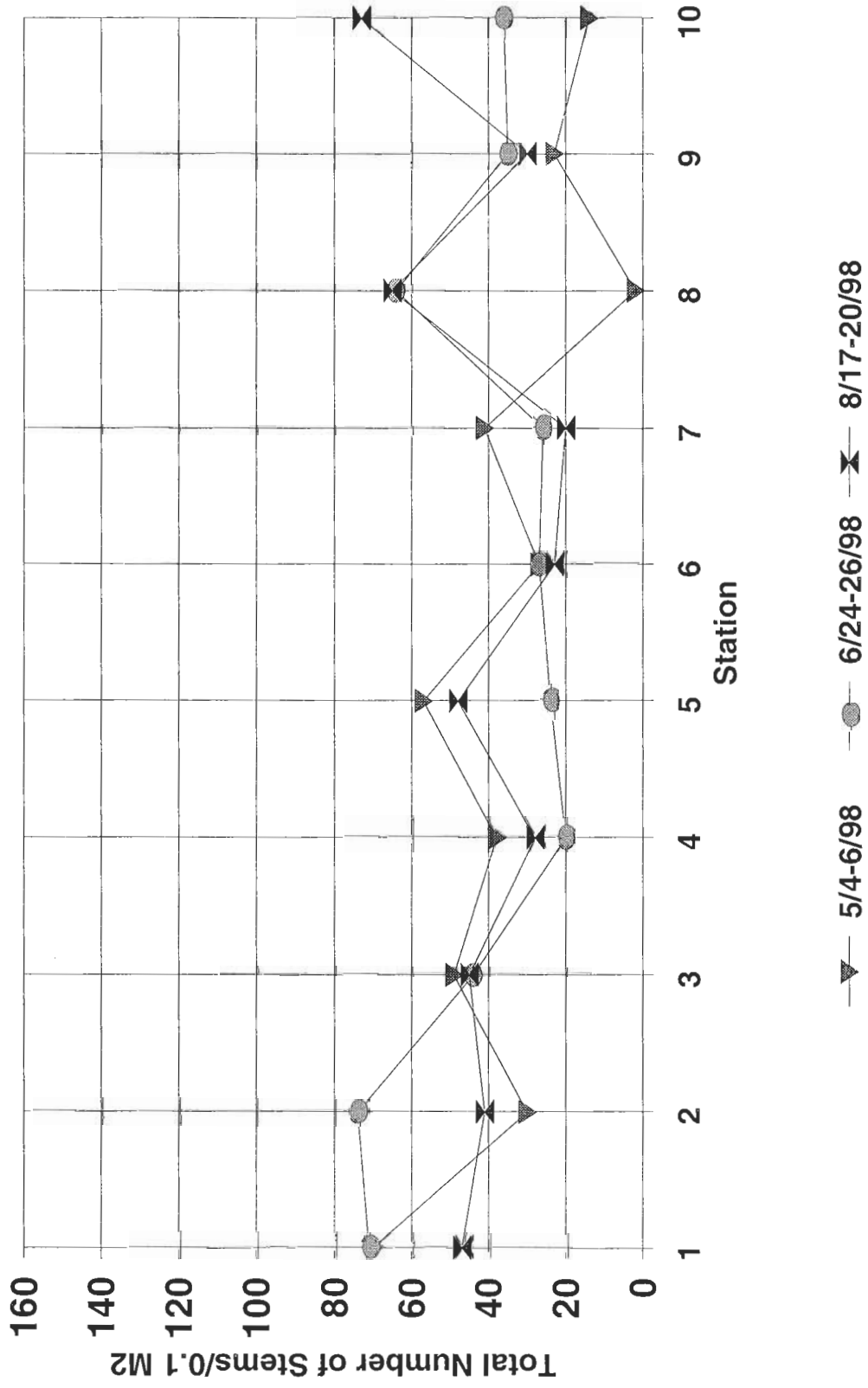
Herbicide Plot 4 Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
6/24-26/98		4	6	<i>Ceratophyllum demersum</i>		0.0801		
6/24-26/98		4	6	<i>Myriophyllum exalbascens</i>		4.69	4.6	
6/24-26/98		4	7	<i>Potamogeton gramineus</i>	3	0.55		
6/24-26/98		4	7	<i>Elodea canadensis</i>	4	0.52		
6/24-26/98		4	7	<i>Eriocaulon spp.</i>		0.0469		
6/24-26/98		4	7	<i>Potamogeton amplifolius</i>	2	0.66		
6/24-26/98		4	7	<i>Vallisneria americana</i>	11	2.6		
6/24-26/98		4	8	<i>Zosterella dubia</i>	27	0.31	0.32	
6/24-26/98		4	8	<i>Potamogeton spp.</i>	1	0.12		
6/24-26/98		4	8	<i>Potamogeton zosteriformis</i>	1	0.13		
6/24-26/98		4	8	<i>Vallisneria americana</i>	7	2.27		
6/24-26/98		4	8	<i>Myriophyllum exalbascens</i>	18	9.32		
6/24-26/98		4	9	<i>Potamogeton robbinsii</i>	1	0.26		
6/24-26/98		4	9	<i>Potamogeton spp.</i>	1	0.0161		
6/24-26/98		4	9	<i>Potamogeton zosteriformis</i>	12	5.68		
6/24-26/98		4	9	<i>Elodea canadensis</i>	11	0.62		
6/24-26/98		4	9	<i>Ceratophyllum demersum</i>	5	7.14		
6/24-26/98		4	9	<i>Myriophyllum exalbascens</i>	3	2.39		
6/24-26/98		4	9	<i>Potamogeton richardsonii</i>	3	2.74		
6/24-26/98		4	10	<i>Potamogeton zosteriformis</i>	10	7.24		
6/24-26/98		4	10	<i>Zosterella dubia</i>	6	0.41		
6/24-26/98		4	10	<i>Ceratophyllum demersum</i>	1	2.95	2.86	
6/24-26/98		4	10	<i>Vallisneria americana</i>	3	0.22		
6/24-26/98		4	10	<i>Elodea canadensis</i>	4	0.24		
6/24-26/98		4	10	<i>Potamogeton robbinsii</i>	2	1.37		
6/24-26/98		4	10	<i>Myriophyllum exalbascens</i>	4	1.43		
6/24-26/98		4	10	<i>Potamogeton spp.</i>	52	4.26		
8/17-20/98		4	1	<i>Potamogeton robbinsii</i>	3	2.7		
8/17-20/98		4	1	<i>Elodea canadensis</i>	11	1.8		
8/17-20/98		4	1	<i>Potamogeton richardsonii</i>	12	9.4		
8/17-20/98		4	1	<i>Ceratophyllum demersum</i>	4	5.1		
8/17-20/98		4	2	<i>Myriophyllum exalbascens</i>	3			

Herbicide Plot 4		Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
Sample Date	Plot							
8/17-20/98	4	2	<i>Ceratophyllum demersum</i>	coontail	4	0.7		
8/17-20/98	4	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	20	3.8		
8/17-20/98	4	2	<i>Vallisneria americana</i>	wild celery	11	6.9		
8/17-20/98	4	2	<i>Zosterella dubia</i>	water stargrass		29.7		
8/17-20/98	4	3	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	31	4.1		
8/17-20/98	4	3	<i>Ceratophyllum demersum</i>	coontail	2	22		
8/17-20/98	4	4	<i>Ceratophyllum demersum</i>	coontail	4	10.8		
8/17-20/98	4	4	<i>Potamogeton robbinsii</i>	Robbins pondweed	6	6.1		
8/17-20/98	4	4	<i>Vallisneria americana</i>	wild celery	16	8.5		
8/17-20/98	4	5	<i>Ceratophyllum demersum</i>	coontail	3	2.6		
8/17-20/98	4	5	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	10	7		
8/17-20/98	4	5	<i>Elodea canadensis</i>	common waterweed	25	4		
8/17-20/98	4	5	<i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.8		
8/17-20/98	4	5	<i>Vallisneria americana</i>	wild celery	9	3.6		
8/17-20/98	4	6	<i>Potamogeton robbinsii</i>	Robbins pondweed	24	8.7		
8/17-20/98	4	6	<i>Vallisneria americana</i>	wild celery	4	1.6		
8/17-20/98	4	6	<i>Myriophyllum exalbescens</i>	northern water milfoil	12	9.3		
8/17-20/98	4	7	<i>Ranunculus sp.</i>	water crowfoot	4	0.5		
8/17-20/98	4	7	<i>Zosterella dubia</i>	water stargrass	2	0.1649		
8/17-20/98	4	7	<i>Elodea canadensis</i>	common waterweed	7	0.9		
8/17-20/98	4	7	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	6	4.6		
8/17-20/98	4	7	<i>Vallisneria americana</i>	wild celery	32	7.7		
8/17-20/98	4	8	<i>Myriophyllum exalbescens</i>	northern water milfoil	9	3.7		
8/17-20/98	4	8	<i>Vallisneria americana</i>	wild celery	12	8.4		
8/17-20/98	4	8	<i>Zosterella dubia</i>	water stargrass	12	1.2		
8/17-20/98	4	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	1.1		
8/17-20/98	4	9	<i>Vallisneria americana</i>	wild celery	5	0.5		
8/17-20/98	4	9	<i>Ceratophyllum demersum</i>	coontail	3	6.3		
8/17-20/98	4	9	<i>Myriophyllum exalbescens</i>	northern water milfoil	3	10.2		
8/17-20/98	4	10	<i>Vallisneria americana</i>	wild celery	14	15.1		
8/17-20/98	4	10	<i>Potamogeton robbinsii</i>	Robbins pondweed	4	1.8		
8/17-20/98	4	10	<i>Ceratophyllum demersum</i>	coontail	3	2.5		
8/17-20/98	4	10	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	1.3		
8/17-20/98	4	10	<i>Myriophyllum exalbescens</i>	northern water milfoil	2	0.2		

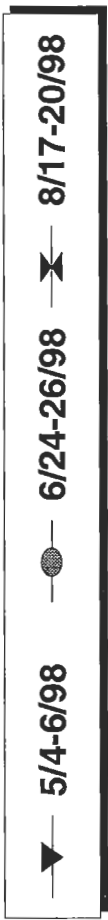
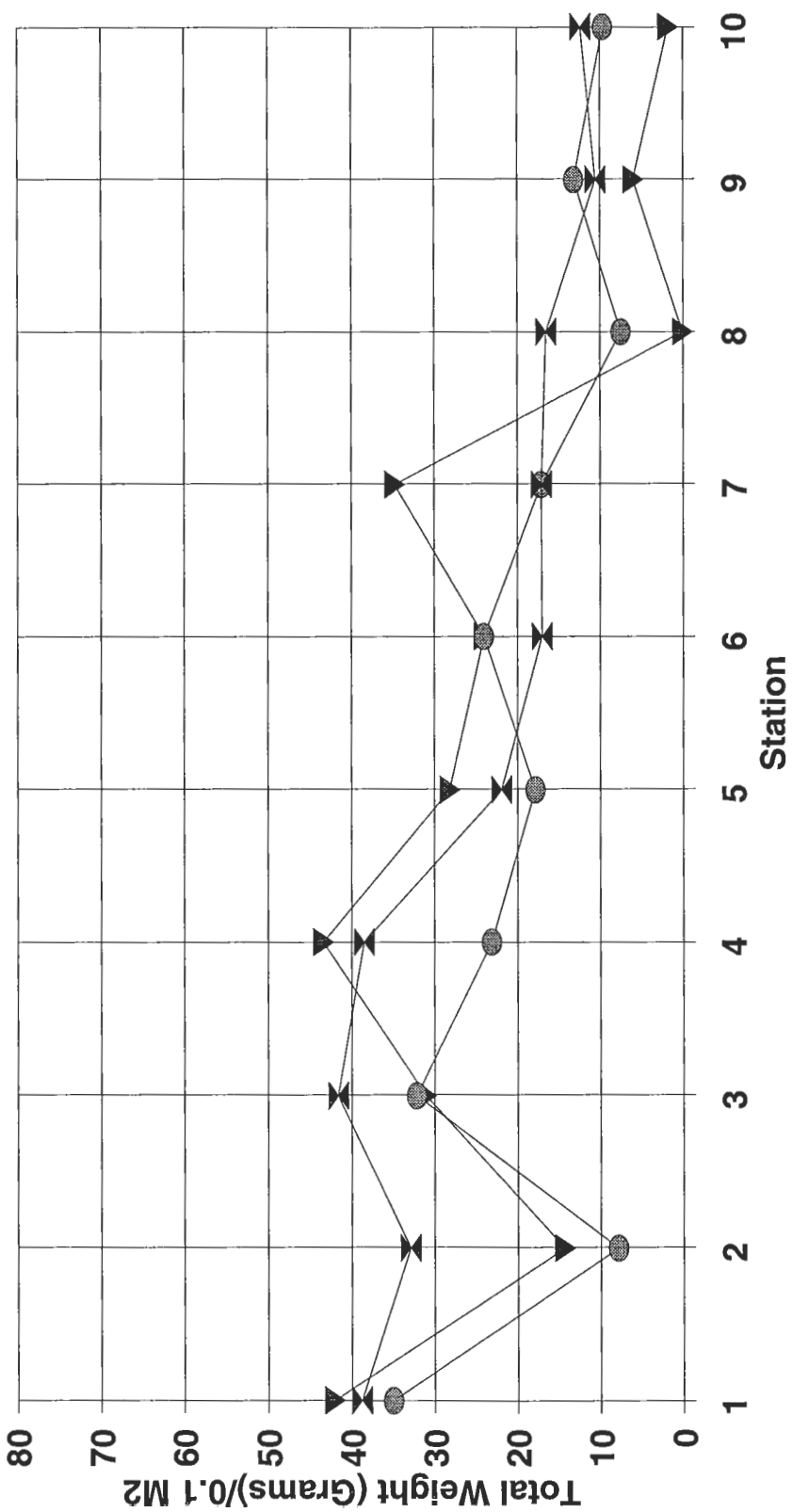
*Appendix A-4*

**Herbicide Plot 8**

# Big Lake Macrophyte Pilot Project 1998 Herbicide Plot 8 By Station



# Big Lake Macrophyte Pilot Project 1998 Herbicide Plot 8 By Station





Big Lake Pilot Program  
 1998 Monitoring Results from Herbicide Plot 8  
 Herbicide  
 Plot 8

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight	Duplicate 'Dried Twice
						Grams	Grams
5/4-6/98	8	1	<i>Potamogeton robbinsii</i>	Robbins pondweed	52	18.17	
5/4-6/98	8	1	<i>Ceratophyllum demersum</i>	coontail	8	22.3	
5/4-6/98	8	1	<i>Elodea canadensis</i>	common waterweed	7	0.58	
5/4-6/98	8	1	<i>Myriophyllum exalbescens</i>	northern water milfoil	3	1.05	
5/4-6/98	8	2	<i>Zosterella dubia</i>	water stargrass	1	0.0128	
5/4-6/98	8	2	<i>Potamogeton robbinsii</i>	Robbins pondweed	3	0.37	
5/4-6/98	8	2	<i>Ceratophyllum demersum</i>	coontail	5	8.7	
5/4-6/98	8	2	<i>Elodea canadensis</i>	common waterweed	20	5.29	
5/4-6/98	8	2	<i>Myriophyllum exalbescens</i>	northern water milfoil	1		
5/4-6/98	8	3	<i>Potamogeton robbinsii</i>	Robbins pondweed	26	4.71	
5/4-6/98	8	3	<i>Ceratophyllum demersum</i>	coontail	16	25.59	
5/4-6/98	8	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	0.73	
5/4-6/98	8	3	<i>Elodea canadensis</i>	common waterweed	2	0.0787	
5/4-6/98	8	4	<i>Elodea canadensis</i>	common waterweed	8	0.97	
5/4-6/98	8	4	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.63	
5/4-6/98	8	4	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	1.06	
5/4-6/98	8	4	<i>Ceratophyllum demersum</i>	coontail	5	10.74	
5/4-6/98	8	4	<i>Ceratophyllum demersum</i>	coontail	16	30.05	
5/4-6/98	8	5	<i>Ceratophyllum demersum</i>	coontail	10	15.34	15
5/4-6/98	8	5	<i>Potamogeton robbinsii</i>	Robbins pondweed	18	4.35	
5/4-6/98	8	5	<i>Elodea canadensis</i>	common waterweed	18	7.71	7.55
5/4-6/98	8	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	0.56	
5/4-6/98	8	5	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.077	
5/4-6/98	8	5	<i>Zosterella dubia</i>	water stargrass	2	0.15	0.1458
5/4-6/98	8	6	<i>Ceratophyllum demersum</i>	coontail	5	15.89	15.48
5/4-6/98	8	6	<i>Elodea canadensis</i>	common waterweed	19	8.05	
5/4-6/98	8	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.11	
5/4-6/98	8	7	<i>Ceratophyllum demersum</i>	coontail	11	23.92	
5/4-6/98	8	7	<i>Elodea canadensis</i>	common waterweed	24	9.85	
5/4-6/98	8	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	0.96	
5/4-6/98	8	7	<i>Zosterella dubia</i>	water stargrass	1	0.0728	

Big Lake Pilot Program  
 1998 Monitoring Results from Control Plot 8  
 Herbicide  
 Plot 8

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate 'Dried Twice Grams
5/4-6/98	8	1	<i>Potamogeton robbinsii</i>	Robbins pondweed	52	18.17	
5/4-6/98	8	1	<i>Ceratophyllum demersum</i>	coontail	8	22.3	
5/4-6/98	8	1	<i>Elodea canadensis</i>	common waterweed	7	0.58	
5/4-6/98	8	1	<i>Myriophyllum exalbasces</i>	northern water milfoil	3	1.05	
5/4-6/98	8	2	<i>Zosterella dubia</i>	water stargrass	1	0.0128	
5/4-6/98	8	2	<i>Potamogeton robbinsii</i>	Robbins pondweed	3	0.37	
5/4-6/98	8	2	<i>Ceratophyllum demersum</i>	coontail	5	8.7	
5/4-6/98	8	2	<i>Elodea canadensis</i>	common waterweed	20	5.29	
5/4-6/98	8	2	<i>Myriophyllum exalbasces</i>	northern water milfoil	1		
5/4-6/98	8	3	<i>Potamogeton robbinsii</i>	Robbins pondweed	26	4.71	
5/4-6/98	8	3	<i>Ceratophyllum demersum</i>	coontail	16	25.59	
5/4-6/98	8	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	0.73	
5/4-6/98	8	3	<i>Elodea canadensis</i>	common waterweed	2	0.0787	
5/4-6/98	8	4	<i>Elodea canadensis</i>	common waterweed	8	0.97	
5/4-6/98	8	4	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.63	
5/4-6/98	8	4	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	1.06	
5/4-6/98	8	4	<i>Ceratophyllum demersum</i>	coontail	5	10.74	
5/4-6/98	8	4	<i>Ceratophyllum demersum</i>	coontail	16	30.05	
5/4-6/98	8	5	<i>Ceratophyllum demersum</i>	coontail	10	15.34	15
5/4-6/98	8	5	<i>Potamogeton robbinsii</i>	Robbins pondweed	18	4.35	7.55
5/4-6/98	8	5	<i>Elodea canadensis</i>	common waterweed	18	7.71	
5/4-6/98	8	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	0.56	
5/4-6/98	8	5	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.077	
5/4-6/98	8	5	<i>Zosterella dubia</i>	water stargrass	2	0.15	0.1458
5/4-6/98	8	6	<i>Ceratophyllum demersum</i>	coontail	5	15.89	15.48
5/4-6/98	8	6	<i>Elodea canadensis</i>	common waterweed	19	8.05	
5/4-6/98	8	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.11	
5/4-6/98	8	7	<i>Ceratophyllum demersum</i>	coontail	11	23.92	
5/4-6/98	8	7	<i>Elodea canadensis</i>	common waterweed	24	9.85	
5/4-6/98	8	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	0.96	
5/4-6/98	8	7	<i>Zosterella dubia</i>	water stargrass	1	0.0728	

Herbicide Plot 8	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	'Dried Twice Grams
	6/24-26/98		8	4 <i>Potamogeton amplifolius</i>	large-leaf pondweed	2	8.46		
	6/24-26/98		8	4 <i>Ceratophyllum demersum</i>	coontail	9	12.82		
	6/24-26/98		8	5 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	2.53	2.46	
	6/24-26/98		8	5 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.23		
	6/24-26/98		8	5 <i>Potamogeton robbinsii</i>	Robbins pondweed	20	15.09		
	6/24-26/98		8	6 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.98	0.96	
	6/24-26/98		8	6 <i>Elodea canadensis</i>	common waterweed	14	1.64		
	6/24-26/98		8	6 <i>Ceratophyllum demersum</i>	coontail	11	14.44		
	6/24-26/98		8	7 <i>Vallisneria americana</i>	wild celery	1	0.15		
	6/24-26/98		8	7 <i>Potamogeton robbinsii</i>	Robbins pondweed	3	0.36		
	6/24-26/98		8	7 <i>Elodea canadensis</i>	common waterweed	9	1.36		
	6/24-26/98		8	7 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	2.76		
	6/24-26/98		8	7 <i>Zosterella dubia</i>	water stargrass	1	0.0164		
	6/24-26/98		8	7 <i>Ceratophyllum demersum</i>	coontail	7	16.09		
	6/24-26/98		8	8 <i>Vallisneria americana</i>	wild celery	5	0.4		
	6/24-26/98		8	8 <i>Ceratophyllum demersum</i>	coontail	1	0.0916		
	6/24-26/98		8	8 <i>Potamogeton amplifolius</i>	large-leaf pondweed	6	4.55		
	6/24-26/98		8	8 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.85		
	6/24-26/98		8	8 <i>Zosterella dubia</i>	water stargrass	49	1.64		
	6/24-26/98		8	9 <i>Ceratophyllum demersum</i>	coontail	3	4.35		
	6/24-26/98		8	9 <i>Potamogeton spp.</i>	narrowleaf pondweed	14	0.27	0.25	
	6/24-26/98		8	9 <i>Myriophyllum exalbescens</i>	northern water milfoil	6	3.42		
	6/24-26/98		8	9 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	12	5.12	5.02	
	6/24-26/98		8	10 <i>Vallisneria americana</i>	wild celery	18	1.86		
	6/24-26/98		8	10 <i>Zosterella dubia</i>	water stargrass	8	0.47		
	6/24-26/98		8	10 <i>Ceratophyllum demersum</i>	coontail	3	4.97		
	6/24-26/98		8	10 <i>Elodea canadensis</i>	common waterweed	1	0.0543		
	6/24-26/98		8	10 <i>Potamogeton amplifolius</i>	large-leaf pondweed	2	1.64		
	6/24-26/98		8	10 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	0.7		
	8/17-20/98		8	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	4		
	8/17-20/98		8	1 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	1		
	8/17-20/98		8	1 <i>Potamogeton robbinsii</i>	Robbins pondweed	33	19.9		

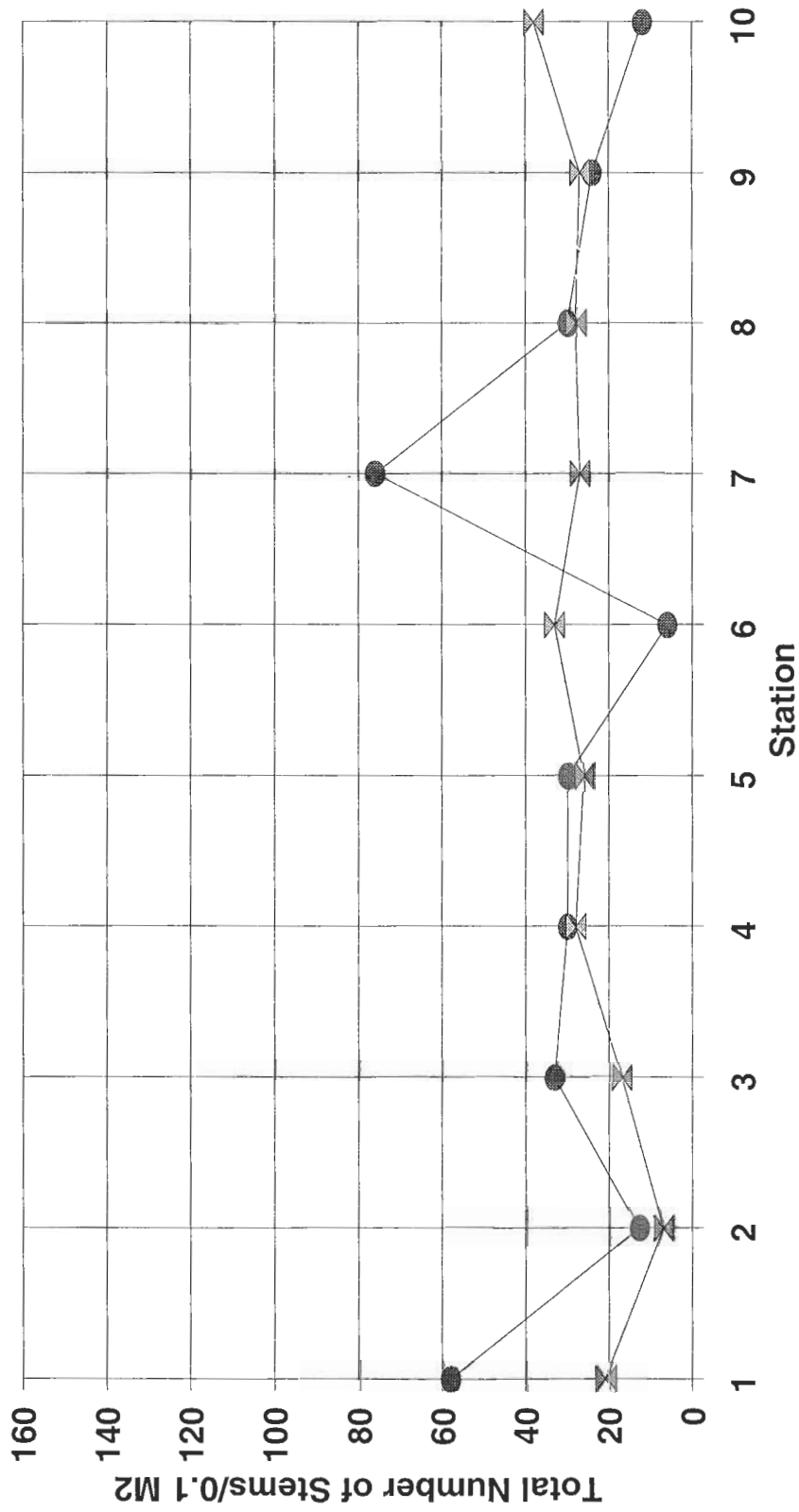
Herbicide	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
Plot 8							
Sample Date	Plot						
8/17-20/98	8	1 <i>Ceratophyllum demersum</i>	coontail	5	13.9		
8/17-20/98	8	2 <i>Zosterella dubia</i>	water stargrass	3	0.3		
8/17-20/98	8	2 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.2		
8/17-20/98	8	2 <i>Myriophyllum exalbescens</i>	northern water milfoil	1	0.0487		
8/17-20/98	8	2 <i>Ceratophyllum demersum</i>	coontail	10	2.6		
8/17-20/98	8	2 <i>Nymphaea odorata</i>	white water lily	2	26.3		
8/17-20/98	8	2 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	0.7		
8/17-20/98	8	2 <i>Elodea canadensis</i>	common waterweed	18	2.8		
8/17-20/98	8	3 <i>Ceratophyllum demersum</i>	coontail	19	34.8		
8/17-20/98	8	3 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	10	2.3		
8/17-20/98	8	3 <i>Elodea canadensis</i>	common waterweed	16	4.5		
8/17-20/98	8	4 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	11	18.9		
8/17-20/98	8	4 <i>Ceratophyllum demersum</i>	coontail	11	19.2		
8/17-20/98	8	4 <i>Elodea canadensis</i>	common waterweed	5	0.3		
8/17-20/98	8	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.1		
8/17-20/98	8	5 <i>Ceratophyllum demersum</i>	coontail	11	7		
8/17-20/98	8	5 <i>Potamogeton robbinsii</i>	Robbins pondweed	36	21.9		
8/17-20/98	8	5 <i>Elodea canadensis</i>	common waterweed	1	0.0129		
8/17-20/98	8	6 <i>Elodea canadensis</i>	common waterweed	7	1.4		
8/17-20/98	8	6 <i>Ceratophyllum demersum</i>	coontail	16	35.4		
8/17-20/98	8	7 <i>Elodea canadensis</i>	common waterweed	5	2.3		
8/17-20/98	8	7 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.5		
8/17-20/98	8	7 <i>Ceratophyllum demersum</i>	coontail	3	1.9		
8/17-20/98	8	7 <i>Vallisneria americana</i>	wild celery	11	12.4		
8/17-20/98	8	8 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.7		
8/17-20/98	8	8 <i>Ceratophyllum demersum</i>	coontail	1	0.1		
8/17-20/98	8	8 <i>Zosterella dubia</i>	water stargrass	37	7.4		
8/17-20/98	8	8 <i>Vallisneria americana</i>	wild celery	24	8		
8/17-20/98	8	8 <i>Elodea canadensis</i>	common waterweed	2	0.3		
8/17-20/98	8	9 <i>Myriophyllum exalbescens</i>	northern water milfoil	3	0.5		
8/17-20/98	8	9 <i>Vallisneria americana</i>	wild celery	14	5.3		
8/17-20/98	8	9 <i>Potamogeton robbinsii</i>	Robbins pondweed	4	1.2		
8/17-20/98	8	9 <i>Ceratophyllum demersum</i>	coontail	5	2.7		
8/17-20/98	8	9 <i>Elodea canadensis</i>	common waterweed	4	0.9		
8/17-20/98	8	10 <i>Ceratophyllum demersum</i>	coontail	2	2.7		

Herbicide Plot 8	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
	8/17-20/98		8	10 <i>Lemna trisulca</i>	star duckweed	19	1.6		
	8/17-20/98		8	10 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.5		
	8/17-20/98		8	10 <i>Zosterella dubia</i>	water stargrass	10	1.3		
	8/17-20/98		8	10 <i>Vallisneria americana</i>	wild celery	41	6.3		

*Appendix B-4*

**Herbicide Plot 8**

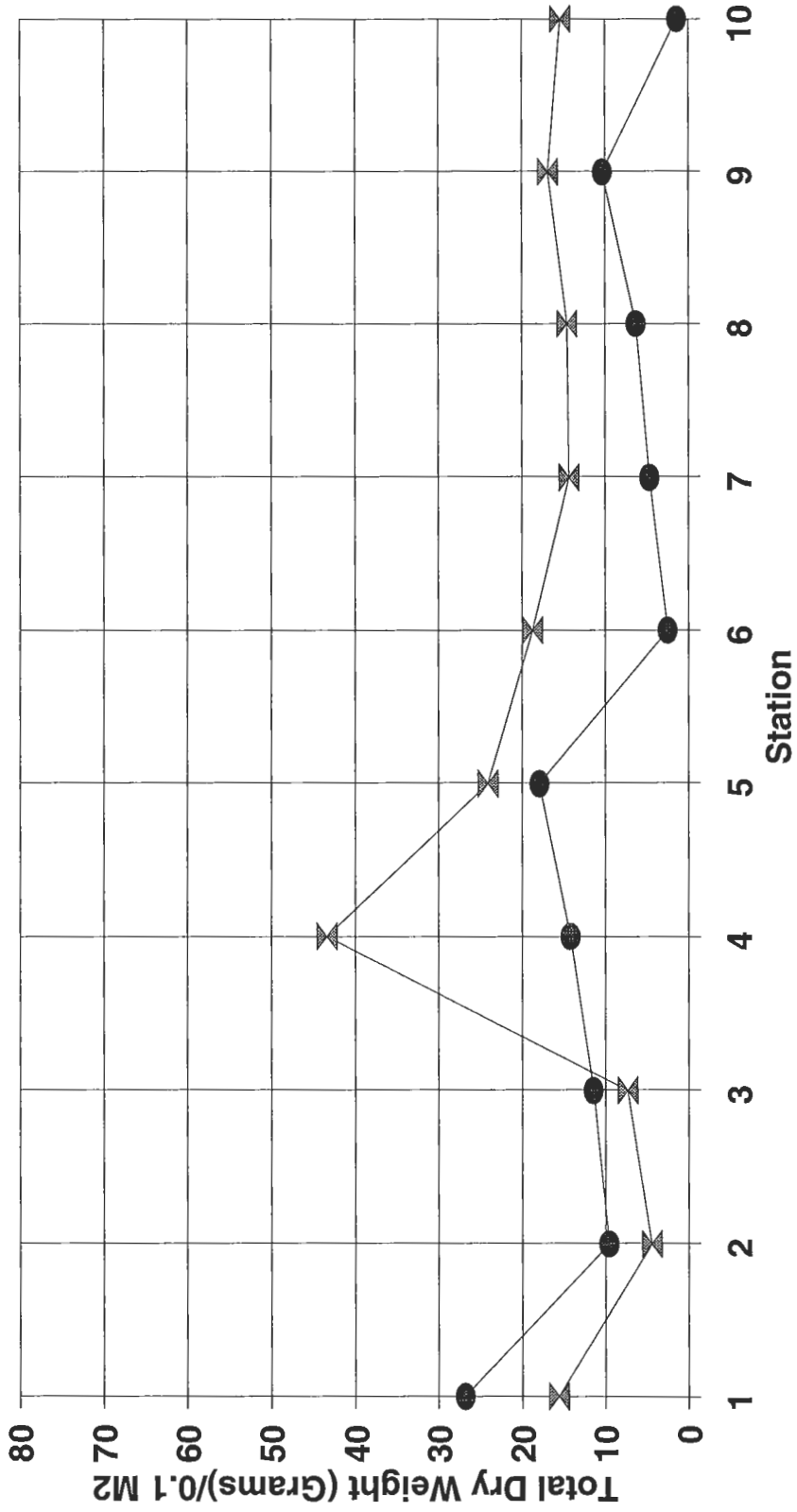
# Big Lake Macrophyte Pilot Project 1999 Herbicide Plot 8 By Station



● 6/22-25/99    X 8/24-27/99

# Big Lake Macrophyte Pilot Project

## 1999 Herbicide Plot 8 By Station





Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Herbicide Plot 8  
 Herbicide  
 Plot 8

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 22 - 25	8	1	Ceratophyllum demersum	Coontail	24	18.99		18.98	
June 22 - 25	8	1	Potamogeton robbinsii	Robbin's Pondweed	21	7.0		7.0	
June 22 - 25	8	1	Elodea canadensis	Canada Waterweed	13	0.8328		0.8332	
June 22 - 25	8	2	Ceratophyllum demersum	Coontail	11	6.76		6.78	
June 22 - 25	8	2	Nymphaea tuberosa	White Waterlily	2	2.88		2.89	
June 22 - 25	8	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	22	5.8		5.83	
June 22 - 25	8	3	Potamogeton robbinsii	Robbin's Pondweed	4	1.06		1.07	
June 22 - 25	8	3	Ceratophyllum demersum	Coontail	7	4.63		4.6	
June 22 - 25	8	4	Ceratophyllum demersum	Coontail	6	2.06			
June 22 - 25	8	4	Potamogeton robbinsii	Robbin's Pondweed	24	12.14			
June 22 - 25	8	5	Ceratophyllum demersum	Coontail	10	7.99			
June 22 - 25	8	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	7	3.53			
June 22 - 25	8	5	Potamogeton robbinsii	Robbin's Pondweed	13	6.42			
June 22 - 25	8	6	Ceratophyllum demersum	Coontail	3	2.06			
June 22 - 25	8	6	Zosterella dubia	Mud Plaintain	1	0.3641			
June 22 - 25	8	6	Vallisneria Americana	Wild Celery	2	0.1624			
June 22 - 25	8	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	69	2.94			
June 22 - 25	8	7	Potamogeton robbinsii	Robbin's Pondweed	7	1.75			
June 22 - 25	8	8	Vallisneria Americana	Wild Celery	24	4.29			
June 22 - 25	8	8	Sagittaria sp	Arrowhead	3	0.15			
June 22 - 25	8	8	Potamogeton amphifolis	Large-leaf Pondweed	3	1.89			
June 22 - 25	8	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	15	5.67			
June 22 - 25	8	9	Vallisneria Americana	Wild Celery	2	0.1759			
June 22 - 25	8	9	Potamogeton robbinsii	Robbin's Pondweed	6	3.68			
June 22 - 25	8	9	Ceratophyllum demersum	Coontail	1	0.8503			
June 22 - 25	8	10	Potamogeton spp	Narrowleaf	1	0.03			
June 22 - 25	8	10	Potamogeton amphifolis	Large-leaf Pondweed	1	0.55			
June 22 - 25	8	10	Vallisneria Americana	Wild Celery	10	0.86			
Aug 24-27	8	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	8	4.59	4.60		
Aug 24-27	8	1	Ceratophyllum demersum	Coontail	13	11.08			
Aug 24-27	8	2	Ceratophyllum demersum	Coontail	7	4.52			

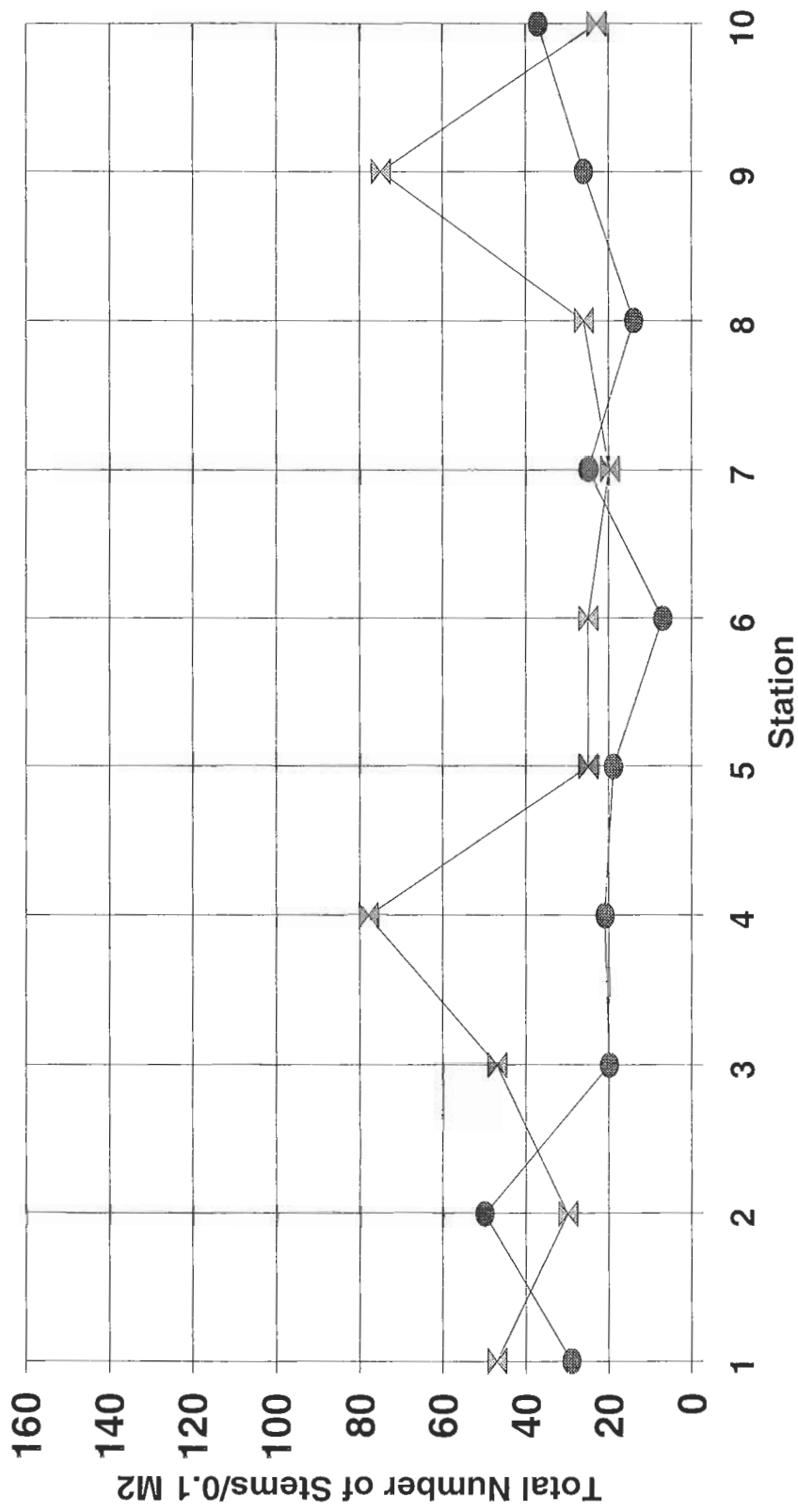
Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Herbicide Plot 8  
 Herbicide  
 Plot 8

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
Aug 24-27	8	3	Potamogeton zosteriformis	Flatstem Pondweed	17	7.39			
Aug 24-27	8	4	Ceratophyllum demersum	Coontail	17	8.89			
Aug 24-27	8	4	Potamogeton robbinsii	Robbin's Pondweed	50+	17.24			
Aug 24-27	8	4	Potamogeton richardsonii	Claspingleaf Pondweed	1	0.7617			
Aug 24-27	8	4	Ceratophyllum demersum	Coontail	10	16.52			
Aug 24-27	8	5	Potamogeton gramineus	Coontail	1	0.3301			
Aug 24-27	8	5	Elodea canadensis	Canada Waterweed	1	0.0088			
Aug 24-27	8	5	Potamogeton robbinsii	Robbin's Pondweed	11	5.84			
Aug 24-27	8	5	Ceratophyllum demersum	Coontail	13	17.89			
Aug 24-27	8	6	Ceratophyllum demersum	Coontail	15	7.36			
Aug 24-27	8	6	Vallisneria Americana	Wild Celery	18	11.40			
Aug 24-27	8	7	Potamogeton robbinsii	Robbin's Pondweed	4	1.01	1.00		
Aug 24-27	8	7	Ceratophyllum demersum	Coontail	13	8.18			
Aug 24-27	8	7	Vallisneria Americana	Wild Celery	10	5.20	5.17		
Aug 24-27	8	8	Potamogeton amphifolis	Large-leaf Pondweed	5	1.64			
Aug 24-27	8	8	Ceratophyllum demersum	Coontail	2	1.72			
Aug 24-27	8	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	3	1.57			
Aug 24-27	8	8	Vallisneria Americana	Wild Celery	18	9.64			
Aug 24-27	8	9	Ceratophyllum demersum	Coontail	9	11.67			
Aug 24-27	8	9	Vallisneria Americana	Wild Celery	6	1.68			
Aug 24-27	8	9	Potamogeton robbinsii	Robbin's Pondweed	12	3.53			
Aug 24-27	8	10	Potamogeton zosteriformis	Flat-stemmed Pondweed	9	3.52			
Aug 24-27	8	10	Vallisneria Americana	Wild Celery	29	11.92	11.90		

*Appendix B-5*

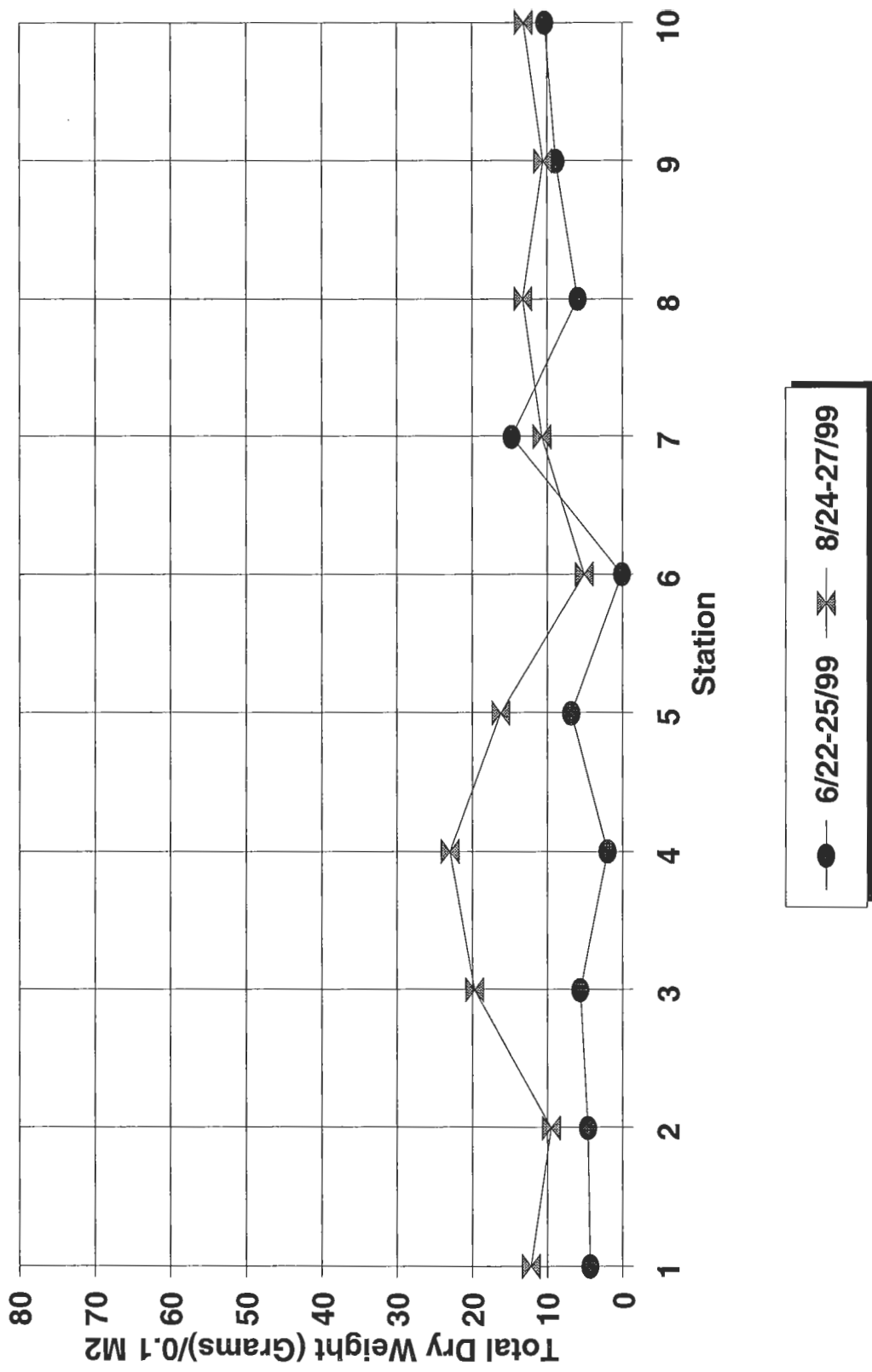
**Harvesting Plot 3**

# Big Lake Macrophyte Pilot Project 1999 Harvesting Plot 3 By Station



6/22-25/99    8/24-27/99

# Big Lake Macrophyte Pilot Project 1999 Harvesting Plot 3 By Station



Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Harvesting Plot 3  
 Harvesting  
 Plot 3

Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 22 - 25	3	1	Elodea canadensis	Canada Waterweed	1	0.0483		0.0491	
June 22 - 25	3	1	Potamogeton richardsonii	Claspingleaf Pondweed	3	1.2		1.21	
June 22 - 25	3	1	Potamogeton amplifolius	Large-leaf Pondweed	1	1.03		1.02	
June 22 - 25	3	1	Sagittaria sp	Arrowhead	3	0.2239		0.22	
June 22 - 25	3	1	Vallisneria americana	Wild Celery	21	1.86		1.84	
June 22 - 25	3	2	Vallisneria americana	Wild Celery	47	4.62		4.55	
June 22 - 25	3	2	Potamogeton amplifolius	Large-leaf Pondweed	3	0.9672		0.9237	
June 22 - 25	3	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	9	2.38		2.35	
June 22 - 25	3	3	Zosterella dubia	Mud Plaintain	3	0.0935		0.0958	
June 22 - 25	3	3	Potamogeton robbinsii	Robbin's Pondweed	3	0.7653		0.7149	
June 22 - 25	3	3	Elodea canadensis	Canada Waterweed	3	0.3073			
June 22 - 25	3	3	Vallisneria americana	Wild Celery	1	0.1104			
June 22 - 25	3	3	Ceratophyllum demersum	Coontail	1	2.0			
June 22 - 25	3	4	Zosterella dubia	Mud Plaintain	6	0.107			
June 22 - 25	3	4	Potamogeton illinoensis	Illinois Pondweed	3	0.7531			
June 22 - 25	3	4	Vallisneria americana	Wild Celery	11	0.7185			
June 22 - 25	3	4	Ceratophyllum demersum	Coontail	1	0.4924			
June 22 - 25	3	5	Potamogeton robbinsii	Robbin's Pondweed	10	4.22			
June 22 - 25	3	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	9	2.65			
June 22 - 25	3	6	Vallisneria americana	Wild Celery	7	0.1296			
June 22 - 25	3	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	19	10.57			
June 22 - 25	3	7	Ceratophyllum demersum	Coontail	6	4.17			
June 22 - 25	3	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	10	5.23			
June 22 - 25	3	8	Potamogeton robbinsii	Robbin's Pondweed	3	0.6803			
June 22 - 25	3	8	Myriophyllum Exalbesceus	Northern Watermilfoil	1	0.0575			
June 22 - 25	3	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	19	7.3			
June 22 - 25	3	9	Vallisneria americana	Wild Celery	3	0.3766			
June 22 - 25	3	9	Potamogeton richardsonii	Claspingleaf Pondweed	4	1.17			
June 22 - 25	3	10	Potamogeton zosteriformis	Flat-stemmed Pondweed	9	3.43			
June 22 - 25	3	10	Potamogeton robbinsii	Robbin's Pondweed	16	5.46			
June 22 - 25	3	10	Elodea canadensis	Canada Waterweed	3	0.1724			

Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Harvesting Plot 3  
 Harvesting  
 Plot 3

Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 22 - 25	3	10	Vallisneria americana	Wild Celery	8	1.16			
June 22 - 25	3	10	Potamogeton richardsonii	Claspingleaf Pondweed	1	0.1336			
Aug 24-27	3	1	Vallisneria americana	Wild Celery	41	8.17			
Aug 24-27	3	1	Potamogeton amplifolius	Large-leaf Pondweed	6	4.03			
Aug 24-27	3	2	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.1732			
Aug 24-27	3	2	Vallisneria americana	Wild Celery	25	7.89			
Aug 24-27	3	2	Potamogeton amplifolius	Large-leaf Pondweed	4	1.5			
Aug 24-27	3	3	Vallisneria americana	Wild Celery	11	3.61			
Aug 24-27	3	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	3	0.5137			
Aug 24-27	3	3	Potamogeton robbinsii	Robbin's Pondweed	17	9.05	9.04		
Aug 24-27	3	3	Elodea canadensis	Canada Waterweed	7	0.5943			
Aug 24-27	3	3	Potamogeton richardsonii	Claspingleaf Pondweed	7	4.35			
Aug 24-27	3	3	Ceratophyllum demersum	Coontail	2	1.62			
Aug 24-27	3	4	Vallisneria americana	Wild Celery	70+	17.76			
Aug 24-27	3	4	Potamogeton amplifolius	Large-leaf Pondweed	7	5.08			
Aug 24-27	3	4	Elodea canadensis	Canada Waterweed	1	0.1219			
Aug 24-27	3	5	Potamogeton richardsonii	Claspingleaf Pondweed	2	0.6407			
Aug 24-27	3	5	Vallisneria americana	Wild Celery	5	4.37			
Aug 24-27	3	5	Ceratophyllum demersum	Coontail	6	6.10			
Aug 24-27	3	5	Potamogeton robbinsii	Robbin's Pondweed	8	3.04			
Aug 24-27	3	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	4	2.10			
Aug 24-27	3	6	Zosterella dubia	Mud Plaintain	6	0.5253			
Aug 24-27	3	6	Potamogeton crispus	Curlyleaf Pondweed	1	0.0324	0.0315		
Aug 24-27	3	6	Najas flexilis	Bushy Naid	7	0.3295			
Aug 24-27	3	6	Ceratophyllum demersum	Coontail	1	1.84			
Aug 24-27	3	6	Bidens spp.		1	0.1021			
Aug 24-27	3	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	7	1.81			
Aug 24-27	3	6	Potamogeton robbinsii	Robbin's Pondweed	2	0.5104			
Aug 24-27	3	7	Ceratophyllum demersum	Coontail	6	3.85			
Aug 24-27	3	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	14	6.88			
Aug 24-27	3	8	Potamogeton richardsonii	Claspingleaf Pondweed	1	0.5641			
Aug 24-27	3	8	Vallisneria americana	Wild Celery	4	1.38			
Aug 24-27	3	8	Ceratophyllum demersum	Coontail	5	3.73			
Aug 24-27	3	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	16	7.58			
Aug 24-27	3	9	Vallisneria americana	Wild Celery	9	3.84			
Aug 24-27	3	9	Potamogeton richardsonii	Claspingleaf Pondweed	56	4.13			

Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Harvesting Plot 3

Harvesting

Plot 3

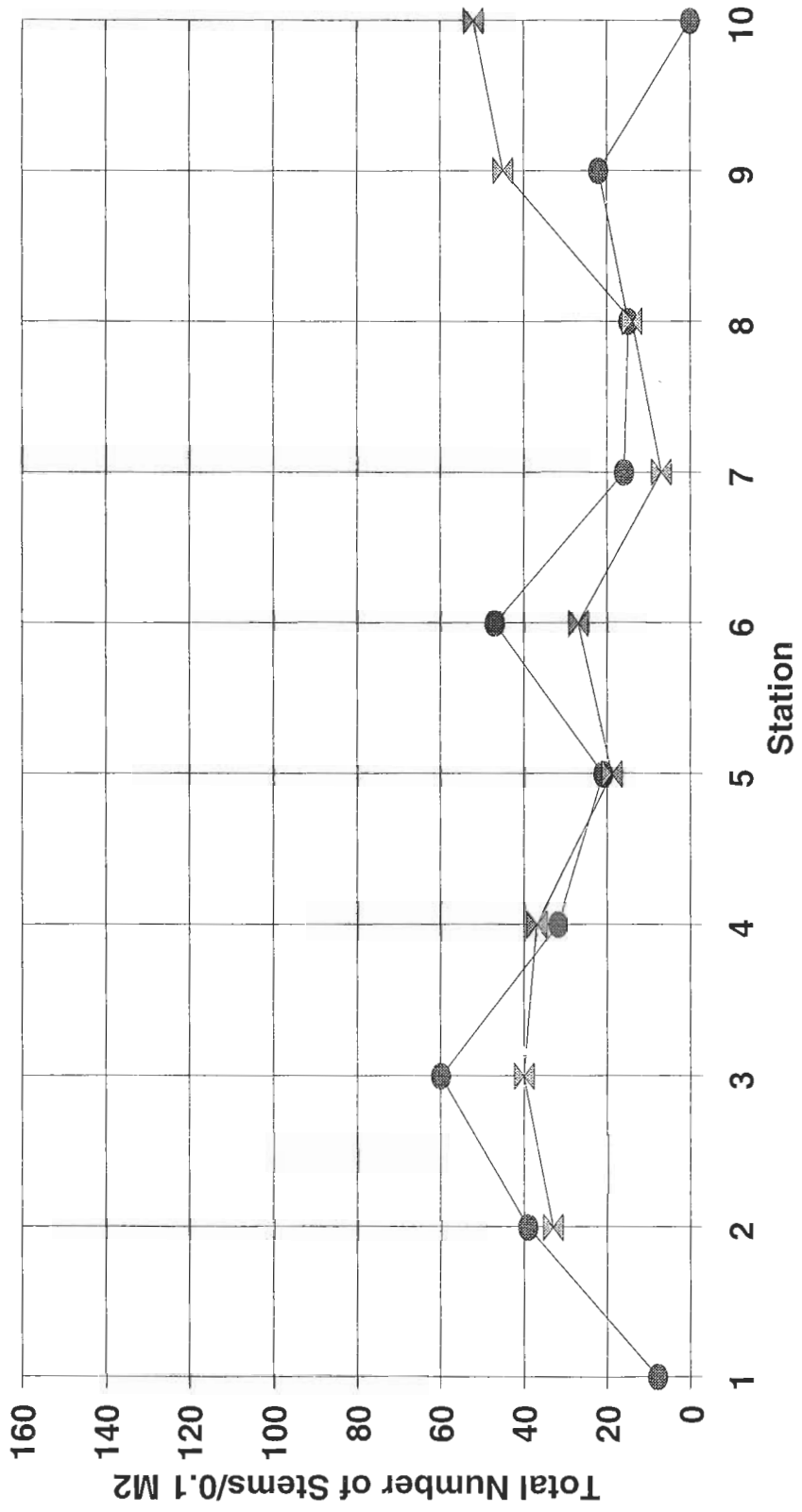
Aug 24-27	3	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	3	0.7665
Aug 24-27	3	9	Potamogeton robbinsii	Robbin's Pondweed	7	1.83
Aug 24-27	3	10	Potamogeton richardsonii	Claspingleaf Pondweed	2	0.5404
Aug 24-27	3	10	Ceratophyllum demersum	Coontail	1	1.04
Aug 24-27	3	10	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	2.33
Aug 24-27	3	10	Potamogeton robbinsii	Robbin's Pondweed	4	1.67
Aug 24-27	3	10	Vallisneria americana	Wild Celery	11	7.62



*Appendix B-6*

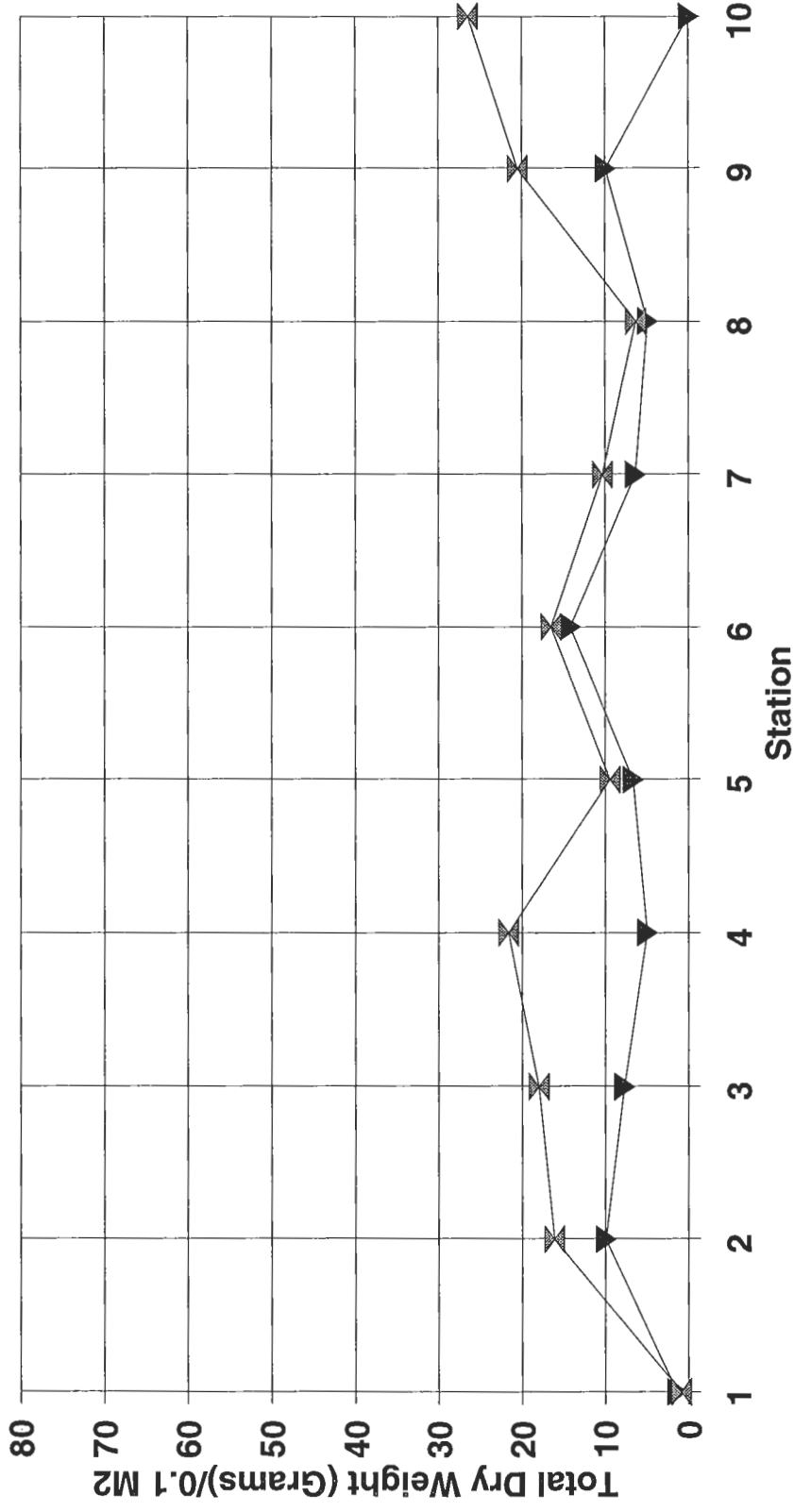
**Harvesting Plot 7**

# Big Lake Macrophyte Pilot Project 1999 Harvesting Plot 7 By Station



6/22-25/99    8/24-27/99

# Big Lake Macrophyte Pilot Project 1999 Harvesting Plot 7 By Station



▲ 6/22-25/99    ✕ 8/24-27/99

Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Harvesting Plot 7  
 Harvesting  
 Plot 7

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams
June 22 - 25	7	1	Ranunculus ssp.	White Water Buttercup	7	1.25		
June 22 - 25	7	1	Ceratophyllum demersum	Coontail	1	0.2244		
June 22 - 25	7	2	Ceratophyllum demersum	Coontail	7	5.07		
June 22 - 25	7	2	Potamogeton amphibium	Water Smartweed	1	0.6388		
June 22 - 25	7	2	Potamogeton zosteriformis	Flat-stemmed Pondweed	10	1.93		
June 22 - 25	7	2	Elodea canadensis	Canada Waterweed	7	0.7284		
June 22 - 25	7	2	Vallisneria americana	Wild Celery	13	1.4		
June 22 - 25	7	2	Sagittaria graminea	Slender Arrowhead	1	0.1933		
June 22 - 25	7	3	Potamogeton amphibium	Water Smartweed	13	7.86		
June 22 - 25	7	3	Ceratophyllum demersum	Coontail	1	0.1308		
June 22 - 25	7	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	12	2.23		
June 22 - 25	7	3	Elodea canadensis	Canada Waterweed	1	0.1246		
June 22 - 25	7	3	Potamogeton crispus	Curlyleaf Pondweed	10	1.43		
June 22 - 25	7	3	Vallisneria americana	Wild Celery	23	2.13		
June 22 - 25	7	4	Vallisneria americana	Wild Celery	24	1.72		
June 22 - 25	7	4	Potamogeton crispus	Curlyleaf Pondweed	3	0.65		0.664
June 22 - 25	7	4	Potamogeton amphibium	Water Smartweed	5	2.64		
June 22 - 25	7	5	Ceratophyllum demersum	Coontail	2	1.52		
June 22 - 25	7	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	19	5.21		
June 22 - 25	7	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	37	12.53		
June 22 - 25	7	6	Potamogeton crispus	Curlyleaf Pondweed	1	0.1822		
June 22 - 25	7	6	Elodea canadensis	Canada Waterweed	4	0.5004		
June 22 - 25	7	6	Ceratophyllum demersum	Coontail	1	0.0875		
June 22 - 25	7	6	Vallisneria americana	Wild Celery	4	0.9297		
June 22 - 25	7	7	Ceratophyllum demersum	Coontail	4	3.12		
June 22 - 25	7	7	Potamogeton crispus	Curlyleaf Pondweed	1	0.1458		
June 22 - 25	7	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	11	3.17		
June 22 - 25	7	8	Potamogeton richardsonii	Claspingleaf Pondweed	5	3.17		
June 22 - 25	7	8	1 Turion Potamogeton crispus		0	0.045		
June 22 - 25	7	8	Ceratophyllum demersum	Coontail	1	0.1937		
June 22 - 25	7	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	1.29		

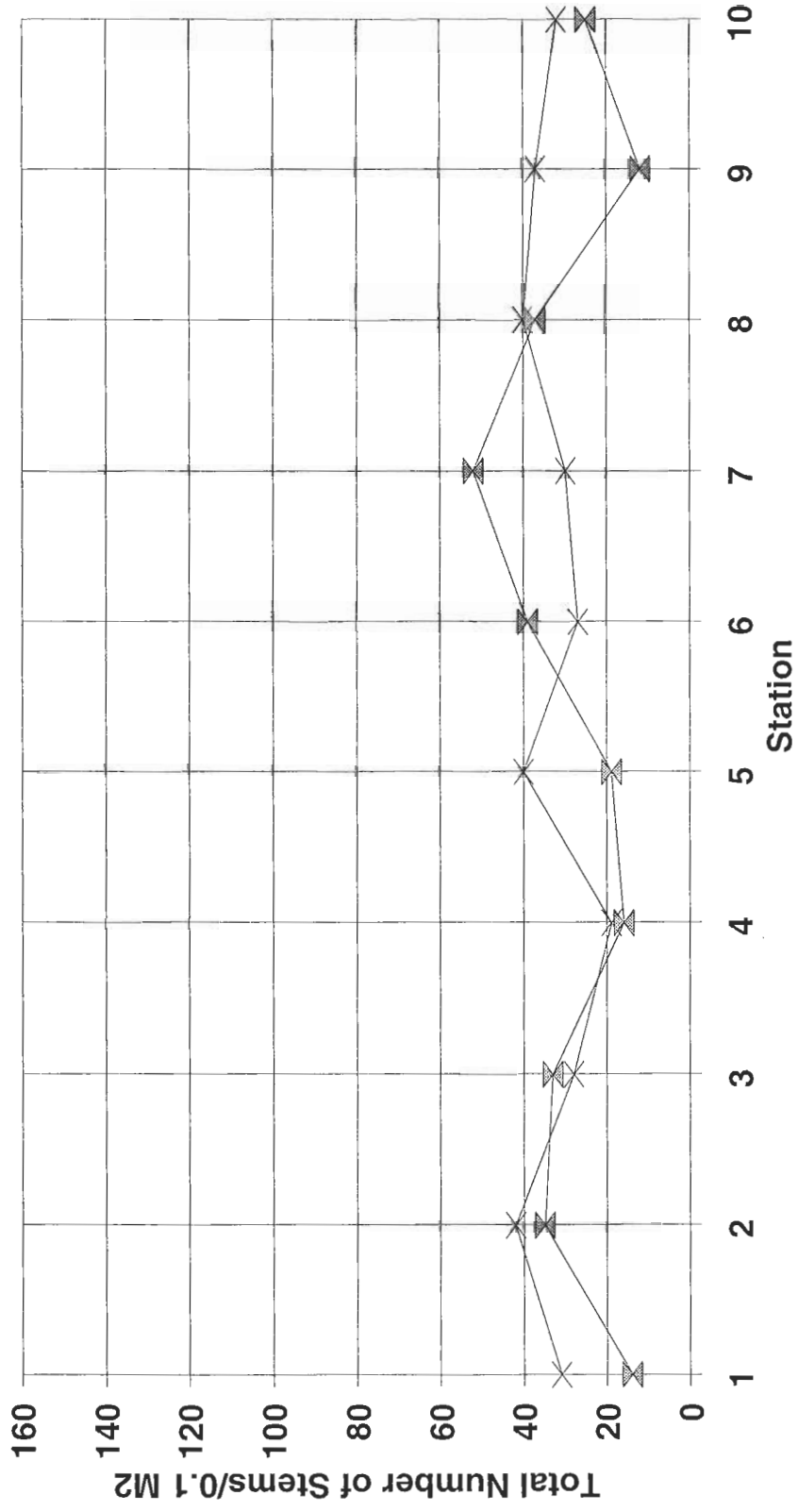
Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Harvesting Plot 7  
 Harvesting  
 Plot 7

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams
June 22 - 25	7	8	Potamogeton spp	Narrowleaf	4	0.2315		
June 22 - 25	7	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	14	6.74		6.77
June 22 - 25	7	9	Potamogeton robbinsii	Robbin's Pondweed	8	3.22		3.22
Aug 24-27	7	1	Eleocharis spp.	Spike Rush	To many	0.9154		
Aug 24-27	7	2	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	1.24		
Aug 24-27	7	2	Potamogeton amplifolius	Large-leaf Pondweed	9	6.21		
Aug 24-27	7	2	Ceratophyllum demersum	Coontail	2	1.31		
Aug 24-27	7	2	Zosterella dubia	Mud Plaintain	2	0.0817		
Aug 24-27	7	2	Elodea canadensis	Canada Waterweed	9	1.68		
Aug 24-27	7	2	Myriophyllum Exalbesceus	Northern Watermilfoil	2	1.44		
Aug 24-27	7	2	Vallisneria americana	Wild Celery	8	4.22		
Aug 24-27	7	3	Potamogeton amplifolius	Large-leaf Pondweed	17	8.28		
Aug 24-27	7	3	Ceratophyllum demersum	Coontail	1	0.5914		
Aug 24-27	7	3	Vallisneria americana	Wild Celery	22	9.13		
Aug 24-27	7	4	Potamogeton amplifolius	Large-leaf Pondweed	13	10.56		
Aug 24-27	7	4	Ceratophyllum demersum	Coontail	2	2.03		
Aug 24-27	7	4	Vallisneria americana	Wild Celery	22	9.05		
Aug 24-27	7	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	3	2.92		
Aug 24-27	7	5	Vallisneria americana	Wild Celery	16	6.57		
Aug 24-27	7	6	Utricularia Spp.		6	4.43		
Aug 24-27	7	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.8056		
Aug 24-27	7	6	Potamogeton amplifolius	Large-leaf Pondweed	1	0.4655		
Aug 24-27	7	6	Ceratophyllum demersum	Coontail	2	1.71		
Aug 24-27	7	6	Vallisneria americana	Wild Celery	17	9.09		
Aug 24-27	7	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	5.38		
Aug 24-27	7	7	Ceratophyllum demersum	Coontail	2	4.96		
Aug 24-27	7	8	Ceratophyllum demersum	Coontail	3	0.4703		
Aug 24-27	7	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	3	1.8		
Aug 24-27	7	8	Potamogeton richardsonii	Claspingleaf Pondweed	4	2.11		
Aug 24-27	7	8	Vallisneria americana	Wild Celery	4	1.98		
Aug 24-27	7	9	Potamogeton robbinsii	Robbin's Pondweed	42	17.88		
Aug 24-27	7	9	Potamogeton richardsonii	Claspingleaf Pondweed	3	2.63		
Aug 24-27	7	10	Ceratophyllum demersum	Coontail	1	0.9242		
Aug 24-27	7	10	Potamogeton amplifolius	Large-leaf Pondweed	1	0.1335		
Aug 24-27	7	10	Utricularia Spp.		2	0.8702		
Aug 24-27	7	10	Vallisneria americana	Wild Celery	48	24.58		

*Appendix B-7*

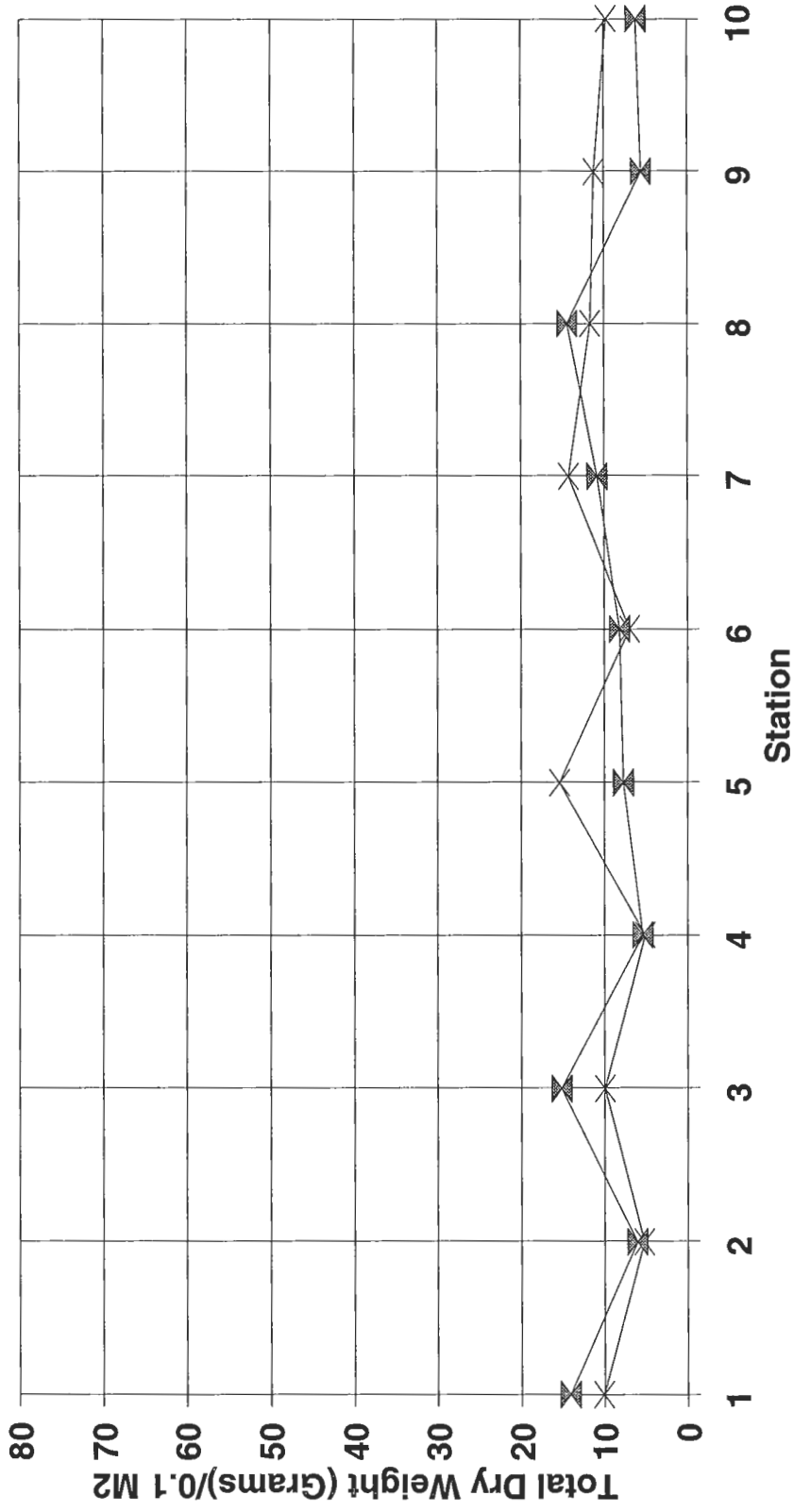
**Lime Slurry Plot 1**

# Big Lake Macrophyte Pilot Project 1999 Lime Slurry Plot 1 By Station



7/27-29/99    8/24-27/99

# Big Lake Macrophyte Pilot Project 1999 Lime Slurry Plot 1 By Station



—x— 7/27-29/99 —X— 8/24-27/99



Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Lime Slurry Plot 1  
 Lime Slurry  
 Plot 1

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 27-29	1	1	Vallisneria americana	Wild Celery	9	2.24			
July 27-29	1	1	Myriophyllum exalbescens	Northern Watermilfoil	5	3.78			
July 27-29	1	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	9	1.89			
July 27-29	1	1	Potamogeton robbinsii	Robbin's Pondweed	7	1.24			
July 27-29	1	1	Ceratophyllum demersum	Coontail	1	0.9919			
July 27-29	1	2	Potamogeton amplifolius	Large-leaf Pondweed	3	0.7899			
July 27-29	1	2	Vallisneria americana	Wild Celery	39	4.52			
July 27-29	1	3	Potamogeton richardsonii	Claspingleaf Pondweed	4	1.57			
July 27-29	1	3	Potamogeton amplifolius	Large-leaf Pondweed	1	1.21			
July 27-29	1	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	15	4.50			
July 27-29	1	3	Ceratophyllum demersum	Coontail	4	2.34			
July 27-29	1	3	Vallisneria americana	Wild Celery	1	0.1864			
July 27-29	1	3	Elodea canadensis	Canada Waterweed	3	0.1788			
July 27-29	1	4	Potamogeton amplifolius	Large-leaf Pondweed	7	4.22			
July 27-29	1	4	Elodea canadensis	Canada Waterweed	1	0.1856			
July 27-29	1	4	Vallisneria americana	Wild Celery	2	0.2249			
July 27-29	1	4	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.2135			
July 27-29	1	4	Zosterella dubia	Mud Plaintain	8	0.3161			
July 27-29	1	5	Elodea canadensis	Canada Waterweed	3	0.3788			
July 27-29	1	5	Vallisneria americana	Wild Celery	1	0.0431			
July 27-29	1	5	Potamogeton richardsonii	Claspingleaf Pondweed	10	5.90			
July 27-29	1	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	26	9.11			9.07
July 27-29	1	6	Potamogeton amplifolius	Large-leaf Pondweed	7	2.90			2.91
July 27-29	1	6	Vallisneria americana	Wild Celery	18	1.51			
July 27-29	1	6	Potamogeton zosteriformis	Claspingleaf Pondweed	1	0.2401			
July 27-29	1	6	Ceratophyllum demersum	Coontail	1	0.3481			
July 27-29	1	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	6	4.89			
July 27-29	1	7	Potamogeton robbinsii	Robbin's Pondweed	5	1.00			
July 27-29	1	7	Potamogeton richardsonii	Claspingleaf Pondweed	6	4.15			
July 27-29	1	7	Vallisneria americana	Wild Celery	11	3.91			

Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Lime Slurry Plot 1  
 Lime Slurry  
 Plot 1

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 27-29	1	7	Myriophyllum exalbescens	Northern Watermilfoil	1	0.1231			
July 27-29	1	7	Ceratophyllum demersum	Coontail	1	0.192			
July 27-29	1	8	Ceratophyllum demersum	Coontail	3	0.8965			
July 27-29	1	8	Myriophyllum exalbescens	Northern Watermilfoil	1	0.2031			
July 27-29	1	8	Potamogeton amplifolius	Large-leaf Pondweed	4	1.61			
July 27-29	1	8	Vallisneria americana	Wild Celery	15	2.78			4.77
July 27-29	1	8	Potamogeton zosteriformis	Claspingleaf Pondweed	14	4.78			
July 27-29	1	8	Potamogeton robbinsii	Robbin's Pondweed	3	1.14			
July 27-29	1	8	Elodea canadensis	Canada Waterweed	3	0.2588			
July 27-29	1	9	Vallisneria americana	Wild Celery	9	1.80			
July 27-29	1	9	Potamogeton zosteriformis	Claspingleaf Pondweed	20	6.11			6.03
July 27-29	1	9	Potamogeton amplifolius	Large-leaf Pondweed	5	2.31			2.27
July 27-29	1	9	Potamogeton richardsonii	Claspingleaf Pondweed	3	1.04			
July 27-29	1	10	Potamogeton spp	Narrowleaf	5	0.3899			
July 27-29	1	10	Potamogeton amplifolius	Large-leaf Pondweed	9	5.59			
July 27-29	1	10	Vallisneria americana	Wild Celery	18	3.81			
Aug 24-27	1	1	Myriophyllum exalbescens	Northern Watermilfoil	3	1.23			
Aug 24-27	1	1	Potamogeton richardsonii	Claspingleaf Pondweed	4	3.30			
Aug 24-27	1	1	Vallisneria americana	Wild Celery	4	7.20			
Aug 24-27	1	1	Potamogeton robbinsii	Robbin's Pondweed	3	2.44			
Aug 24-27	1	2	Vallisneria americana	Wild Celery	34	5.51			
Aug 24-27	1	2	Potamogeton amplifolius	Large-leaf Pondweed	1	0.6317			
Aug 24-27	1	3	Potamogeton amplifolius	Large-leaf Pondweed	3	2.88			
Aug 24-27	1	3	Vallisneria americana	Wild Celery	17	5.84			
Aug 24-27	1	3	Myriophyllum exalbescens	Northern Watermilfoil	3	0.8263			
Aug 24-27	1	3	Potamogeton richardsonii	Claspingleaf Pondweed	3	1.68			
Aug 24-27	1	3	Elodea canadensis	Canada Waterweed	1	0.0109			
Aug 24-27	1	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	3.65			
Aug 24-27	1	3	Ceratophyllum demersum	Coontail	1	0.2761			
Aug 24-27	1	4	Potamogeton amplifolius	Large-leaf Pondweed	7	4.08			
Aug 24-27	1	4	Vallisneria americana	Wild Celery	5	0.9405			
Aug 24-27	1	4	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.1162			
Aug 24-27	1	4	Zosterella dubia	Mud Plaintain	2	0.068			
Aug 24-27	1	4	Ceratophyllum demersum	Coontail	1	0.2866			
Aug 24-27	1	5	Potamogeton richardsonii	Claspingleaf Pondweed	3	1.71			

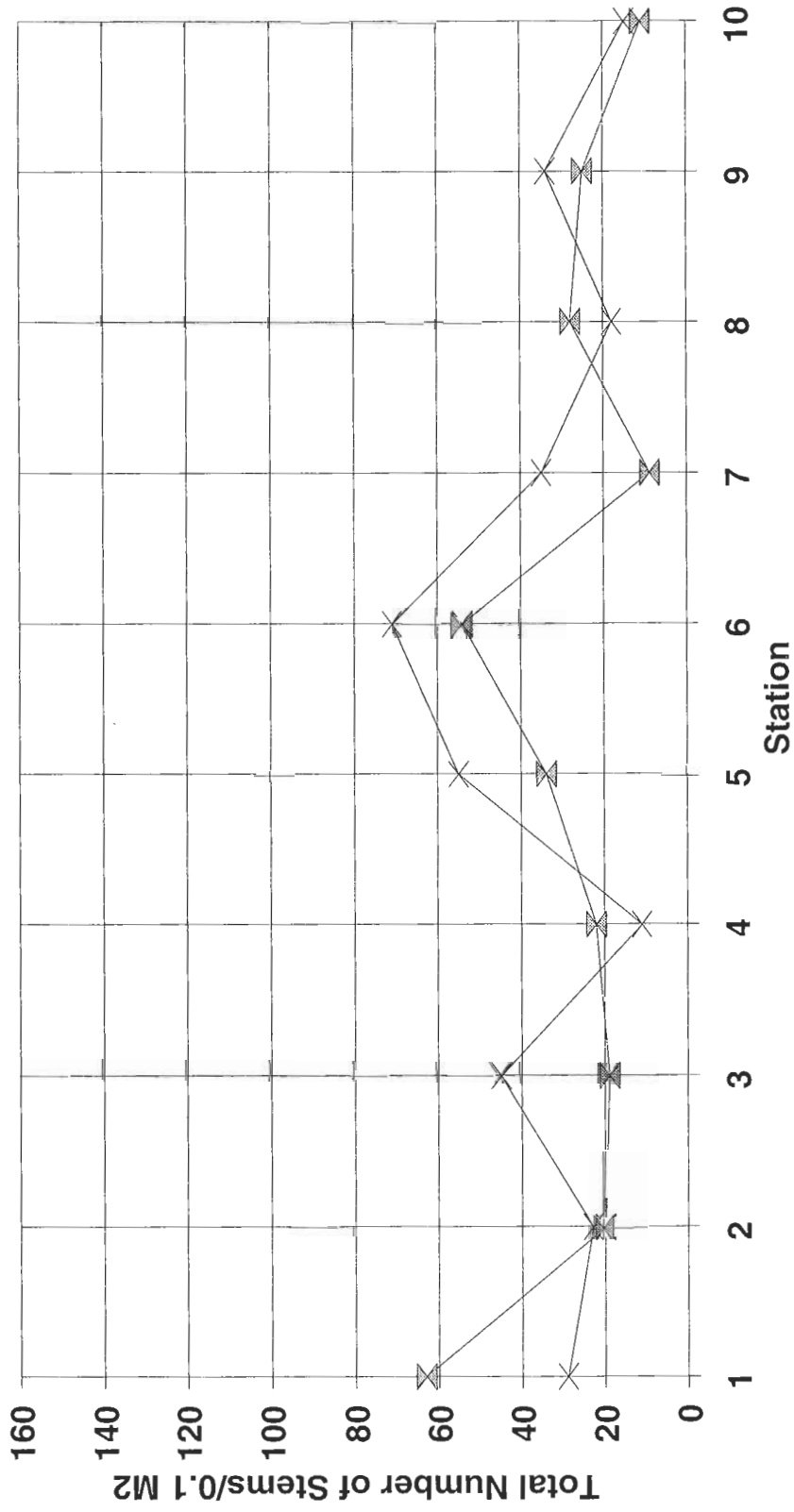
Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Lime Slurry Plot 1  
 Lime Slurry  
 Plot 1

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
Aug 24-27	1	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	4	1.39			
Aug 24-27	1	5	Zosterella dubia	Mud Plaintain	7	2.82			
Aug 24-27	1	5	Vallisneria americana	Wild Celery	5	1.86			
Aug 24-27	1	6	Potamogeton robbinsii	Robbin's Pondweed	1	0.7470			
Aug 24-27	1	6	Chara spp	Muskgrass	2	0.2131			
Aug 24-27	1	6	Ceratophyllum demersum	Coontail	1	0.1830			
Aug 24-27	1	6	Potamogeton amplifolius	Large-leaf Pondweed	5	3.24			
Aug 24-27	1	6	Vallisneria americana	Wild Celery	27	3.63			
Aug 24-27	1	6	Zosterella dubia	Mud Plaintain	3	0.1835			
Aug 24-27	1	7	Ceratophyllum demersum	Coontail	1	2.24			
Aug 24-27	1	7	Myriophyllum exalbescens	Northern Watermilfoil	1	0.9192			
Aug 24-27	1	7	Elodea canadensis	Canada Waterweed	4	0.1689			
Aug 24-27	1	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	37	7.21	0.9207		
Aug 24-27	1	7	Potamogeton richardsonii	Claspingleaf Pondweed	1	0.3460			
Aug 24-27	1	7	Vallisneria americana	Wild Celery	8	2.36			
Aug 24-27	1	8	Vallisneria americana	Wild Celery	9	2.58			
Aug 24-27	1	8	Myriophyllum exalbescens	Northern Watermilfoil	5	0.8731			
Aug 24-27	1	8	Zosterella dubia	Mud Plaintain	4	1.67			
Aug 24-27	1	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	8	2.88			
Aug 24-27	1	8	Potamogeton amplifolius	Large-leaf Pondweed	3	1.57			
Aug 24-27	1	8	Elodea canadensis	Canada Waterweed	6	0.3498			
Aug 24-27	1	8	Ceratophyllum demersum	Coontail	2	4.5			
Aug 24-27	1	9	Vallisneria americana	Wild Celery	3	1.66			
Aug 24-27	1	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	3	1.10	1.09		
Aug 24-27	1	9	Zosterella dubia	Mud Plaintain	6	2.85			
Aug 24-27	1	10	Potamogeton amplifolius	Large-leaf Pondweed	7	3.31			
Aug 24-27	1	10	Vallisneria americana	Wild Celery	18	2.87			

*Appendix B-8*

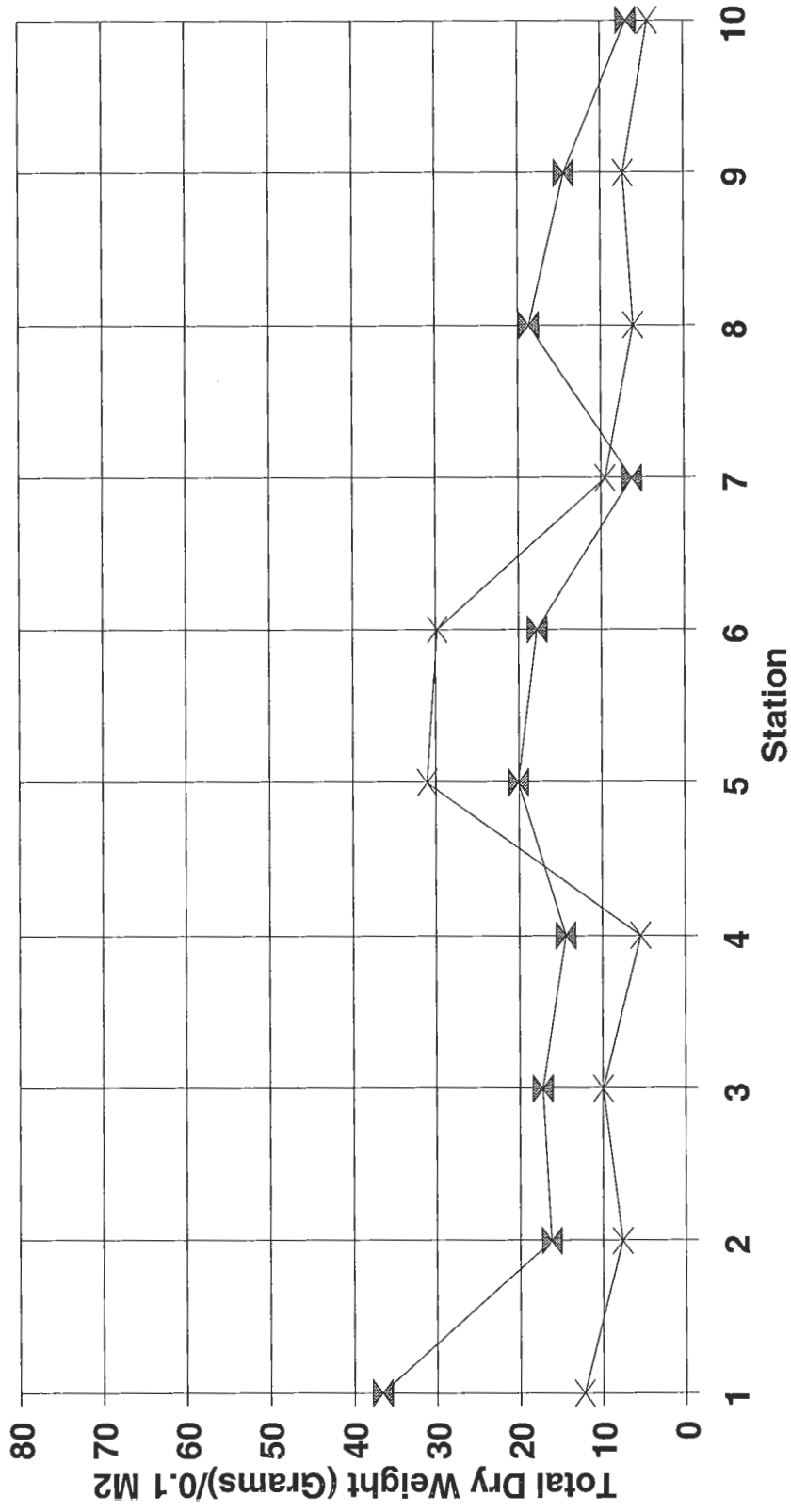
**Lime Slurry Plot 5**

# Big Lake Macrophyte Pilot Project 1999 Lime Slurry Plot 5 By Station



7/27-29/99    8/24-27/99

# Big Lake Macrophyte Pilot Project 1999 Lime Slurry Plot 5 By Station



x 7/27-29/99 X 8/24-27/99

Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Lime Slurry Plot 5  
 Lime Slurry  
 Plot 5

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Date	Duplicate Weight Grams	Dried Twice Grams
July 27-29	5	1	Vallisneria americana	Wild Celery	16	4.33				
July 27-29	5	1	Potamogeton richardsonii	Claspingleaf Pondweed	4	2.91				2.85
July 27-29	5	1	Ceratophyllum demersum	Coontail	7	3.61				
July 27-29	5	1	Potamogeton robbinsii	Robbin's Pondweed	2	1.47				
July 27-29	5	2	Vallisneria americana	Wild Celery	11	2.79				
July 27-29	5	2	Elodea canadensis	Canada Waterweed	5	1.00				
July 27-29	5	2	Ceratophyllum demersum	Coontail	3	2.36				
July 27-29	5	2	Potamogeton robbinsii	Robbin's Pondweed	4	1.56				
July 27-29	5	3	Vallisneria americana	Wild Celery	2	0.2752				
July 27-29	5	3	Elodea canadensis	Canada Waterweed	20	1.15				
July 27-29	5	3	Potamogeton richardsonii	Claspingleaf Pondweed	20	8.84				
July 27-29	5	3	Ceratophyllum demersum	Coontail	3	0.7134				
July 27-29	5	4	Vallisneria americana	Wild Celery	5	1.38				
July 27-29	5	4	Potamogeton crispus	Curlyleaf Pondweed	1	0.1332				
July 27-29	5	4	Zosterella dubia	Mud Plainaintain	To Many	3.70				
July 27-29	5	4	Potamogeton spp	Narrowleaf	5	0.2425				0.2414
July 27-29	5	5	Elodea canadensis	Canada Waterweed	8	1.48				
July 27-29	5	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	44	27.54				
July 27-29	5	5	Potamogeton richardsonii	Claspingleaf Pondweed	2	1.71				
July 27-29	5	5	Ceratophyllum demersum	Coontail	1	0.3589				0.3583
July 27-29	5	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	4.68				4.63
July 27-29	5	6	Elodea canadensis	Canada Waterweed	18	2.11				
July 27-29	5	6	Vallisneria americana	Wild Celery	48	23.00				12.70
July 27-29	5	7	Potamogeton richardsonii	Claspingleaf Pondweed	12	3.87				
July 27-29	5	7	Vallisneria americana	Wild Celery	10	2.30				
July 27-29	5	7	Potamogeton richardsonii	Claspingleaf Pondweed	3	0.6254				
July 27-29	5	7	Ceratophyllum demersum	Coontail	10	2.76				
July 27-29	5	8	Vallisneria americana	Wild Celery	18	6.15				
July 27-29	5	9	Vallisneria americana	Wild Celery	13	2.02				
July 27-29	5	9	Elodea canadensis	Canada Waterweed	1	0.0722				

Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Lime Slurry Plot 5  
 Lime Slurry  
 Plot 5

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Date	Duplicate Weight Grams	Dried Twice Grams
July 27-29	5	9	Potamogeton richardsonii	Claspingleaf Pondweed	3	1.53				
July 27-29	5	9	Zosterella dubia	Mud Plaintain	3	0.3576				
July 27-29	5	9	Potamogeton richardsonii	Claspingleaf Pondweed	14	3.33				
July 27-29	5	10	Vallisneria americana	Wild Celery	15	4.32				
Aug 24-27	5	1	Ceratophyllum demersum	Coontail	2	3.45				
Aug 24-27	5	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.5735				
Aug 24-27	5	1	Potamogeton richardsonii	Claspingleaf Pondweed	38	19.47				
Aug 24-27	5	1	Vallisneria americana	Wild Celery	22	13.20				
Aug 24-27	5	2	Ceratophyllum demersum	Coontail	8	12.03				
Aug 24-27	5	2	Vallisneria americana	Wild Celery	12	4.20				
Aug 24-27	5	3	Elodea canadensis	Canada Waterweed	8	0.7432				
Aug 24-27	5	3	Potamogeton richardsonii	Claspingleaf Pondweed	9	14.20				
Aug 24-27	5	3	Myriophyllum exalbenscens	Northern Watermilfoil	2	2.36				
Aug 24-27	5	4	Elodea canadensis	Canada Waterweed	10	1.84				
Aug 24-27	5	4	Ceratophyllum demersum	Coontail	5	4.61				
Aug 24-27	5	4	Zosterella dubia	Mud Plaintain	to many pieces	3.16				4.58
Aug 24-27	5	4	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.0783				
Aug 24-27	5	4	Vallisneria americana	Wild Celery	6	4.74				
Aug 24-27	5	5	Potamogeton richardsonii	Claspingleaf Pondweed	22	13.70				
Aug 24-27	5	5	Ceratophyllum demersum	Coontail	12	6.42				
Aug 24-27	5	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	9	3.09				
Aug 24-27	5	6	Ceratophyllum demersum	Coontail	1	0.4951				
Aug 24-27	5	6	Vallisneria americana	Wild Celery	44	14.22				
Aug 24-27	5	7	Ceratophyllum demersum	Coontail	1	2.60				
Aug 24-27	5	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.2246				
Aug 24-27	5	7	Potamogeton richardsonii	Claspingleaf Pondweed	1	1.67				
Aug 24-27	5	7	Vallisneria americana	Wild Celery	6	1.88				
Aug 24-27	5	8	Vallisneria americana	Wild Celery	26	17.43				
Aug 24-27	5	8	Myriophyllum exalbenscens	Northern Watermilfoil	2	1.22				
Aug 24-27	5	9	Ceratophyllum demersum	Coontail	2	0.7483				
Aug 24-27	5	9	Elodea canadensis	Canada Waterweed	1	0.0905				
Aug 24-27	5	9	Vallisneria americana	Wild Celery	22	13.59				
Aug 24-27	5	10	Potamogeton richardsonii	Claspingleaf Pondweed	4	3.16				
Aug 24-27	5	10	Vallisneria americana	Wild Celery	5	3.56				
Aug 24-27	5	10	Elodea canadensis	Canada Waterweed	2	0.1946				

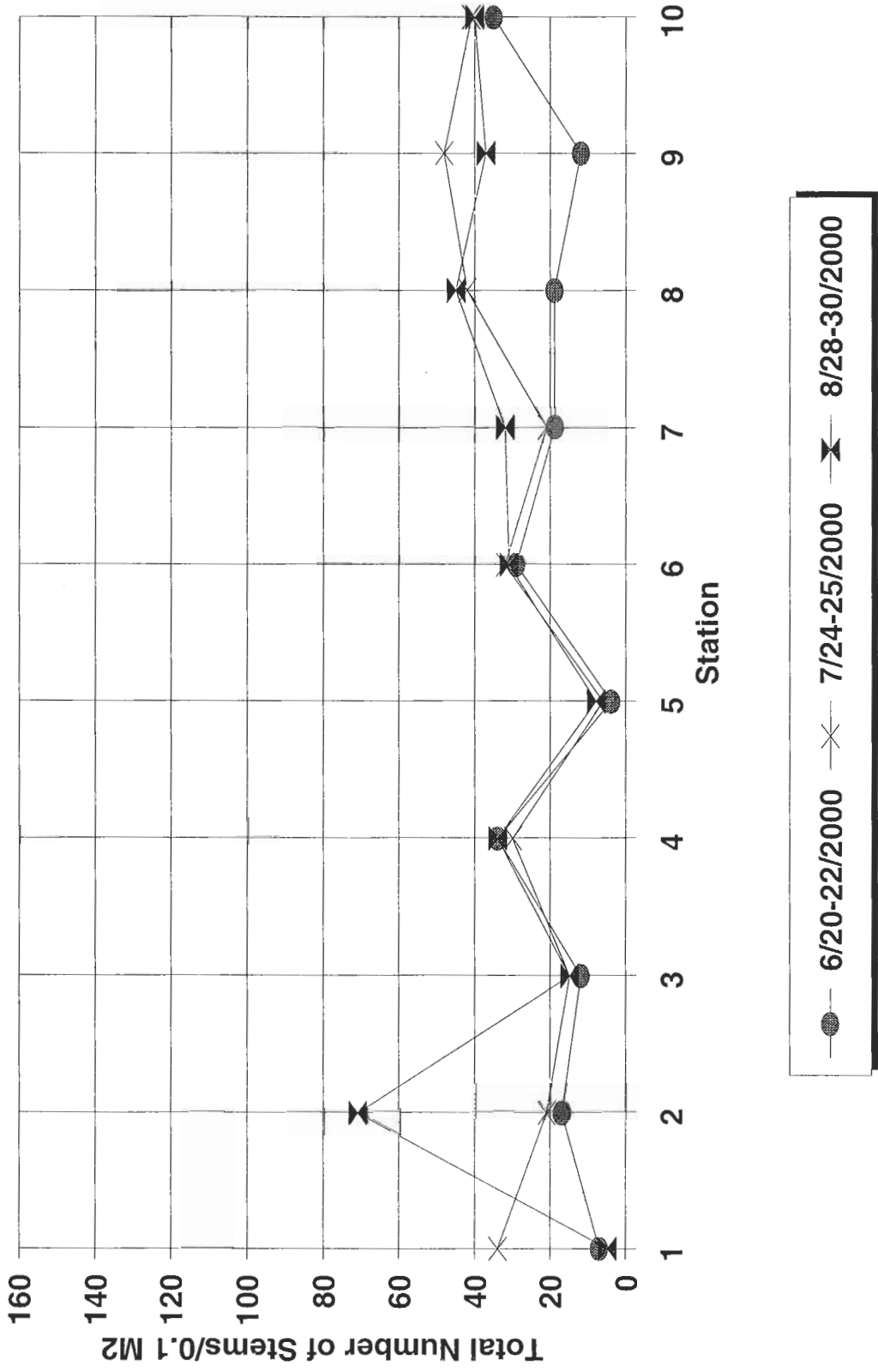


*Appendix C*  
**2000 Monitoring Results**

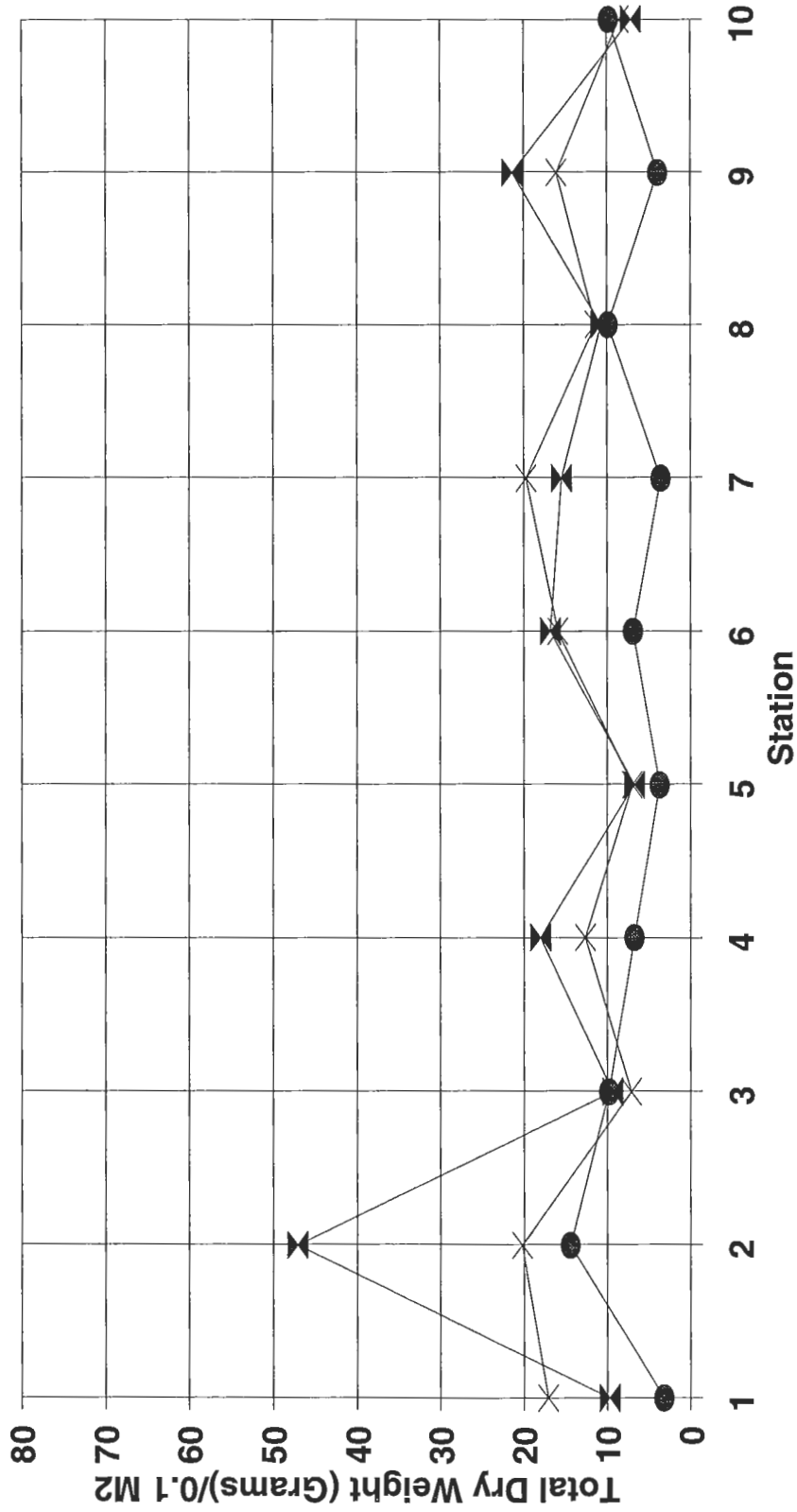
*Appendix C-1*

**Control Plots 2 and 6**

# Big Lake Macrophyte Pilot Project 2000 Control Plot 2 By Station

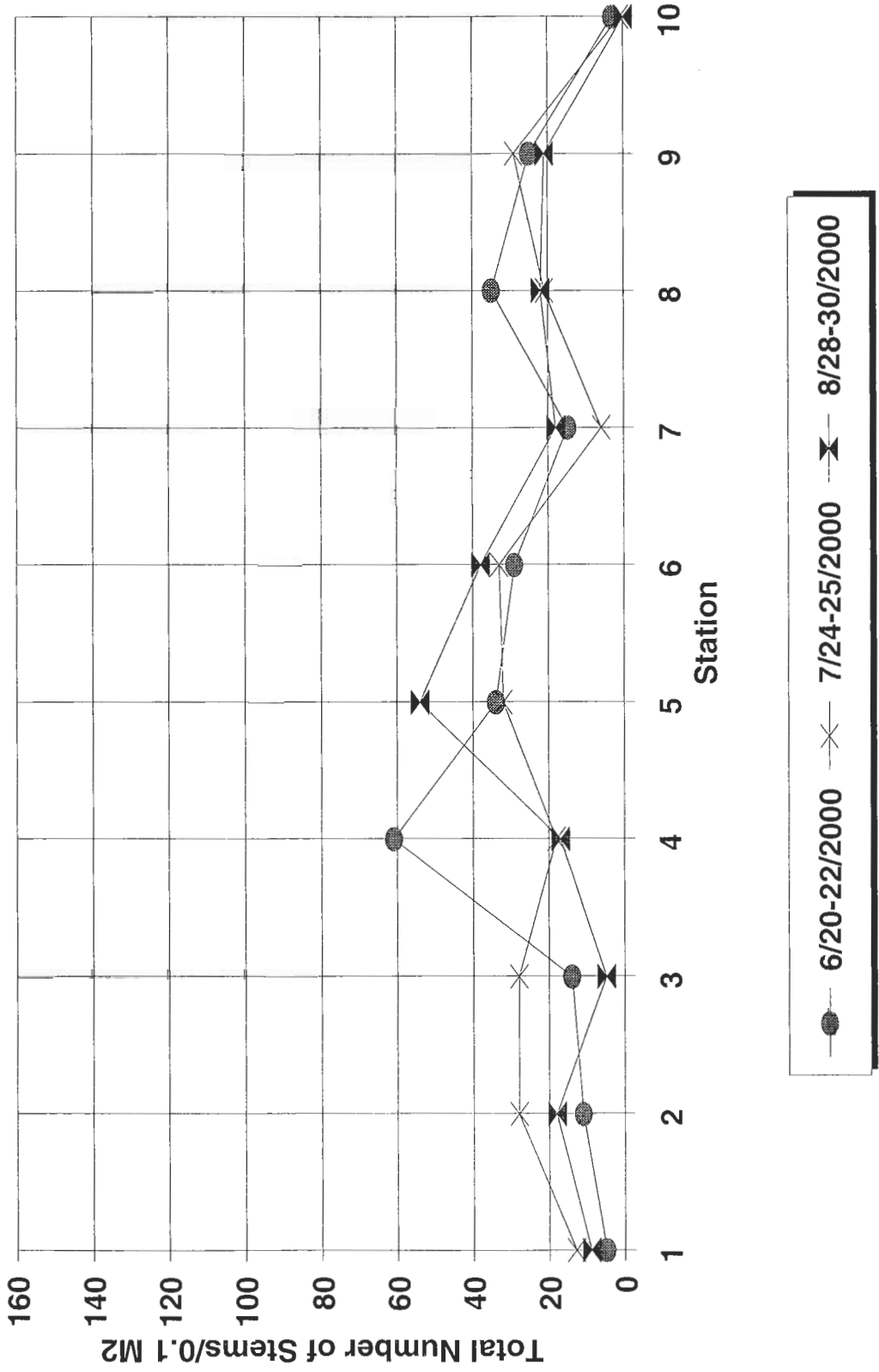


# Big Lake Macrophyte Pilot Project 2000 Control Plot 2 By Station



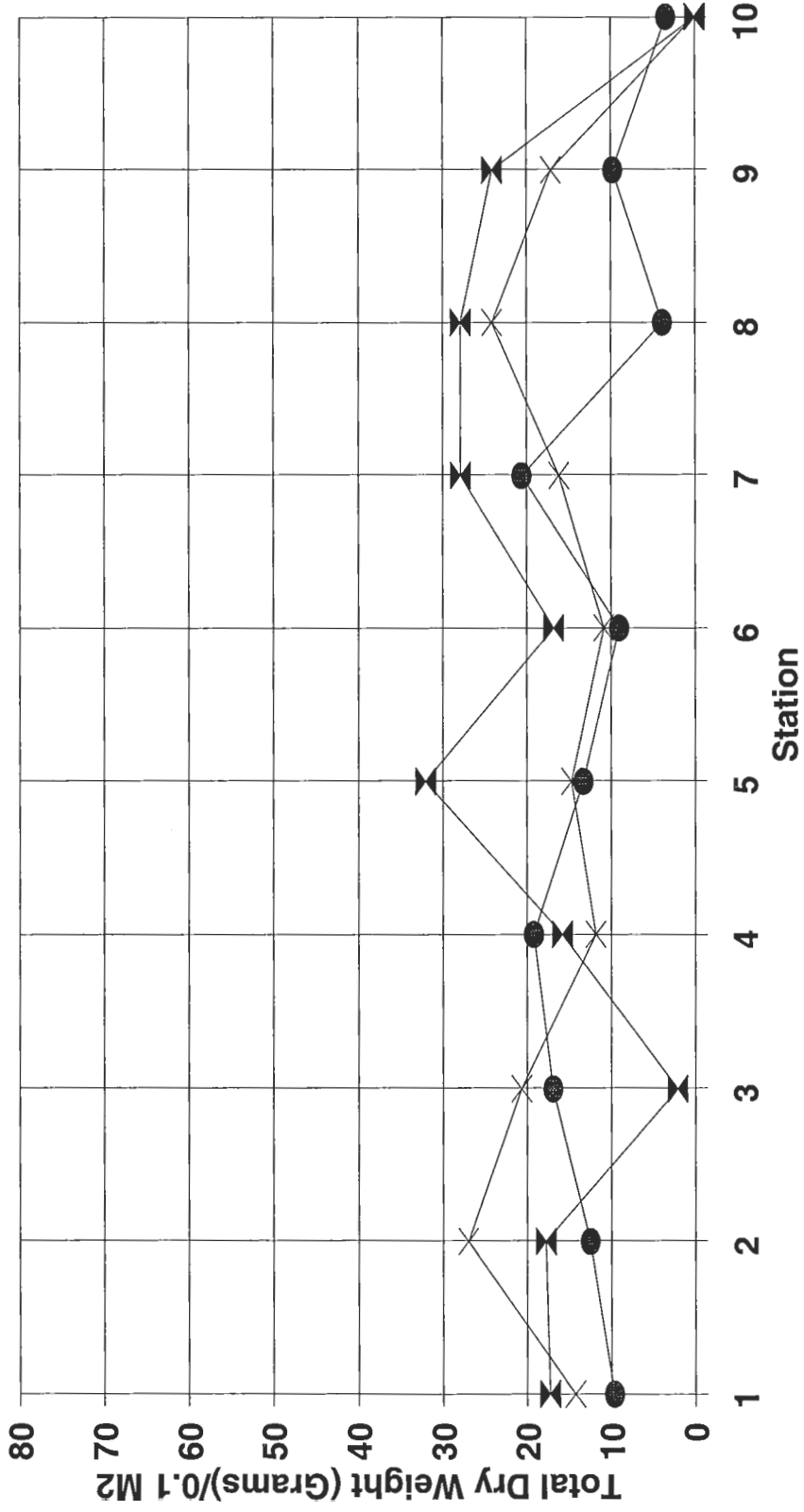
● 6/20-22/2000 \* 7/24-25/2000 × 8/28-30/2000

# Big Lake Macrophyte Pilot Project 2000 Control Plot 6 By Station



# Big Lake Macrophyte Pilot Project

## 2000 Control Plot 6 By Station



● 6/20-22/2000    × 7/24-25/2000    × 8/28-30/2000

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 20 - 22, 2000	2	1	<i>Brasenia schreberi</i>	Watershield	5	1.220			
June 20 - 22, 2000	2	1	<i>Ceratophyllum demersum</i>	Coontail	2	2.010			
June 20 - 22, 2000	2	2	<i>Ceratophyllum demersum</i>	Coontail	3	6.450			6.450
June 20 - 22, 2000	2	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	9	2.880			
June 20 - 22, 2000	2	2	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	5	5.130			
June 20 - 22, 2000	2	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	1.430			
June 20 - 22, 2000	2	3	<i>Ceratophyllum demersum</i>	Coontail	4	2.410			
June 20 - 22, 2000	2	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	4	5.230			
June 20 - 22, 2000	2	3	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.590			
June 20 - 22, 2000	2	3	<i>Vallisneria americana</i>	Wild Celery	2	0.170			
June 20 - 22, 2000	2	4	<i>Vallisneria americana</i>	Wild Celery	29	3.150			
June 20 - 22, 2000	2	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.275			
June 20 - 22, 2000	2	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	3.360			
June 20 - 22, 2000	2	5	<i>Ceratophyllum demersum</i>	Coontail	4	3.760			
June 20 - 22, 2000	2	6	<i>Potamogeton pectinatus</i>	Sago Pondweed	3	0.300			
June 20 - 22, 2000	2	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	2.070			
June 20 - 22, 2000	2	6	<i>Ceratophyllum demersum</i>	Coontail	1	0.275			
June 20 - 22, 2000	2	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	2.590			
June 20 - 22, 2000	2	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.112			
June 20 - 22, 2000	2	6	<i>Vallisneria americana</i>	Wild Celery	15	1.620			
June 20 - 22, 2000	2	7	<i>Ceratophyllum demersum</i>	Coontail	1	1.220			
June 20 - 22, 2000	2	7	<i>Vallisneria americana</i>	Wild Celery	17	2.170			
June 20 - 22, 2000	2	7	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.230			
June 20 - 22, 2000	2	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	14	3.450			
June 20 - 22, 2000	2	8	<i>Ceratophyllum demersum</i>	Coontail	4	6.350			6.210
June 20 - 22, 2000	2	8	<i>Ranunculus sp.</i>	Water Buttercup	1	0.118			
June 20 - 22, 2000	2	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	5	2.130			
June 20 - 22, 2000	2	9	<i>Vallisneria americana</i>	Wild Celery	2	0.320			
June 20 - 22, 2000	2	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	0.940			
June 20 - 22, 2000	2	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.600			
June 20 - 22, 2000	2	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	28	7.450			
June 20 - 22, 2000	2	10	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	2	0.770			
June 20 - 22, 2000	2	10	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	3	1.070			
June 20 - 22, 2000	2	10	<i>Vallisneria americana</i>	Wild Celery	1	0.190			
June 20 - 22, 2000	2	10	<i>Ranunculus sp.</i>	Water Buttercup	1	0.360			
June 20 - 22, 2000	6	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	2.470			

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 20 - 22, 2000	6	1	<i>Ceratophyllum demersum</i>	Coontail	4	7.200			
June 20 - 22, 2000	6	2	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	7.730			
June 20 - 22, 2000	6	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	3	1.780			
June 20 - 22, 2000	6	2	<i>Ceratophyllum demersum</i>	Coontail	3	2.140			
June 20 - 22, 2000	6	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.190			
June 20 - 22, 2000	6	2	<i>Vallisneria americana</i>	Wild Celery	2	0.690			
June 20 - 22, 2000	6	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	2	3.200			
June 20 - 22, 2000	6	3	<i>Vallisneria americana</i>	Wild Celery	2	0.371			
June 20 - 22, 2000	6	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.144			
June 20 - 22, 2000	6	3	<i>Ceratophyllum demersum</i>	Coontail	7	10.320			
June 20 - 22, 2000	6	3	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	2	2.900			
June 20 - 22, 2000	6	4	<i>Ceratophyllum demersum</i>	Coontail	3	3.330			
June 20 - 22, 2000	6	4	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	50	13.680			
June 20 - 22, 2000	6	4	<i>Elodea canadensis</i>	Canada Waterweed	6	0.880			
June 20 - 22, 2000	6	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	2	1.290			
June 20 - 22, 2000	6	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	32	10.450			2.880
June 20 - 22, 2000	6	5	<i>Ceratophyllum demersum</i>	Coontail	2	2.920			4.910
June 20 - 22, 2000	6	6	<i>Vallisneria americana</i>	Wild Celery	21	5.180			
June 20 - 22, 2000	6	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	3.420			
June 20 - 22, 2000	6	6	<i>Potamogeton pectinatus</i>	Sago Pondweed	3	0.480			
June 20 - 22, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	14	20.360			
June 20 - 22, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	--	--			
June 20 - 22, 2000	6	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.220			
June 20 - 22, 2000	6	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	3.200			
June 20 - 22, 2000	6	8	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.420			
June 20 - 22, 2000	6	8	<i>Ceratophyllum demersum</i>	Coontail	2	1.430			
June 20 - 22, 2000	6	8	<i>P. pectinatus</i> and <i>Potamogeton sp.</i>	Sago and Narrow-leaf Pondweed	26	1.820			1.790
June 20 - 22, 2000	6	8	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.260			
June 20 - 22, 2000	6	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	3	0.350			
June 20 - 22, 2000	6	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	4	1.830			
June 20 - 22, 2000	6	9	<i>Ceratophyllum demersum</i>	Coontail	4	0.910			
June 20 - 22, 2000	6	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	14	6.710			
June 20 - 22, 2000	6	10	<i>Ceratophyllum demersum</i>	Coontail	2	3.200			
June 20 - 22, 2000	6	10	<i>Vallisneria americana</i>	Wild Celery	1	0.310			
July 24 - 25, 2000	2	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	28	11.140			
July 24 - 25, 2000	2	1	<i>Ceratophyllum demersum</i>	Coontail	3	4.550			
July 24 - 25, 2000	2	1	<i>Vallisneria americana</i>	Wild Celery	1	0.201			



Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	2	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	1.240			
July 24 - 25, 2000	2	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.203			
July 24 - 25, 2000	2	2	<i>Ceratophyllum demersum</i>	Coontail	3	2.770			
July 24 - 25, 2000	2	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	12	15.110			
July 24 - 25, 2000	2	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	—	—			
July 24 - 25, 2000	2	2	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	5	2.168			
July 24 - 25, 2000	2	3	<i>Ceratophyllum demersum</i>	Coontail	4	3.290			
July 24 - 25, 2000	2	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	5	1.900			
July 24 - 25, 2000	2	3	<i>Vallisneria americana</i>	Wild Celery	3	1.060			
July 24 - 25, 2000	2	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.650			
July 24 - 25, 2000	2	3	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	2	0.276			
July 24 - 25, 2000	2	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	11	8.190			
July 24 - 25, 2000	2	4	<i>Najas sp.</i>	Naid	1	0.028			
July 24 - 25, 2000	2	4	<i>Vallisneria americana</i>	Wild Celery	17	3.610			
July 24 - 25, 2000	2	4	<i>Ceratophyllum demersum</i>	Coontail	1	0.868			
July 24 - 25, 2000	2	5	<i>Ceratophyllum demersum</i>	Coontail	6	7.030			
July 24 - 25, 2000	2	6	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	—	1.276			
July 24 - 25, 2000	2	6	<i>Ceratophyllum demersum</i>	Coontail	2	2.460			
July 24 - 25, 2000	2	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	6	7.870			
July 24 - 25, 2000	2	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	0.961			
July 24 - 25, 2000	2	6	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	1	0.229			0.149
July 24 - 25, 2000	2	6	<i>Vallisneria americana</i>	Wild Celery	14	2.930			
July 24 - 25, 2000	2	6	<i>Najas sp.</i>	Naid	4	0.216			0.204
July 24 - 25, 2000	2	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	1.535			
July 24 - 25, 2000	2	7	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	1.265			
July 24 - 25, 2000	2	7	<i>Vallisneria americana</i>	Wild Celery	6	1.51			
July 24 - 25, 2000	2	7	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	7	14.93			
July 24 - 25, 2000	2	7	<i>Ceratophyllum demersum</i>	Coontail	1	0.493			
July 24 - 25, 2000	2	8	<i>Najas sp.</i>	Naid	1	0.020			0.018
July 24 - 25, 2000	2	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.261			0.239
July 24 - 25, 2000	2	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	6	1.581			
July 24 - 25, 2000	2	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	7	6.39			
July 24 - 25, 2000	2	8	<i>Vallisneria americana</i>	Wild Celery	25	2.96			
July 24 - 25, 2000	2	8	<i>Chara sp.</i>	Muskgrass	1	0.157			
July 24 - 25, 2000	2	9	<i>Vallisneria americana</i>	Wild Celery	25	5.600			
July 24 - 25, 2000	2	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	—	0.154			
July 24 - 25, 2000	2	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	1	0.206			

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	2	9	<i>Ceratophyllum demersum</i>	Coontail	2	1.750			
July 24 - 25, 2000	2	9	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	3	1.150			
July 24 - 25, 2000	2	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.730			
July 24 - 25, 2000	2	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	15	6.510			
July 24 - 25, 2000	2	10	<i>Eriocaulon sp.</i>	Pipewort	Many	1.449			
July 24 - 25, 2000	2	10	<i>Elodea canadensis</i>	Canada Waterweed	2	0.282			
July 24 - 25, 2000	2	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	7	3.490			
July 24 - 25, 2000	2	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	1.373			
July 24 - 25, 2000	2	10	<i>Vallisneria americana</i>	Wild Celery	28	1.970			
July 24 - 25, 2000	6	1	<i>Vallisneria americana</i>	Wild Celery	1	0.820			
July 24 - 25, 2000	6	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	0.783			0.750
July 24 - 25, 2000	6	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	0.947			
July 24 - 25, 2000	6	1	<i>Ceratophyllum demersum</i>	Coontail	6	11.710			
July 24 - 25, 2000	6	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	0.951			0.930
July 24 - 25, 2000	6	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	2	3.090			
July 24 - 25, 2000	6	2	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	5	8.500			
July 24 - 25, 2000	6	2	<i>Vallisneria americana</i>	Wild Celery	13	4.250			
July 24 - 25, 2000	6	2	<i>Ceratophyllum demersum</i>	Coontail	3	10.190			
July 24 - 25, 2000	6	3	<i>Elodea canadensis</i>	Canada Waterweed	5	0.851			
July 24 - 25, 2000	6	3	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	3.370			3.330
July 24 - 25, 2000	6	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	4	3.150			
July 24 - 25, 2000	6	3	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	4	0.509			
July 24 - 25, 2000	6	3	<i>Vallisneria americana</i>	Wild Celery	5	1.820			
July 24 - 25, 2000	6	3	<i>Ceratophyllum demersum</i>	Coontail	6	11.010			
July 24 - 25, 2000	6	4	<i>Ceratophyllum demersum</i>	Coontail	1	0.542			
July 24 - 25, 2000	6	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.298			
July 24 - 25, 2000	6	4	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.934			
July 24 - 25, 2000	6	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	8	8.690			
July 24 - 25, 2000	6	4	<i>Elodea canadensis</i>	Canada Waterweed	6	1.395			
July 24 - 25, 2000	6	5	<i>Vallisneria americana</i>	Wild Celery	4	1.500			
July 24 - 25, 2000	6	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	16	9.940			1.047
July 24 - 25, 2000	6	5	<i>Elodea canadensis</i>	Canada Waterweed	9	1.118			
July 24 - 25, 2000	6	5	<i>Ranunculus sp.</i>	Water Buttercup	1	0.834			
July 24 - 25, 2000	6	5	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	0.600			
July 24 - 25, 2000	6	5	<i>Ceratophyllum demersum</i>	Coontail	1	0.765			
July 24 - 25, 2000	6	6	<i>Vallisneria americana</i>	Wild Celery	7	3.323			
July 24 - 25, 2000	6	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	3.440			3.370
July 24 - 25, 2000	6	6	<i>Ranunculus sp.</i>	Water Buttercup	7	1.480			

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	6	6	<i>Najas</i> sp.	Naid	14	2.260			
July 24 - 25, 2000	6	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.371			
July 24 - 25, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	6	16.220			15.860
July 24 - 25, 2000	6	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	7	3.630			
July 24 - 25, 2000	6	8	<i>Elodea canadensis</i>	Canada Waterweed	2	0.197			
July 24 - 25, 2000	6	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	8.220			
July 24 - 25, 2000	6	8	<i>Ceratophyllum demersum</i>	Coontail	1	2.060			
July 24 - 25, 2000	6	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.819			
July 24 - 25, 2000	6	8	<i>Potamogeton pectinatus</i>	Sago Pondweed	Many	9.190			
July 24 - 25, 2000	6	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	0.830			
July 24 - 25, 2000	6	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	15	8.000			
July 24 - 25, 2000	6	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	1.320			
July 24 - 25, 2000	6	9	<i>Vallisneria americana</i>	Wild Celery	3	1.610			
July 24 - 25, 2000	6	9	<i>Ceratophyllum demersum</i>	Coontail	4	4.910			
July 24 - 25, 2000	6	9	<i>Potamogeton</i> sp.	Narrow Leaf Pondweed	3	0.520			
July 24 - 25, 2000	6	10	<i>Ceratophyllum demersum</i>	Coontail	1	0.153			
August 28 - 30, 2000	2	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	0.530			
August 28 - 30, 2000	2	1	<i>Ceratophyllum demersum</i>	Coontail	2	9.260			
August 28 - 30, 2000	2	2	<i>Ceratophyllum demersum</i>	Coontail	5	10.370			
August 28 - 30, 2000	2	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	26	16.440			
August 28 - 30, 2000	2	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	26	13.770			13.300
August 28 - 30, 2000	2	2	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	6	4.190			
August 28 - 30, 2000	2	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	1.310			
August 28 - 30, 2000	2	2	<i>Vallisneria americana</i>	Wild Celery	4	1.080			
August 28 - 30, 2000	2	3	<i>Ceratophyllum demersum</i>	Coontail	3	5.230			
August 28 - 30, 2000	2	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	8	1.230			
August 28 - 30, 2000	2	3	<i>Elodea canadensis</i>	Canada Waterweed	1	0.039			
August 28 - 30, 2000	2	3	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.920			
August 28 - 30, 2000	2	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	1.950			
August 28 - 30, 2000	2	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	14	13.290			
August 28 - 30, 2000	2	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.770			
August 28 - 30, 2000	2	4	<i>Vallisneria americana</i>	Wild Celery	9	2.070			0.720
August 28 - 30, 2000	2	4	<i>Zosterella dubia</i>	Mud Plainain	8	0.780			
August 28 - 30, 2000	2	4	<i>Ceratophyllum demersum</i>	Coontail	1	1.140			
August 28 - 30, 2000	2	5	<i>Ceratophyllum demersum</i>	Coontail	8	6.780			
August 28 - 30, 2000	2	6	<i>Ranunculus</i> sp.	Water Buttercup	4	0.731			

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	2	6	<i>Najas</i> sp.	Naid	3	0.173			
August 28 - 30, 2000	2	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	10	13.400			
August 28 - 30, 2000	2	6	<i>Vallisneria americana</i>	Wild Celery	12	1.690			
August 28 - 30, 2000	2	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.840			
August 28 - 30, 2000	2	7	<i>Ceratophyllum demersum</i>	Coontail	4	9.200			
August 28 - 30, 2000	2	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	11	1.650			
August 28 - 30, 2000	2	7	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	4	2.660			
August 28 - 30, 2000	2	7	<i>Vallisneria americana</i>	Wild Celery	12	1.640			
August 28 - 30, 2000	2	7	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.328			
August 28 - 30, 2000	2	8	<i>Najas</i> sp.	Naid	1	0.221			
August 28 - 30, 2000	2	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	10	5.020			
August 28 - 30, 2000	2	8	<i>Vallisneria americana</i>	Wild Celery	34	5.520			
August 28 - 30, 2000	2	9	<i>Elodea canadensis</i>	Canada Waterweed	2	0.262			
August 28 - 30, 2000	2	9	<i>Ranunculus</i> sp.	Water Buttercup	1	0.519			
August 28 - 30, 2000	2	9	<i>Ceratophyllum demersum</i>	Coontail	2	2.010			
August 28 - 30, 2000	2	9	<i>Vallisneria americana</i>	Wild Celery	28	8.940			
August 28 - 30, 2000	2	9	<i>Vallisneria americana</i>	Wild Celery	—	5.400			
August 28 - 30, 2000	2	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	1.460			
August 28 - 30, 2000	2	9	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	3	2.740			
August 28 - 30, 2000	2	10	<i>Vallisneria americana</i>	Wild Celery	35	5.550			
August 28 - 30, 2000	2	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	1.440			
August 28 - 30, 2000	2	10	<i>Elodea canadensis</i>	Canada Waterweed	1	0.200			
August 28 - 30, 2000	6	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.105			
August 28 - 30, 2000	6	1	<i>Ceratophyllum demersum</i>	Coontail	8	17.210			
August 28 - 30, 2000	6	2	<i>Elodea canadensis</i>	Canada Waterweed	1	0.036			
August 28 - 30, 2000	6	2	<i>Ceratophyllum demersum</i>	Coontail	4	8.940			
August 28 - 30, 2000	6	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.059			
August 28 - 30, 2000	6	2	<i>Vallisneria americana</i>	Wild Celery	7	1.890			
August 28 - 30, 2000	6	2	<i>Vallisneria americana</i>	Wild Celery	5	6.890			1.400
August 28 - 30, 2000	6	3	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	—	—			
August 28 - 30, 2000	6	3	<i>Ceratophyllum demersum</i>	Coontail	1	1.890			
August 28 - 30, 2000	6	3	<i>Potamogeton</i> sp.	Narrow Leaf Pondweed	3	0.184			
August 28 - 30, 2000	6	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.095			
August 28 - 30, 2000	6	4	<i>Elodea canadensis</i>	Canada Waterweed	5	1.870			
August 28 - 30, 2000	6	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	9.930			
August 28 - 30, 2000	6	4	<i>Ceratophyllum demersum</i>	Coontail	2	3.880			
August 28 - 30, 2000	6	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.149			

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

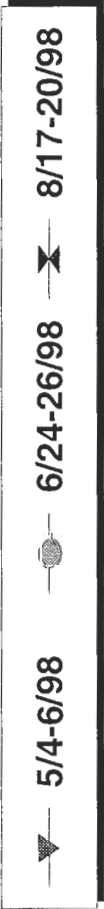
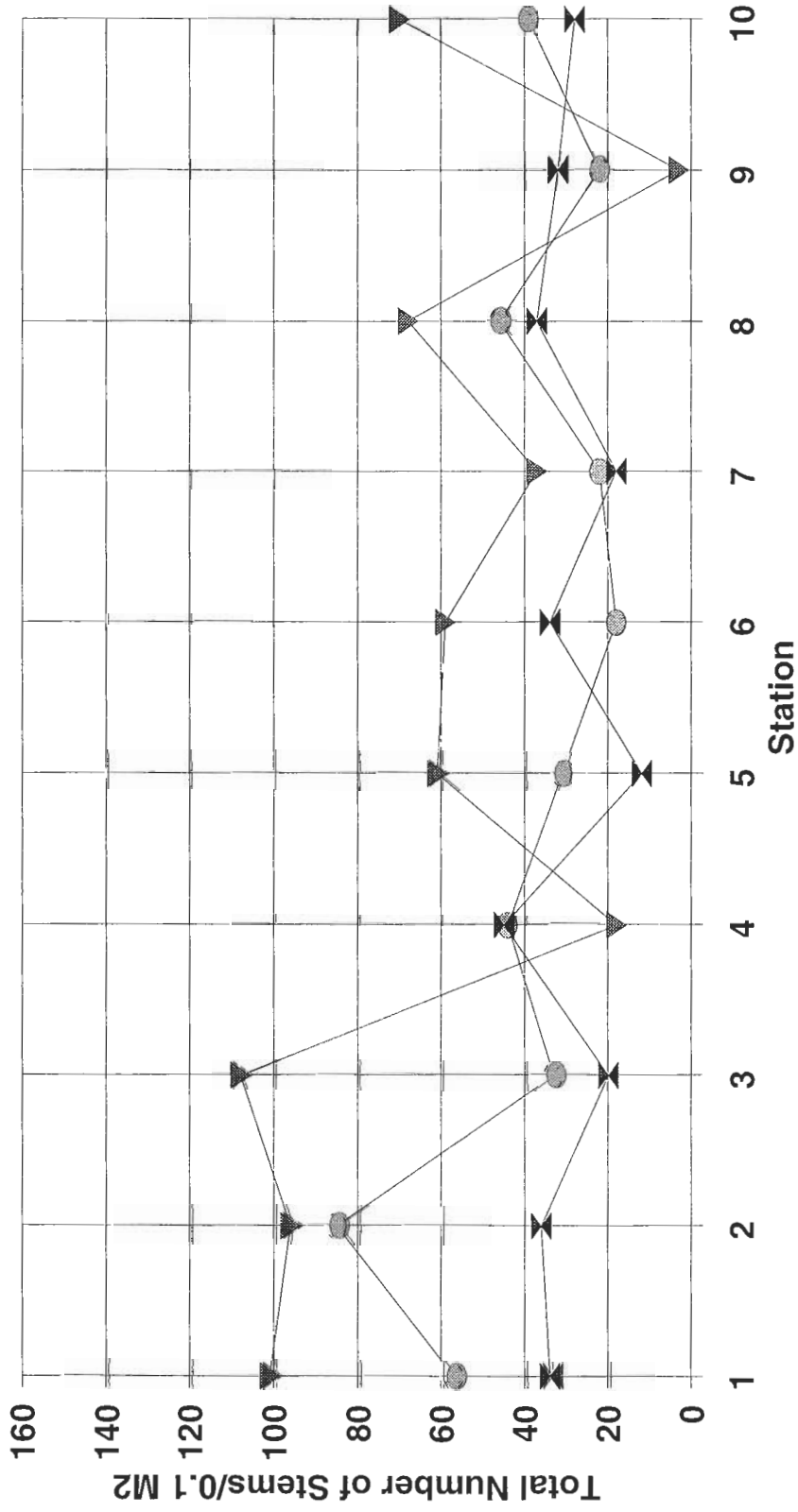
Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	6	5	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	15.370			
August 28 - 30, 2000	6	5	<i>Ranunculus</i> sp.	Water Buttercup	2	1.680			
August 28 - 30, 2000	6	5	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	5	6.190			
August 28 - 30, 2000	6	5	<i>Ceratophyllum demersum</i>	Coontail	2	1.180			
August 28 - 30, 2000	6	5	<i>Elodea canadensis</i>	Canada Waterweed	34	6.520			
August 28 - 30, 2000	6	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	1.100			
August 28 - 30, 2000	6	6	<i>Ceratophyllum demersum</i>	Coontail	1	0.418			
August 28 - 30, 2000	6	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	5.190			
August 28 - 30, 2000	6	6	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	7	3.730			
August 28 - 30, 2000	6	6	<i>Vallisneria americana</i>	Wild Celery	24	6.270			
August 28 - 30, 2000	6	6	<i>Najas</i> sp.	Naid	2	0.548			
August 28 - 30, 2000	6	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	7	2.700			
August 28 - 30, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	11	10.900			
August 28 - 30, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	—	14.290			
August 28 - 30, 2000	6	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	10	10.420			
August 28 - 30, 2000	6	8	<i>Vallisneria americana</i>	Wild Celery	6	1.570			
August 28 - 30, 2000	6	8	<i>Elodea canadensis</i>	Canada Waterweed	1	0.040			
August 28 - 30, 2000	6	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.860			
August 28 - 30, 2000	6	8	<i>Potamogeton pectinatus</i>	Sago Pondweed	4	0.560			
August 28 - 30, 2000	6	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	4	3.030			
August 28 - 30, 2000	6	9	<i>Vallisneria americana</i>	Wild Celery	13	8.140			
August 28 - 30, 2000	6	9	<i>Vallisneria americana</i>	Wild Celery	—	—			
August 28 - 30, 2000	6	9	<i>Ceratophyllum demersum</i>	Coontail	4	12.970			
August 28 - 30, 2000	6	10	No Plants	N/A	—	—			

\* Scientific name change: *Myriophyllum sibiricum* (formerly known as *Myriophyllum exalbescens*).

*Appendix A-5*

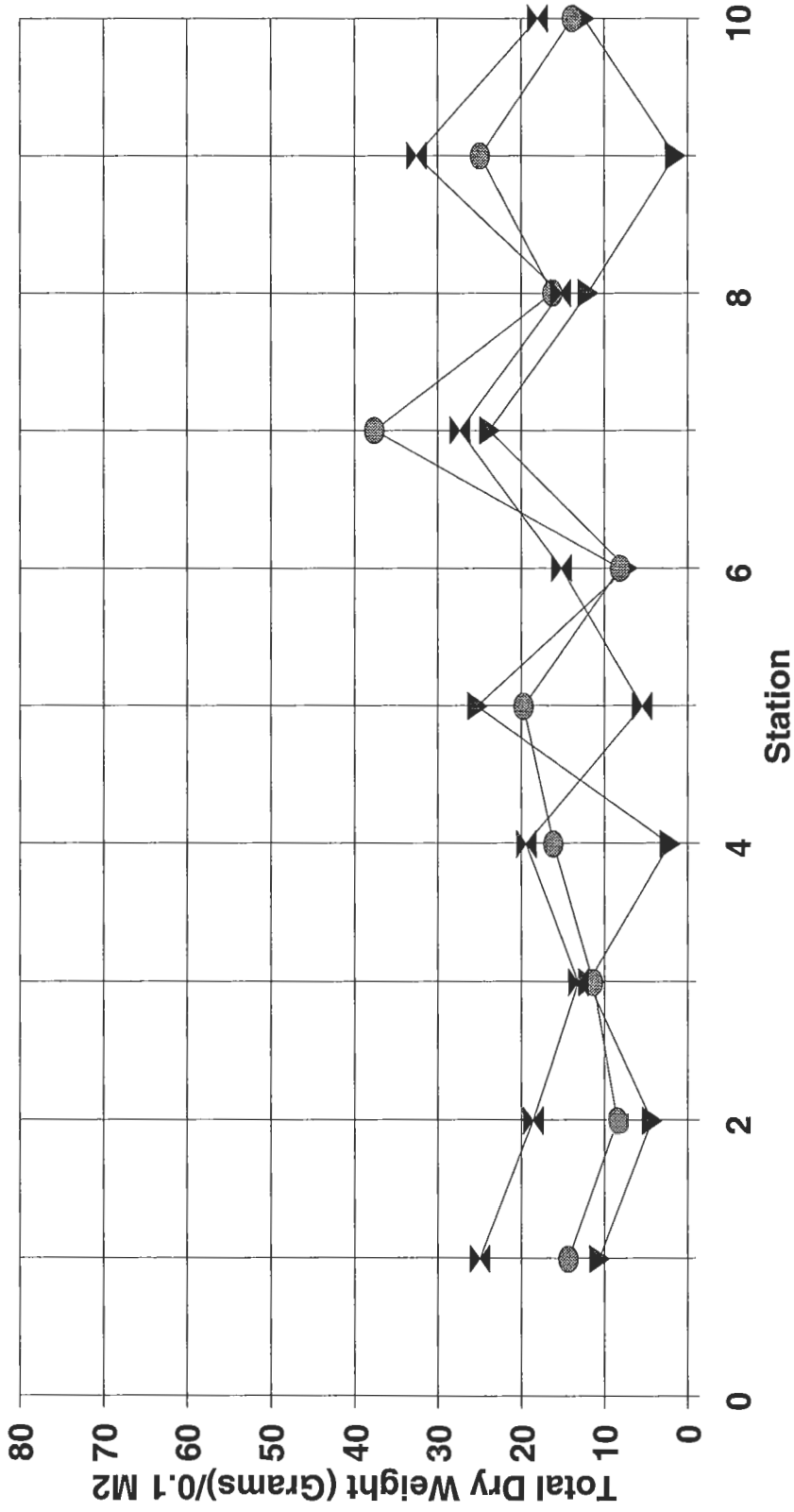
**Harvesting Plot 3**

# Big Lake Macrophyte Pilot Project 1998 Harvesting Plot 3 By Station



# Big Lake Macrophyte Pilot Project

## 1998 Harvesting Plot 3 By Station





Big Lake Pilot Program  
1998 Monitoring Results from Harvesting Plot 3  
Harvesting  
Plot 3

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	'Dried Twice Grams
5/4-6/98		3	1 <i>Elodea canadensis</i>	common waterweed	42	7.34		
5/4-6/98		3	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.07	0.0475	
5/4-6/98		3	1 <i>Potamogeton crispus</i>	curly-leaf pondweed	6	0.8		
5/4-6/8		3	1 <i>Zosterella dubia</i>	water stargrass	15	0.34		
5/4-6/98		3	1 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	0.29		
5/4-6/98		3	1 <i>Ranunculus spp.</i>	water crowfoot	2	0.08		
5/4-6/98		3	1 <i>Chara spp.</i>	muskgrasses	5	0.19		
5/4-6/98		3	1 <i>Ceratophyllum demersum</i>	coontail	22	1.29		
5/4-6/98		3	1 <i>Myriophyllum spp.</i>	water milfoil	3	0.25		
5/4-6/98		3	2 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.18		
5/4-6/98		3	2 <i>Zosterella dubia</i>	water stargrass	59	0.58		
5/4-6/98		3	2 <i>Potamogeton amplifolius</i>	large-leaf pondweed	3	0.6		
5/4-6/98		3	2 <i>Ceratophyllum demersum</i>	coontail	14	1.61		
5/4-6/98		3	2 <i>Elodea canadensis</i>	common waterweed	19	1.34		
5/4-6/98		3	3 <i>Zosterella dubia</i>	water stargrass	6	0.07	0.0793	
5/4-6/98		3	3 <i>Potamogeton crispus</i>	curly-leaf pondweed	5	0.14		
5/4-6/98		3	3 <i>Ceratophyllum demersum</i>	coontail	18	3.95		
5/4-6/98		3	3 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.96		
5/4-6/98		3	3 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.65		
5/4-6/98		3	3 <i>Elodea canadensis</i>	common waterweed	64	4.55		
5/4-6/98		3	3 <i>Potamogeton robbinsii</i>	Robbins pondweed	11	1.67		
5/4-6/98		3	4 <i>Sagittaria spp.</i>	arrowhead	1	0.09		
5/4-6/98		3	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.15		
5/4-6/98		3	4 <i>Elodea canadensis</i>	common waterweed	4	0.09	0.0884	
5/4-6/98		3	4 <i>Potamogeton amplifolius</i>	large-leaf pondweed	5	0.79		
5/4-6/98		3	4 <i>Potamogeton robbinsii</i>	Robbins pondweed	3	1.01		
5/4-6/98		3	4 <i>Zosterella dubia</i>	water stargrass	4	0.04		
5/4-6/98		3	5 <i>Potamogeton robbinsii</i>	Robbins pondweed	14	3.23		
5/46/98		3	5 <i>Ceratophyllum demersum</i>	coontail	8	15.73		
5/4-6/98		3	5 <i>Elodea canadensis</i>	common waterweed	14	1.47		

## Harvesting

## Plot 3

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
5/4-6/98		3	5 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	1.14		
5/4-6/98		3	5 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	7	0.75		
5/4-6/98		3	5 <i>Potamogeton crispus</i>	curly-leaf pondweed	2	0.07	0.0633	
5/4-6/98		3	5 <i>Myriophyllum exalbascens</i>	northern water milfoil	14	2.88		
5/4-6/98		3	6 <i>Potamogeton robbinsii</i>	Robbins pondweed	25	5.25		
5/4-6/98		3	6 <i>Elodea canadensis</i>	common waterweed	10	0.5		
5/4-6/98		3	6 <i>Ceratophyllum demersum</i>	coontail	3	4.47		
5/4-6/98		3	6 <i>Ranunculus spp.</i>	water crowfoot	1	0.07	0.0671	
5/4-6/98		3	6 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.05	0.057	
5/4-6/98		3	6 <i>Potamogeton amplifolius</i>	large-leaf pondweed	2	1.51		
5/4-6/98		3	6 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.08	0.0922	
5/4-6/98		3	6 <i>Zosterella dubia</i>	water stargrass	16	0.63		
5/4-6/98		3	7 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	1.05		
5/4-6/98		3	7 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	19	4.19		
5/4-6/98		3	7 <i>Ceratophyllum demersum</i>	coontail	9	16.76		
5/4-6/98		3	7 <i>Myriophyllum exalbascens</i>	northern water milfoil	6	0.92		
5/4-6/98		3	7 <i>Eriocaulon spp.</i>	pipewort	1	0.92		
5/4-6/98		3	8 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	14	2.21		
5/4-6/98		3	8 <i>Elodea canadensis</i>	common waterweed	12	0.59		
5/4-6/98		3	8 <i>Ceratophyllum demersum</i>	coontail	3	1.73		
5/4-6/98		3	8 <i>Ranunculus spp.</i>	water crowfoot	1	0.37		
5/46/98		3	8 <i>Myriophyllum exalbascens</i>	northern water milfoil	5	1.08		
5/4-6/98		3	8 <i>Potamogeton robbinsii</i>	Robbins pondweed	20	4.8		
5/4-6/98		3	8 <i>Zosterella dubia</i>	water stargrass	13	1.18		
5/4-6/98		3	9 <i>Ceratophyllum demersum</i>	coontail	1	0.9		
5/4-6/98		3	9 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	0.62		
5/4-6/98		3	10 <i>Zosterella dubia</i>	water stargrass	14	0.36		
5/4-6/98		3	10 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.12		
5/4-6/98		3	10 <i>Elodea canadensis</i>	common waterweed	1	0.05	0.0442	
5/4-6/98		3	10 <i>Myriophyllum exalbascens</i>	northern water milfoil	4	0.4		
5/4-6/98		3	10 <i>Ceratophyllum demersum</i>	coontail	7	3.29		

Harvesting Plot 3	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
	5/4-6/98		3	10 <i>Potamogeton robbinsii</i>	Robbins pondweed	26	5.33		
	5/4-6/98		3	10 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	17	2.91		
	6/24-26/98		3	1 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.17		
	6/24-26/98		3	1 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	3.05		
	6/24-26/98		3	1 <i>Elodea canadensis</i>	common waterweed	35	7.49		
	6/24-26/98		3	1 <i>Zosterella dubia</i>	water stargrass	6	0.26		
	6/24-26/98		3	1 <i>Vallisneria americana</i>	wild celery	6	0.99		
	6/24-26/98		3	1 <i>Ceratophyllum demersum</i>	coontail	2	0.0584		
	6/24-26/98		3	1 <i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.77		
	6/24-26/98		3	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	1.56		
	6/24-26/98		3	2 <i>Ceratophyllum demersum</i>	coontail	1	0.33		
	6/24-26/98		3	2 <i>Elodea canadensis</i>	common waterweed	11	1.16		
	6/24-26/98		3	2 <i>Vallisneria americana</i>	wild celery	39	5.51		
	6/24-26/98		3	2 <i>Zosterella dubia</i>	water stargrass	33	1.04		
	6/24-26/98		3	2 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.5		
	6/24-26/98		3	3 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	1.09		
	6/24-26/98		3	3 <i>Elodea canadensis</i>	common waterweed	11	1.69		
	6/24-26/98		3	3 <i>Vallisneria americana</i>	wild celery	9	0.91		
	6/24-26/98		3	3 <i>Zosterella dubia</i>	water stargrass	2	0.14		
	6/24-26/98		3	3 <i>Myriophyllum exalbescens</i>	northern water milfoil	2	0.63		
	6/24-26/98		3	3 <i>Ceratophyllum demersum</i>	coontail	3	5.16		
	6/24-26/98		3	3 <i>Potamogeton amplifolius</i>	large-leaf pondweed	2	1.76		
	6/24-26/98		3	4 <i>Potamogeton robbinsii</i>	Robbins pondweed	3	2.12		
	6/24-26/98		3	4 <i>Ranunculus spp.</i>	water crowfoot	1	0.093		
	6/24-26/98		3	4 <i>Potamogeton spp.</i>	narrow-leaf pondweed	1	0.17		
	6/24-26/98		3	4 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.36		
	6/24-26/98		3	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	1.7		
	6/24-26/98		3	4 <i>Potamogeton amplifolius</i>	large-leaf pondweed	5	6.46		
	6/24-26/98		3	4 <i>Vallisneria americana</i>	wild celery	6	0.61		
	6/24-26/98		3	4 <i>Zosterella dubia</i>	water stargrass	24	4.61		
	6/24-26/98		3	5 <i>Elodea canadensis</i>	common waterweed	1	0.36		

Harvesting Plot 3	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	'Dried Twice Grams
	6/24-26/98		3	5	<i>Vallisneria americana</i>	wild celery	1	0.1051	
	6/24-26/98		3	5	<i>Potamogeton spp.</i>	narrow-leaf pondweed	1	0.12	
	6/24-26/98		3	5	<i>Potamogeton crispus</i>	curly-leaf pondweed	2	0.29	
	6/24-26/98		3	5	<i>Myriophyllum exalbascens</i>	northern water milfoil	2	1.32	
	6/24-26/98		3	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	24	17.56	
	6/24-26/98		3	6	<i>Zosterella dubia</i>	water stargrass	3	0.37	
	6/24-26/98		3	6	<i>Vallisneria americana</i>	wild celery	5	0.6	
	6/24-26/98		3	6	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	2.42	
	6/24-26/98		3	6	<i>Ranunculus spp.</i>	water crowfoot	4	1.58	
	6/24-26/98		3	6	<i>Potamogeton amplifolius</i>	large-leaf pondweed	2	3.19	
	6/24-26/98		3	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	9	6.12	
	6/24-26/98		3	7	<i>Ceratophyllum demersum</i>	coontail	4	8.2	
	6/24-26/98		3	7	<i>Myriophyllum exalbascens</i>	northern water milfoil	2	0.0847	
	6/24-26/98		3	7	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	7	23.23	
	6/24-26/98		3	8	<i>Elodea canadensis</i>	common waterweed	3	0.77	
	6/24-26/98		3	8	<i>Ceratophyllum demersum</i>	coontail	2	0.32	
	6/24-26/98		3	8	<i>Zosterella dubia</i>	water stargrass	13	0.43	
	6/24-26/98		3	8	<i>Vallisneria americana</i>	wild celery	3	0.62	
	6/24-26/98		3	8	<i>Potamogeton robbinsii</i>	Robbins pondweed	4	2.76	
	6/24-26/98		3	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	21	11.32	
	6/24-26/98		3	9	<i>Vallisneria americana</i>	wild celery	3	0.64	
	6/24-26/98		3	9	<i>Ceratophyllum demersum</i>	coontail	1	1.21	
	6/24-26/98		3	9	<i>Potamogeton robbinsii</i>	Robbins pondweed	3	1.75	
	6/24-26/98		3	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.47	
	6/24-26/98		3	9	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	14	20.87	
	6/24-26/98		3	10	<i>Zosterella dubia</i>	water stargrass	22	2.38	
	6/24-26/98		3	10	<i>Potamogeton spp.</i>	narrow-leaf pondweed	2	0.25	
	6/24-26/98		3	10	<i>Vallisneria americana</i>	wild celery	5	1.33	
	6/24-26/98		3	10	<i>Ceratophyllum demersum</i>	coontail	3	2.79	
	6/24-26/98		3	10	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.26	
	6/24-26/98		3	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	6	6.88	

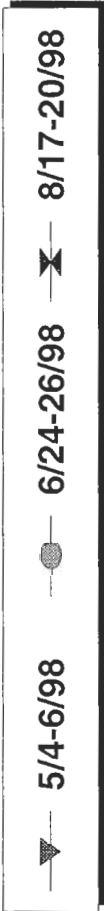
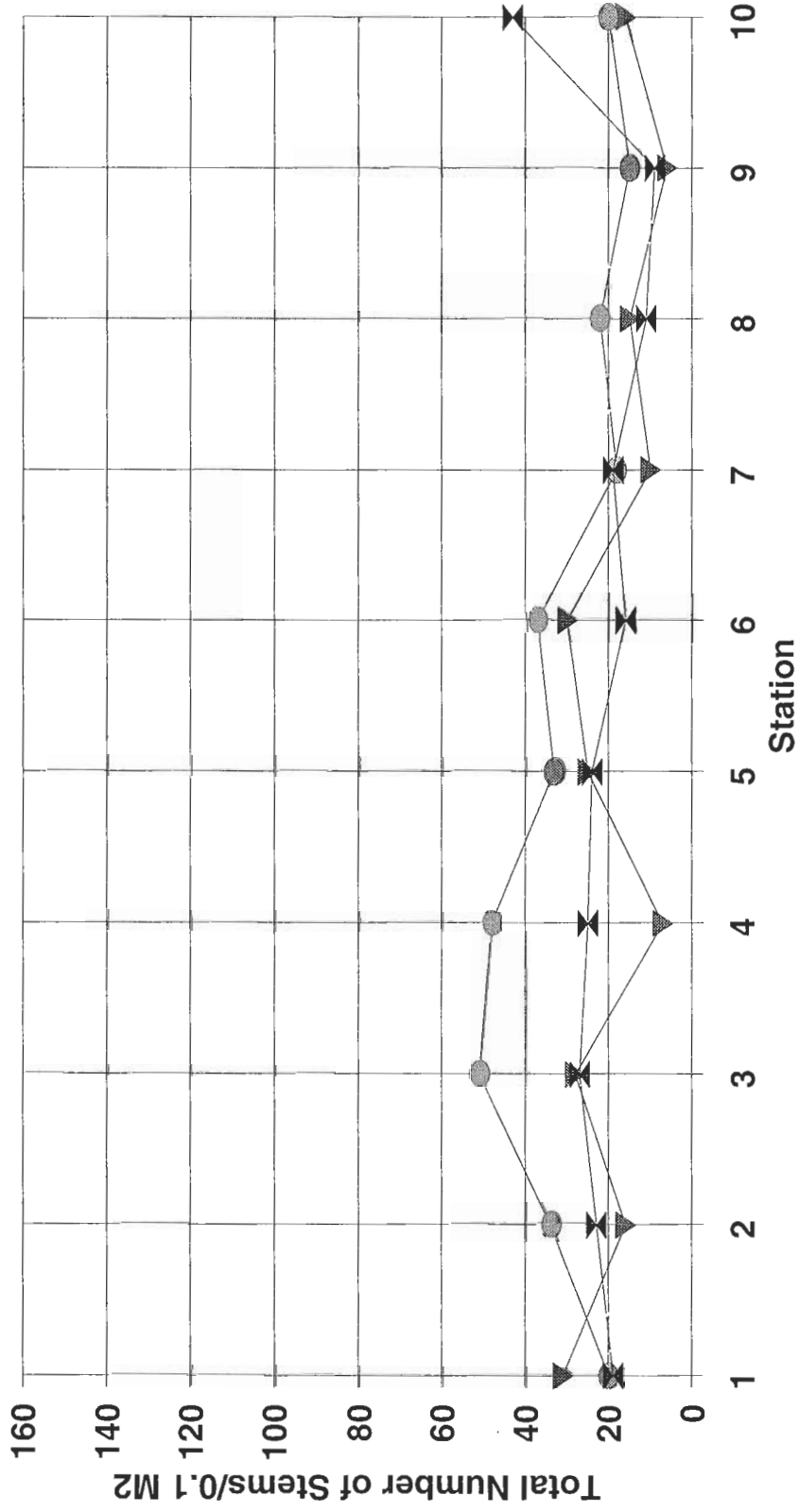
Harvesting Plot 3	Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
	8/17-20/98		3	1 <i>Zosterella dubia</i>	water stargrass	4	1.5		
	8/17-20/98		3	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	3.8		
	8/17-20/98		3	1 <i>Elodea canadensis</i>	common waterweed	10	12.3		
	8/17-20/98		3	1 <i>Vallisneria americana</i>	wild celery	17	7.4		
	8/17-20/98		3	2 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	4.8		
	8/17-20/98		3	2 <i>Vallisneria americana</i>	wild celery	26	10.1		
	8/17-20/98		3	2 <i>Zosterella dubia</i>	water stargrass	3	1.7		
	8/17-20/98		3	2 <i>Elodea canadensis</i>	common waterweed	3	2		
	8/17-20/98		3	3 <i>Zosterella dubia</i>	water stargrass	3	0.5		
	8/17-20/98		3	3 <i>Potamogeton robbinsii</i>	Robbins pondweed	2	2.5		
	8/17-20/98		3	3 <i>Ceratophyllum demersum</i>	coontail	1	1.6		
	8/17-20/98		3	3 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	3.6	3.6	
	8/17-20/98		3	3 <i>Elodea canadensis</i>	common waterweed	7	5		
	8/17-20/98		3	3 <i>Vallisneria americana</i>	wild celery	4	1.5		
	8/17-20/98		3	4 <i>Ranunculus spp.</i>	water crowfoot	3	0.7		
	8/17-20/98		3	4 <i>Zosterella dubia</i>	water stargrass	6	2.1		
	8/17-20/98		3	4 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	6	10		
	8/17-20/98		3	4 <i>Elodea canadensis</i>	common waterweed	6	3.1		
	8/17-20/98		3	4 <i>Vallisneria americana</i>	wild celery	24	4.2		
	8/17-20/98		3	5 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	5.4		
	8/17-20/98		3	5 <i>Vallisneria americana</i>	wild celery	8	3.9		
	8/17-20/98		3	5 <i>Ceratophyllum demersum</i>	coontail	1	1.6	1.5	
	8/17-20/98		3	6 <i>Vallisneria americana</i>	wild celery	16	8.1		
	8/17-20/98		3	6 <i>Zosterella dubia</i>	water stargrass	11	1.7		
	8/17-20/98		3	6 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	0.2		
	8/17-20/98		3	6 <i>Ceratophyllum demersum</i>	coontail	1	1.1		
	8/17-20/98		3	6 <i>Ranunculus spp.</i>	water crowfoot	5	4.1		
	8/17-20/98		3	7 <i>Ceratophyllum demersum</i>	coontail	15	25.6		
	8/17-20/98		3	7 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	1.8		
	8/17-20/98		3	8 <i>Myriophyllum exalbascens</i>	northern water milfoil	2	0.6		
	8/17-20/98		3	8 <i>Ceratophyllum demersum</i>	coontail	1	0.2		

Harvesting		Station	Species	Common Name	No. of Stems	Dry Weight		Duplicate 'Dried Twice	
Sample Date	Plot					Grams	Grams	Grams	Grams
8/17-20/98	3	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	8				1.6
8/17-20/98	3	8	<i>Elodea canadensis</i>	common waterweed	3				1.3
8/17-20/98	3	8	<i>Vallisneria americana</i>	wild celery	5				5.2
8/17-20/98	3	8	<i>Zosterella dubia</i>	water stargrass	13				3.1
8/17-20/98	3	8	<i>Potamogeton robbinsii</i>	Robbins pondweed	5				3.3
8/17-20/98	3	9	<i>Vallisneria americana</i>	wild celery	15				8.2
8/17-20/98	3	9	<i>Myriophyllum exalbascens</i>	northern water milfoil	1				0.5
8/17-20/98	3	9	<i>Ceratophyllum demersum</i>	coontail	1				6.3
8/17-20/98	3	9	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	9				13.4
8/17-20/98	3	9	<i>Potamogeton robbinsii</i>	Robbins pondweed	6				4.2
8/17-20/98	3	10	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5				4
8/17-20/98	3	10	<i>Potamogeton robbinsii</i>	Robbins pondweed	3				2.2
8/17-20/98	3	10	<i>Zosterella dubia</i>	water stargrass	14				5.3
8/17-20/98	3	10	<i>Vallisneria americana</i>	wild celery	6				6.5

*Appendix A-6*

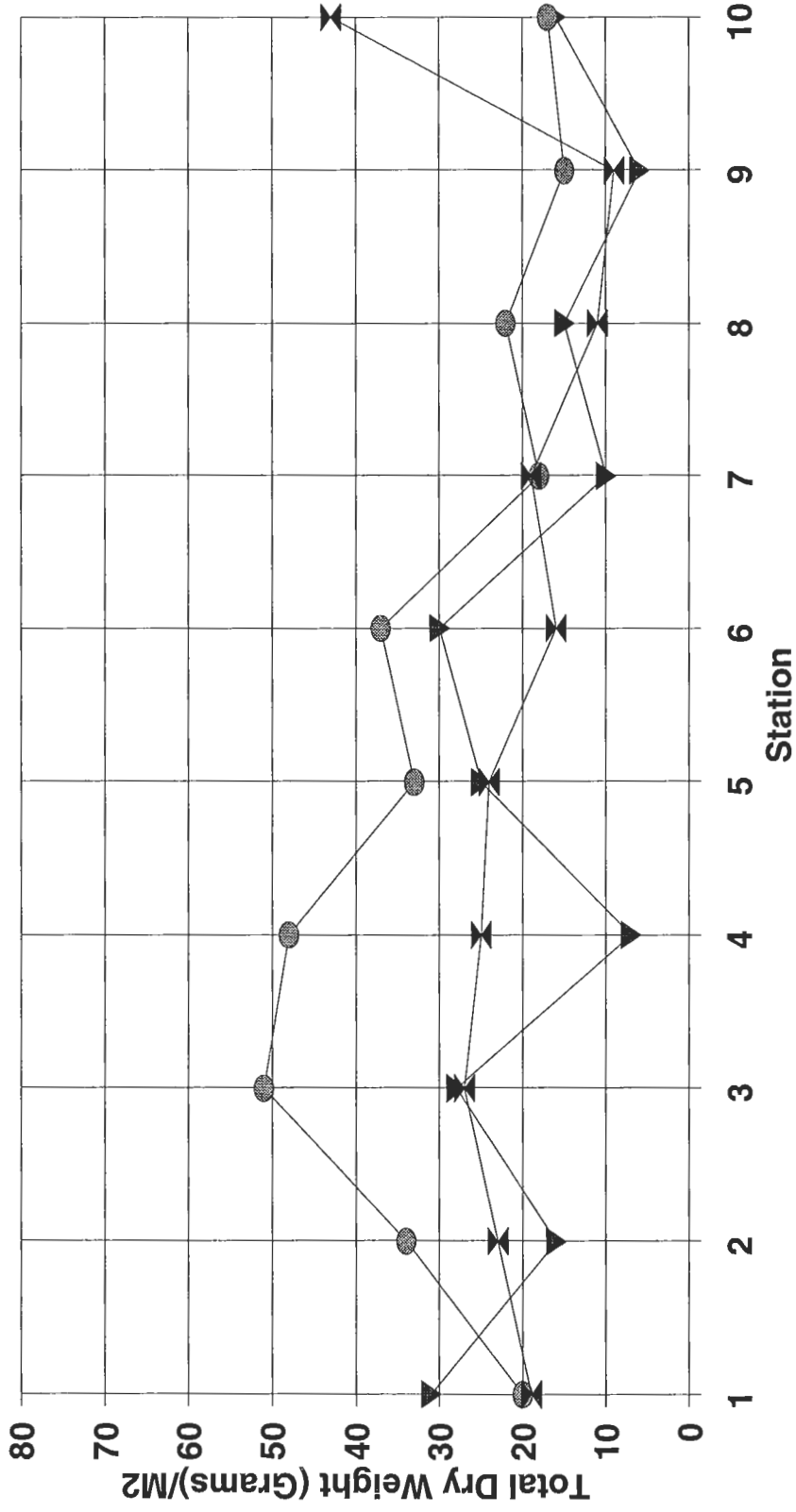
**Harvesting Plot 7**

# Big Lake Macrophyte Pilot Project 1998 Harvesting Plot 7 By Station





# Big Lake Macrophyte Pilot Project 1998 Harvesting Plot 7 By Station



Big Lake Pilot Program  
 1998 Monitoring Results from Harvesting Plot 7  
 Harvesting  
 Plot 7

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Grams	Duplicate Wt.	Dried Twice
5/4-6/98	7	1	<i>Zosterella dubia</i>	water stargrass	1	0.0694		
5/4-6/98	7	1	<i>Ranunculus spp.</i>	water crowfoot	6	0.36		
5/4-6/98	7	1	<i>Potamogeton amplifolius</i>	large-leaf pondweed	3	1.85		
5/4-6/98	7	1	<i>Elodea canadensis</i>	common waterweed	14	3.85		
5/4-6/98	7	1	<i>Potamogeton crispus</i>	curly-leaf pondweed	3	0.29		
5/4-6/98	7	1	<i>Ceratophyllum demersum</i>	coontail	1	0.1475		
5/46/98	7	1	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	0.34		
5/4-6/98	7	2	<i>Potamogeton amplifolius</i>	large-leaf pondweed	2	1.19		
5/4-6/98	7	2	<i>Ceratophyllum demersum</i>	coontail	1	3.1		
5/4-6/98	7	2	<i>Zosterella dubia</i>	water stargrass	4	0.41		
5/4-6/98	7	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	9	1.69		
5/4-6/98	7	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	0.85		
5/4-6/98	7	3	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	0.58		
5/4-6/98	7	3	<i>Zosterella dubia</i>	water stargrass	10	0.52		
5/4-6/98	7	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	2	0.14		
5/4-6/98	7	3	<i>Potamogeton spp.</i>	narrow-leaf pondweed	10	0.35		
5/4-6/98	7	4	<i>Potamogeton amplifolius</i>	large-leaf pondweed	6	1.01		
5/4-6/98	7	4	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.11		
5/4-6/98	7	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	11	2.32		
5/4-6/98	7	5	<i>Potamogeton amplifolius</i>	large-leaf pondweed	1	0.81		
5/4-6/98	7	5	<i>Ceratophyllum demersum</i>	coontail	5	6.13		
5/4-6/98	7	5	<i>Myriophyllum exalbascens</i>	northern water milfoil	5	2.24		
5/4-6/98	7	5	<i>Elodea canadensis</i>	common waterweed	1	0.11		
5/4-6/98	7	5	<i>Potamogeton crispus</i>	curly-leaf pondweed	2	0.0918		
5/4-6/98	7	6	<i>Zosterella dubia</i>	water stargrass	14	2.78		
5/4-6/98	7	6	<i>Elodea canadensis</i>	common waterweed	1	0.0852		
5/4-6/98	7	6	<i>Potamogeton crispus</i>	curly-leaf pondweed	2	0.21		
5/4-6/98	7	6	<i>Ceratophyllum demersum</i>	coontail	1	0.54		
5/4-6/98	7	6	<i>Potamogeton spp.</i>	narrowleaf pond weed	3	0.0709		

Harvesting  
Plot 7

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
5/4-6/98		7	6 <i>Ranunculus</i> spp.	water crowfoot	1	0.0468		
5/4-6/98		7	6 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	1.51		
5/4-6/98		7	7 <i>Ceratophyllum demersum</i>	coontail	10	42.29		
5/4-6/98		7	8 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	2.29		
5/4-6/98		7	8 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.0496		
5/4-6/98		7	8 <i>Potamogeton crispus</i>	curly-leaf pondweed	2	0.0902		
5/4-6/98		7	8 <i>Ceratophyllum demersum</i>	coontail	8	25.77		
5/4-6/98		7	8 <i>Ceratophyllum demersum</i>	coontail	2	7.24		
5/4-6/98		7	9 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	0.72		
5/4-6/98		7	9 <i>Potamogeton crispus</i>	curly-leaf pondweed	2	0.16		0.18
5/4-6/98		7	9 <i>Potamogeton</i> sp.	narrowleaf pond weed	too many ++	1.61		
5/4-6/98		7	10 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	0.58		0.56
5/4-6/98		7	10 <i>Ceratophyllum demersum</i>	coontail	12	48.91		
6/24-26/98		7	1 <i>Ceratophyllum demersum</i>	coontail	1	1.38		
6/24-26/98		7	1 <i>Elodea canadensis</i>	common waterweed	15	4.18		
6/24-26/98		7	1 <i>Potamogeton</i> spp.	narrowleaf pond weed	1	0.0213		
6/24-26/98		7	1 <i>Vallisneria americana</i>	wild celery	2	0.32		0.28
6/24-26/98		7	1 <i>Zosterella dubia</i>	water stargrass	1	0.0233		
6/24-26/98		7	2 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.15		
6/24-26/98		7	2 <i>Ranunculus</i> spp.	water crowfoot	1	0.041		
6/24-26/98		7	2 <i>Vallisneria americana</i>	wild celery	1	0.18		
6/24-26/98		7	2 <i>Zosterella dubia</i>	water stargrass	4	0.1025		
6/24-26/98		7	2 <i>Ceratophyllum demersum</i>	coontail	1	0.26		
6/24-26/98		7	2 <i>Elodea canadensis</i>	common waterweed	7	1.09		
6/24-26/98		7	2 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	4.21		
6/24-26/98		7	2 <i>Potamogeton amplifolius</i>	large-leaf pondweed	11	7.29		
6/24-26/98		7	3 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	11	4.47		
6/24-26/98		7	3 <i>Potamogeton crispus</i>	curly-leaf pondweed	2	0.0567		
6/24-26/98		7	3 <i>Zosterella dubia</i>	water stargrass	7	0.25		0.29
6/24-26/98		7	3 <i>Vallisneria americana</i>	wild celery	20	3.69		3.66

Harvesting  
Plot 7

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
6/24-26/98	7	3	<i>Potamogeton amplifolius</i>	large-leaf pondweed	11	11.03		
6/24-26/98	7	4	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.68		
6/24-26/98	7	4	<i>Ceratophyllum demersum</i>	coontail	1	0.0676		
6/24-26/98	7	4	<i>Vallisneria americana</i>	wild celery	31	3.08		
6/24-26/98	7	4	<i>Potamogeton amplifolius</i>	large-leaf pondweed	14	15.09		
6/24-26/98	7	5	<i>Vallisneria americana</i>	wild celery	8	1		
6/24-26/98	7	5	<i>Ceratophyllum demersum</i>	coontail	2	0.1481		
6/24-26/98	7	5	<i>Myriophyllum exalbascens</i>	northern water milfoil	8	4.37		
6/24-26/98	7	5	<i>Potamogeton amplifolius</i>	large-leaf pondweed	1	2.53		
6/24-26/98	7	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	14	6.37		
6/24-26/98	7	5	<i>Potamogeton spp.</i>	narrowleaf pond weed		7.36		
6/24-26/98	7	6	<i>Ceratophyllum demersum</i>	coontail	4	4.09		
6/24-26/98	7	6	<i>Potamogeton spp.</i>	narrowleaf pond weed	3	0.84		
6/24-26/98	7	6	<i>Potamogeton crispus</i>	curly-leaf pondweed	5	1.3		
6/24-26/98	7	6	<i>Vallisneria americana</i>	wild celery	1	0.0615		
6/24-26/98	7	6	<i>Zosterella dubia</i>	water stargrass	8	0.6		
6/24-26/98	7	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	9	7.13		7.01
6/24-26/98	7	6	<i>Potamogeton amplifolius</i>	large-leaf pondweed	7	10.61		
6/24-26/98	7	7	<i>Ceratophyllum demersum</i>	coontail	10	17.3		
6/24-26/98	7	7	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	2.76		
6/24-26/98	7	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	7	3		
6/24-26/98	7	7	<i>Potamogeton crispus</i>	curly-leaf pondweed		0.0625		
6/24-26/98	7	8	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.32		
6/24-26/98	7	8	<i>Ceratophyllum demersum</i>	coontail	5	13.09		
6/24-26/98	7	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	16	11.3		
6/24-26/98	7	9	<i>Ceratophyllum demersum</i>	coontail	4	7		
6/24-26/98	7	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	11	10.19		
6/24-26/98	7	10	<i>Elodea canadensis</i>	common waterweed	3	0.58		0.55
6/24-26/98	7	10	<i>Myriophyllum exalbascens</i>	northern water milfoil	6	2.98		
6/24-26/98	7	10	<i>Ceratophyllum demersum</i>	coontail	2	6.48		
6/24-26/98	7	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	9	10.32		9.68

Harvesting  
Plot 7

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
8/17-20/98	7	1	<i>Vallisneria americana</i>	wild celery	6	4.2		
8/17-20/98	7	1	<i>Elodea canadensis</i>	common waterweed	9	5.3		
8/17-20/98	7	1	<i>Zosterella dubia</i>	water stargrass	4	0.5		
8/17-20/98	7	2	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	11	10.1		
8/17-20/98	7	2	<i>Elodea canadensis</i>	common waterweed	7	3.2		
8/17-20/98	7	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.1		
8/17-20/98	7	2	<i>Vallisneria americana</i>	wild celery	2	1.1		
8/17-20/98	7	2	<i>Potamogeton crispus</i>	curly-leaf pondweed	0			
8/17-20/98	7	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.3		
8/17-20/98	7	2	<i>Ceratophyllum demersum</i>	coontail	1	0.7		
8/17-20/98	7	3	<i>Vallisneria americana</i>	wild celery	11	4.2		
8/17-20/98	7	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	12	10.9	10.8	
8/17-20/98	7	3	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	1		
8/17-20/98	7	3	<i>Ceratophyllum demersum</i>	coontail	1	1.1		
8/17-20/98	7	3	<i>Zosterella dubia</i>	water stargrass	1	0.4		
8/17-20/98	7	4	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	8	12.3		
8/17-20/98	7	4	<i>Vallisneria americana</i>	wild celery	17	6.6		
8/17-20/98	7	5	<i>Vallisneria americana</i>	wild celery	14	7.3		
8/17-20/98	7	5	<i>Ceratophyllum demersum</i>	coontail	1	1.9		
8/17-20/98	7	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	4		
8/17-20/98	7	5	<i>Potamogeton zosteriformis</i>	northern water milfoil	6	5	4.8	
8/17-20/98	7	6	<i>Myriophyllum exalbascens</i>	wild celery	3	2.1		
8/17-20/98	7	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	5		
8/17-20/98	7	6	<i>Ranunculus spp.</i>	water crowfoot	5	4.7		
8/17-20/98	7	6	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	4.9		
8/17-20/98	7	7	<i>Ceratophyllum demersum</i>	coontail	8	29.2		
8/17-20/98	7	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	11	6.6		
8/17-20/98	7	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	3.9		
8/17-20/98	7	8	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	2.7	2.4	
8/17-20/98	7	8	<i>Ceratophyllum demersum</i>	coontail	4	17.5		

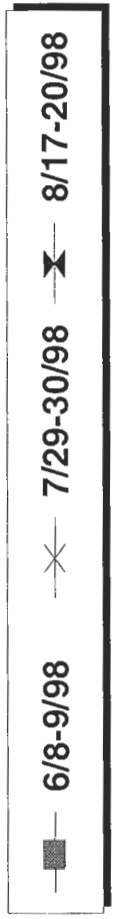
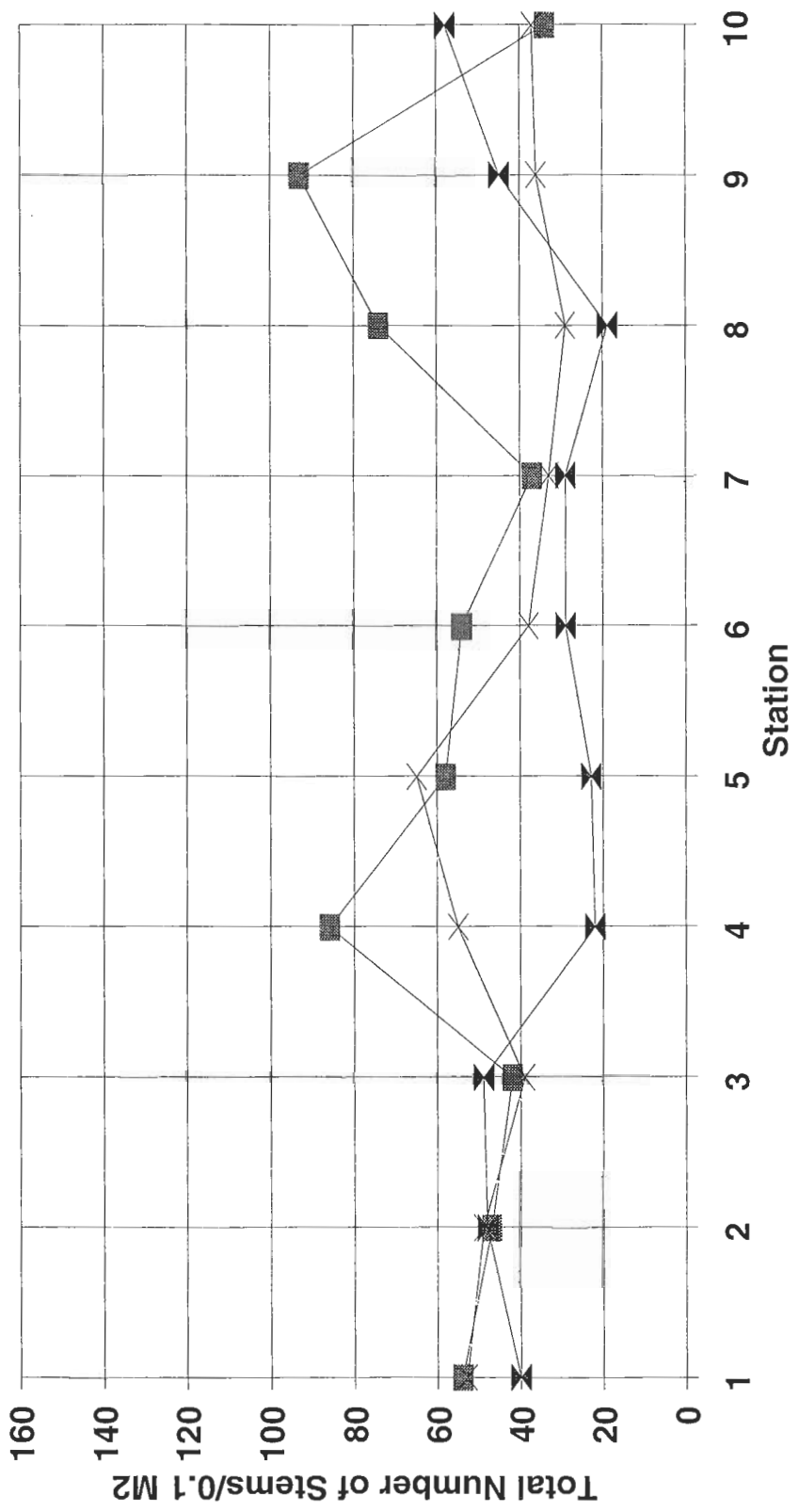
Harvesting  
Plot 7

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
8/17-20/98		7	9	<i>Ceratophyllum demersum</i>	3	1.9		
8/17-20/98		7	9	<i>Potamogeton richardsonii</i>	6	7		7.2
8/17-20/98		7	10	<i>Ceratophyllum demersum</i>	1	2.1		
8/17-20/98		7	10	<i>Potamogeton zosteriformis</i>	7	2.4		
8/17-20/98		7	10	<i>Elodea canadensis</i>	15	5.3		
8/17-20/98		7	10	<i>Vallisneria americana</i>	11	10.1		
8/17-20/98		7	10	<i>Potamogeton pectinatus</i>	9	1.5		
				coontail				
				clasping-leaf pondweed				
				coontail				
				flat-stem pondweed				
				common waterweed				
				wild celery				
				sago pondweed				

*Appendix A-7*

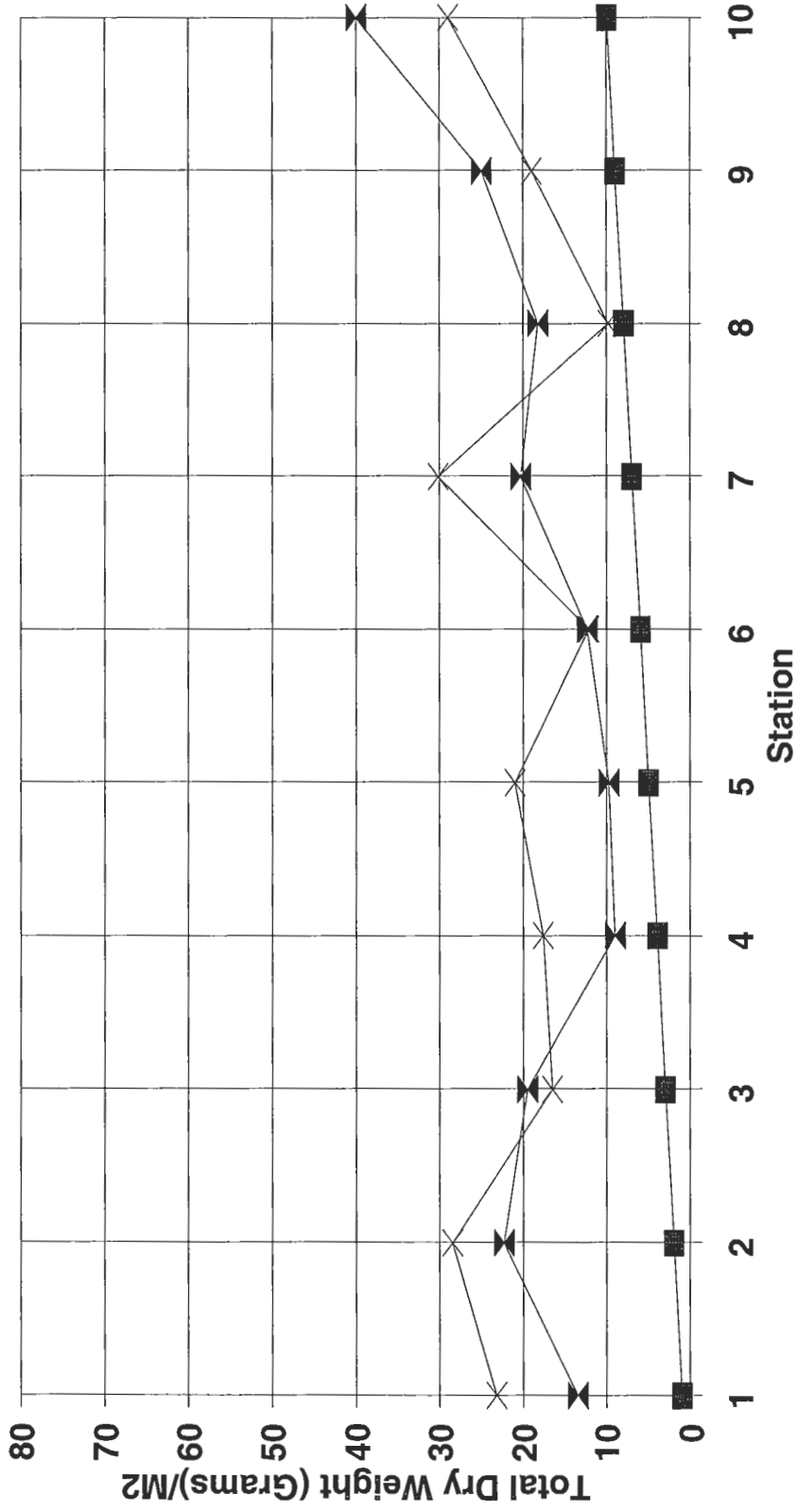
**Lime Slurry Plot 1**

# Big Lake Macrophyte Pilot Project 1998 Lime Slurry Plot 1 By Station





# Big Lake Macrophyte Pilot Project 1998 Lime Slurry Plot 1 By Station



Big Lake Pilot Program  
1998 Monitoring Results from Lime Slurry Plot 1  
Lime Slurry

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
6/8-9/98		1	1 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	24	7.81		
6/8-9/98		1	1 <i>Potamogeton crispus</i>	curly-leaf pondweed	9	0.84	0.81	
6/8-9/98		1	1 <i>Elodea canadensis</i>	common waterweed	11	0.54		
6/8-9/98		1	1 <i>Ceratophyllum demersum</i>	coontail	1	0.46	0.45	
6/8-9/98		1	1 <i>Myriophyllum exalbascens</i>	northern water milfoil	6	1.91		
6/8-9/98		1	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	2.77	2.69	
6/8-9/98		1	1 <i>Potamogeton robbinsii</i>	Robbins pondweed	1	0.31	0.3	
6/8-9/98		1	1 <i>Zosterella dubia</i>	water stargrass	1	0.0121		
6/8-9/98		1	2 <i>Vallisneria americana</i>	wild celery	6	0.93	0.83	
6/8-9/98		1	2 <i>Zosterella dubia</i>	water stargrass	26	1.77	1.72	
6/8-9/98		1	2 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.0161		
6/8-9/98		1	2 <i>Myriophyllum exalbascens</i>	northern water milfoil	2	0.6		
6/8-9/98		1	2 <i>Potamogeton robbinsii</i>	Robbins pondweed	2	0.23		
6/8-9/98		1	2 <i>Potamogeton amplifolius</i>	large-leaf pondweed	7	10.4	10.61	
6/8-9/98		1	2 <i>Potamogeton spp.</i>	narrow-leaf pondweed	3	0.1374		
6/8-9/98		1	3 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	11	2.42	2.38	
6/8-9/98		1	3 <i>Ceratophyllum demersum</i>	coontail	1	0.79		
6/8-9/98		1	3 <i>Zosterella dubia</i>	water stargrass	4	0.25	0.24	
6/8-9/98		1	3 <i>Elodea canadensis</i>	common waterweed	5	1.26		
6/8-9/98		1	3 <i>Potamogeton robbinsii</i>	Robbins pondweed	7	2.12	2.1	
6/8-9/98		1	3 <i>Vallisneria americana</i>	wild celery	7	0.34		
6/8-9/98		1	3 <i>Myriophyllum exalbascens</i>	northern water milfoil	4	3.56		
6/8-9/98		1	3 <i>Potamogeton amplifolius</i>	large-leaf pondweed	3	4.35		
6/8-9/98		1	4 <i>Zosterella dubia</i>	water stargrass	74	3.54		
6/8-9/98		1	4 <i>Vallisneria americana</i>	wild celery	3	0.1454		
6/8-9/98		1	4 <i>Potamogeton spp.</i>	narrow-leaf pondweed	3	0.0895		
6/8-9/98		1	4 <i>Ceratophyllum demersum</i>	coontail	1	0.0548		
6/8-9/98		1	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.072		
6/8-9/98		1	4 <i>Potamogeton amplifolius</i>	large-leaf pondweed	4	5.96		
6/8-9/98		1	5 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	27	7.45		

Lime Slurry

Plot 1

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
6/8-9/98		1	5 <i>Potamogeton crispus</i>	curly-leaf pondweed	3	0.0902		
6/8-9/98		1	5 <i>Zosterella dubia</i>	water stargrass	4	0.15		
6/8-9/98		1	5 <i>Ceratophyllum demersum</i>	coontail	3	3.17		
6/8-9/98		1	5 <i>Elodea canadensis</i>	common waterweed	5	0.45		
6/8-9/98		1	5 <i>Vallisneria americana</i>	wild celery	6	0.6		
6/8-9/98		1	5 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	0.76		
6/8-9/98		1	5 <i>Myriophyllum exalbascens</i>	northern water milfoil	8	8.33		
6/8-9/98		1	6 <i>Zosterella dubia</i>	water stargrass	1	0.043		
6/8-9/98		1	6 <i>Sagittaria spp.</i>	arrowhead	29	0.19		
6/8-9/98		1	6 <i>Vallisneria americana</i>	wild celery	13	0.8		
6/8-9/98		1	6 <i>Potamogeton amplifolius</i>	large-leaf pondweed	10	8.45		
6/8-9/98		1	6 <i>Chara vulgaris</i>	muskgrass	1	0.0284		
6/8-9/98		1	7 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	16	3.01		
6/8-9/98		1	7 <i>Vallisneria americana</i>	wild celery	5	0.4		
6/8-9/98		1	7 <i>Elodea canadensis</i>	common waterweed	3	0.13		
6/8-9/98		1	7 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	6	5.81		
6/8-9/98		1	7 <i>Myriophyllum exalbascens</i>	northern water milfoil	7	6.09		
6/8-9/98		1	8 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	8	3.76		
6/8-9/98		1	8 <i>Potamogeton robbinsii</i>	Robbins pondweed	2	0.55		
6/8-9/98		1	8 <i>Zosterella dubia</i>	water stargrass	60	2.78		
6/8-9/98		1	8 <i>Ceratophyllum demersum</i>	coontail	1	3.75		
6/8-9/98		1	8 <i>Vallisneria americana</i>	wild celery	2	0.3		
6/8-9/98		1	8 <i>Elodea canadensis</i>	common waterweed	1	0.13		
6/8-9/98		1	9 <i>Myriophyllum exalbascens</i>	northern water milfoil	8	5.16		
6/8-9/98		1	9 <i>Vallisneria americana</i>	wild celery	4	0.36		
6/8-9/98		1	9 <i>Elodea canadensis</i>	common waterweed	5	0.56		
6/8-9/98		1	9 <i>Potamogeton robbinsii</i>	Robbins pondweed	2	0.6		
6/8-9/98		1	9 <i>Ceratophyllum demersum</i>	coontail	3	3.34		
6/8-9/98		1	9 <i>Myriophyllum exalbascens</i>	northern water milfoil	15	10.67		
6/8-9/98		1	9 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	13	1.91		
6/8-9/98		1	9 <i>Zosterella dubia</i>	water stargrass	43	2.18		

## Lime Slurry

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
6/8-9/98	1	10	<i>Ranunculus spp.</i>	water crowfoot	7	2.73		
6/8-9/98	1	10	<i>Zosterella dubia</i>	water stargrass	5	0.27		
6/8-9/98	1	10	<i>Vallisneria americana</i>	wild celery	2	0.27		
6/8-9/98	1	10	<i>Elodea canadensis</i>	common waterweed	1	0.0855		
6/8-9/98	1	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.58		
6/8-9/98	1	10	<i>Ceratophyllum demersum</i>	coontail	1	3.75		
6/8-9/98	1	10	<i>Potamogeton amplifolius</i>	large-leaf pondweed	13	15.71		
6/8-9/98	1	10	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	4.63		
7/29-30/98	1	1	<i>Ceratophyllum demersum</i>	coontail	4	7.09	7.12	
7/29-30/98	1	1	<i>Elodea canadensis</i>	common waterweed	14	2.36		
7/29-30/98	1	1	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	0.74	0.71	
7/29-30/98	1	1	<i>Myriophyllum exalbascens</i>	northern water milfoil	3	2.94		
7/29-30/98	1	1	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	19	7.37		
7/29-30/98	1	1	<i>Vallisneria americana</i>	wild celery	11	2.72		
7/29-30/98	1	2	<i>Elodea canadensis</i>	common waterweed	2	0.22		
7/29-30/98	1	2	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	15	17.56		
7/29-30/98	1	2	<i>Ceratophyllum demersum</i>	coontail	1	0.71		
7/29-30/98	1	2	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.76	0.74	
7/29-30/98	1	2	<i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.18		
7/29-30/98	1	2	<i>Zosterella dubia</i>	water stargrass	15	5.41	5.4	
7/29-30/98	1	2	<i>Vallisneria americana</i>	wild celery	14	3.68		
7/29-30/98	1	3	<i>Ceratophyllum demersum</i>	coontail	1	0.35		
7/29-30/98	1	3	<i>Zosterella dubia</i>	water stargrass	14	3.01		
7/29-30/98	1	3	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	8.15		
7/29-30/98	1	3	<i>Elodea canadensis</i>	common waterweed	14	1.92		
7/29-30/98	1	3	<i>Vallisneria americana</i>	wild celery	2	0.36		
7/29-30/98	1	3	<i>Myriophyllum exalbascens</i>	northern water milfoil	4	2.73		
7/29-30/98	1	4	<i>Vallisneria americana</i>	wild celery	11	1.38		
7/29-30/98	1	4	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	14	9.55		
7/29-30/98	1	4	<i>Zosterella dubia</i>	water stargrass	27	5.43		
7/29-30/98	1	4	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	3	1.25		

## Lime Slurry

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
7/29-30/98	1	5	<i>Myriophyllum exalbascens</i>	northern water milfoil	7	3.04		
7/29-30/98	1	5	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	28	11.75		
7/29-30/98	1	5	<i>Vallisneria americana</i>	wild celery	11	1.8		
7/29-30/98	1	5	<i>Elodea canadensis</i>	common waterweed	7	1.83		
7/29-30/98	1	5	<i>Ceratophyllum demersum</i>	coontail	1	0.33		
7/29-30/98	1	5	<i>Zosterella dubia</i>	water stargrass	11	1.75		
7/29-30/98	1	6	<i>Vallisneria americana</i>	wild celery	22	2.2		
7/29-30/98	1	6	<i>Elodea canadensis</i>	common waterweed	1	0.41		
7/29-30/98	1	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.25		
7/29-30/98	1	6	<i>Potamogeton amplifolius</i>	large-leaf pondweed	10	8.78		
7/29-30/98	1	6	<i>Najas flexilis</i>	bushy pondweed	4	0.49		
7/29-30/98	1	7	<i>Myriophyllum exalbascens</i>	northern water milfoil	21	23.88		
7/29-30/98	1	7	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	6	3.26		
7/29-30/98	1	7	<i>Vallisneria americana</i>	wild celery	6	3.02		
7/29-30/98	1	8	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	7	3.45		
7/29-30/98	1	8	<i>Myriophyllum exalbascens</i>	northern water milfoil	3	1.72		
7/29-30/98	1	8	<i>Vallisneria americana</i>	wild celery	2	0.26	0.23	
7/29-30/98	1	8	<i>Ceratophyllum demersum</i>	coontail	2	2.17		
7/29-30/98	1	8	<i>Elodea canadensis</i>	common waterweed	6	1.08		
7/29-30/98	1	8	<i>Zosterella dubia</i>	water stargrass	9	1.16		
7/29-30/98	1	9	<i>Vallisneria americana</i>	wild celery	2	0.87		
7/29-30/98	1	9	<i>Zosterella dubia</i>	water stargrass	16	3.26		
7/29-30/98	1	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	1.13		
7/29-30/98	1	9	<i>Elodea canadensis</i>	common waterweed	5	1.67		
7/29-30/98	1	9	<i>Myriophyllum exalbascens</i>	northern water milfoil	11	12.04	11.98	
7/29-30/98	1	10	<i>Zosterella dubia</i>	water stargrass	7	2.2	2.21	
7/29-30/98	1	10	<i>Ceratophyllum demersum</i>	coontail	1	0.89		
7/29-30/98	1	10	<i>Vallisneria americana</i>	wild celery	8	2.31		
7/29-30/98	1	10	<i>Potamogeton amplifolius</i>	large-leaf pondweed	14	19.47		
7/29-30/98	1	10	<i>Ranunculus spp.</i>	water crowfoot	2	0.46		
7/29-30/98	1	10	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	5	3.66		

Lime Slurry		Plot		Station		Species		Common Name		No. of Stems		Dry Weight		Duplicate		Dried Twice	
Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight	Duplicate	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams
7/29-30/98		1	1	<i>Ceratophyllum demersum</i>		2	2.1		coontail	2	2.1						
8/17-20/98		1	1	<i>Zosterella dubia</i>		4	0.9		water stargrass	4	0.9						
8/17-20/98		1	1	<i>Elodea canadensis</i>		1	0.1171		common waterweed	1	0.1171						
8/17-20/98		1	1	<i>Myriophyllum exalbascens</i>		11	2.3		northern water milfoil	11	2.3				2.4		
8/17-20/98		1	1	<i>Potamogeton zosteriformis</i>		3	1.4		flat-stem pondweed	3	1.4						
8/17-20/98		1	1	<i>Vallisneria americana</i>		19	6.7		wild celery	19	6.7						
8/17-20/98		1	2	<i>Potamogeton robbinsii</i>		3	1.4		Robbins pondweed	3	1.4						
8/17-20/98		1	2	<i>Vallisneria americana</i>		15	5.5		wild celery	15	5.5						
8/17-20/98		1	2	<i>Ceratophyllum demersum</i>		1	0.1		coontail	1	0.1						
8/17-20/98		1	2	<i>Zosterella dubia</i>		14	3.1		water stargrass	14	3.1						
8/17-20/98		1	2	<i>Potamogeton richardsonii</i>		15	12.2		claspig-leaf pondweed	15	12.2						
8/17-20/98		1	3	<i>Potamogeton richardsonii</i>		8	7.6		claspig-leaf pondweed	8	7.6						
8/17-20/98		1	3	<i>Ceratophyllum demersum</i>		2	1		coontail	2	1						
8/17-20/98		1	3	<i>Elodea canadensis</i>		13	4.9		common waterweed	13	4.9						
8/17-20/98		1	3	<i>Zosterella dubia</i>		17	3.7		water stargrass	17	3.7						
8/17-20/98		1	3	<i>Potamogeton zosteriformis</i>		1	0.9		flat-stem pondweed	1	0.9						
8/17-20/98		1	3	<i>Vallisneria americana</i>		8	1.4		wild celery	8	1.4						
8/17-20/98		1	4	<i>Potamogeton richardsonii</i>		7	5.8		claspig-leaf pondweed	7	5.8				5.8		
8/17-20/98		1	4	<i>Vallisneria americana</i>		4	0.5		wild celery	4	0.5						
8/17-20/98		1	4	<i>Potamogeton zosteriformis</i>		1	0.7		flat-stem pondweed	1	0.7						
8/17-20/98		1	4	<i>Potamogeton pectinalis</i>		10	2		sago pondweed	10	2						
8/17-20/98		1	5	<i>Vallisneria americana</i>		4	1.8		wild celery	4	1.8						
8/17-20/98		1	5	<i>Zosterella dubia</i>		9	1.7		water stargrass	9	1.7						
8/17-20/98		1	5	<i>Ceratophyllum demersum</i>		5	4.3		coontail	5	4.3						
8/17-20/98		1	5	<i>Elodea canadensis</i>		2	0.3		common waterweed	2	0.3						
8/17-20/98		1	5	<i>Potamogeton richardsonii</i>		1	0.9		claspig-leaf pondweed	1	0.9						
8/17-20/98		1	5	<i>Myriophyllum exalbascens</i>		2	0.8		northern water milfoil	2	0.8						
8/17-20/98		1	6	<i>Elodea canadensis</i>		1	0.1936		common waterweed	1	0.1936						
8/17-20/98		1	6	<i>Vallisneria americana</i>		19	3.9		wild celery	19	3.9						
8/17-20/98		1	6	<i>Potamogeton richardsonii</i>		9	8.3		claspig-leaf pondweed	9	8.3						
8/17-20/98		1	7	<i>Potamogeton richardsonii</i>		3	2.7		claspig-leaf pondweed	3	2.7						

## Lime Slurry

## Plot 1

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Grams	Dried Twice Grams
8/17-20/98		1	7 <i>Ceratophyllum demersum</i>	coontail	5	4.2		
8/17-20/98		1	7 <i>Myriophyllum exalbascens</i>	northern water milfoil	3	4.6		
8/17-20/98		1	7 <i>Vallisneria americana</i>	wild celery	8	3.4		
8/17-20/98		1	7 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	10	5.4		
8/17-20/98		1	8 <i>Ceratophyllum demersum</i>	coontail	5	13.7		
8/17-20/98		1	8 <i>Potamogeton robbinsii</i>	Robbins pondweed	2	0.5		
8/17-20/98		1	8 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	1.2		
8/17-20/98		1	8 <i>Vallisneria americana</i>	wild celery	6	1		
8/17-20/98		1	8 <i>Elodea canadensis</i>	common waterweed	2	0.7		
8/17-20/98		1	8 <i>Potamogeton pectinalis</i>	sago pondweed	3	1.1		
8/17-20/98		1	9 <i>Potamogeton robbinsii</i>	Robbins pondweed	4	2.3		
8/17-20/98		1	9 <i>Ceratophyllum demersum</i>	coontail	2	3.2		
8/17-20/98		1	9 <i>Myriophyllum exalbascens</i>	northern water milfoil	12	10.2		
8/17-20/98		1	9 <i>Zosterella dubia</i>	water stargrass	14	2.5		
8/17-20/98		1	9 <i>Elodea canadensis</i>	common waterweed	2	0.8	0.8	
8/17-20/98		1	9 <i>Vallisneria americana</i>	wild celery	11	6		
8/17-20/98		1	10 <i>Potamogeton pectinalis</i>	sago pondweed	31	10.7	10.5	
8/17-20/98		1	10 <i>Vallisneria americana</i>	wild celery	4	5.5		
8/17-20/98		1	10 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	1.4		
8/17-20/98		1	10 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	21	22.4		

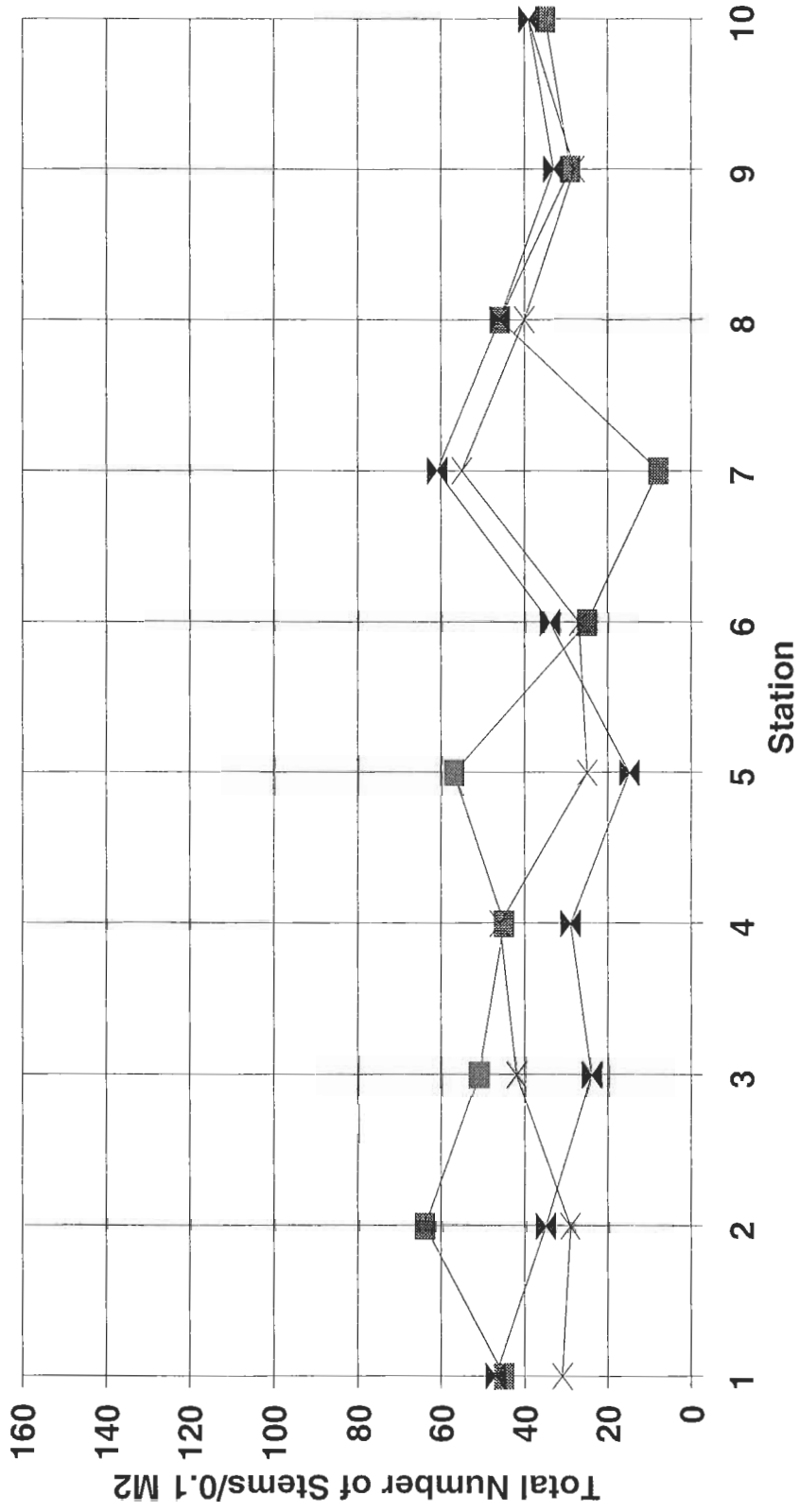
*Appendix A-8*

**Lime Slurry Plot 5**



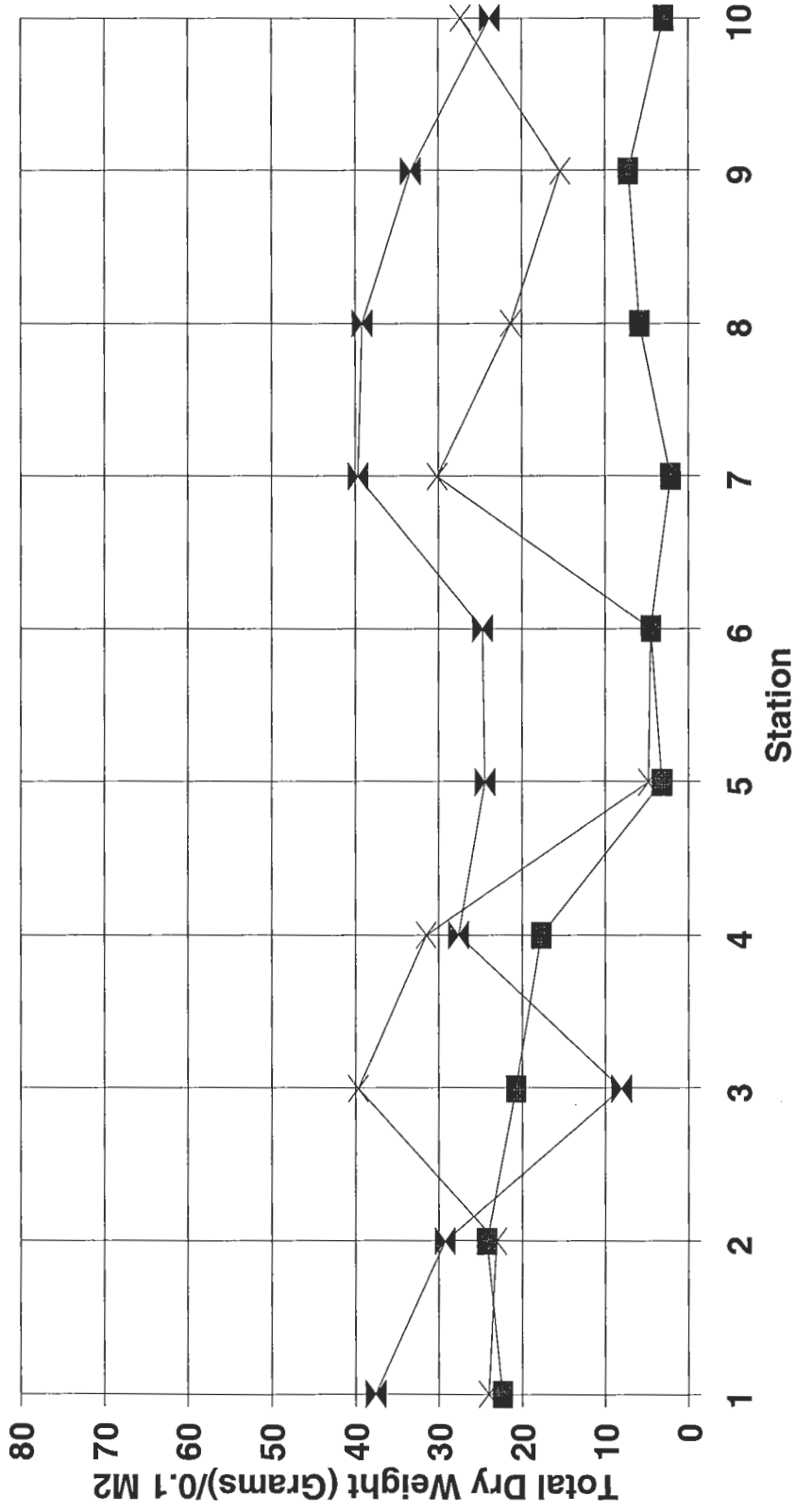
# Big Lake Macrophyte Pilot Project

## 1998 Lime Slurry Plot 5 By Station



# Big Lake Macrophyte Pilot Project

## 1998 Lime Slurry Plot 5 By Station



Big Lake Pilot Program  
1998 Monitoring Results from Lime Slurry Plot 5  
Lime Slurry

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
6/8-9/98		5	1 <i>Vallisneria americana</i>	wild celery	15	0.14		
6/8-9/98		5	1 <i>Zosterella dubia</i>	water stargrass	15	0.74		
6/8-9/98		5	1 <i>Elodea canadensis</i>	common waterweed	1	0.1169		
6/8-9/98		5	1 <i>Ceratophyllum demersum</i>	coontail	11	19.08		
6/8-9/98		5	1 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	2.33		
6/8-9/98		5	2 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.45		
6/8-9/98		5	2 <i>Elodea canadensis</i>	common waterweed	53	8.62		
6/8-9/98		5	2 <i>Ceratophyllum demersum</i>	coontail	3	8.63		
6/8-9/98		5	2 <i>Myriophyllum exalbascens</i>	northern water milfoil	1	0.52		
6/8-9/98		5	2 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	5.9		
6/8-9/98		5	2 <i>Zosterella dubia</i>	water stargrass	4	0.11		
6/8-9/98		5	3 <i>Potamogeton spp.</i>	narrow-leaf pondweed	2	0.0831		
6/8-9/98		5	3 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	4	0.44		
6/8-9/98		5	3 <i>Vallisneria americana</i>	wild celery	6	0.45		
6/8-9/98		5	3 <i>Elodea canadensis</i>	common waterweed	13	1.53		
6/8-9/98		5	3 <i>Zosterella dubia</i>	water stargrass	9	0.31		
6/8-9/98		5	3 <i>Myriophyllum exalbascens</i>	northern water milfoil	9	4.19		
6/8-9/98		5	3 <i>Ceratophyllum demersum</i>	coontail	8	13.74		
6/8-9/98		5	4 <i>Zosterella dubia</i>	water stargrass	5	0.17		
6/8-9/98		5	4 <i>Elodea canadensis</i>	common waterweed	22	2.44	2.37	
6/8-9/98		5	4 <i>Vallisneria americana</i>	wild celery	3	0.41		
6/8-9/98		5	4 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.15		
6/8-9/98		5	4 <i>Ceratophyllum demersum</i>	coontail	5	10.6	10.47	
6/8-9/98		5	4 <i>Potamogeton spp.</i>	narrow-leaf pondweed	5	0.61		
6/8-9/98		5	4 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	4	3.32		
6/8-9/98		5	5 <i>Najas flexilis</i>	bushy pondweed	19	0.25	0.27	
6/8-9/98		5	5 <i>Elodea canadensis</i>	common waterweed	3	0.2	0.18	
6/8-9/98		5	5 <i>Potamogeton spp.</i>	narrow-leaf pondweed	35	2.81	2.72	
6/8-9/98		5	6 <i>Vallisneria americana</i>	wild celery	6	0.71		
6/8-9/98		5	6 <i>Elodea canadensis</i>	common waterweed	7	0.8		

## Lime Slurry

## Plot 5

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
6/8-9/98		5	6 <i>Zosterella dubia</i>	water stargrass	3	0.0998		
6/8-9/98		5	6 <i>Potamogeton crispus</i>	curly-leaf pondweed	2	0.0269		
6/8-9/98		5	6 <i>Ceratophyllum demersum</i>	coontail	2	1.91		
6/8-9/98		5	6 <i>Myriophyllum exalbascens</i>	northern water milfoil	3	0.94		
6/8-9/98		5	6 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.1137		
6/8-9/98		5	7 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	1.87		
6/8-9/98		5	7 <i>Vallisneria americana</i>	wild celery	3	0.32		
6/8-9/98		5	8 <i>Zosterella dubia</i>	water stargrass	15	0.66		
6/8-9/98		5	8 <i>Sagittaria spp.</i>	arrowhead	1	0.0464		
6/8-9/98		5	8 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.35		
6/8-9/98		5	8 <i>Ceratophyllum demersum</i>	coontail	1	0.67		
6/8-9/98		5	8 <i>Elodea canadensis</i>	common waterweed	7	1.27		
6/8-9/98		5	8 <i>Vallisneria americana</i>	wild celery	21	2.93		
6/8-9/98		5	9 <i>Vallisneria americana</i>	wild celery	2	0.2		
6/8-9/98		5	9 <i>Zosterella dubia</i>	water stargrass	13	0.35		
6/8-9/98		5	9 <i>Potamogeton zosteriformis</i>	flat-stem pondweed	1	0.0862		
6/8-9/98		5	9 <i>Elodea canadensis</i>	common waterweed	3	0.16		
6/8-9/98		5	9 <i>Myriophyllum exalbascens</i>	northern water milfoil	4	0.65		
6/8-9/98		5	9 <i>Ceratophyllum demersum</i>	coontail	3	3.5		
6/8-9/98		5	9 <i>Potamogeton richardsonii</i>	clasping-leaf pondweed	3	2.3		
6/8-9/98		5	10 <i>Potamogeton crispus</i>	curly-leaf pondweed	1	0.0149		
6/8-9/98		5	10 <i>Zosterella dubia</i>	water stargrass	12	0.2621		
6/8-9/98		5	10 <i>Elodea canadensis</i>	common waterweed	2	0.19		
6/8-9/98		5	10 <i>Vallisneria americana</i>	wild celery	20	2.54	111.31	
7/29-30/98		5	1 <i>Vallisneria americana</i>	wild celery	5	1.32		
7/29-30/98		5	1 <i>Ceratophyllum demersum</i>	coontail	2	10.33		
7/29-30/98		5	1 <i>Potamogeton robbinsii</i>	Robbins pondweed	7	5.61		
7/29-30/98		5	1 <i>Elodea canadensis</i>	common waterweed	8	4.72		
7/29-30/98		5	1 <i>Zosterella dubia</i>	water stargrass	9	2.06		
7/29-30/98		5	2 <i>Ceratophyllum demersum</i>	coontail	2	10.16		
7/29-30/98		5	2 <i>Elodea canadensis</i>	common waterweed	26	12.8		

## Lime Slurry

## Plot 5

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
7/29-30/98		5	2	<i>Zosterella dubia</i>				
		5	3	<i>Ceratophyllum demersum</i>	1	0.16		
		5	3	<i>Vallisneria americana</i>	4	12.04		
		5	3	<i>Potamogeton zosteriformis</i>	4	2.53		
		5	3	<i>Potamogeton richardsonii</i>	3	3.01		
		5	3	<i>Potamogeton pectinatus</i>	2	1.26		
		5	3	<i>Myriophyllum exalbascens</i>	10	11.38	11.37	
		5	3	<i>Elodea canadensis</i>	3	1.06		
		5	3	<i>Elodea canadensis</i>	16	8.43		
		5	4	<i>Elodea canadensis</i>	13	8.36		
		5	4	<i>Vallisneria americana</i>	1	0.91		
		5	4	<i>Potamogeton richardsonii</i>	2	2.99		
		5	4	<i>Potamogeton zosteriformis</i>	3	2.66		
		5	4	<i>Potamogeton richardsonii</i>	14	12.44		
		5	4	<i>Ceratophyllum demersum</i>	1	1.22		
		5	4	<i>Zosterella dubia</i>	12	2.92		
		5	5	<i>Zosterella dubia</i>	21	4.09		
		5	5	<i>Vallisneria americana</i>	1	0.22		
		5	5	<i>Elodea canadensis</i>	3	0.56		
		5	6	<i>Myriophyllum exalbascens</i>	2	0.26		
		5	6	<i>Elodea canadensis</i>	10	5.34		
		5	6	<i>Ceratophyllum demersum</i>	5	15.89		
		5	6	<i>Potamogeton richardsonii</i>	2	0.54	0.54	
		5	6	<i>Zosterella dubia</i>	1	0.25		
		5	6	<i>Vallisneria americana</i>	7	4.43		
		5	7	<i>Zosterella dubia</i>	2	0.38		
		5	7	<i>Ceratophyllum demersum</i>	2	2.29		
		5	7	<i>Potamogeton richardsonii</i>	12	12.01		
		5	7	<i>Elodea canadensis</i>	13	2.63		
		5	7	<i>Vallisneria americana</i>	26	12.9		
		5	8	<i>Najas flexilis</i>	1	0.39		
		5	8	<i>Potamogeton zosteriformis</i>	1	0.1		

## Lime Slurry

## Plot 5

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
7/29-30/98		5	8	<i>Vallisneria americana</i>				
7/29-30/98		5	8	<i>Elodea canadensis</i>	19	11.77		
7/29-30/98		5	9	<i>Vallisneria americana</i>	19	9.12		
7/29-30/98		5	9	<i>Elodea canadensis</i>	11	6.01		
7/29-30/98		5	9	<i>Elodea canadensis</i>	6	1.64		
7/29-30/98		5	9	<i>Zosterella dubia</i>	3	0.74		
7/29-30/98		5	9	<i>Potamogeton spp.</i>	2	0.59		
7/29-30/98		5	9	<i>Potamogeton richardsonii</i>	5	4.83		
7/29-30/98		5	9	<i>Ceratophyllum demersum</i>	1	1.63		
7/29-30/98		5	10	<i>Vallisneria americana</i>	26	18.35		
7/29-30/98		5	10	<i>Najas flexilis</i>	1	0.0158		
7/29-30/98		5	10	<i>Ceratophyllum demersum</i>	1	0.25		
7/29-30/98		5	10	<i>Potamogeton richardsonii</i>	2	3.63		
7/29-30/98		5	10	<i>Elodea canadensis</i>	9	5.14		
8/17-20/98		5	1	<i>Potamogeton zosteriformis</i>	11	7.8		8
8/17-20/98		5	1	<i>Potamogeton robbinsii</i>	17	19.4		
8/17-20/98		5	1	<i>Vallisneria americana</i>	8	2.2		
8/17-20/98		5	1	<i>Ceratophyllum demersum</i>	2	2.7		
8/17-20/98		5	1	<i>Myriophyllum exalbascens</i>	2	0.2		
8/17-20/98		5	1	<i>Elodea canadensis</i>	7	5.3		
8/17-20/98		5	2	<i>Elodea canadensis</i>	28	20.6		
8/17-20/98		5	2	<i>Potamogeton robbinsii</i>	5	4.4		4.5
8/17-20/98		5	2	<i>Potamogeton richardsonii</i>	1	0.6		
8/17-20/98		5	2	<i>Ceratophyllum demersum</i>	1	3.7		
8/17-20/98		5	3	<i>Vallisneria americana</i>	8	3		
8/17-20/98		5	3	<i>Potamogeton richardsonii</i>	2	2.9		
8/17-20/98		5	3	<i>Potamogeton pectinatus</i>	2	0.6		
8/17-20/98		5	3	<i>Ceratophyllum demersum</i>	1	0.1		
8/17-20/98		5	3	<i>Zosterella dubia</i>	11	1.5		
8/17-20/98		5	3	<i>Elodea canadensis</i>	5	1.8		
8/17-20/98		5	4	<i>Potamogeton zosteriformis</i>	5	2.1		
8/17-20/98		5	4	<i>Potamogeton pectinatus</i>	4	0.3		
8/17-20/98		5	4	<i>Ceratophyllum demersum</i>	4	13.6		

## Lime Slurry

## Plot 5

Sample Date	Plot	Station	Species	Common Name	No. of Stems	Dry Weight Grams	Duplicate Wt. Grams	Dried Twice Grams
8/17-20/98	5	4	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	7	6.4		
8/17-20/98	5	4	<i>Vallisneria americana</i>	wild celery	5	3.2		
8/17-20/98	5	4	<i>Elodea canadensis</i>	common waterweed	4	2.1	1.9	
8/17-20/98	5	5	<i>Elodea canadensis</i>	common waterweed	7	2.7		
8/17-20/98	5	5	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	7	5.3		
8/17-20/98	5	5	<i>Ceratophyllum demersum</i>	coontail	1	0.5		
8/17-20/98	5	5	<i>Zosterella dubia</i>	water stargrass		16		
8/17-20/98	5	6	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	2	0.6		
8/17-20/98	5	6	<i>Zosterella dubia</i>	water stargrass	1	0.0427		
8/17-20/98	5	6	<i>Myriophyllum exalbescens</i>	northern water milfoil	1	0.9		
8/17-20/98	5	6	<i>Elodea canadensis</i>	common waterweed	9	7.8		
8/17-20/98	5	6	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	2	0.6		
8/17-20/98	5	6	<i>Vallisneria americana</i>	wild celery	16	8.4		
8/17-20/98	5	6	<i>Ceratophyllum demersum</i>	coontail	3	6.4		
8/17-20/98	5	7	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	7	17.3		
8/17-20/98	5	7	<i>Elodea canadensis</i>	common waterweed	29	15.7		
8/17-20/98	5	7	<i>Najas flexilis</i>	bushy pondweed	11	1.5		
8/17-20/98	5	7	<i>Vallisneria americana</i>	wild celery	14	5.2		
8/17-20/98	5	8	<i>Zosterella dubia</i>	water stargrass	5	1		
8/17-20/98	5	8	<i>Ceratophyllum demersum</i>	coontail	1	3		
8/17-20/98	5	8	<i>Vallisneria americana</i>	wild celery	29	26.5		
8/17-20/98	5	8	<i>Elodea canadensis</i>	common waterweed	11	8.7		
8/17-20/98	5	9	<i>Ceratophyllum demersum</i>	coontail	3	7		
8/17-20/98	5	9	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	5	8.4		
8/17-20/98	5	9	<i>Vallisneria americana</i>	wild celery	13	12.5		
8/17-20/98	5	9	<i>Potamogeton zosteriformis</i>	flat-stem pondweed	11	5.2	5	
8/17-20/98	5	9	<i>Elodea canadensis</i>	common waterweed	1	0.3		
8/17-20/98	5	10	<i>Potamogeton richardsonii</i>	clasping-leaf pondweed	1	2.3		
8/17-20/98	5	10	<i>Vallisneria americana</i>	wild celery	23	13.9		
8/17-20/98	5	10	<i>Elodea canadensis</i>	common waterweed	14	7.3		
8/17-20/98	5	10	<i>Ceratophyllum demersum</i>	coontail	1	0.4		

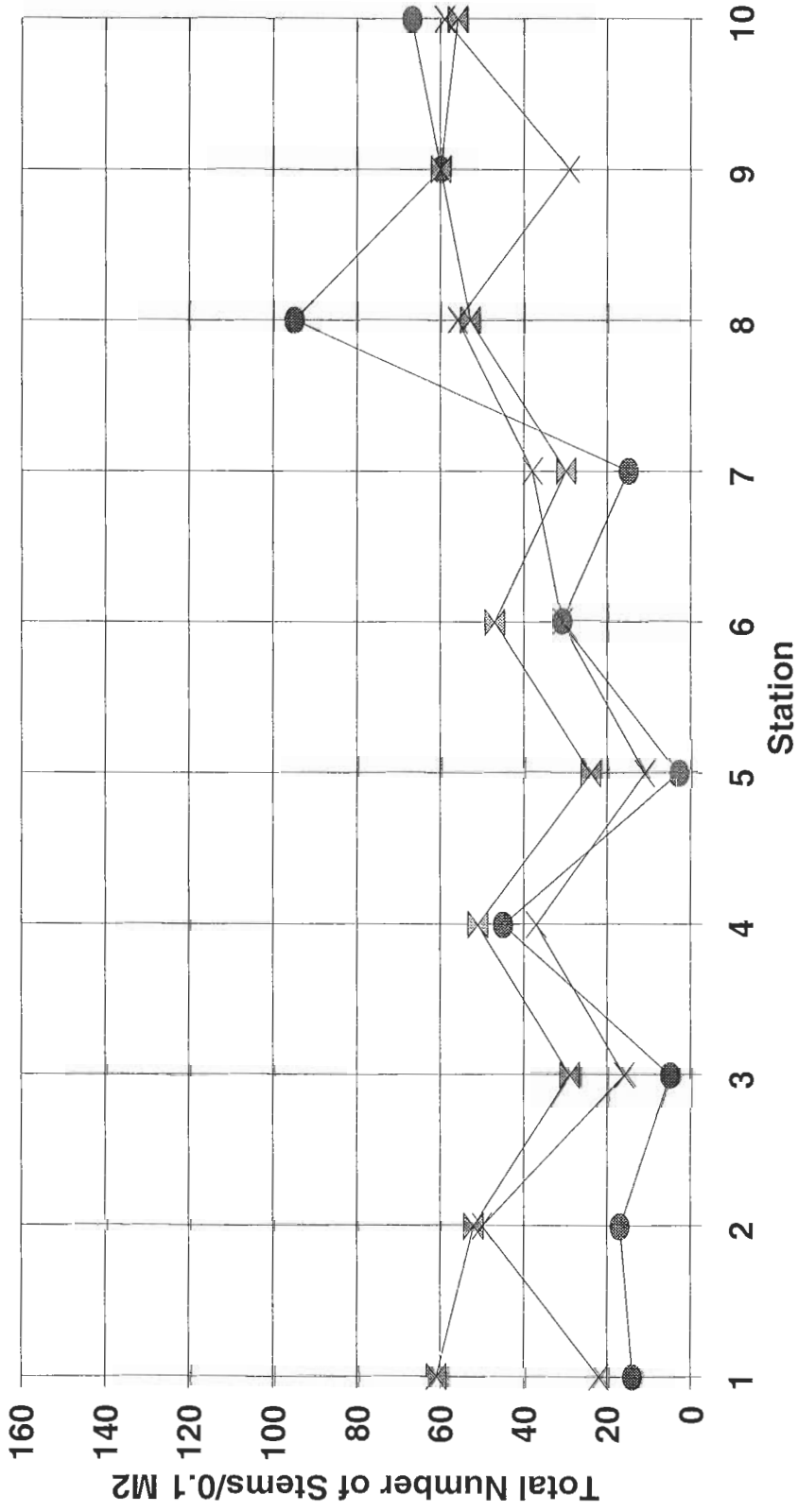
*Appendix B*  
**1999 Monitoring Results**



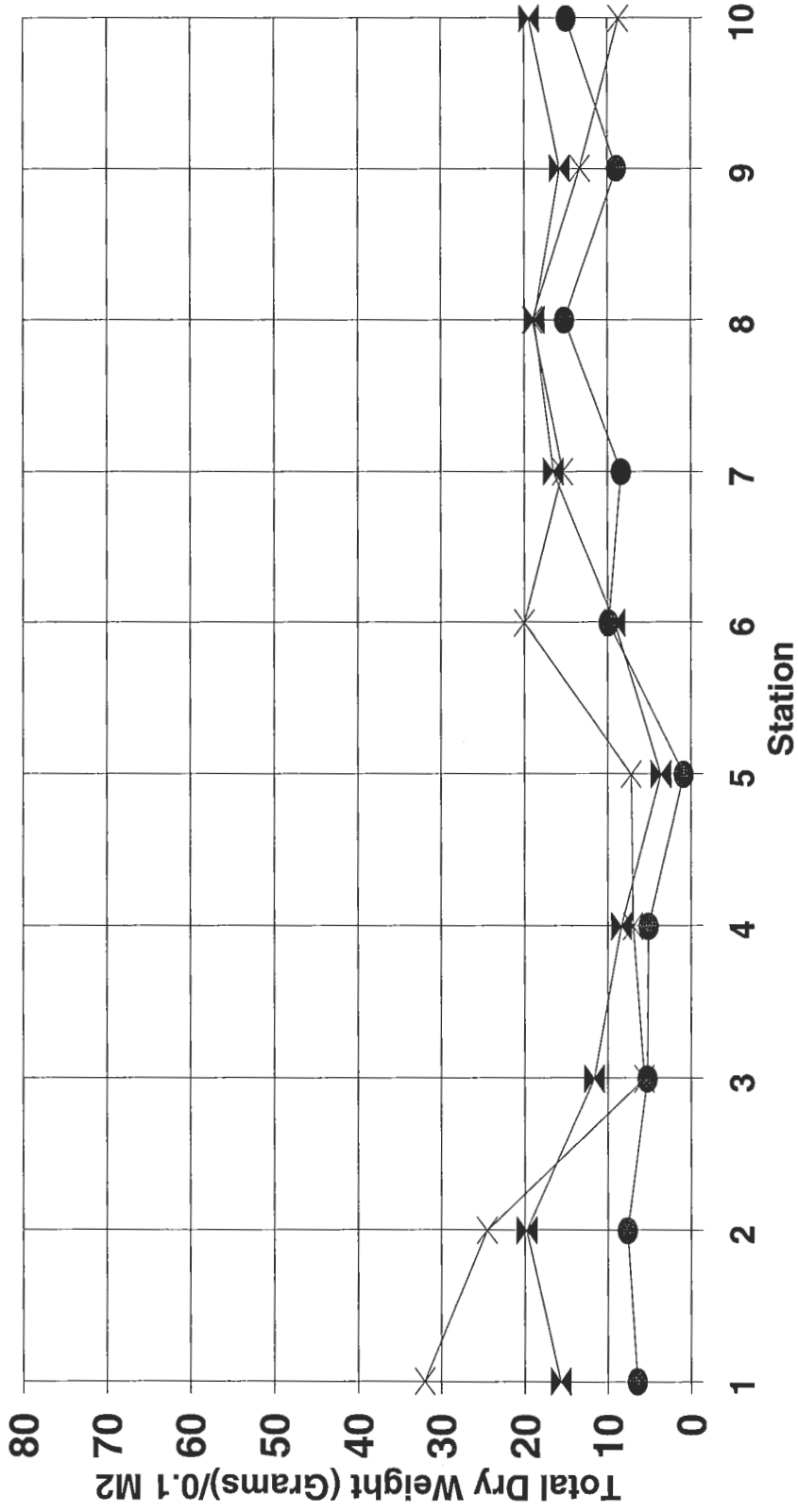
*Appendix B-1*

**Control Plot 2**

# Big Lake Macrophyte Pilot Project 1999 Control Plot 2 By Station



# Big Lake Macrophyte Pilot Project 1999 Control Plot 2 By Station



● 6/22-25/99    × 7/27-29/99    ▲ 8/24-27/99

Big Lake Pilot Program  
 1999 Monitoring Results from Control 2  
 Control  
 Plot 2

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams
June 22 - 25	2	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	11	3.27		
June 22 - 25	2	1	Ceratophyllum demersum	Coontail	2	3.05		
June 22 - 25	2	1	Potamogeton robbinsii	Robbin's Pondweed	1	0.1907		
June 22 - 25	2	2	Potamogeton zosteriformis	Flat-stemmed Pondweed	8	3.22		
June 22 - 25	2	2	Vallisneria americana	Wild Celery	1	0.1199		
June 22 - 25	2	2	Myriophyllum exalbescens	Northern Watermilfoil	2	0.9034		
June 22 - 25	2	2	Myriophyllum exalbescens	Northern Watermilfoil	1	1.35		
June 22 - 25	2	2	Potamogeton robbinsii	Robbin's Pondweed	5	2.11		
June 22 - 25	2	3	Potamogeton amplifolius	Large-leaf Pondweed	2	2.57		
June 22 - 25	2	3	Myriophyllum exalbescens	Northern Watermilfoil	1	2.02		
June 22 - 25	2	3	Ceratophyllum demersum	Coontail	1	0.5573		
June 22 - 25	2	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.1346		
June 22 - 25	2	4	Myriophyllum exalbescens	Northern Watermilfoil	1	0.2017		
June 22 - 25	2	4	Ceratophyllum demersum	Coontail	1	0.7989		
June 22 - 25	2	4	Vallisneria americana	Wild Celery	41	3.04		
June 22 - 25	2	4	Potamogeton amplifolius	Large-leaf Pondweed	2	1.14		
June 22 - 25	2	5	Ceratophyllum demersum	Coontail	2	0.6228		
June 22 - 25	2	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.3366		
June 22 - 25	2	6	Vallisneria americana	Wild Celery	1	0.1921		
June 22 - 25	2	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	2.44		
June 22 - 25	2	6	Ceratophyllum demersum	Coontail	25	7.29		
June 22 - 25	2	7	Ceratophyllum demersum	Coontail	1	1.29		
June 22 - 25	2	7	Myriophyllum exalbescens	Northern Watermilfoil	2	1.51		
June 22 - 25	2	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	12	5.65		
June 22 - 25	2	8	Potamogeton vallisneria	Coontail	48	3.03		
June 22 - 25	2	8	Ceratophyllum demersum	Coontail	2	0.7825		
June 22 - 25	2	8	Chara spp	Muskgrass	2	0.1591		
June 22 - 25	2	8	Myriophyllum exalbescens	Northern Watermilfoil	1	0.0683		
June 22 - 25	2	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	18	4.65		
June 22 - 25	2	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	24	6.51		

Big Lake Pilot Program  
 1999 Monitoring Results from Control 2  
 Control  
 Plot 2

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams
June 22 - 25	2	9	Vallisneria americana	Wild Celery	44	3.22		
June 22 - 25	2	9	Ceratophyllum demersum	Coontail	5	2.48		
June 22 - 25	2	9	Vallisneria americana	Wild Celery	1	0.0955		
June 22 - 25	2	9	Potamogeton robbinsii	Robbin's Pondweed	2	0.7022		
June 22 - 25	2	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	1.25		
June 22 - 25	2	9	Anacharis canadensis	Flat-stemmed Pondweed	1	0.1128		
June 22 - 25	2	9	Potamogeton amplifolius	Large-leaf Pondweed	2	1.08		
June 22 - 25	2	10	Potamogeton zosteriformis	Flat-stemmed Pondweed	22	6.34		
June 22 - 25	2	10	Ceratophyllum demersum	Coontail	10	1.74		
June 22 - 25	2	10	Vallisneria americana	Wild Celery	29	4.91		
June 22 - 25	2	10	Potamogeton richardsonii	Claspingleaf Pondweed	4	1.40		
June 22 - 25	2	10	Potamogeton amplifolius	Large-leaf Pondweed	2	0.5409		
July 27-29	2	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	44	20.72		
July 27-29	2	1	Myriophyllum exalbescens	Northern Watermilfoil	1	0.0636		
July 27-29	2	1	Potamogeton richardsonii	Claspingleaf Pondweed	6	3.28		
July 27-29	2	1	Ceratophyllum demersum	Coontail	7	7.29		
July 27-29	2	1	Vallisneria americana	Wild Celery	3	0.6674		
July 27-29	2	2	Potamogeton zosteriformis	Flat-stemmed Pondweed	48	23.34		
July 27-29	2	2	Ceratophyllum demersum	Coontail	1	0.3023		
July 27-29	2	2	Vallisneria americana	Wild Celery	3	0.8830		
July 27-29	2	3	Potamogeton spp	Narrowleaf	2	0.1661		
July 27-29	2	3	Potamogeton robbinsii	Robbin's Pondweed	6	0.9630		
July 27-29	2	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	4	0.9464		
July 27-29	2	3	Zosterella dubia	Mud Plaintain	3	0.1457		
July 27-29	2	3	Vallisneria americana	Wild Celery	8	1.59		
July 27-29	2	3	Myriophyllum exalbescens	Northern Watermilfoil	5	1.64		
July 27-29	2	3	Ceratophyllum demersum	Coontail	1	0.2642		0.2599
July 27-29	2	4	Potamogeton robbinsii	Robbin's Pondweed	4	0.8964		
July 27-29	2	4	Vallisneria americana	Wild Celery	43	4.70		
July 27-29	2	4	Potamogeton robbinsii	Robbin's Pondweed	4	1.43		
July 27-29	2	5	Vallisneria americana	Wild Celery	4	0.7183		0.6922
July 27-29	2	5	Ceratophyllum demersum	Coontail	4	1.39		

Big Lake Pilot Program  
 1999 Monitoring Results from Control 2  
 Control  
 Plot 2

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams
July 27-29	2	5	Myriophyllum exalbescens	Northern Watermilfoil	1	0.9940		
July 27-29	2	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	15	4.14		
July 27-29	2	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	3.02		
July 27-29	2	6	Ceratophyllum demersum	Coontail	9	7.92		
July 27-29	2	6	Vallisneria americana	Wild Celery	26	6.59		
July 27-29	2	6	Potamogeton amplifolius	Large-leaf Pondweed	4	2.27		
July 27-29	2	6	Elodea canadensis	Canada Waterweed	3	0.2036		
July 27-29	2	7	Ceratophyllum demersum	Coontail	1	0.0128		
July 27-29	2	7	Potamogeton richardsonii	Claspingleaf Pondweed	4	4.19		
July 27-29	2	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	23	10.60		
July 27-29	2	7	Vallisneria americana	Wild Celery	2	0.587		
July 27-29	2	8	Potamogeton amplifolius	Large-leaf Pondweed	8	7.50		
July 27-29	2	8	Najas flexilis	Bushy Naid	10	1.94		
July 27-29	2	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.2956		
July 27-29	2	8	Vallisneria americana	Wild Celery	34	9.32		9.37
July 27-29	2	9	Vallisneria americana	Wild Celery	1	0.1123		
July 27-29	2	9	Ceratophyllum demersum	Coontail	11	2.06		
July 27-29	2	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	48	11.16		
July 27-29	2	10	Najas flexilis	Bushy Naid	1	0.0663		
July 27-29	2	10	Ceratophyllum demersum	Coontail	3	0.4377		
July 27-29	2	10	Potamogeton amplifolius	Large-leaf Pondweed	9	2.56		
July 27-29	2	10	Vallisneria americana	Wild Celery	43	5.7		
Aug 24-27	2	1	Ceratophyllum demersum	Coontail	8	5.94		
Aug 24-27	2	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	14	9.79		
Aug 24-27	2	2	Potamogeton zosteriformis	Flat-stemmed Pondweed	19	2.23		

Big Lake Pilot Program  
 1999 Monitoring Results from Control 2  
 Control  
 Plot 2

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams
Aug 24-27	2	2	Myriophyllum exalbescens	Northern Watermilfoil	18	7.54		
Aug 24-27	2	2	Potamogeton richardsonii	Claspingleaf Pondweed	4	3.00		
Aug 24-27	2	2	Vallisneria americana	Wild Celery	2	0.9091		
Aug 24-27	2	2	Ceratophyllum demersum	Coontail	7	6.15		
Aug 24-27	2	3	Myriophyllum exalbescens	Northern Watermilfoil	3	1.11		
Aug 24-27	2	3	Potamogeton richardsonii	Claspingleaf Pondweed	6	4.14		
Aug 24-27	2	3	Ceratophyllum demersum	Coontail	7	6.46		
Aug 24-27	2	4	Potamogeton amplifolius	Large-leaf Pondweed	4	2.44		
Aug 24-27	2	4	Vallisneria americana	Wild Celery	33	5.96		
Aug 24-27	2	5	Ceratophyllum demersum	Coontail	3	2.85		
Aug 24-27	2	5	Myriophyllum exalbescens	Northern Watermilfoil	3	1.68	0.1385	
Aug 24-27	2	5	Vallisneria americana	Wild Celery	1	0.2794		
Aug 24-27	2	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	4	1.70		
Aug 24-27	2	6	Vallisneria americana	Wild Celery	16	4.86		
Aug 24-27	2	6	Ceratophyllum demersum	Coontail	4	2.51	2.48	
Aug 24-27	2	6	Potamogeton amplifolius	Large-leaf Pondweed	2	0.5726		
Aug 24-27	2	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	9	1.21		
Aug 24-27	2	7	Vallisneria americana	Wild Celery	2	0.5056	0.4936	
Aug 24-27	2	7	Potamogeton richardsonii	Claspingleaf Pondweed	5	3.11		
Aug 24-27	2	7	Ceratophyllum demersum	Coontail	4	2.43		
Aug 24-27	2	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	27	10.45		
Aug 24-27	2	8	Vallisneria americana	Wild Celery	41	13.75		
Aug 24-27	2	8	Potamogeton robbinsii	Robbin's Pondweed	1	0.6990		
Aug 24-27	2	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	7	0.4037		
Aug 24-27	2	8	Potamogeton richardsonii	Claspingleaf Pondweed	3	0.9125		
Aug 24-27	2	8	Potamogeton graniners		1	0.3958		
Aug 24-27	2	8	Potamogeton amplifolius	Large-leaf Pondweed	1	0.6520	4.45	
Aug 24-27	2	8	Ceratophyllum demersum	Coontail	2	2.04		
Aug 24-27	2	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.0394		
Aug 24-27	2	9	Potamogeton robbinsii	Robbin's Pondweed	2	0.1121		
Aug 24-27	2	9	Ceratophyllum demersum	Coontail	6	6.06		
Aug 24-27	2	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	13	7.60		

Big Lake Pilot Program  
 1999 Monitoring Results from Control 2  
 Control  
 Plot 2

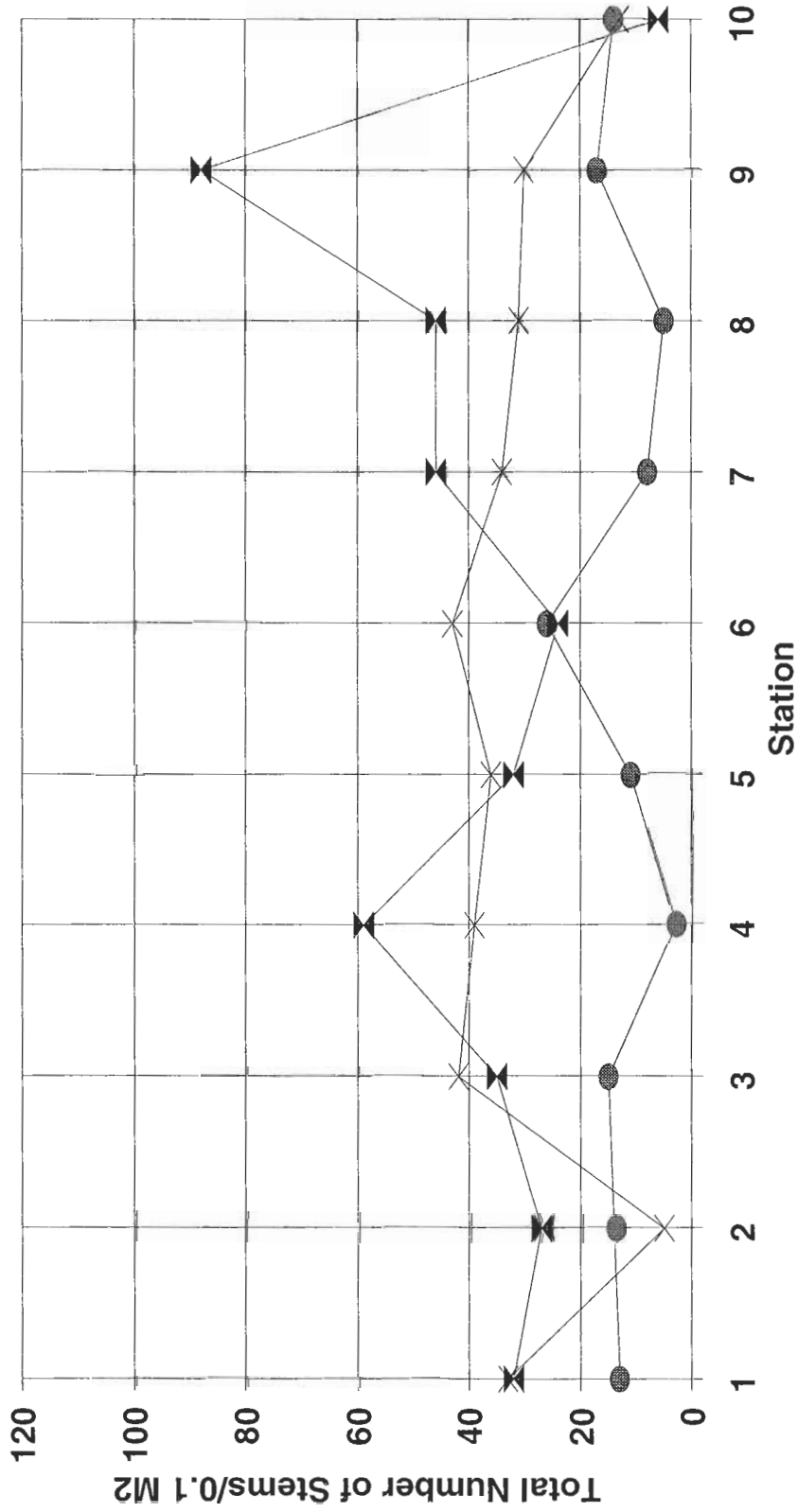
Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams
Aug 24-27	2	9	Elodea canadensis	Canada Waterweed	3	0.2267		
Aug 24-27	2	9	Vallisneria americana	Wild Celery	2	0.7797		
Aug 24-27	2	9	Potamogeton richardsonii	Claspingleaf Pondweed	2	0.9507		
Aug 24-27	2	10	Potamogeton amplifolius	Large-leaf Pondweed	9	3.98		
Aug 24-27	2	10	Elodea canadensis	Canada Waterweed	3	0.6666	0.6543	
Aug 24-27	2	10	Ceratophyllum demersum	Coontail	1	0.6566		
Aug 24-27	2	10	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.2152		
Aug 24-27	2	10	Vallisneria americana	Wild Celery	45	13.88		



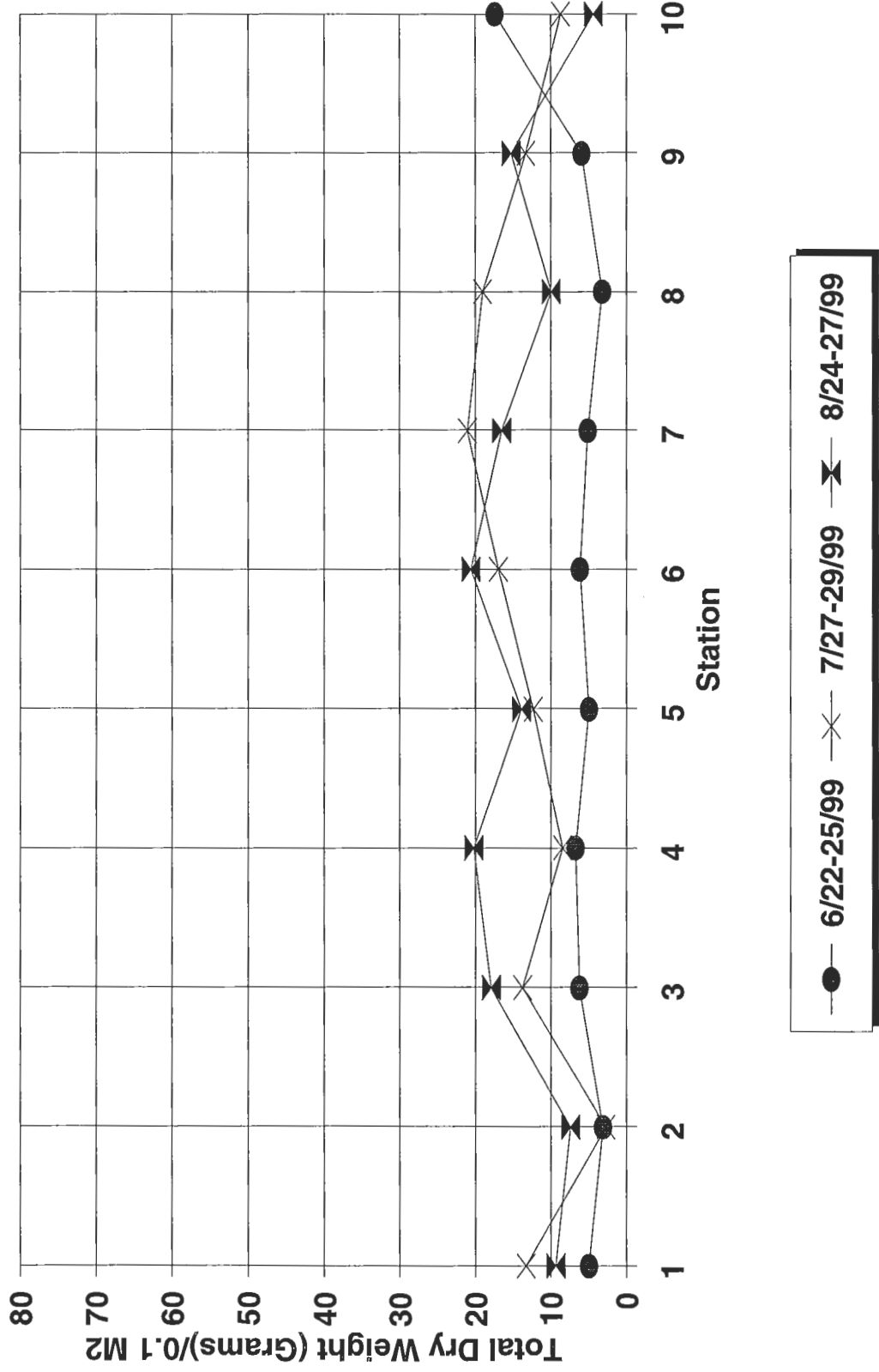
*Appendix B-2*

**Control Plot 6**

# Big Lake Macrophyte Pilot Project 1999 Control Plot 6 By Station



# Big Lake Macrophyte Pilot Project 1999 Control Plot 6 By Station



Big Lake Pilot Program  
 1999 Monitoring Results from Control Plot 6  
 Control  
 Plot 6

Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams	Tare Weight Grams
June 22 - 25	6	1	Vallisneria americana	Wild Celery	1	0.0544			
June 22 - 25	6	1	Ceratophyllum demersum	Coontail	1	0.2709			
June 22 - 25	6	1	Potamogeton richardsonii	Claspingleaf Pondweed	4	2.85			
June 22 - 25	6	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	1.25			
June 22 - 25	6	1	Potamogeton robbinsii	Robbin's Pondweed	2	0.5668			
June 22 - 25	6	2	Potamogeton zosteriformis	Flat-stemmed Pondweed	14	3.12			
June 22 - 25	6	3	Vallisneria americana	Wild Celery	2	0.2804			
June 22 - 25	6	3	Myriophyllum exalbescens	Northern Watermilfoil	3	1.38			
June 22 - 25	6	3	Ceratophyllum demersum	Coontail	4	3.13			
June 22 - 25	6	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	6	1.52			
June 22 - 25	6	4	Ceratophyllum demersum	Coontail	1	3.80			
June 22 - 25	6	4	Potamogeton amplifolius	Large-leaf Pondweed	2	3.02			
June 22 - 25	6	5	Myriophyllum exalbescens	Northern Watermilfoil	1	0.1085			
June 22 - 25	6	5	Ceratophyllum demersum	Coontail	4	3.26			
June 22 - 25	6	5	Potamogeton spp	Narrowleaf	4	0.5954			
June 22 - 25	6	5	Vallisneria americana	Wild Celery	1	0.1798			
June 22 - 25	6	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.8333			
June 22 - 25	6	6	Vallisneria americana	Wild Celery	16	2.33			
June 22 - 25	6	6	Potamogeton amplifolius	Large-leaf Pondweed	10	3.90			
June 22 - 25	6	7	Ceratophyllum demersum	Coontail	1	1.43			
June 22 - 25	6	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	7	3.70			
June 22 - 25	6	8	Anacharis canadensis	Large-leaf Pondweed	1	0.2415			
June 22 - 25	6	8	Potamogeton amplifolius	Large-leaf Pondweed	1	0.5512			
June 22 - 25	6	8	Ceratophyllum demersum	Coontail	3	2.42			
June 22 - 25	6	9	Potamogeton robbinsii	Robbin's Pondweed	7	4.16			
June 22 - 25	6	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	0.7689			
June 22 - 25	6	9	Anacharis canadensis	Large-leaf Pondweed	6	0.0633			
June 22 - 25	6	9	Potamogeton amplifolius	Large-leaf Pondweed	1	0.3946			
June 22 - 25	6	9	Ceratophyllum demersum	Coontail	1	0.6048			
June 22 - 25	6	10	Ceratophyllum demersum	Coontail	14	17.42			

Big Lake Pilot Program  
 1999 Monitoring Results from Control Plot 6  
 Control  
 Plot 6

Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams
July 27-29	6	1	Vallisneria americana	Wild Celery	15	5.53		
July 27-29	6	1	Ceratophyllum demersum	Coontail	13	6.21		
July 27-29	6	1	Potamogeton richardsonii	Claspingleaf Pondweed	2	1.23		1.21
July 27-29	6	1	Elodea canadensis	Canada Waterweed	3	0.3721		
July 27-29	6	2	Potamogeton amplifolius	Large-leaf Pondweed	5	2.76		
July 27-29	6	3	Potamogeton spp	Narrowleaf	14	1.34		
July 27-29	6	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	4	0.7802		
July 27-29	6	3	Ceratophyllum demersum	Coontail	5	2.63		2.63
July 27-29	6	3	Elodea canadensis	Canada Waterweed	2	0.2953		
July 27-29	6	3	Myriophyllum exalbescens	Northern Watermilfoil	9	5.21		
July 27-29	6	3	Vallisneria americana	Wild Celery	4	1.29		
July 27-29	6	3	Potamogeton amplifolius	Large-leaf Pondweed	4	2.20		
July 27-29	6	4	Elodea canadensis	Canada Waterweed	13	2.31		
July 27-29	6	4	Potamogeton amplifolius	Large-leaf Pondweed	9	3.02		2.96
July 27-29	6	4	Ceratophyllum demersum	Coontail	11	2.81		
July 27-29	6	4	Potamogeton spp	Narrowleaf	6	0.3334		0.3276
July 27-29	6	5	Ceratophyllum demersum	Coontail	6	1.78		
July 27-29	6	5	Vallisneria americana	Wild Celery	7	3.92		3.99
July 27-29	6	5	Potamogeton spp	Narrowleaf	7	0.5389		
July 27-29	6	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.1614		
July 27-29	6	5	Elodea canadensis	Canada Waterweed	8	1.38		
July 27-29	6	5	Potamogeton amplifolius	Large-leaf Pondweed	7	4.60		
July 27-29	6	6	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	0.3000		
July 27-29	6	6	Potamogeton amplifolius	Large-leaf Pondweed	9	7.58		
July 27-29	6	6	Vallisneria americana	Wild Celery	32	9.07		
July 27-29	6	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	16	10.38		
July 27-29	6	7	Ceratophyllum demersum	Coontail	18	10.69		
July 27-29	6	8	Vallisneria americana	Wild Celery	1	0.8535		
July 27-29	6	8	Zosterella dubia	Mud Plaintain	4	0.1957		
July 27-29	6	8	Ceratophyllum demersum	Coontail	7	7.31		
July 27-29	6	8	Elodea canadensis	Canada Waterweed	17	2.74		
July 27-29	6	8	Potamogeton amplifolius	Large-leaf Pondweed	2	0.8441		
July 27-29	6	9	Potamogeton amplifolius	Large-leaf Pondweed	3	1.23		
July 27-29	6	9	Ceratophyllum demersum	Coontail	12	11.22	11.19	

Big Lake Pilot Program  
 1999 Monitoring Results from Control Plot 6  
 Control  
 Plot 6

Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams
July 27-29	6	9	Elodea canadensis	Canada Waterweed	9	0.8157		0.8020
July 27-29	6	9	Zosterella dubia	Mud Plaintain	6	0.5232		
July 27-29	6	10	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	0.1195		
July 27-29	6	10	Ceratophyllum demersum	Coontail	11	8.36		
Aug 24-27	6	1	Vallisneria americana	Wild Celery	4	1.39		
Aug 24-27	6	1	Ceratophyllum demersum	Coontail	7	6.52		
Aug 24-27	6	1	Potamogeton richardsonii	Claspingleaf Pondweed	1	0.2173		
Aug 24-27	6	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	0.1985		
Aug 24-27	6	1	Potamogeton robbinsii	Robbin's Pondweed	3	0.3733		
Aug 24-27	6	1	Elodea canadensis	Canada Waterweed	15	0.7051	0.6907	
Aug 24-27	6	2	Potamogeton amplifolius	Large-leaf Pondweed	2	1.17		
Aug 24-27	6	2	Potamogeton richardsonii	Claspingleaf Pondweed	3	1.75		
Aug 24-27	6	2	Potamogeton zosteriformis	Flat-stemmed Pondweed	1	0.3499		
Aug 24-27	6	2	Zosterella dubia	Mud Plaintain	4	0.0761		
Aug 24-27	6	2	Ceratophyllum demersum	Coontail	2	1.74		
Aug 24-27	6	2	Elodea canadensis	Canada Waterweed	11	0.7341	0.7186	
Aug 24-27	6	2	Vallisneria americana	Wild Celery	4	1.65		
Aug 24-27	6	3	Vallisneria americana	Wild Celery	16	7.19		
Aug 24-27	6	3	Potamogeton zosteriformis	Flat-stemmed Pondweed	3	0.7298		
Aug 24-27	6	3	Elodea canadensis	Canada Waterweed	2	0.0343		
Aug 24-27	6	3	Ceratophyllum demersum	Coontail	5	4.55		
Aug 24-27	6	3	Myriophyllum exalbescens	Northern Watermilfoil	4	1.56		
Aug 24-27	6	3	Potamogeton amplifolius	Large-leaf Pondweed	5	3.90		
Aug 24-27	6	4	Elodea canadensis	Canada Waterweed	40+	6.85		
Aug 24-27	6	4	Zosterella dubia	Mud Plaintain	4	0.3392		
Aug 24-27	6	4	Potamogeton amplifolius	Large-leaf Pondweed	11	8.16		
Aug 24-27	6	4	Ceratophyllum demersum	Coontail	4	4.92	4.90	
Aug 24-27	6	5	Potamogeton amplifolius	Large-leaf Pondweed	2	1.15		
Aug 24-27	6	5	Potamogeton zosteriformis	Flat-stemmed Pondweed	5	1.41		
Aug 24-27	6	5	Elodea canadensis	Canada Waterweed	2	0.1807		
Aug 24-27	6	5	Vallisneria americana	Wild Celery	10	2.62	2.59	
Aug 24-27	6	5	Ceratophyllum demersum	Coontail	11	7.82		
Aug 24-27	6	5	Myriophyllum exalbescens	Northern Watermilfoil	2	0.7756		
Aug 24-27	6	6	Ceratophyllum demersum	Coontail	1	0.7260		
Aug 24-27	6	6	Potamogeton amplifolius	Large-leaf Pondweed	5	5.08		

Big Lake Pilot Program  
 1999 Monitoring Results from Control Plot 6  
 Control  
 Plot 6

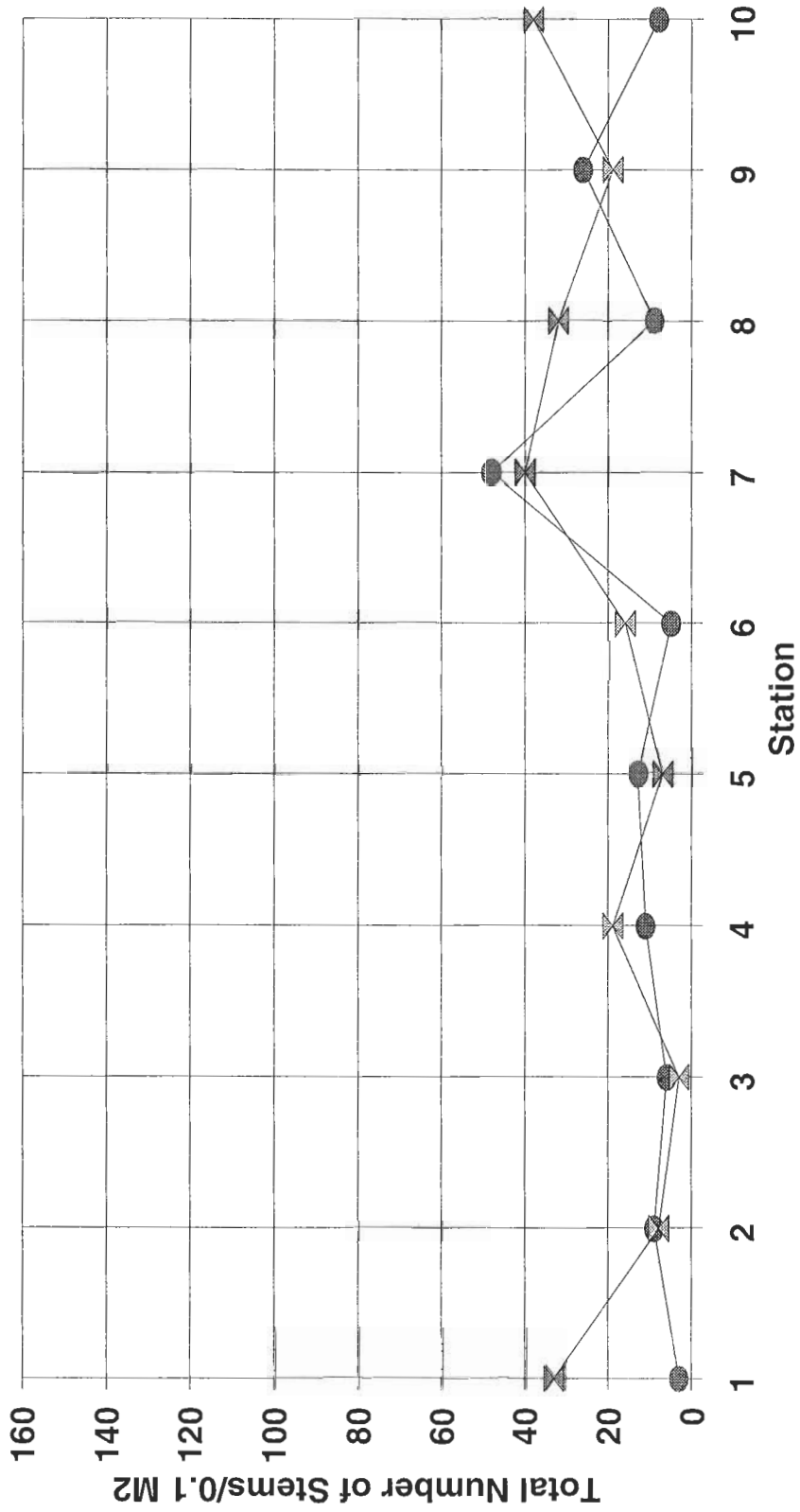
Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Dried Twice Grams
Aug 24-27	6	6	Vallisneria americana	Wild Celery	18	14.83		
Aug 24-27	6	7	Ceratophyllum demersum	Coontail	7	12.77		
Aug 24-27	6	7	Elodea canadensis	Canada Waterweed	1	0.0175		
Aug 24-27	6	7	Potamogeton zosteriformis	Flat-stemmed Pondweed	38	20.28		
Aug 24-27	6	8	Zosterella dubia	Mud Plaintain	10	0.6131		
Aug 24-27	6	8	Elodea canadensis	Canada Waterweed	14	0.9909		
Aug 24-27	6	8	Potamogeton amplifolis	Large-leaf Pondweed	11	5.00		
Aug 24-27	6	8	Vallisneria americana	Wild Celery	1	0.0682		
Aug 24-27	6	8	Ceratophyllum demersum	Coontail	3	0.1887		
Aug 24-27	6	8	Potamogeton pusillus	Small Pondweed	2	1.06		
Aug 24-27	6	8	Utricularia Spp.		5	2.10		
Aug 24-27	6	9	Ceratophyllum demersum	Coontail	4	1.51		
Aug 24-27	6	9	Potamogeton robbinsii	Robbin's Pondweed	5	1.60		
Aug 24-27	6	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	0.4612		
Aug 24-27	6	9	Potamogeton amplifolis	Large-leaf Pondweed	9	7.24		
Aug 24-27	6	9	Elodea canadensis	Canada Waterweed	68	4.46		
Aug 24-27	6	10	Potamogeton amplifolis	Large-leaf Pondweed	2	0.5472		
Aug 24-27	6	10	Ceratophyllum demersum	Coontail	3	3.83		
Aug 24-27	6	10	Elodea canadensis	Canada Waterweed	1	0.0756		

*Appendix B-3*

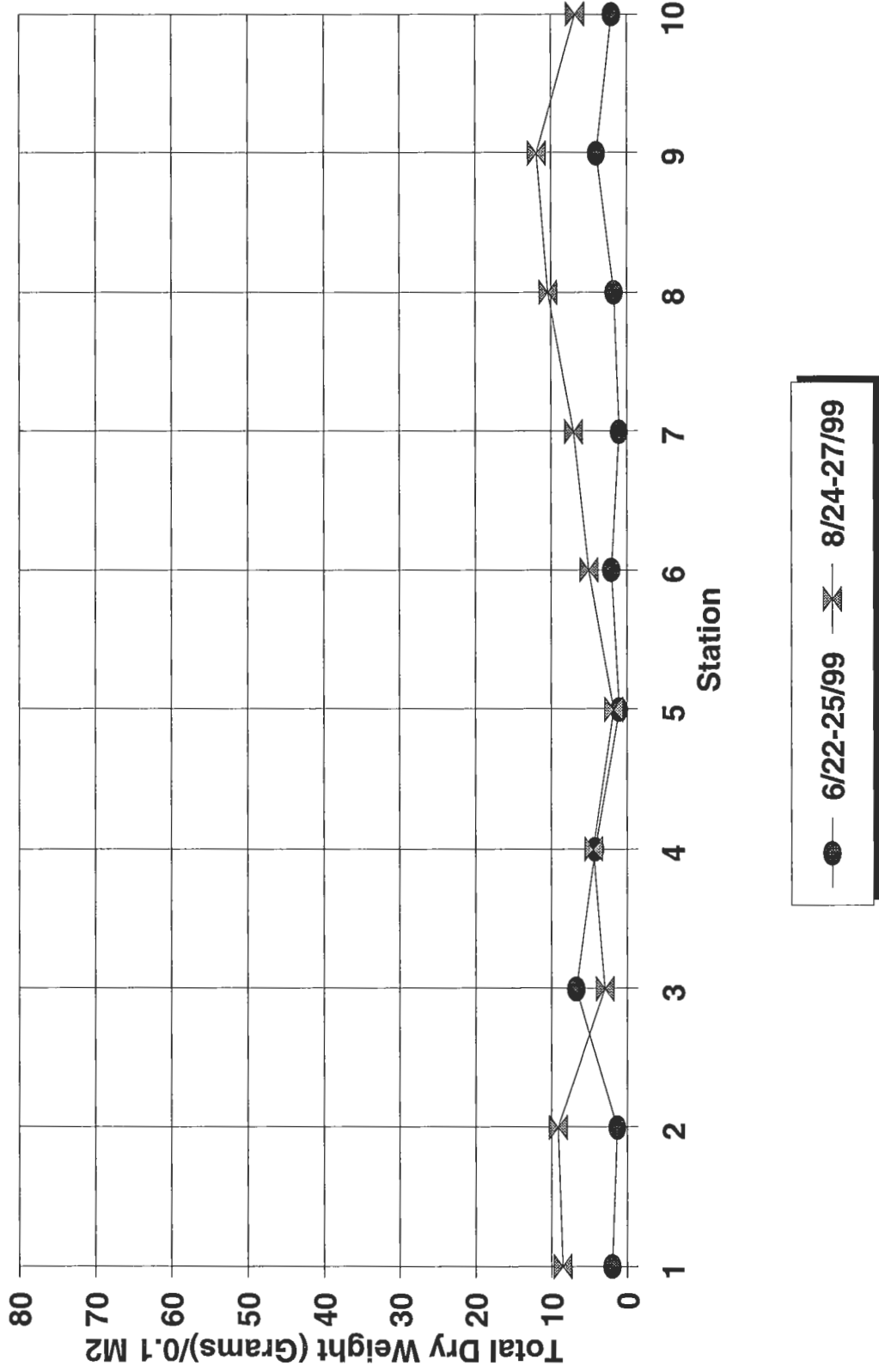
**Herbicide Plot 4**



# Big Lake Macrophyte Pilot Project 1999 Herbicide Plot 4 By Station



# Big Lake Macrophyte Pilot Project 1999 Herbicide Plot 4 By Station



Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Herbicide Plot 4  
 Herbicide  
 Plot 4

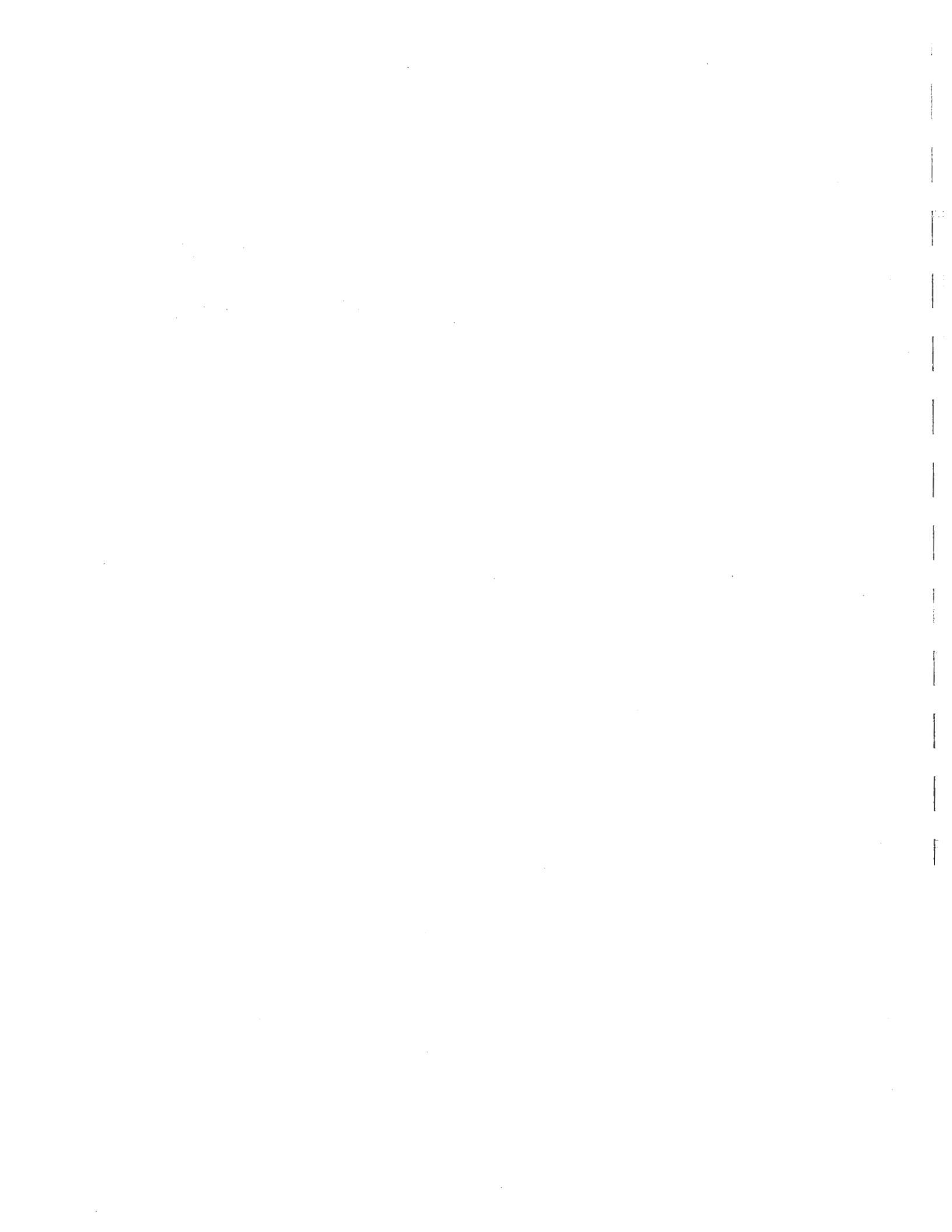
Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Date	Duplicate Weight Grams	Dried Twice Grams
June 22 - 25	4	1	Potamogeton robbinsii	Robbin's Pondweed	1	0.6818				
June 22 - 25	4	1	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	1.39				
June 22 - 25	4	2	Vallisneria Americana	Wild Celery	5	0.6313				
June 22 - 25	4	2	Potamogeton spp	Narrowleaf	2	0.1086				
June 22 - 25	4	2	Ceratophyllum demersum	Coontail	1	0.3878				
June 22 - 25	4	2	Potamogeton robbinsii	Robbin's Pondweed	1	0.2111				
June 22 - 25	4	3	Ceratophyllum demersum	Coontail	6	6.8				
June 22 - 25	4	4	Potamogeton robbinsii	Robbin's Pondweed	2	1.19				
June 22 - 25	4	4	Ceratophyllum demersum	Coontail	2	0.3627				
June 22 - 25	4	4	Potamogeton amphifolius	Large-leaf Pondweed	1	0.0503				
June 22 - 25	4	4	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	1.13				
June 22 - 25	4	4	Potamogeton richardsonii	Claspingleaf Pondweed	4	1.52				
June 22 - 25	4	5	Utricularia spp		6	0.2478				
June 22 - 25	4	5	Vallisneria Americana	Wild Celery	7	0.8617				
June 22 - 25	4	6	Myriophyllum exalbescens	Northern Watermilfoil	1	0.453				
June 22 - 25	4	6	Ceratophyllum demersum	Coontail	2	1.06				
June 22 - 25	4	6	Vallisneria Americana	Wild Celery	2	0.6335				
June 22 - 25	4	7	Vallisneria Americana	Wild Celery	48	3.04				
June 22 - 25	4	7	Eleocharis spp	Spike Rush	Too Many	1.09				
June 22 - 25	4	8	Vallisneria Americana	Wild Celery	5	0.4788				
June 22 - 25	4	8	Ceratophyllum demersum	Coontail	4	1.3				
June 22 - 25	4	9	Ceratophyllum demersum	Coontail	2	1.64				
June 22 - 25	4	9	Potamogeton richardsonii	Claspingleaf Pondweed	3	0.9667				
June 22 - 25	4	9	Anacharis canadensis		1	0.0366				
June 22 - 25	4	9	Potamogeton robbinsii	Robbin's Pondweed	2	0.312				
June 22 - 25	4	9	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	0.3771				
June 22 - 25	4	9	Potamogeton spp	Narrowleaf	16	0.6811				
June 22 - 25	4	10	Potamogeton zosteriformis	Flat-stemmed Pondweed	2	0.667				
June 22 - 25	4	10	Vallisneria Americana	Wild Celery	6	1.39				
Aug 24-27	4	1	Potamogeton robbinsii	Robbin's Pondweed	11	1.72				
Aug 24-27	4	1	Najas Flexilis	Bushy Naid	2	0.2793				

Big Lake Pilot Treatment Program  
 1999 Monitoring Results from Herbicide Plot 4  
 Herbicide  
 Plot 4

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Date	Duplicate Weight Grams
Aug 24-27	4	1	Vallisneria Americana	Wild Celery	6	2.53			
Aug 24-27	4	1	Potamogeton pusillus	Small Pondweed	10	2.52			
Aug 24-27	4	1	Ceratophyllum demersum	Coontail	4	1.53	1.54		
Aug 24-27	4	2	Ceratophyllum demersum	Coontail	8	9.14			
Aug 24-27	4	3	Ceratophyllum demersum	Coontail	3	2.98			
Aug 24-27	4	4	Ceratophyllum demersum	Coontail	6	7.90			
Aug 24-27	4	4	Potamogeton robbinsii	Robbin's Pondweed	4	1.34			
Aug 24-27	4	4	Myriophyllum exalbenscens	Northern Watermilfoil	1	0.5615			
Aug 24-27	4	4	Vallisneria Americana	Wild Celery	8	1.76			
Aug 24-27	4	5	Utricularia spp		1	0.8498			
Aug 24-27	4	5	Vallisneria Americana	Wild Celery	6	0.9558			
Aug 24-27	4	6	Ceratophyllum demersum	Coontail	5	1.98			
Aug 24-27	4	6	Myriophyllum exalbenscens	Northern Watermilfoil	6	2.12			
Aug 24-27	4	6	Potamogeton robbinsii	Robbin's Pondweed	4	0.9095			
Aug 24-27	4	6	Vallisneria Americana	Wild Celery	1	0.0802	0.0766		
Aug 24-27	4	7	Vallisneria Americana	Wild Celery	40	7.13			
Aug 24-27	4	8	Ceratophyllum demersum	Coontail	1	0.1859			
Aug 24-27	4	8	Myriophyllum exalbenscens	Northern Watermilfoil	7	3.81			
Aug 24-27	4	8	Vallisneria Americana	Wild Celery	4	2.25			
Aug 24-27	4	8	Potamogeton zosteriformis	Flat-stemmed Pondweed	20	4.19			
Aug 24-27	4	9	Potamogeton richardsonii	Claspingleaf Pondweed	4	1.66			
Aug 24-27	4	9	Elodea canadensis	Canada Waterweed	4	0.1295			
Aug 24-27	4	9	Ceratophyllum demersum	Coontail	4	7.56			
Aug 24-27	4	9	Potamogeton spp	Narrowleaf	2	0.0980			
Aug 24-27	4	9	Vallisneria Americana	Wild Celery	5	2.46			
Aug 24-27	4	10	Vallisneria Americana	Wild Celery	38	6.86			

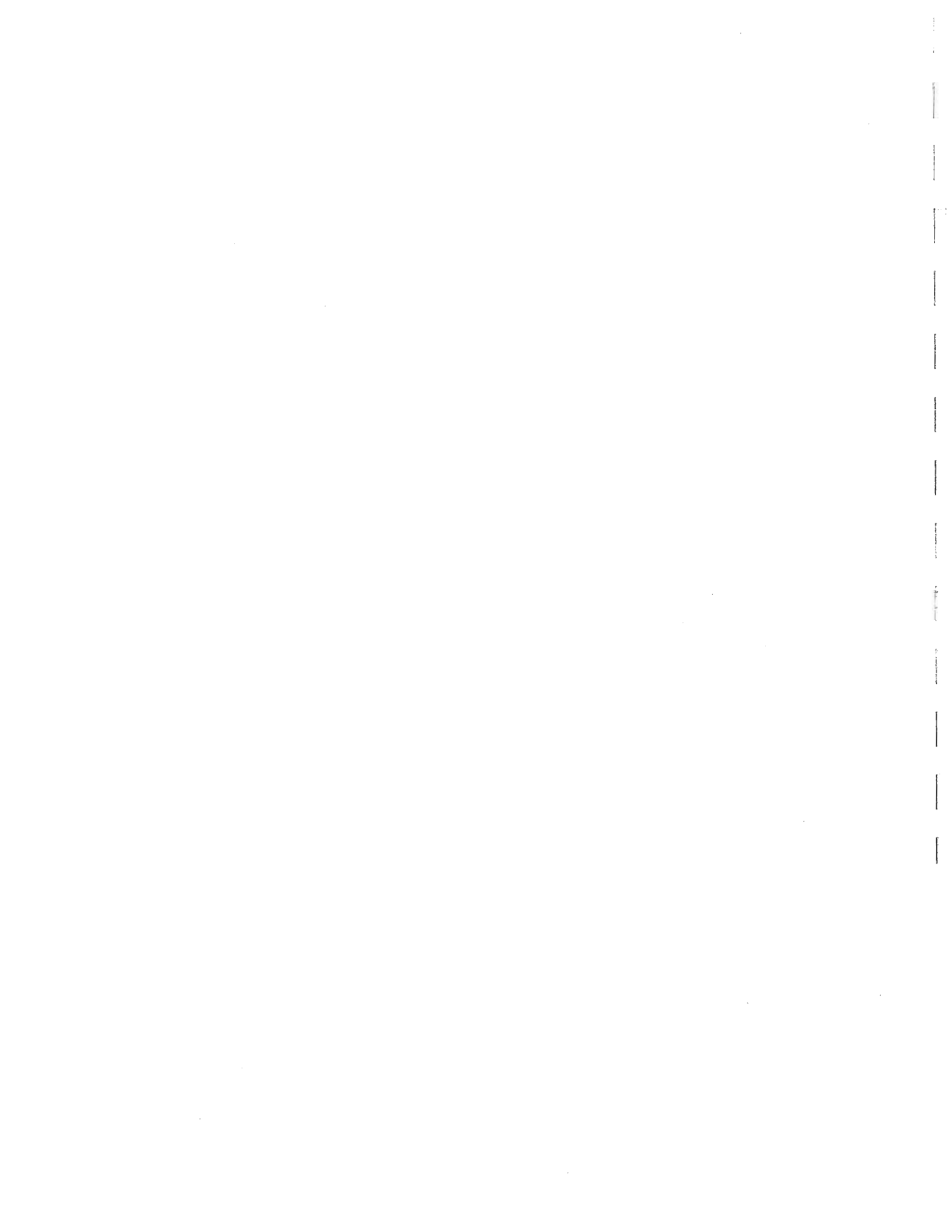
*Appendix C*

**2000 Monitoring Results**



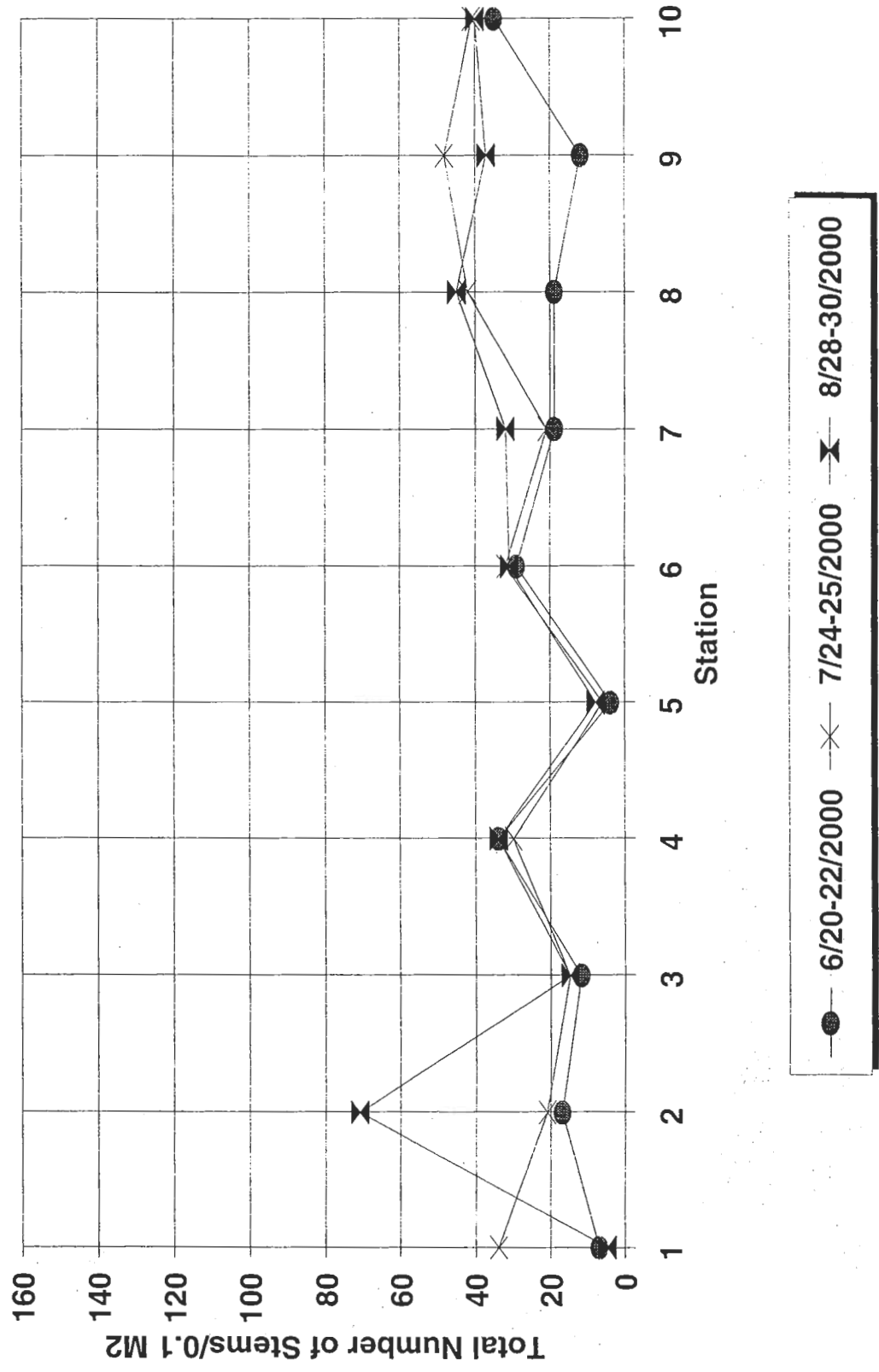
*Appendix C-1*

**Control Plots 2 and 6**

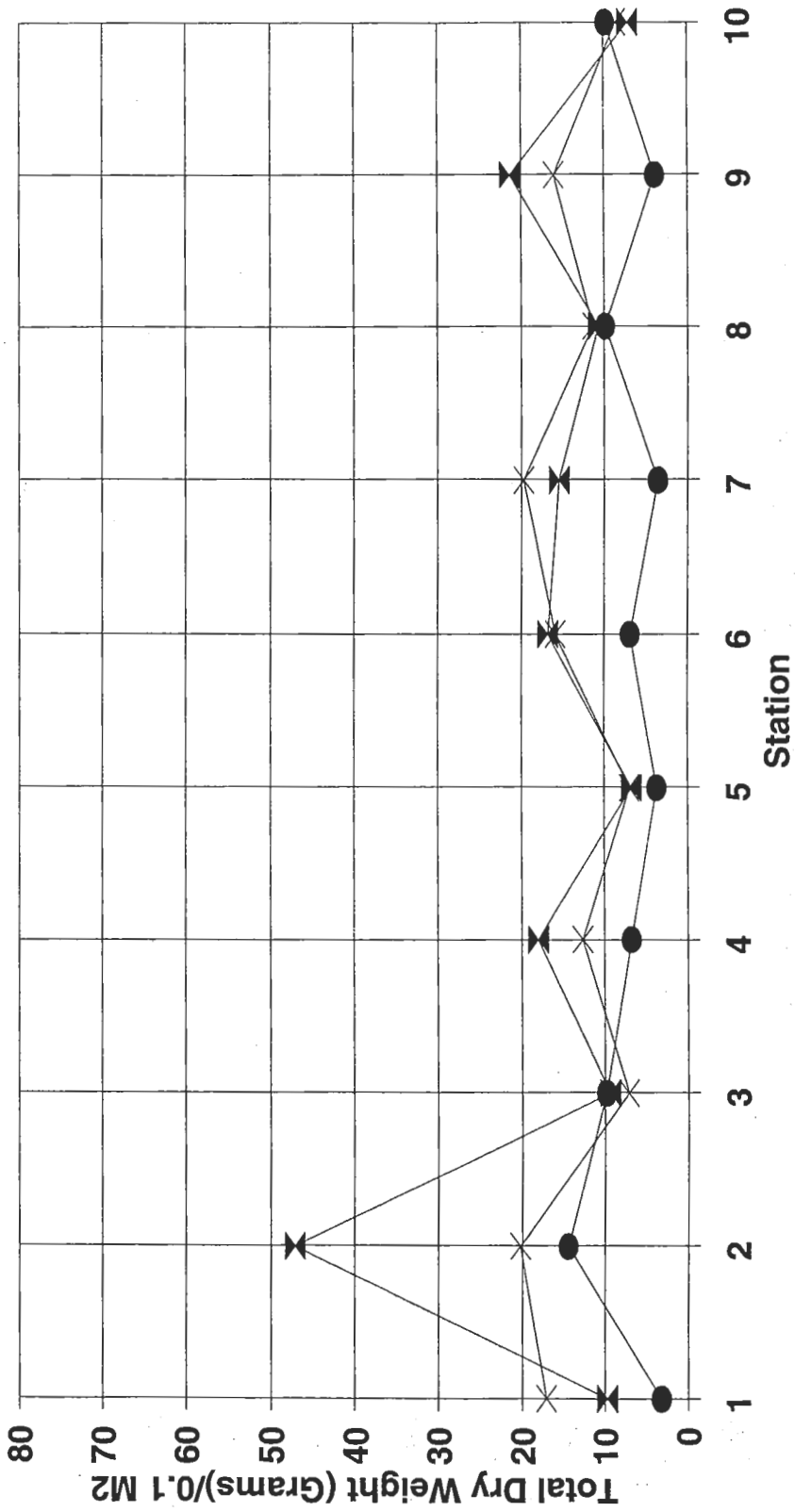




# Big Lake Macrophyte Pilot Project 2000 Control Plot 2 By Station

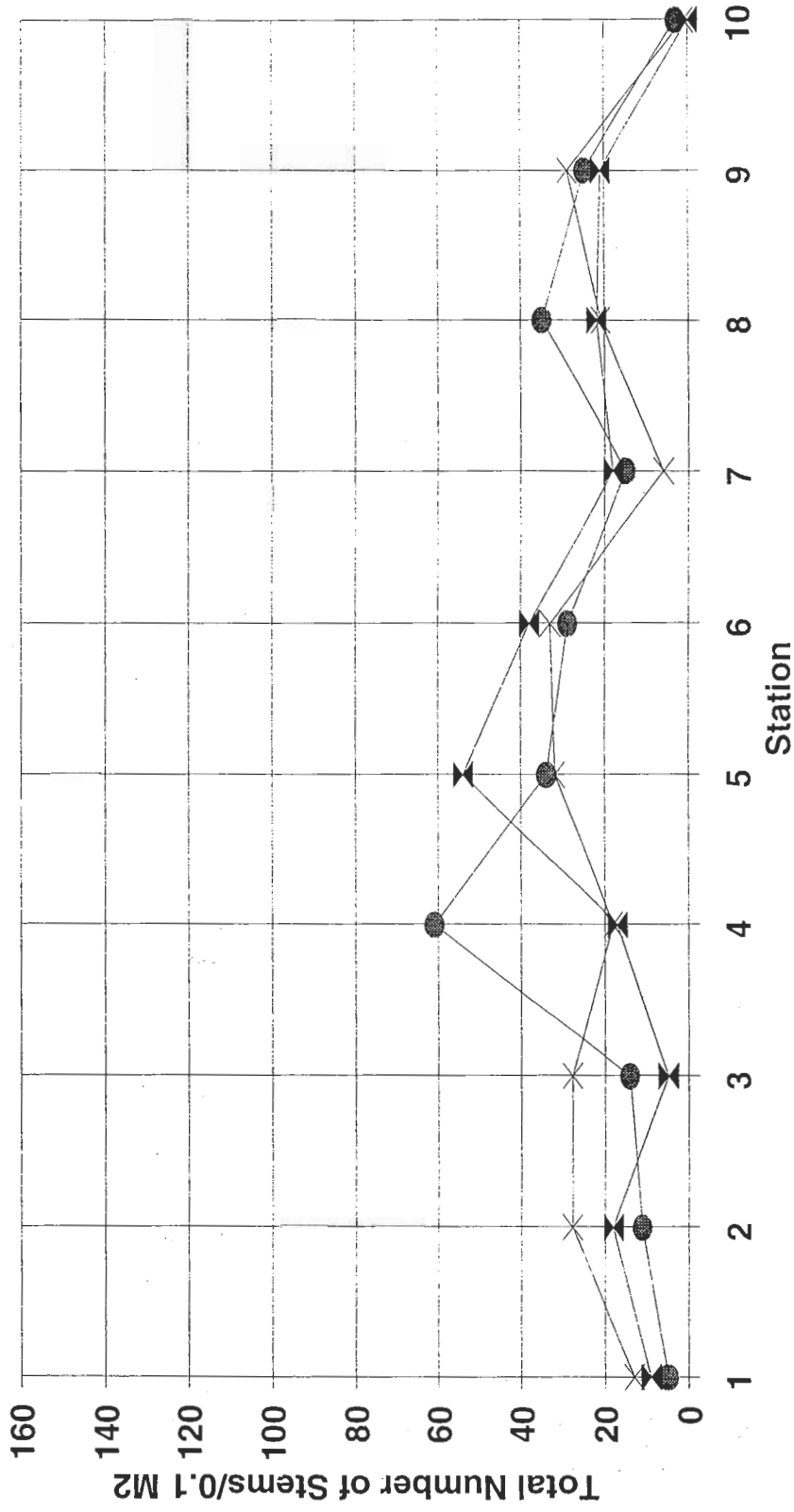


# Big Lake Macrophyte Pilot Project 2000 Control Plot 2 By Station



● 6/20-22/2000 \* 7/24-25/2000 x 8/28-30/2000

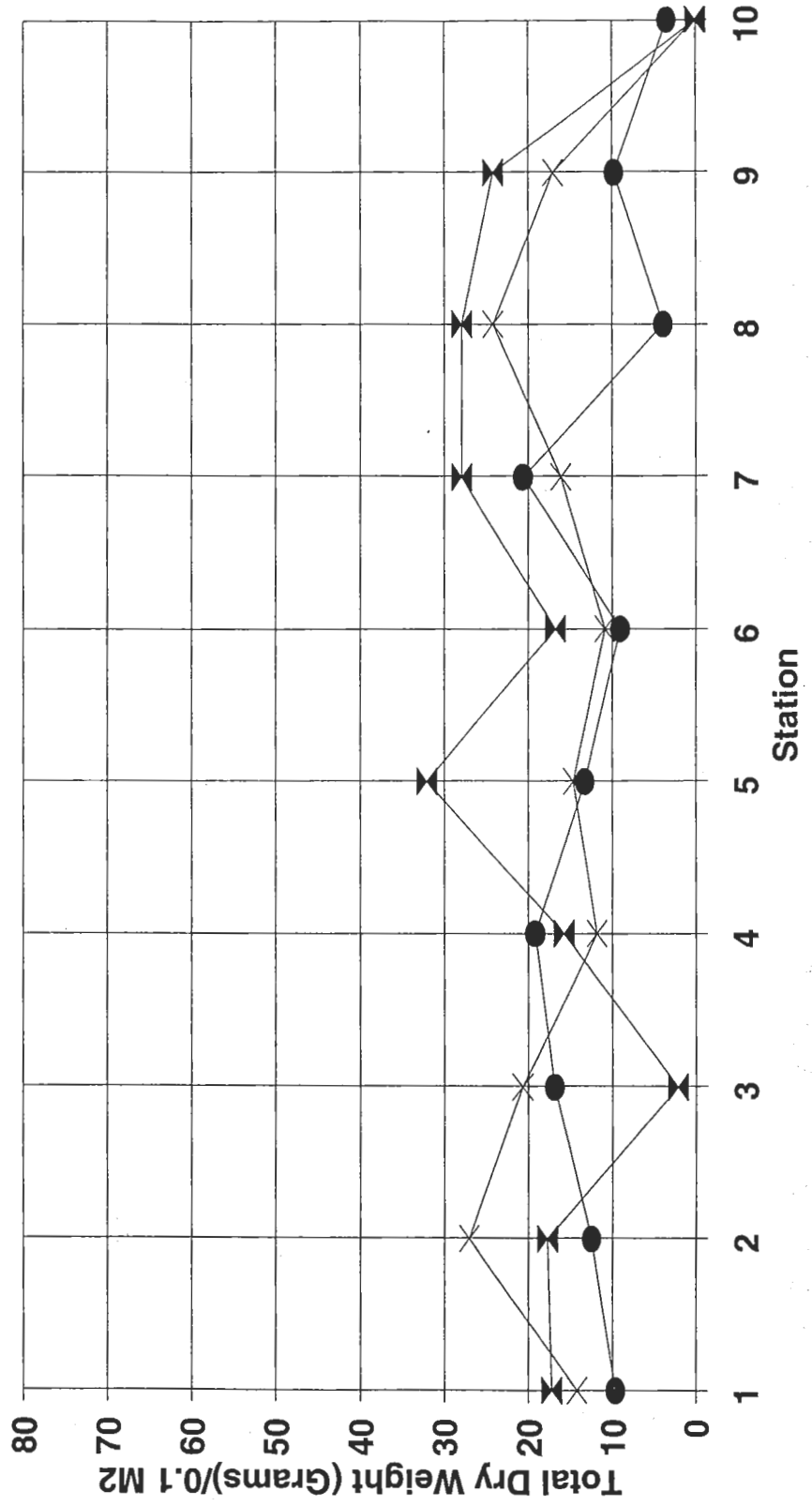
# Big Lake Macrophyte Pilot Project 2000 Control Plot 6 By Station



● 6/20-22/2000 \* 7/24-25/2000 x 8/28-30/2000

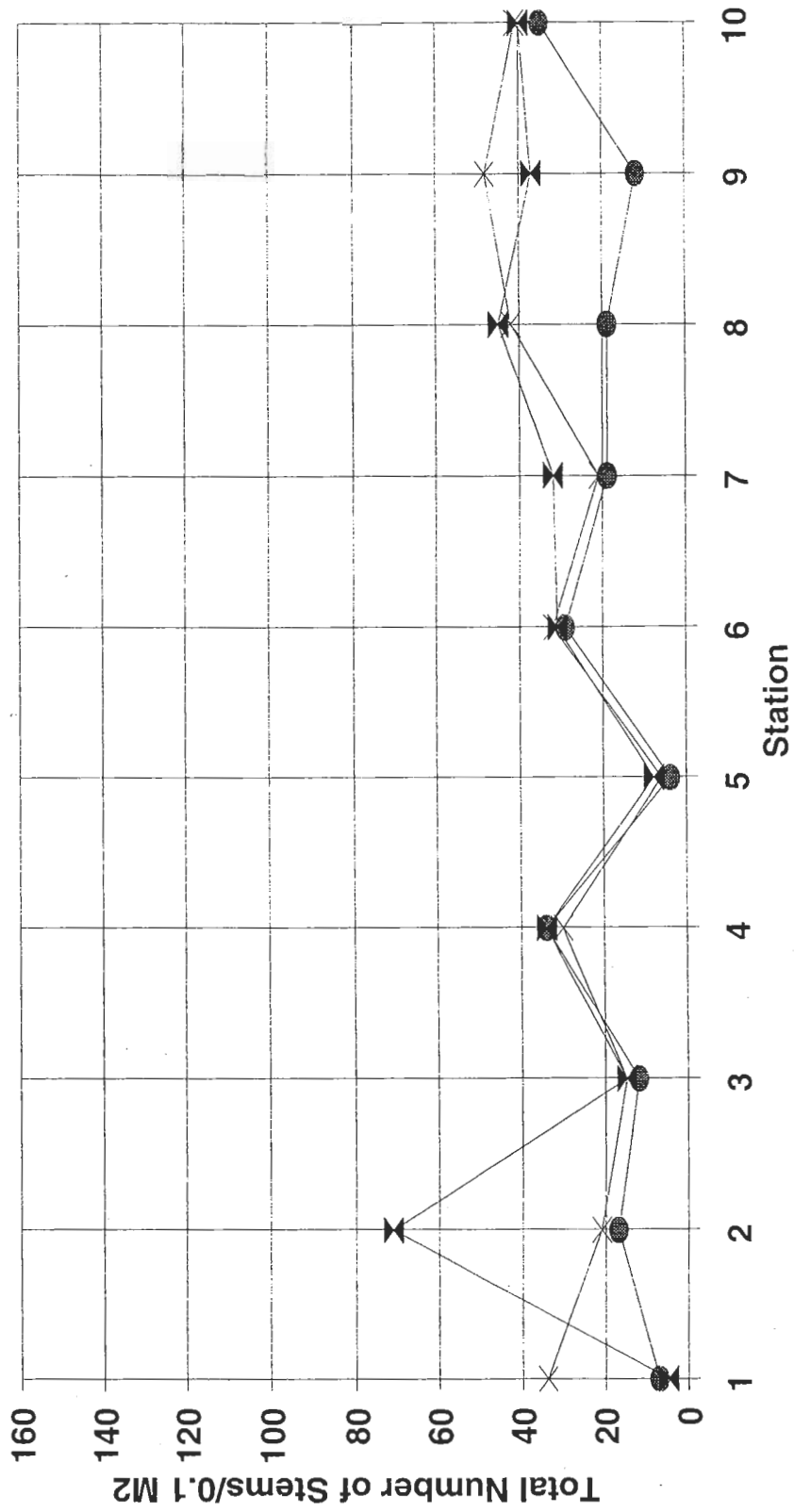
# Big Lake Macrophyte Pilot Project

## 2000 Control Plot 6 By Station



● 6/20-22/2000 \* 7/24-25/2000 x 8/28-30/2000

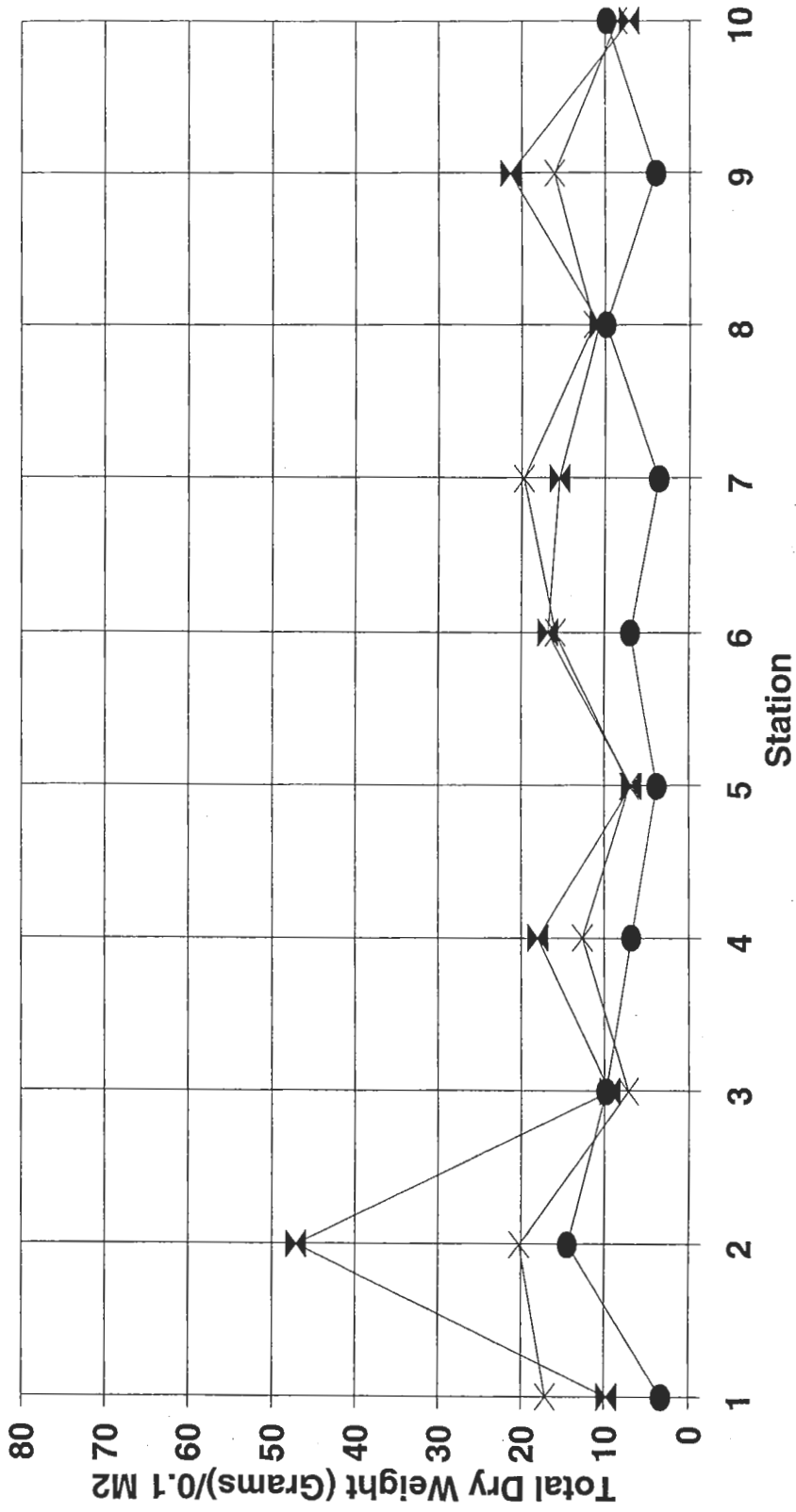
# Big Lake Macrophyte Pilot Project 2000 Control Plot 2 By Station



● 6/20-22/2000 \* 7/24-25/2000 x 8/28-30/2000

# Big Lake Macrophyte Pilot Project

## 2000 Control Plot 2 By Station



● 6/20-22/2000 \* 7/24-25/2000 x 8/28-30/2000

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 20 - 22, 2000	2	1	<i>Brasenia schreberi</i>	Watershield	5	1.220			
June 20 - 22, 2000	2	1	<i>Ceratophyllum demersum</i>	Coontail	2	2.010			
June 20 - 22, 2000	2	2	<i>Ceratophyllum demersum</i>	Coontail	3	6.450			6.450
June 20 - 22, 2000	2	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	9	2.880			
June 20 - 22, 2000	2	2	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	5	5.130			
June 20 - 22, 2000	2	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	1.430			
June 20 - 22, 2000	2	3	<i>Ceratophyllum demersum</i>	Coontail	4	2.410			
June 20 - 22, 2000	2	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	4	5.230			
June 20 - 22, 2000	2	3	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.590			
June 20 - 22, 2000	2	3	<i>Vallisneria americana</i>	Wild Celery	2	0.170			
June 20 - 22, 2000	2	4	<i>Vallisneria americana</i>	Wild Celery	29	3.150			
June 20 - 22, 2000	2	4	<i>Vallisneria americana</i>	Robbin's Pondweed	1	0.275			
June 20 - 22, 2000	2	4	<i>Potamogeton robbinsii</i>	Large-leaf Pondweed	4	3.360			
June 20 - 22, 2000	2	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	3.760			
June 20 - 22, 2000	2	5	<i>Ceratophyllum demersum</i>	Coontail	4	3.760			
June 20 - 22, 2000	2	6	<i>Potamogeton pectinatus</i>	Sago Pondweed	3	0.300			
June 20 - 22, 2000	2	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	2.070			
June 20 - 22, 2000	2	6	<i>Ceratophyllum demersum</i>	Coontail	1	0.275			
June 20 - 22, 2000	2	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	2.590			
June 20 - 22, 2000	2	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.112			
June 20 - 22, 2000	2	6	<i>Vallisneria americana</i>	Wild Celery	15	1.620			
June 20 - 22, 2000	2	7	<i>Ceratophyllum demersum</i>	Coontail	1	1.220			
June 20 - 22, 2000	2	7	<i>Vallisneria americana</i>	Wild Celery	17	2.170			
June 20 - 22, 2000	2	7	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.230			
June 20 - 22, 2000	2	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	14	3.450			
June 20 - 22, 2000	2	8	<i>Ceratophyllum demersum</i>	Coontail	4	6.350			
June 20 - 22, 2000	2	8	<i>Ranunculus sp.</i>	Water Buttercup	1	0.118			
June 20 - 22, 2000	2	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	5	2.130			
June 20 - 22, 2000	2	9	<i>Vallisneria americana</i>	Wild Celery	2	0.320			
June 20 - 22, 2000	2	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	0.940			
June 20 - 22, 2000	2	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.600			
June 20 - 22, 2000	2	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	28	7.450			
June 20 - 22, 2000	2	10	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	2	0.770			
June 20 - 22, 2000	2	10	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	3	1.070			
June 20 - 22, 2000	2	10	<i>Vallisneria americana</i>	Wild Celery	1	0.190			
June 20 - 22, 2000	2	10	<i>Ranunculus sp.</i>	Water Buttercup	1	0.360			
June 20 - 22, 2000	6	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	2.470			

6.210

Big Lake Pilot Treatment Program 2000

Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 20 - 22, 2000	6	1	<i>Ceratophyllum demersum</i>	Coontail	4	7.200			
June 20 - 22, 2000	6	2	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	7.730			
June 20 - 22, 2000	6	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	3	1.780			
June 20 - 22, 2000	6	2	<i>Ceratophyllum demersum</i>	Coontail	3	2.140			
June 20 - 22, 2000	6	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.190			
June 20 - 22, 2000	6	2	<i>Vallisneria americana</i>	Wild Celery	2	0.690			
June 20 - 22, 2000	6	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	2	3.200			
June 20 - 22, 2000	6	3	<i>Vallisneria americana</i>	Wild Celery	2	0.371			
June 20 - 22, 2000	6	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.144			
June 20 - 22, 2000	6	3	<i>Ceratophyllum demersum</i>	Coontail	7	10.320			
June 20 - 22, 2000	6	3	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	2	2.900			
June 20 - 22, 2000	6	4	<i>Ceratophyllum demersum</i>	Coontail	3	3.330			
June 20 - 22, 2000	6	4	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	50	13.680			
June 20 - 22, 2000	6	4	<i>Elodea canadensis</i>	Canada Waterweed	6	0.880			
June 20 - 22, 2000	6	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	2	1.290			
June 20 - 22, 2000	6	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	32	10.450			
June 20 - 22, 2000	6	5	<i>Ceratophyllum demersum</i>	Coontail	2	2.920			2.880
June 20 - 22, 2000	6	6	<i>Vallisneria americana</i>	Wild Celery	21	5.180			4.910
June 20 - 22, 2000	6	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	3.420			
June 20 - 22, 2000	6	6	<i>Potamogeton pectinatus</i>	Sago Pondweed	3	0.480			
June 20 - 22, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	14	20.360			
June 20 - 22, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	---	---			
June 20 - 22, 2000	6	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.220			
June 20 - 22, 2000	6	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	3.200			
June 20 - 22, 2000	6	8	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.420			
June 20 - 22, 2000	6	8	<i>Ceratophyllum demersum</i>	Coontail	2	1.430			
June 20 - 22, 2000	6	8	<i>P. pectinaus</i> and <i>Potamogeton sp.</i>	Sago and Narrow-leaf Pondweed	26	1.820			1.790
June 20 - 22, 2000	6	8	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.260			
June 20 - 22, 2000	6	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	3	0.350			
June 20 - 22, 2000	6	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	4	1.830			
June 20 - 22, 2000	6	9	<i>Ceratophyllum demersum</i>	Coontail	4	0.910			
June 20 - 22, 2000	6	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	14	6.710			
June 20 - 22, 2000	6	10	<i>Ceratophyllum demersum</i>	Coontail	2	3.200			
June 20 - 22, 2000	6	10	<i>Vallisneria americana</i>	Wild Celery	1	0.310			
July 24 - 25, 2000	2	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	28	11.140			
July 24 - 25, 2000	2	1	<i>Ceratophyllum demersum</i>	Coontail	3	4.550			
July 24 - 25, 2000	2	1	<i>Vallisneria americana</i>	Wild Celery	1	0.201			



Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	2	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	1.240			
July 24 - 25, 2000	2	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.203			
July 24 - 25, 2000	2	2	<i>Ceratophyllum demersum</i>	Coontail	3	2.770			
July 24 - 25, 2000	2	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	12	15.110			
July 24 - 25, 2000	2	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	--	--			
July 24 - 25, 2000	2	2	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	5	2.168			
July 24 - 25, 2000	2	3	<i>Ceratophyllum demersum</i>	Coontail	4	3.290			
July 24 - 25, 2000	2	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	5	1.900			
July 24 - 25, 2000	2	3	<i>Vallisneria americana</i>	Wild Celery	3	1.060			
July 24 - 25, 2000	2	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.650			
July 24 - 25, 2000	2	3	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	2	0.276			
July 24 - 25, 2000	2	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	11	8.190			
July 24 - 25, 2000	2	4	<i>Najas sp.</i>	Naid	1	0.028			
July 24 - 25, 2000	2	4	<i>Vallisneria americana</i>	Wild Celery	17	3.610			
July 24 - 25, 2000	2	4	<i>Ceratophyllum demersum</i>	Coontail	1	0.868			
July 24 - 25, 2000	2	5	<i>Ceratophyllum demersum</i>	Coontail	6	7.030			
July 24 - 25, 2000	2	6	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	--	1.276			
July 24 - 25, 2000	2	6	<i>Ceratophyllum demersum</i>	Coontail	2	2.460			
July 24 - 25, 2000	2	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	6	7.870			
July 24 - 25, 2000	2	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	0.961			
July 24 - 25, 2000	2	6	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	1	0.229			0.149
July 24 - 25, 2000	2	6	<i>Vallisneria americana</i>	Wild Celery	14	2.930			
July 24 - 25, 2000	2	6	<i>Najas sp.</i>	Naid	4	0.216			0.204
July 24 - 25, 2000	2	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	1.535			
July 24 - 25, 2000	2	7	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	1.265			
July 24 - 25, 2000	2	7	<i>Vallisneria americana</i>	Wild Celery	6	1.51			
July 24 - 25, 2000	2	7	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	7	14.93			
July 24 - 25, 2000	2	7	<i>Ceratophyllum demersum</i>	Coontail	1	0.493			
July 24 - 25, 2000	2	8	<i>Najas sp.</i>	Naid	1	0.020			0.018
July 24 - 25, 2000	2	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.261			0.239
July 24 - 25, 2000	2	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	6	1.581			
July 24 - 25, 2000	2	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	7	6.39			
July 24 - 25, 2000	2	8	<i>Vallisneria americana</i>	Wild Celery	25	2.96			
July 24 - 25, 2000	2	8	<i>Chara sp.</i>	Muskgrass	1	0.157			
July 24 - 25, 2000	2	9	<i>Vallisneria americana</i>	Wild Celery	25	5.600			
July 24 - 25, 2000	2	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	--	0.154			
July 24 - 25, 2000	2	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	1	0.206			

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	2	9	<i>Ceratophyllum demersum</i>	Coontail	2	1.750			
July 24 - 25, 2000	2	9	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	3	1.150			
July 24 - 25, 2000	2	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.730			
July 24 - 25, 2000	2	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	15	6.510			
July 24 - 25, 2000	2	10	<i>Eriocaulon sp.</i>	Pipewort	Many	1.449			
July 24 - 25, 2000	2	10	<i>Elodea canadensis</i>	Canada Waterweed	2	0.282			
July 24 - 25, 2000	2	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	7	3.490			
July 24 - 25, 2000	2	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	1.373			
July 24 - 25, 2000	2	10	<i>Vallisneria americana</i>	Wild Celery	28	1.970			
July 24 - 25, 2000	6	1	<i>Vallisneria americana</i>	Wild Celery	1	0.820			
July 24 - 25, 2000	6	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	0.783			0.750
July 24 - 25, 2000	6	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	0.947			
July 24 - 25, 2000	6	1	<i>Ceratophyllum demersum</i>	Coontail	6	11.710			
July 24 - 25, 2000	6	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	0.951			0.930
July 24 - 25, 2000	6	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	2	3.090			
July 24 - 25, 2000	6	2	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	5	8.500			
July 24 - 25, 2000	6	2	<i>Vallisneria americana</i>	Wild Celery	13	4.250			
July 24 - 25, 2000	6	2	<i>Ceratophyllum demersum</i>	Coontail	3	10.190			
July 24 - 25, 2000	6	3	<i>Elodea canadensis</i>	Canada Waterweed	5	0.851			
July 24 - 25, 2000	6	3	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	3.370			
July 24 - 25, 2000	6	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	4	3.150			3.330
July 24 - 25, 2000	6	3	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	4	0.509			
July 24 - 25, 2000	6	3	<i>Vallisneria americana</i>	Wild Celery	5	1.820			
July 24 - 25, 2000	6	3	<i>Ceratophyllum demersum</i>	Coontail	6	11.010			
July 24 - 25, 2000	6	4	<i>Ceratophyllum demersum</i>	Coontail	1	0.542			
July 24 - 25, 2000	6	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.298			
July 24 - 25, 2000	6	4	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.934			
July 24 - 25, 2000	6	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	8	8.690			
July 24 - 25, 2000	6	4	<i>Elodea canadensis</i>	Canada Waterweed	6	1.395			
July 24 - 25, 2000	6	5	<i>Vallisneria americana</i>	Wild Celery	4	1.500			
July 24 - 25, 2000	6	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	16	9.940			
July 24 - 25, 2000	6	5	<i>Elodea canadensis</i>	Canada Waterweed	9	1.118			1.047
July 24 - 25, 2000	6	5	<i>Ranunculus sp.</i>	Water Buttercup	1	0.834			
July 24 - 25, 2000	6	5	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	0.600			
July 24 - 25, 2000	6	5	<i>Ceratophyllum demersum</i>	Coontail	1	0.765			
July 24 - 25, 2000	6	6	<i>Vallisneria americana</i>	Wild Celery	7	3.323			
July 24 - 25, 2000	6	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	3.440			3.370
July 24 - 25, 2000	6	6	<i>Ranunculus sp.</i>	Water Buttercup	7	1.480			

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	6	6	<i>Najas sp.</i>	Naid	14	2.260			
July 24 - 25, 2000	6	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.371			15.860
July 24 - 25, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	6	16.220			
July 24 - 25, 2000	6	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	7	3.630			
July 24 - 25, 2000	6	8	<i>Elodea canadensis</i>	Canada Waterweed	2	0.197			
July 24 - 25, 2000	6	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	8.220			
July 24 - 25, 2000	6	8	<i>Ceratophyllum demersum</i>	Coontail	1	2.060			
July 24 - 25, 2000	6	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.819			
July 24 - 25, 2000	6	8	<i>Potamogeton pectinatus</i>	Sago Pondweed	Many	9.190			
July 24 - 25, 2000	6	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	0.830			
July 24 - 25, 2000	6	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	15	8.000			
July 24 - 25, 2000	6	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	1.320			
July 24 - 25, 2000	6	9	<i>Vallisneria americana</i>	Wild Celery	3	1.610			
July 24 - 25, 2000	6	9	<i>Ceratophyllum demersum</i>	Coontail	4	4.910			
July 24 - 25, 2000	6	9	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	3	0.520			
July 24 - 25, 2000	6	10	<i>Ceratophyllum demersum</i>	Coontail	1	0.153			
August 28 - 30, 2000	2	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	0.530			
August 28 - 30, 2000	2	1	<i>Ceratophyllum demersum</i>	Coontail	2	9.260			
August 28 - 30, 2000	2	2	<i>Ceratophyllum demersum</i>	Coontail	5	10.370			
August 28 - 30, 2000	2	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	26	16.440			
August 28 - 30, 2000	2	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	26	13.770			13.300
August 28 - 30, 2000	2	2	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	6	4.190			
August 28 - 30, 2000	2	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	1.310			
August 28 - 30, 2000	2	2	<i>Vallisneria americana</i>	Wild Celery	4	1.080			
August 28 - 30, 2000	2	3	<i>Ceratophyllum demersum</i>	Coontail	3	5.230			
August 28 - 30, 2000	2	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	8	1.230			
August 28 - 30, 2000	2	3	<i>Elodea canadensis</i>	Canada Waterweed	1	0.039			
August 28 - 30, 2000	2	3	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.920			
August 28 - 30, 2000	2	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	1.950			
August 28 - 30, 2000	2	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	14	13.290			
August 28 - 30, 2000	2	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.770			
August 28 - 30, 2000	2	4	<i>Vallisneria americana</i>	Wild Celery	9	2.070			0.720
August 28 - 30, 2000	2	4	<i>Zosterella dubia</i>	Mud Plainain	8	0.780			
August 28 - 30, 2000	2	4	<i>Ceratophyllum demersum</i>	Coontail	1	1.140			
August 28 - 30, 2000	2	5	<i>Ceratophyllum demersum</i>	Coontail	8	6.780			
August 28 - 30, 2000	2	6	<i>Ranunculus sp.</i>	Water Buttercup	4	0.731			

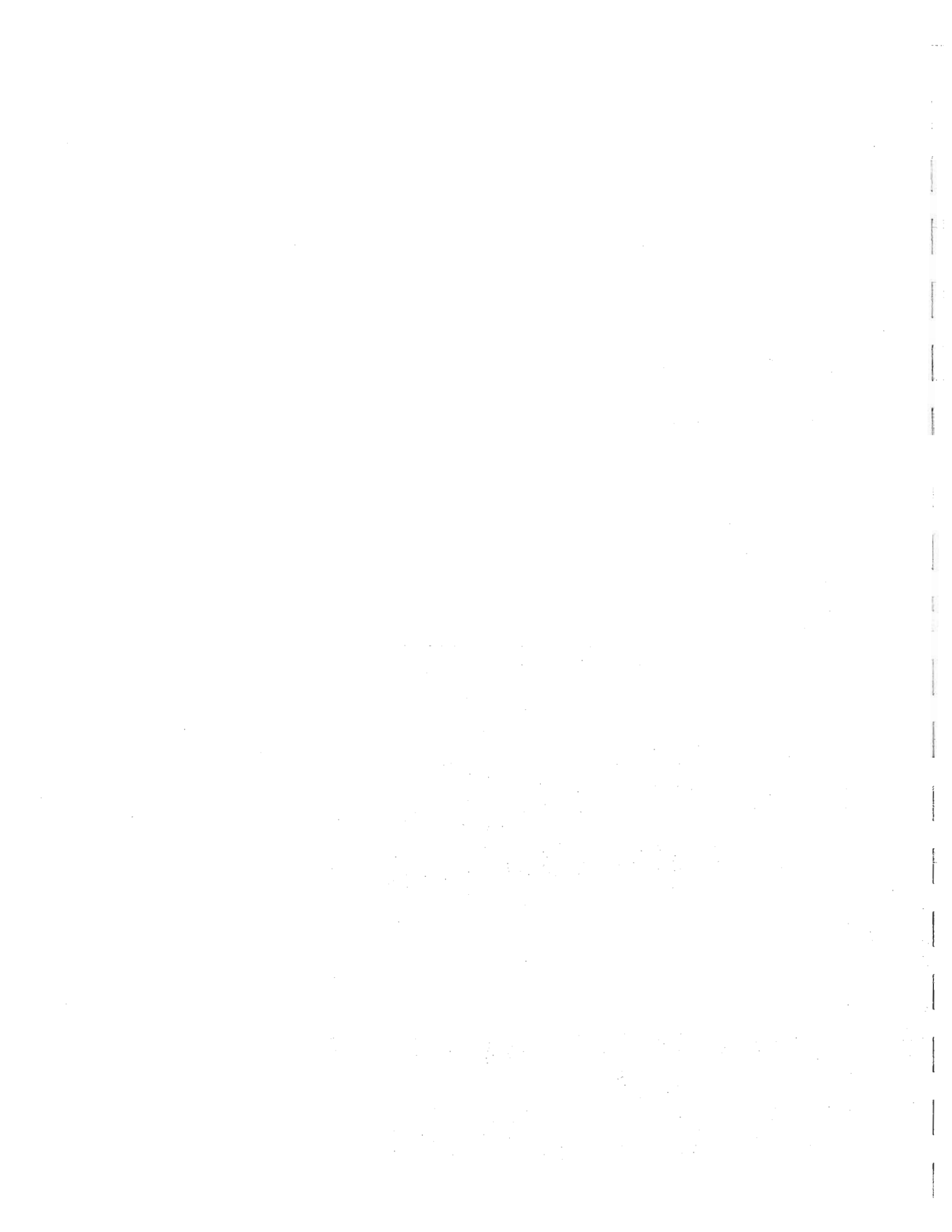
Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	2	6	<i>Najas</i> sp.	Naid	3	0.173			
August 28 - 30, 2000	2	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	10	13.400			
August 28 - 30, 2000	2	6	<i>Vallisneria americana</i>	Wild Celery	12	1.690			
August 28 - 30, 2000	2	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.840			
August 28 - 30, 2000	2	7	<i>Ceratophyllum demersum</i>	Coontail	4	9.200			
August 28 - 30, 2000	2	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	11	1.650			
August 28 - 30, 2000	2	7	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	4	2.660			
August 28 - 30, 2000	2	7	<i>Vallisneria americana</i>	Wild Celery	12	1.640			
August 28 - 30, 2000	2	7	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.328			
August 28 - 30, 2000	2	8	<i>Najas</i> sp.	Naid	1	0.221			
August 28 - 30, 2000	2	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	10	5.020			
August 28 - 30, 2000	2	8	<i>Vallisneria americana</i>	Wild Celery	34	5.520			
August 28 - 30, 2000	2	9	<i>Elodea canadensis</i>	Canada Waterweed	2	0.262			
August 28 - 30, 2000	2	9	<i>Ranunculus</i> sp.	Water Buttercup	1	0.519			
August 28 - 30, 2000	2	9	<i>Ceratophyllum demersum</i>	Coontail	2	2.010			
August 28 - 30, 2000	2	9	<i>Vallisneria americana</i>	Wild Celery	28	8.940			
August 28 - 30, 2000	2	9	<i>Vallisneria americana</i>	Wild Celery	—	5.400			
August 28 - 30, 2000	2	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	1.460			
August 28 - 30, 2000	2	9	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	3	2.740			
August 28 - 30, 2000	2	10	<i>Vallisneria americana</i>	Wild Celery	35	5.550			
August 28 - 30, 2000	2	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	1.440			
August 28 - 30, 2000	2	10	<i>Elodea canadensis</i>	Canada Waterweed	1	0.200			
August 28 - 30, 2000	6	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.105			
August 28 - 30, 2000	6	1	<i>Ceratophyllum demersum</i>	Coontail	8	17.210			
August 28 - 30, 2000	6	2	<i>Elodea canadensis</i>	Canada Waterweed	1	0.036			
August 28 - 30, 2000	6	2	<i>Ceratophyllum demersum</i>	Coontail	4	8.940			
August 28 - 30, 2000	6	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.059			
August 28 - 30, 2000	6	2	<i>Vallisneria americana</i>	Wild Celery	7	1.890			
August 28 - 30, 2000	6	2	<i>Vallisneria americana</i>	Wild Celery	5	6.890			1.400
August 28 - 30, 2000	6	3	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	—	—			
August 28 - 30, 2000	6	3	<i>Ceratophyllum demersum</i>	Coontail	1	1.890			
August 28 - 30, 2000	6	3	<i>Potamogeton</i> sp.	Narrow Leaf Pondweed	3	0.184			
August 28 - 30, 2000	6	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.095			
August 28 - 30, 2000	6	4	<i>Elodea canadensis</i>	Canada Waterweed	5	1.870			
August 28 - 30, 2000	6	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	9.930			
August 28 - 30, 2000	6	4	<i>Ceratophyllum demersum</i>	Coontail	2	3.880			
August 28 - 30, 2000	6	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.149			

Big Lake Pilot Treatment Program 2000  
Control: Plots 2 and 6

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	6	5	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	15.370			
August 28 - 30, 2000	6	5	<i>Ranunculus sp.</i>	Water Buttercup	2	1.680			
August 28 - 30, 2000	6	5	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	5	6.190			
August 28 - 30, 2000	6	5	<i>Ceratophyllum demersum</i>	Coontail	2	1.180			
August 28 - 30, 2000	6	5	<i>Elodea canadensis</i>	Canada Waterweed	34	6.520			
August 28 - 30, 2000	6	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	1.100			
August 28 - 30, 2000	6	6	<i>Ceratophyllum demersum</i>	Coontail	1	0.418			
August 28 - 30, 2000	6	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	5.190			
August 28 - 30, 2000	6	6	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	7	3.730			
August 28 - 30, 2000	6	6	<i>Vallisneria americana</i>	Wild Celery	24	6.270			
August 28 - 30, 2000	6	6	<i>Najas sp.</i>	Naid	2	0.548			
August 28 - 30, 2000	6	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	7	2.700			
August 28 - 30, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	11	10.900			
August 28 - 30, 2000	6	7	<i>Ceratophyllum demersum</i>	Coontail	—	14.290			
August 28 - 30, 2000	6	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	10	10.420			
August 28 - 30, 2000	6	8	<i>Vallisneria americana</i>	Wild Celery	6	1.570			
August 28 - 30, 2000	6	8	<i>Elodea canadensis</i>	Canada Waterweed	1	0.040			
August 28 - 30, 2000	6	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.860			
August 28 - 30, 2000	6	8	<i>Potamogeton pectinatus</i>	Sago Pondweed	4	0.560			
August 28 - 30, 2000	6	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	4	3.030			
August 28 - 30, 2000	6	9	<i>Vallisneria americana</i>	Wild Celery	13	8.140			
August 28 - 30, 2000	6	9	<i>Vallisneria americana</i>	Wild Celery	—	—			
August 28 - 30, 2000	6	9	<i>Ceratophyllum demersum</i>	Coontail	4	12.970			
August 28 - 30, 2000	6	10	No Plants	N/A	—	—			

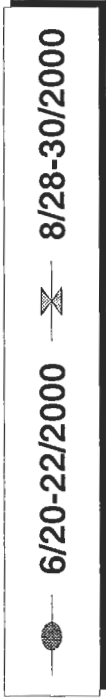
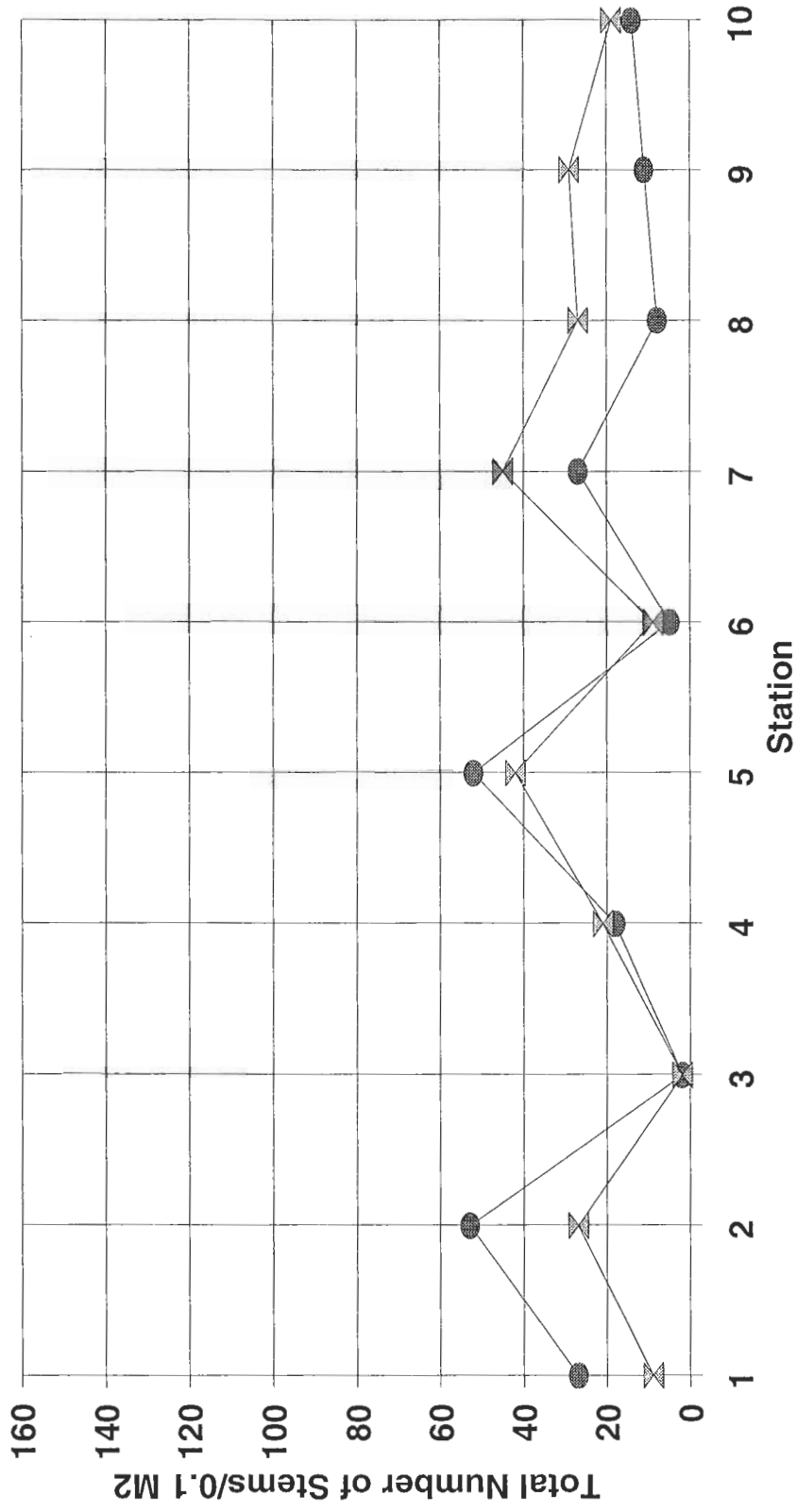
\* Scientific name change: *Myriophyllum sibiricum* (formerly known as *Myriophyllum exalbescens*).



*Appendix C-2*

**Herbicide Plots 4 and 8**

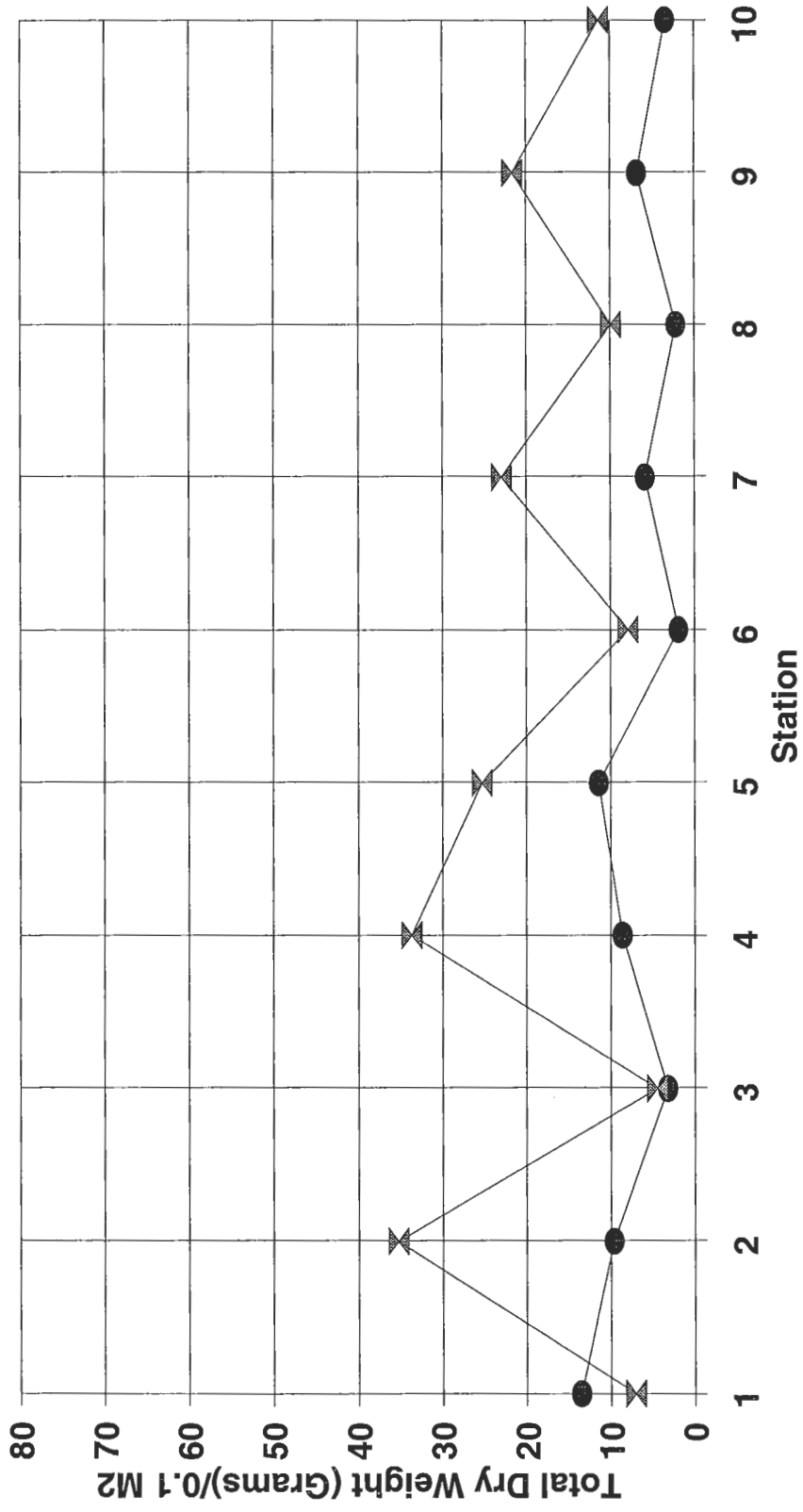
# Big Lake Macrophyte Pilot Project 2000 Herbicide Plot 4 By Station





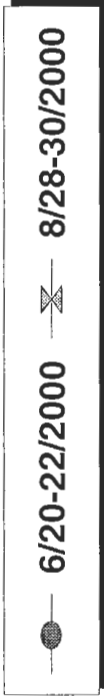
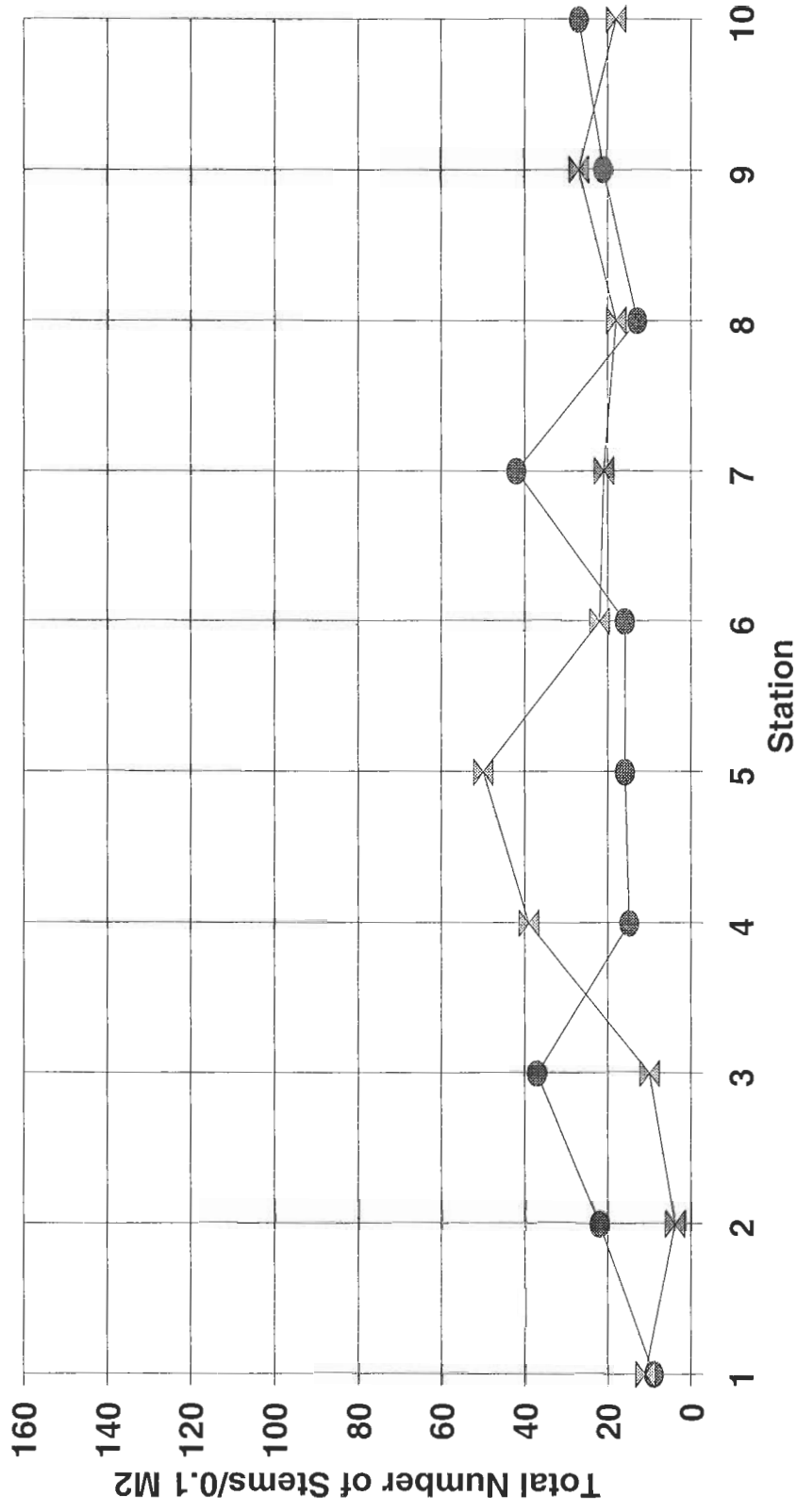
# Big Lake Macrophyte Pilot Project

## 2000 Herbicide Plot 4 By Station



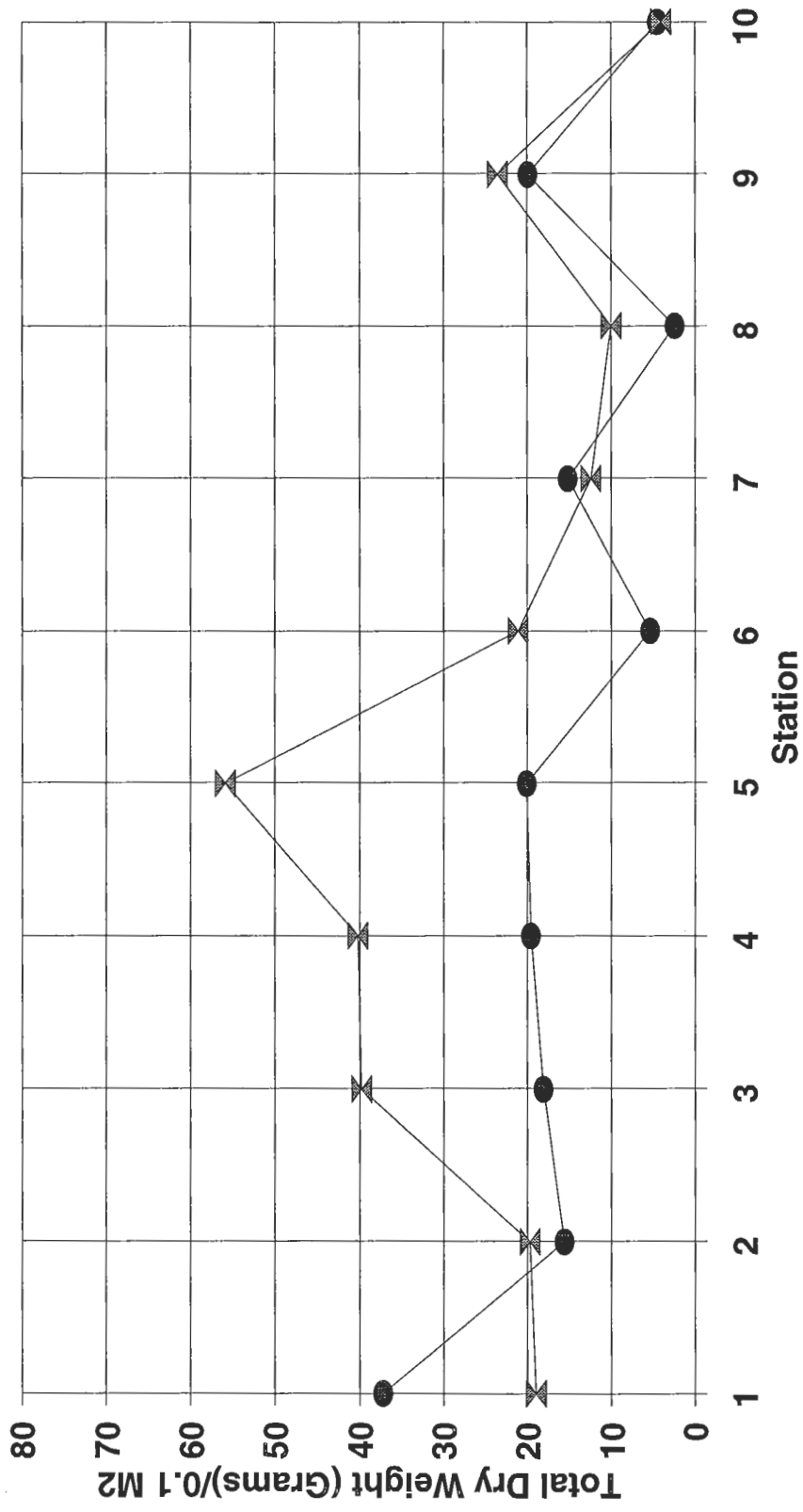
● 6/20-22/2000    x 8/28-30/2000

# Big Lake Macrophyte Pilot Project 2000 Herbicide Plot 8 By Station



# Big Lake Macrophyte Pilot Project

## 2000 Herbicide Plot 8 By Station



● 6/20-22/2000    x 8/28-30/2000

Big Lake Pilot Treatment Program  
Herbicide: Plots 4 and 8

Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 20 - 22, 2000	4	1	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	22	12.710			12.350
June 20 - 22, 2000	4	1	<i>Elodea canadensis</i>	Canada Waterweed	4	0.374			
June 20 - 22, 2000	4	1	<i>Ceratophyllum demersum</i>	Coontail	1	0.438			
June 20 - 22, 2000	4	2	<i>Vallisneria americana</i>	Wild Celery	3	0.570			
June 20 - 22, 2000	4	2	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	4	2.350			
June 20 - 22, 2000	4	2	<i>Elodea canadensis</i>	Canada Waterweed	22	2.720			
June 20 - 22, 2000	4	2	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	12	0.610			
June 20 - 22, 2000	4	2	<i>Zosterella dubia</i>	Mud Plaintain	2	0.104			
June 20 - 22, 2000	4	2	<i>Ceratophyllum demersum</i>	Coontail	1	1.090			
June 20 - 22, 2000	4	2	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	5	1.250			
June 20 - 22, 2000	4	2	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	4	1.000			
June 20 - 22, 2000	4	3	<i>Ceratophyllum demersum</i>	Coontail	1	3.060			2.900
June 20 - 22, 2000	4	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.235			
June 20 - 22, 2000	4	4	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	0.610			
June 20 - 22, 2000	4	4	<i>Ceratophyllum demersum</i>	Coontail	2	1.530			
June 20 - 22, 2000	4	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	11	6.500			6.350
June 20 - 22, 2000	4	5	<i>Elodea canadensis</i>	Canada Waterweed	5	0.330			
June 20 - 22, 2000	4	5	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	6	3.220			
June 20 - 22, 2000	4	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	7	2.350			
June 20 - 22, 2000	4	5	<i>Zosterella dubia</i>	Mud Plaintain	28	3.420			
June 20 - 22, 2000	4	5	<i>Vallisneria americana</i>	Wild Celery	4	0.800			
June 20 - 22, 2000	4	5	<i>Ceratophyllum demersum</i>	Coontail	2	1.320			
June 20 - 22, 2000	4	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.250			
June 20 - 22, 2000	4	6	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	2	1.240			
June 20 - 22, 2000	4	6	<i>Vallisneria americana</i>	Wild Celery	1	0.260			
June 20 - 22, 2000	4	6	<i>Ceratophyllum demersum</i>	Coontail	1	0.180			
June 20 - 22, 2000	4	7	<i>Vallisneria americana</i>	Wild Celery	22	4.260			
June 20 - 22, 2000	4	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.700			
June 20 - 22, 2000	4	7	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	2	0.480			
June 20 - 22, 2000	4	7	<i>Ceratophyllum demersum</i>	Coontail	1	0.490			
June 20 - 22, 2000	4	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	8	2.220			
June 20 - 22, 2000	4	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	3.550			
June 20 - 22, 2000	4	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.470			
June 20 - 22, 2000	4	9	<i>Ceratophyllum demersum</i>	Coontail	2	1.910			
June 20 - 22, 2000	4	9	<i>Vallisneria americana</i>	Wild Celery	3	0.244			
June 20 - 22, 2000	4	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	0.670			0.714

Big Lake Pilot Treatment Program  
Herbicide: Plots 4 and 8

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams
June 20 - 22, 2000	4	10	<i>Ceratophyllum demersum</i>	Coontail	7	2.440		
June 20 - 22, 2000	4	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.530		
June 20 - 22, 2000	4	10	<i>Vallisneria americana</i>	Wild Celery	3	0.350		
June 20 - 22, 2000	4	10	<i>Zosterella dubia</i>	Mud Plaintain	2	0.200		
June 20 - 22, 2000	8	1	<i>Ceratophyllum demersum</i>	Coontail	9	37.210		
June 20 - 22, 2000	8	1	<i>Ceratophyllum demersum</i>	Coontail	---	---		
June 20 - 22, 2000	8	1	<i>Ceratophyllum demersum</i>	Coontail	---	---		
June 20 - 22, 2000	8	2	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	1.780		
June 20 - 22, 2000	8	2	<i>Ceratophyllum demersum</i>	Coontail	1	3.850		
June 20 - 22, 2000	8	2	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	17	10.010		
June 20 - 22, 2000	8	2	<i>Potamogeton pectinatus</i>	Sago Pondweed	2	0.039		
June 20 - 22, 2000	8	3	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	21	7.780		
June 20 - 22, 2000	8	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	13	5.290		
June 20 - 22, 2000	8	3	<i>Ceratophyllum demersum</i>	Coontail	3	5.070		
June 20 - 22, 2000	8	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	4	2.240		
June 20 - 22, 2000	8	4	<i>Ceratophyllum demersum</i>	Coontail	11	7.370		
June 20 - 22, 2000	8	4	<i>Ceratophyllum demersum</i>	Coontail	---	9.960		
June 20 - 22, 2000	8	5	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	10	7.970		
June 20 - 22, 2000	8	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.900		
June 20 - 22, 2000	8	5	<i>Ceratophyllum demersum</i>	Coontail	5	11.250		
June 20 - 22, 2000	8	6	<i>Potamogeton pectinatus</i>	Sago Pondweed	4	0.165		
June 20 - 22, 2000	8	6	<i>Vallisneria americana</i>	Wild Celery	4	0.650		
June 20 - 22, 2000	8	6	<i>Ceratophyllum demersum</i>	Coontail	1	1.430		
June 20 - 22, 2000	8	6	<i>Elodea canadensis</i>	Canada Waterweed	3	0.720		
June 20 - 22, 2000	8	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	2.470		
June 20 - 22, 2000	8	7	<i>Ceratophyllum demersum</i>	Coontail	3	3.210		
June 20 - 22, 2000	8	7	<i>Vallisneria americana</i>	Wild Celery	13	1.710		
June 20 - 22, 2000	8	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	23	8.490		
June 20 - 22, 2000	8	7	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	3	1.730		
June 20 - 22, 2000	8	8	<i>Vallisneria americana</i>	Wild Celery	13	2.460		
June 20 - 22, 2000	8	9	<i>Ceratophyllum demersum</i>	Coontail	6	11.960		
June 20 - 22, 2000	8	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	15	8.010		
June 20 - 22, 2000	8	10	<i>Vallisneria americana</i>	Wild Celery	26	4.170		
June 20 - 22, 2000	8	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	0.317		
August 28 - 30, 2000	4	1	<i>Elodea canadensis</i>	Canada Waterweed	7	0.660		
August 28 - 30, 2000	4	1	<i>Ceratophyllum demersum</i>	Coontail	2	6.460		
August 28 - 30, 2000	4	2	<i>Potamogeton pectinatus</i>	Sago Pondweed	2	2.260		
August 28 - 30, 2000	4	2	<i>Vallisneria americana</i>	Wild Celery	1	0.571		

Big Lake Pilot Treatment Program  
Herbicide: Plots 4 and 8

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	4	2	<i>Potamogeton</i> sp.	Narrow Leaf Pondweed	1	0.261			
August 28 - 30, 2000	4	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	0.339			
August 28 - 30, 2000	4	2	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	2	2.560			2.510
August 28 - 30, 2000	4	2	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.345			
August 28 - 30, 2000	4	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.115			
August 28 - 30, 2000	4	2	<i>Vallisneria americana</i>	Wild Celery	14	3.320			
August 28 - 30, 2000	4	2	<i>Ceratophyllum demersum</i>	Coontail	4	8.890			
August 28 - 30, 2000	4	2	<i>Ceratophyllum demersum</i>	Coontail	—	16.640			
August 28 - 30, 2000	4	2	<i>Ceratophyllum demersum</i>	Coontail	2	4.500			
August 28 - 30, 2000	4	3	<i>Ceratophyllum demersum</i>	Coontail	1	0.075			
August 28 - 30, 2000	4	4	<i>Vallisneria americana</i>	Wild Celery	1	0.880			
August 28 - 30, 2000	4	4	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.880			
August 28 - 30, 2000	4	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	7	2.570			
August 28 - 30, 2000	4	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	6	10.600			10.470
August 28 - 30, 2000	4	4	<i>Ceratophyllum demersum</i>	Coontail	6	19.570			
August 28 - 30, 2000	4	4	<i>Ceratophyllum demersum</i>	Coontail	—	—			
August 28 - 30, 2000	4	5	<i>Vallisneria americana</i>	Wild Celery	17	6.600			
August 28 - 30, 2000	4	5	<i>Ceratophyllum demersum</i>	Coontail	1	1.370			
August 28 - 30, 2000	4	5	<i>Ceratophyllum demersum</i>	Canada Waterweed	1	0.483			
August 28 - 30, 2000	4	5	<i>Elodea canadensis</i>	Mud Plaintain	10	1.530			
August 28 - 30, 2000	4	5	<i>Zosterella dubia</i>	Flat-stemmed Pondweed	1	0.158			
August 28 - 30, 2000	4	5	<i>Potamogeton zosteriformis</i>	Robbin's Pondweed	1	0.484			
August 28 - 30, 2000	4	5	<i>Potamogeton robbinsii</i>	Large-leaf Pondweed	11	14.680			
August 28 - 30, 2000	4	6	<i>Potamogeton amplifolius</i>	Wild Celery	5	3.640			
August 28 - 30, 2000	4	6	<i>Vallisneria americana</i>	Coontail	4	4.330			
August 28 - 30, 2000	4	7	<i>Ceratophyllum demersum</i>	Northern Watermilfoil	5	13.520			
August 28 - 30, 2000	4	7	<i>Myriophyllum sibiricum</i>	Wild Celery	31	5.670			
August 28 - 30, 2000	4	7	<i>Vallisneria americana</i>	Grass-leaved Pondweed	7	2.500			
August 28 - 30, 2000	4	7	<i>Potamogeton gramineus</i>	Large-leaf Pondweed	2	1.280			
August 28 - 30, 2000	4	7	<i>Potamogeton amplifolius</i>	Northern Watermilfoil	1	0.235			
August 28 - 30, 2000	4	8	<i>Myriophyllum sibiricum</i>	Wild Celery	1	0.053			
August 28 - 30, 2000	4	8	<i>Vallisneria americana</i>	Flat-stemmed Pondweed	22	7.320			
August 28 - 30, 2000	4	8	<i>Potamogeton zosteriformis</i>	Large-leaf Pondweed	3	2.340			
August 28 - 30, 2000	4	8	<i>Potamogeton amplifolius</i>	Wild Celery	4	1.560			
August 28 - 30, 2000	4	9	<i>Vallisneria americana</i>	Robbin's Pondweed	13	9.070			
August 28 - 30, 2000	4	9	<i>Potamogeton robbinsii</i>	Claspingleaf Pondweed	2	1.750			
August 28 - 30, 2000	4	9	<i>Potamogeton richardsonii</i>	Flat-stemmed Pondweed	2	0.571			
August 28 - 30, 2000	4	9	<i>Potamogeton zosteriformis</i>	Canada Waterweed	1	0.086			
August 28 - 30, 2000	4	9	<i>Elodea canadensis</i>	Coontail	7	8.570			
August 28 - 30, 2000	4	9	<i>Ceratophyllum demersum</i>						

Big Lake Pilot Treatment Program  
Herbicide: Plots 4 and 8

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	4	10	<i>Elodea canadensis</i>	Canada Waterweed	1	0.180			
August 28 - 30, 2000	4	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	3	1.130			
August 28 - 30, 2000	4	10	<i>Ceratophyllum demersum</i>	Coontail	2	4.670			
August 28 - 30, 2000	4	10	<i>Vallisneria americana</i>	Wild Celery	13	5.450			
August 28 - 30, 2000	8	1	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	3	2.900			
August 28 - 30, 2000	8	1	<i>Elodea canadensis</i>	Canada Waterweed	3	0.890			
August 28 - 30, 2000	8	1	<i>Ceratophyllum demersum</i>	Coontail	5	15.180			
August 28 - 30, 2000	8	1	<i>Ceratophyllum demersum</i>	Coontail	—	—			
August 28 - 30, 2000	8	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.063			
August 28 - 30, 2000	8	2	<i>Elodea canadensis</i>	Canada Waterweed	1	0.046			
August 28 - 30, 2000	8	2	<i>Ceratophyllum demersum</i>	Coontail	2	10.750			
August 28 - 30, 2000	8	2	<i>Zosterella dubia</i>	Mud Plaintain	50+	8.870			
August 28 - 30, 2000	8	3	<i>Ceratophyllum demersum</i>	Coontail	10	37.840			
August 28 - 30, 2000	8	3	<i>Ceratophyllum demersum</i>	Coontail	—	—			
August 28 - 30, 2000	8	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	pieces	1.950			1.930
August 28 - 30, 2000	8	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	30	11.710			
August 28 - 30, 2000	8	4	<i>Elodea canadensis</i>	Canada Waterweed	1	0.038			
August 28 - 30, 2000	8	4	<i>Ceratophyllum demersum</i>	Coontail	8	28.490			
August 28 - 30, 2000	8	4	<i>Ceratophyllum demersum</i>	Coontail	—	—			
August 28 - 30, 2000	8	5	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	40	22.150			
August 28 - 30, 2000	8	5	<i>Ceratophyllum demersum</i>	Coontail	6	15.340			
August 28 - 30, 2000	8	5	<i>Ceratophyllum demersum</i>	Coontail	—	15.310			
August 28 - 30, 2000	8	5	<i>Ceratophyllum richardsonii</i>	Claspingleaf Pondweed	2	1.480			
August 28 - 30, 2000	8	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	1.670			
August 28 - 30, 2000	8	6	<i>Elodea canadensis</i>	Canada Waterweed	13	3.050			
August 28 - 30, 2000	8	6	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	MANY	9.580			
August 28 - 30, 2000	8	6	<i>Vallisneria americana</i>	Wild Celery	6	2.580			
August 28 - 30, 2000	8	6	<i>Ceratophyllum demersum</i>	Coontail	3	5.890			
August 28 - 30, 2000	8	7	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	5	2.440			
August 28 - 30, 2000	8	7	<i>Vallisneria americana</i>	Wild Celery	11	5.970			
August 28 - 30, 2000	8	7	<i>Ceratophyllum demersum</i>	Coontail	1	2.660			
August 28 - 30, 2000	8	7	<i>Elodea canadensis</i>	Canada Waterweed	1	0.083			
August 28 - 30, 2000	8	7	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	1.060			
August 28 - 30, 2000	8	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.218			
August 28 - 30, 2000	8	8	<i>Vallisneria americana</i>	Wild Celery	16	6.480			
August 28 - 30, 2000	8	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	1.110			
August 28 - 30, 2000	8	8	<i>Ceratophyllum demersum</i>	Coontail	1	2.440			
August 28 - 30, 2000	8	9	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	3	2.410			

Big Lake Pilot Treatment Program  
 Herbicide: Plots 4 and 8

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	8	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	5	3.310			
August 28 - 30, 2000	8	9	<i>Vallisneria americana</i>	Wild Celery	10	2.610			
August 28 - 30, 2000	8	9	<i>Ceratophyllum demersum</i>	Coontail	9	15.250			
August 28 - 30, 2000	8	10	<i>Vallisneria americana</i>	Wild Celery	13	3.350			
August 28 - 30, 2000	8	10	<i>Ceratophyllum demersum</i>	Coontail	1	0.343			
August 28 - 30, 2000	8	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	0.367			

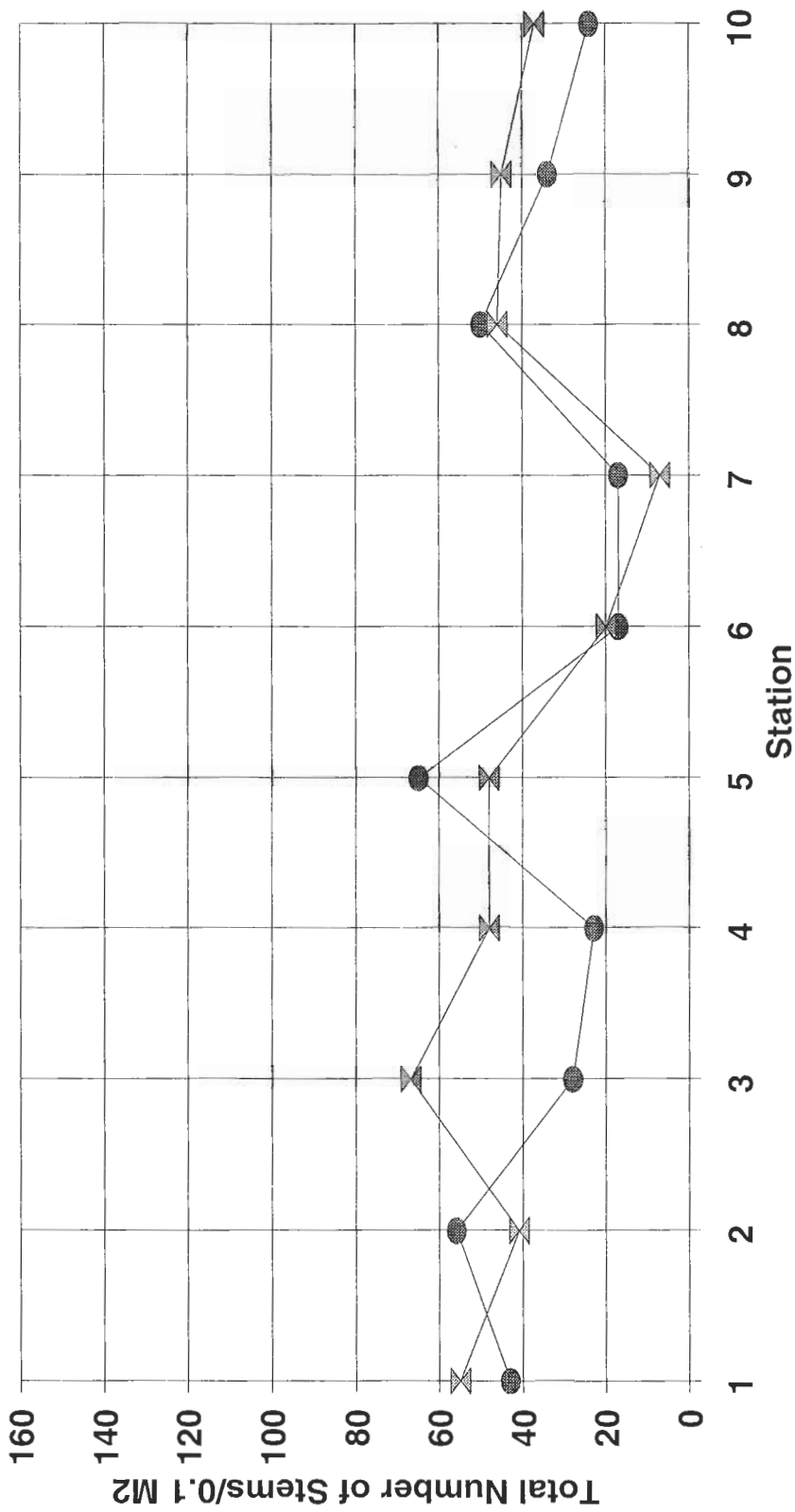
\* Scientific name change: *Myriophyllum sibiricum* (formerly known as *Myriophyllum exalbescens*).



*Appendix C-3*

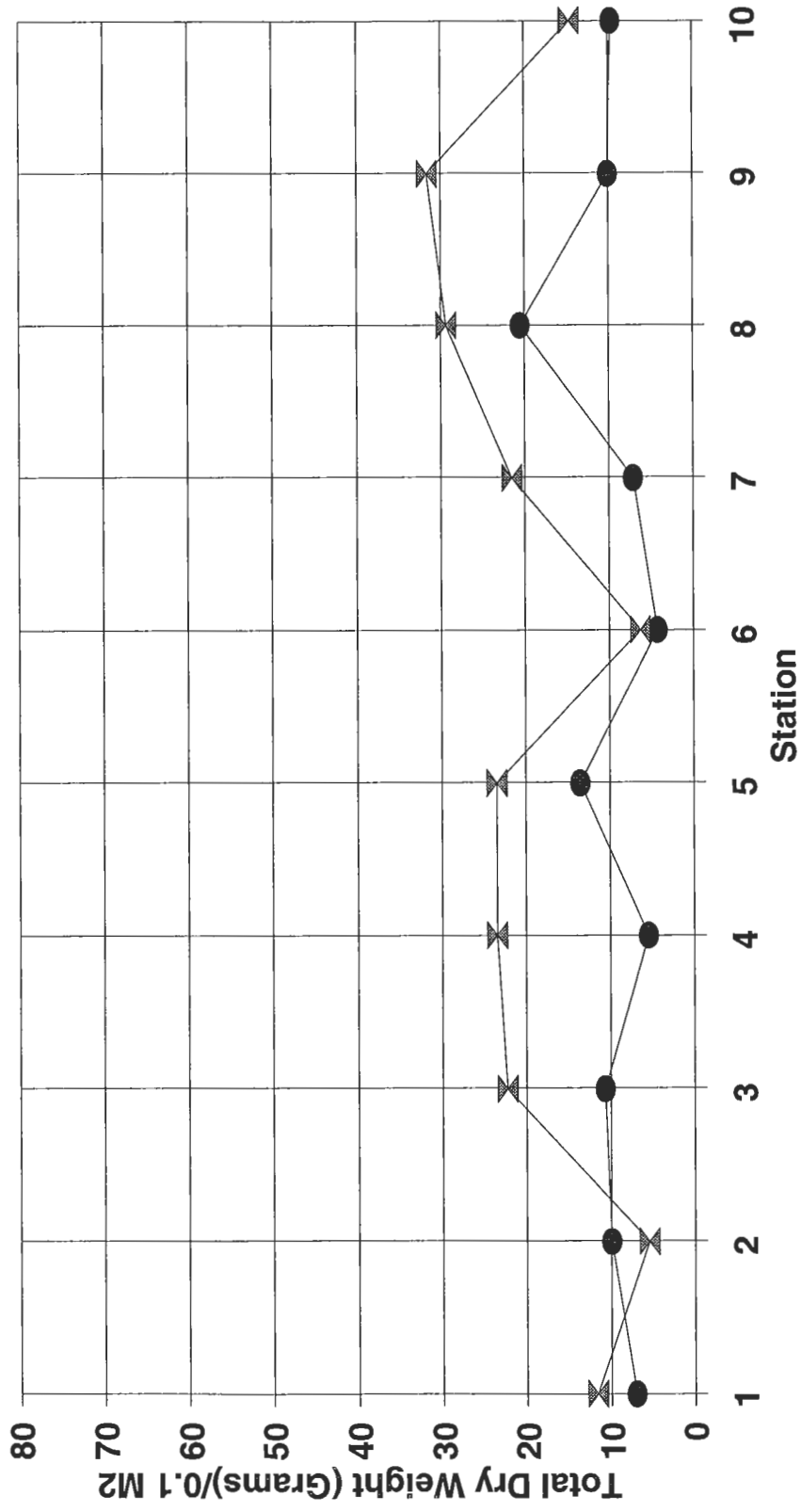
**Harvesting Plots 3 and 7**

# Big Lake Macrophyte Pilot Project 2000 Harvesting Plot 3 By Station



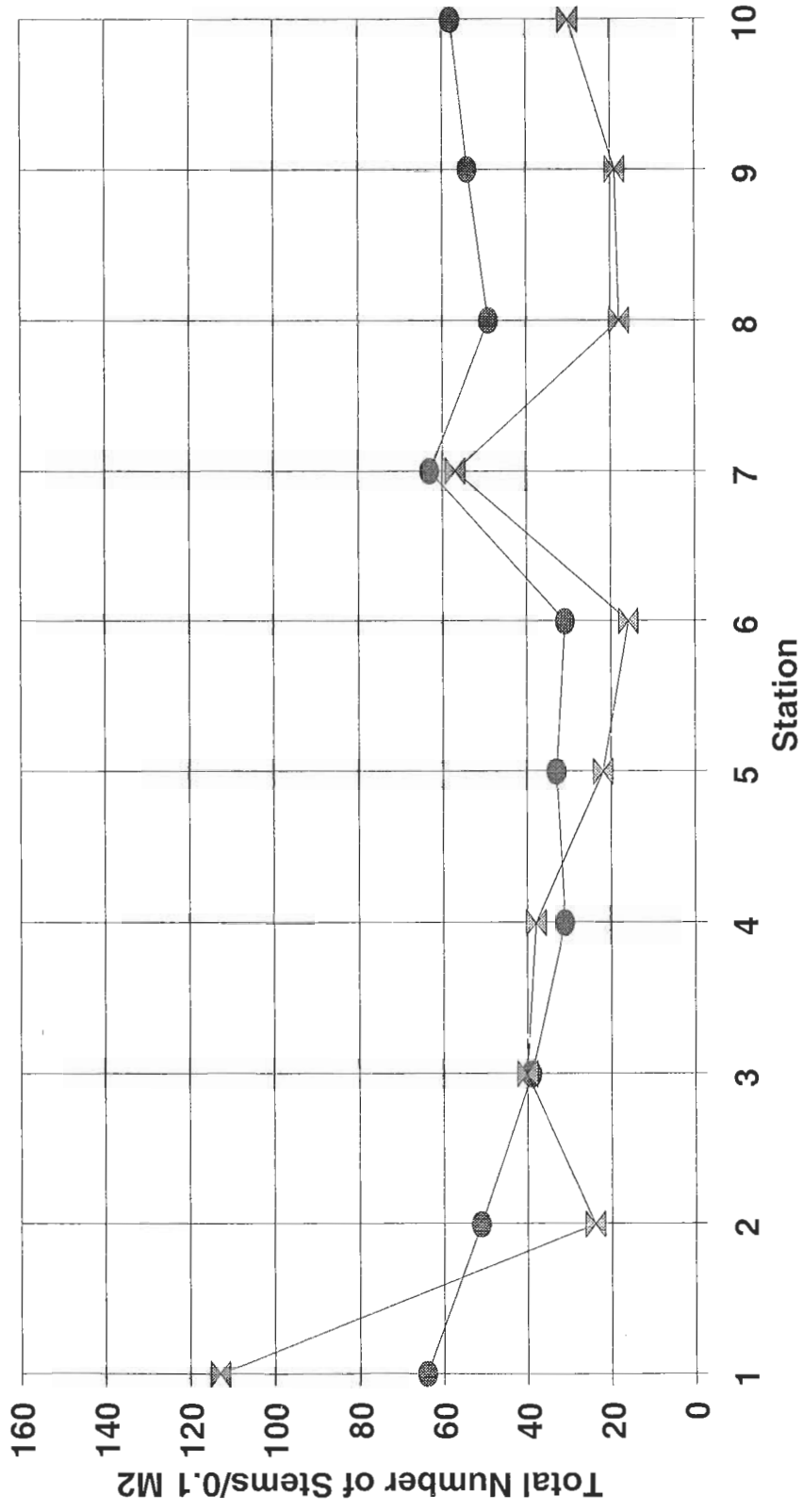
6/20-22/2000    X    8/28-30/2000

# Big Lake Macrophyte Pilot Project 2000 Harvesting Plot 3 By Station



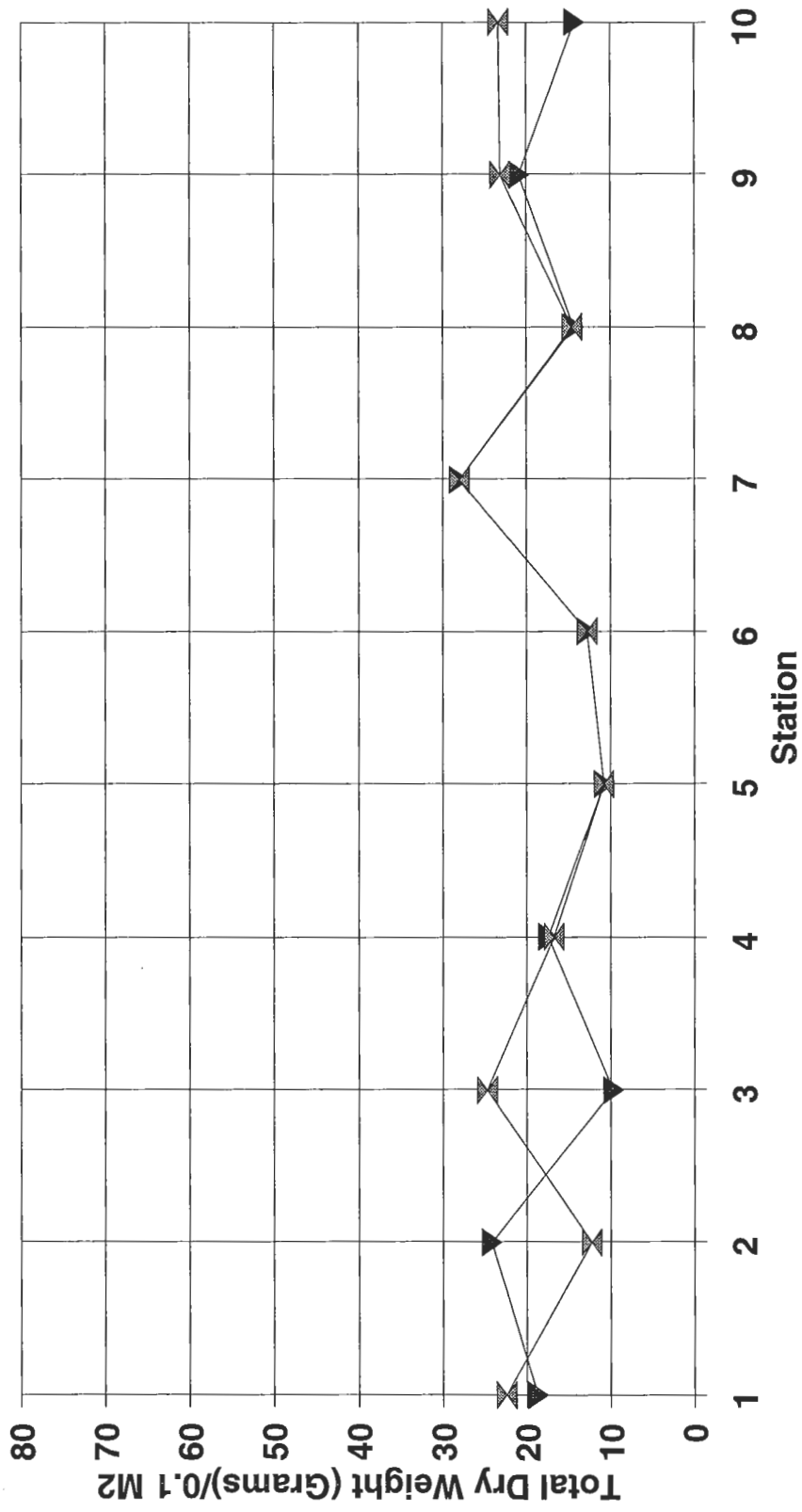
● 6/20-22/2000    x 8/28-30/2000

# Big Lake Macrophyte Pilot Project 2000 Harvesting Plot 7 By Station



● 6/20-22/2000    x 8/28-30/2000

# Big Lake Macrophyte Pilot Project 2000 Harvesting Plot 7 By Station



▲ 6/20-22/2000    ✕ 8/28-30/2000

Big Lake Pilot Treatment Program 2000

Harvesting: Plot 3 and 7

June 20 - 22, 2000	3	1	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	3	2.430
June 20 - 22, 2000	3	1	<i>Vallisneria americana</i>	Wild Celery	34	3.590
June 20 - 22, 2000	3	1	<i>Elodea canadensis</i>	Canada Waterweed	5	0.790
June 20 - 22, 2000	3	1	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.223
June 20 - 22, 2000	3	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	3.270
June 20 - 22, 2000	3	2	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	7	0.527
June 20 - 22, 2000	3	2	<i>Vallisneria americana</i>	Wild Celery	18	1.850
June 20 - 22, 2000	3	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	0.910
June 20 - 22, 2000	3	2	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	1	0.262
June 20 - 22, 2000	3	2	<i>Elodea canadensis</i>	Canada Waterweed	22	3.100
June 20 - 22, 2000	3	3	<i>Ceratophyllum demersum</i>	Coontail	1	0.058
June 20 - 22, 2000	3	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	1.880
June 20 - 22, 2000	3	3	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	10	4.070
June 20 - 22, 2000	3	3	<i>Vallisneria americana</i>	Wild Celery	7	1.570
June 20 - 22, 2000	3	3	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	7	3.130
June 20 - 22, 2000	3	4	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	5	0.650
June 20 - 22, 2000	3	4	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.286
June 20 - 22, 2000	3	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.231
June 20 - 22, 2000	3	4	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	1	0.011
June 20 - 22, 2000	3	4	<i>Ranunculus sp.</i>	Water Buttercup	3	1.570
June 20 - 22, 2000	3	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	1.180
June 20 - 22, 2000	3	4	<i>Vallisneria americana</i>	Wild Celery	11	1.540
June 20 - 22, 2000	3	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	50	9.780
June 20 - 22, 2000	3	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	---	---
June 20 - 22, 2000	3	5	<i>Ranunculus sp.</i>	Water Buttercup	1	0.193
June 20 - 22, 2000	3	5	<i>Ceratophyllum demersum</i>	Coontail	1	0.340
June 20 - 22, 2000	3	5	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	6	1.580
June 20 - 22, 2000	3	5	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	4	1.120
June 20 - 22, 2000	3	5	<i>Vallisneria americana</i>	Wild Celery	3	0.510
June 20 - 22, 2000	3	6	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	6	1.780
June 20 - 22, 2000	3	6	<i>Ceratophyllum demersum</i>	Coontail	1	0.104
June 20 - 22, 2000	3	6	<i>Vallisneria americana</i>	Wild Celery	1	0.082
June 20 - 22, 2000	3	6	<i>Ranunculus sp.</i>	Water Buttercup	4	1.670
June 20 - 22, 2000	3	6	<i>Zosterella dubia</i>	Mud Plaintain	3	0.197
June 20 - 22, 2000	3	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.157

0.87

3.10

Big Lake Pilot Treatment Program 2000  
Harvesting: Plot 3 and 7

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 20 - 22, 2000	3	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	2.120			1.99
June 20 - 22, 2000	3	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	12	3.690			
June 20 - 22, 2000	3	7	<i>Ceratophyllum demersum</i>	Coontail	5	3.500			
June 20 - 22, 2000	3	8	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	3	1.360			
June 20 - 22, 2000	3	8	<i>Ceratophyllum demersum</i>	Coontail	1	1.580			
June 20 - 22, 2000	3	8	<i>Ranunculus sp.</i>	Water Buttercup	1	0.384			
June 20 - 22, 2000	3	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	14	12.870			
June 20 - 22, 2000	3	8	<i>Vallisneria americana</i>	Wild Celery	30	4.300			
June 20 - 22, 2000	3	8	<i>Elodea canadensis</i>	Canada Waterweed	1	0.055			
June 20 - 22, 2000	3	9	<i>Vallisneria americana</i>	Wild Celery	14	2.120			
June 20 - 22, 2000	3	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	7	2.150			
June 20 - 22, 2000	3	9	<i>Ceratophyllum demersum</i>	Coontail	1	0.620			
June 20 - 22, 2000	3	9	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	11	4.190			
June 20 - 22, 2000	3	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	1.050			
June 20 - 22, 2000	3	10	<i>Vallisneria americana</i>	Wild Celery	3	0.400			
June 20 - 22, 2000	3	10	<i>Ceratophyllum demersum</i>	Coontail	2	1.610			
June 20 - 22, 2000	3	10	<i>Ranunculus sp.</i>	Water Buttercup	1	0.540			
June 20 - 22, 2000	3	10	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	4	1.430			
June 20 - 22, 2000	3	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	1.740			
June 20 - 22, 2000	3	10	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	10	3.990			
June 20 - 22, 2000	7	1	<i>Elodea canadensis</i>	Canada Waterweed	45	8.970			
June 20 - 22, 2000	7	1	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	0.510			
June 20 - 22, 2000	7	1	<i>Ceratophyllum demersum</i>	Coontail	4	6.580			
June 20 - 22, 2000	7	1	<i>Vallisneria americana</i>	Wild Celery	1	0.017			
June 20 - 22, 2000	7	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	13	2.610			
June 20 - 22, 2000	7	2	<i>Ranunculus sp.</i>	Water Buttercup	4	1.870			
June 20 - 22, 2000	7	2	<i>Lemna trisulca</i>	Star Duckweed	MANY	3.480			
June 20 - 22, 2000	7	2	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	1	0.192			
June 20 - 22, 2000	7	2	<i>Elodea canadensis</i>	Canada Waterweed	4	0.408			
June 20 - 22, 2000	7	2	<i>Ceratophyllum demersum</i>	Coontail	5	6.820			
June 20 - 22, 2000	7	2	<i>Ranunculus sp.</i>	Water Buttercup	2	0.480			
June 20 - 22, 2000	7	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	16	8.960			
June 20 - 22, 2000	7	2	<i>Vallisneria americana</i>	Wild Celery	19	1.980			
June 20 - 22, 2000	7	3	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	11	4.570			
June 20 - 22, 2000	7	3	<i>Vallisneria americana</i>	Wild Celery	19	1.900			
June 20 - 22, 2000	7	3	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	2.290			
June 20 - 22, 2000	7	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	0.940			

Big Lake Pilot Treatment Program 2000  
Harvesting: Plot 3 and 7

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
June 20 - 22, 2000	7	4	<i>Ranunculus sp.</i>	Water Buttercup	1	0.109			
June 20 - 22, 2000	7	4	<i>Vallisneria americana</i>	Wild Celery	4	0.380			
June 20 - 22, 2000	7	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	25	16.910			
June 20 - 22, 2000	7	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	---	---			
June 20 - 22, 2000	7	4	<i>Potamogeton pectinatus</i>	Sago Pondweed	1	0.055			
June 20 - 22, 2000	7	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	20	7.850			
June 20 - 22, 2000	7	5	<i>Zosterella dubia</i>	Mud Plaintain	6	0.710			0.676
June 20 - 22, 2000	7	5	<i>Vallisneria americana</i>	Wild Celery	3	0.442			
June 20 - 22, 2000	7	5	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	4	1.810			
June 20 - 22, 2000	7	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	3	1.110			
June 20 - 22, 2000	7	6	<i>Potamogeton pectinatus</i>	Sago Pondweed	4	0.569			
June 20 - 22, 2000	7	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	2	0.500			
June 20 - 22, 2000	7	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.266			
June 20 - 22, 2000	7	6	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	5	4.450			
June 20 - 22, 2000	7	6	<i>Ranunculus sp.</i>	Water Buttercup	7	0.760			
June 20 - 22, 2000	7	6	<i>Elodea canadensis</i>	Canada Waterweed	2	0.119			
June 20 - 22, 2000	7	6	<i>Vallisneria americana</i>	Wild Celery	3	0.760			
June 20 - 22, 2000	7	6	<i>Ceratophyllum demersum</i>	Coontail	3	4.300			
June 20 - 22, 2000	7	7	<i>Ceratophyllum demersum</i>	Coontail	9	11.290			
June 20 - 22, 2000	7	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	54	16.770			
June 20 - 22, 2000	7	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	---	---			
June 20 - 22, 2000	7	8	<i>Ceratophyllum demersum</i>	Coontail	2	1.060			1.054
June 20 - 22, 2000	7	8	<i>Potamogeton pectinatus</i>	Sago Pondweed	10	0.590			
June 20 - 22, 2000	7	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	20	4.460			
June 20 - 22, 2000	7	8	<i>Vallisneria americana</i>	Wild Celery	2	0.307			
June 20 - 22, 2000	7	8	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	14	7.230			
June 20 - 22, 2000	7	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.700			
June 20 - 22, 2000	7	9	<i>Ceratophyllum demersum</i>	Coontail	6	5.580			
June 20 - 22, 2000	7	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	48	15.330			
June 20 - 22, 2000	7	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	---	---			
June 20 - 22, 2000	7	10	<i>Ceratophyllum demersum</i>	Coontail	3	4.300			
June 20 - 22, 2000	7	10	<i>Ranunculus sp.</i>	Water Buttercup	1	0.219			
June 20 - 22, 2000	7	10	<i>Potamogeton pectinatus</i>	Sago Pondweed	16	2.780			
June 20 - 22, 2000	7	10	<i>Vallisneria americana</i>	Wild Celery	26	3.380			
June 20 - 22, 2000	7	10	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	11	3.560			
June 20 - 22, 2000	7	10	<i>Potamogeton gramineus</i>	Grass-leaved Pondweed	1	0.046			
August 28 - 30, 2000	7	1	<i>Elodea canadensis</i>	Canada Waterweed	104	19.340			



Big Lake Pilot Treatment Program 2000  
Harvesting: Plot 3 and 7

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	7	1	<i>Elodea canadensis</i>	Canada Waterweed	—	—	—	—	—
August 28 - 30, 2000	7	1	<i>Ceratophyllum demersum</i>	Coontail	8	2.890			0.236
August 28 - 30, 2000	7	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.237			
August 28 - 30, 2000	7	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	7	6.060			
August 28 - 30, 2000	7	2	<i>Vallisneria americana</i>	Wild Celery	13	4.620			
August 28 - 30, 2000	7	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.085			
August 28 - 30, 2000	7	2	<i>Elodea canadensis</i>	Canada Waterweed	1	0.195			
August 28 - 30, 2000	7	2	<i>Ceratophyllum demersum</i>	Coontail	2	1.330			
August 28 - 30, 2000	7	3	<i>Vallisneria americana</i>	Wild Celery	26	11.710			
August 28 - 30, 2000	7	3	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	11	10.750			
August 28 - 30, 2000	7	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.785			
August 28 - 30, 2000	7	3	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	none	1.360			
August 28 - 30, 2000	7	3	<i>Elodea canadensis</i>	Canada Waterweed	1	0.091			0.089
August 28 - 30, 2000	7	4	<i>Ceratophyllum demersum</i>	Coontail	1	0.270			
August 28 - 30, 2000	7	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	13	10.090			
August 28 - 30, 2000	7	4	<i>Vallisneria americana</i>	Wild Celery	24	6.420			
August 28 - 30, 2000	7	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	1.570			
August 28 - 30, 2000	7	5	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	0.375			
August 28 - 30, 2000	7	5	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	1	0.097			
August 28 - 30, 2000	7	5	<i>Vallisneria americana</i>	Wild Celery	15	5.450			
August 28 - 30, 2000	7	6	<i>Vallisneria americana</i>	Wild Celery	7	1.920			
August 28 - 30, 2000	7	6	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	none	0.594			
August 28 - 30, 2000	7	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	3.030			3.000
August 28 - 30, 2000	7	7	<i>Ceratophyllum demersum</i>	Coontail	11	7.280			
August 28 - 30, 2000	7	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	46	7.500			
August 28 - 30, 2000	7	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	1.100			
August 28 - 30, 2000	7	8	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	none	1.420			
August 28 - 30, 2000	7	8	<i>Vallisneria americana</i>	Wild Celery	7	5.500			
August 28 - 30, 2000	7	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	5.080			
August 28 - 30, 2000	7	8	<i>Ceratophyllum demersum</i>	Coontail	8	1.470			
August 28 - 30, 2000	7	9	<i>Ceratophyllum demersum</i>	Coontail	6	17.380			
August 28 - 30, 2000	7	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	2.140			
August 28 - 30, 2000	7	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	0.902			0.866
August 28 - 30, 2000	7	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	9	2.650			
August 28 - 30, 2000	7	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	3	3.070			
August 28 - 30, 2000	7	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.130			
August 28 - 30, 2000	7	10	<i>Elodea canadensis</i>	Canada Waterweed	1	0.560			

Big Lake Pilot Treatment Program 2000  
Harvesting: Plot 3 and 7

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	7	10	<i>Vallisneria americana</i>	Wild Celery	17	6.220			
August 28 - 30, 2000	7	10	<i>Vallisneria americana</i>	Wild Celery	—	5.570			
August 28 - 30, 2000	7	10	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	none	0.361			
August 28 - 30, 2000	7	10	<i>Ceratophyllum demersum</i>	Coontail	8	7.400			
August 28 - 30, 2000	3	1	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	7	3.990			
August 28 - 30, 2000	3	2	<i>Zosterella dubia</i>	Mud Plaintain	23	4.290			
August 28 - 30, 2000	3	2	<i>Elodea canadensis</i>	Canada Waterweed	2	0.208			
August 28 - 30, 2000	3	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	0.426			
August 28 - 30, 2000	3	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	12	4.350			
August 28 - 30, 2000	3	2	<i>Ranunculus sp.</i>	Water Buttercup	1	0.457			
August 28 - 30, 2000	3	3	<i>Vallisneria americana</i>	Wild Celery	11	4.660			4.600
August 28 - 30, 2000	3	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	11	2.290			
August 28 - 30, 2000	3	3	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	6	2.290			
August 28 - 30, 2000	3	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	6	3.000			
August 28 - 30, 2000	3	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	11	6.020			
August 28 - 30, 2000	3	3	<i>Elodea canadensis</i>	Canada Waterweed	20	3.800			
August 28 - 30, 2000	3	3	<i>Zosterella dubia</i>	Mud Plaintain	1	0.199			
August 28 - 30, 2000	3	3	<i>Ceratophyllum demersum</i>	Coontail	1	0.305			
August 28 - 30, 2000	3	4	<i>Elodea canadensis</i>	Canada Waterweed	5	0.412			
August 28 - 30, 2000	3	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	19	13.960			
August 28 - 30, 2000	3	4	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	7	1.090			
August 28 - 30, 2000	3	4	<i>Vallisneria americana</i>	Wild Celery	5	1.300			1.290
August 28 - 30, 2000	3	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	2	0.855			
August 28 - 30, 2000	3	4	<i>Ranunculus sp.</i>	Water Buttercup	10	5.860			
August 28 - 30, 2000	3	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.869			
August 28 - 30, 2000	3	5	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	4	3.450			
August 28 - 30, 2000	3	5	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	5	6.360			
August 28 - 30, 2000	3	5	<i>Vallisneria americana</i>	Wild Celery	38	6.060			
August 28 - 30, 2000	3	5	<i>Vallisneria americana</i>	Wild Celery	—	6.170			
August 28 - 30, 2000	3	5	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	none	0.548			
August 28 - 30, 2000	3	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	0.585			
August 28 - 30, 2000	3	6	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	13	0.548			
August 28 - 30, 2000	3	6	<i>Vallisneria americana</i>	Wild Celery	1	0.510			
August 28 - 30, 2000	3	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	4	4.720			5.380
August 28 - 30, 2000	3	7	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.228			
August 28 - 30, 2000	3	7	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.336			

Big Lake Pilot Treatment Program 2000  
Harvesting: Plot 3 and 7

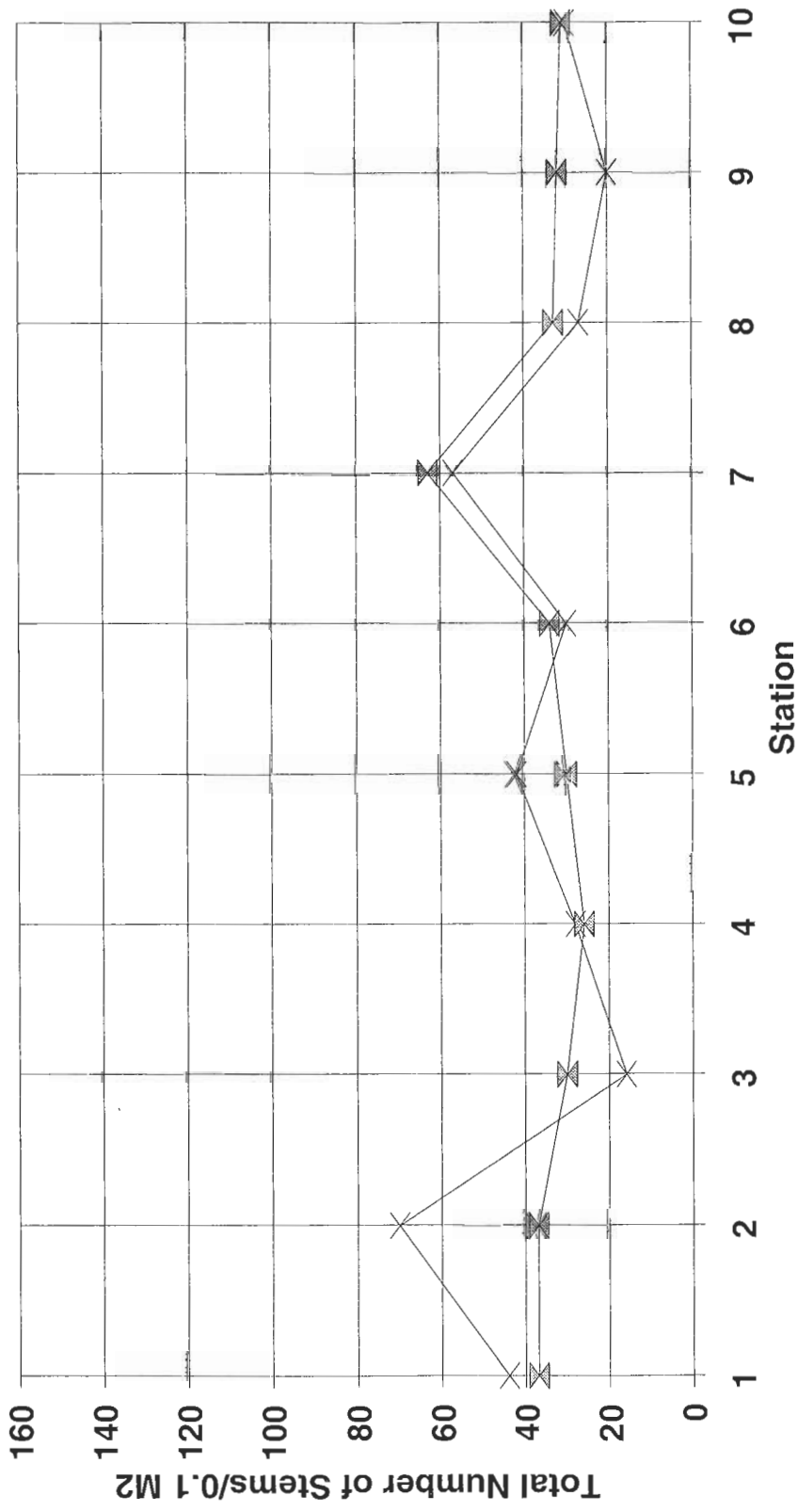
Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	3	7	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.839			0.811
August 28 - 30, 2000	3	7	<i>Ceratophyllum demersum</i>	Coontail	4	10.130			
August 28 - 30, 2000	3	7	<i>Ceratophyllum demersum</i>	Coontail	—	10.040			
August 28 - 30, 2000	3	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	4.080			
August 28 - 30, 2000	3	8	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	17	14.300			
August 28 - 30, 2000	3	8	<i>Vallisneria americana</i>	Wild Celery	19	7.850			
August 28 - 30, 2000	3	8	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	3	2.840			
August 28 - 30, 2000	3	8	<i>Ceratophyllum demersum</i>	Coontail	1	0.182			
August 28 - 30, 2000	3	8	<i>Elodea canadensis</i>	Canada Waterweed	1	0.121			
August 28 - 30, 2000	3	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	7	9.670			
August 28 - 30, 2000	3	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	2	1.350			
August 28 - 30, 2000	3	9	<i>Vallisneria americana</i>	Wild Celery	33	7.020			
August 28 - 30, 2000	3	9	<i>Vallisneria americana</i>	Wild Celery	—	4.830			
August 28 - 30, 2000	3	9	<i>Vallisneria americana</i>	Wild Celery	—	6.220			
August 28 - 30, 2000	3	9	<i>Potamogeton pectinatus</i>	Sago Pondweed	3	2.520			
August 28 - 30, 2000	3	10	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	13	3.840			
August 28 - 30, 2000	3	10	<i>Vallisneria americana</i>	Wild Celery	11	5.05			
August 28 - 30, 2000	3	10	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	10	3.74			
August 28 - 30, 2000	3	10	<i>Ranunculus sp.</i>	Water Buttercup	3	2.05			3.770

\* Scientific name change: *Myriophyllum sibiricum* (formerly known as *Myriophyllum exalbescens*).

*Appendix C-4*

**Lime Slurry Plots 1 and 5**

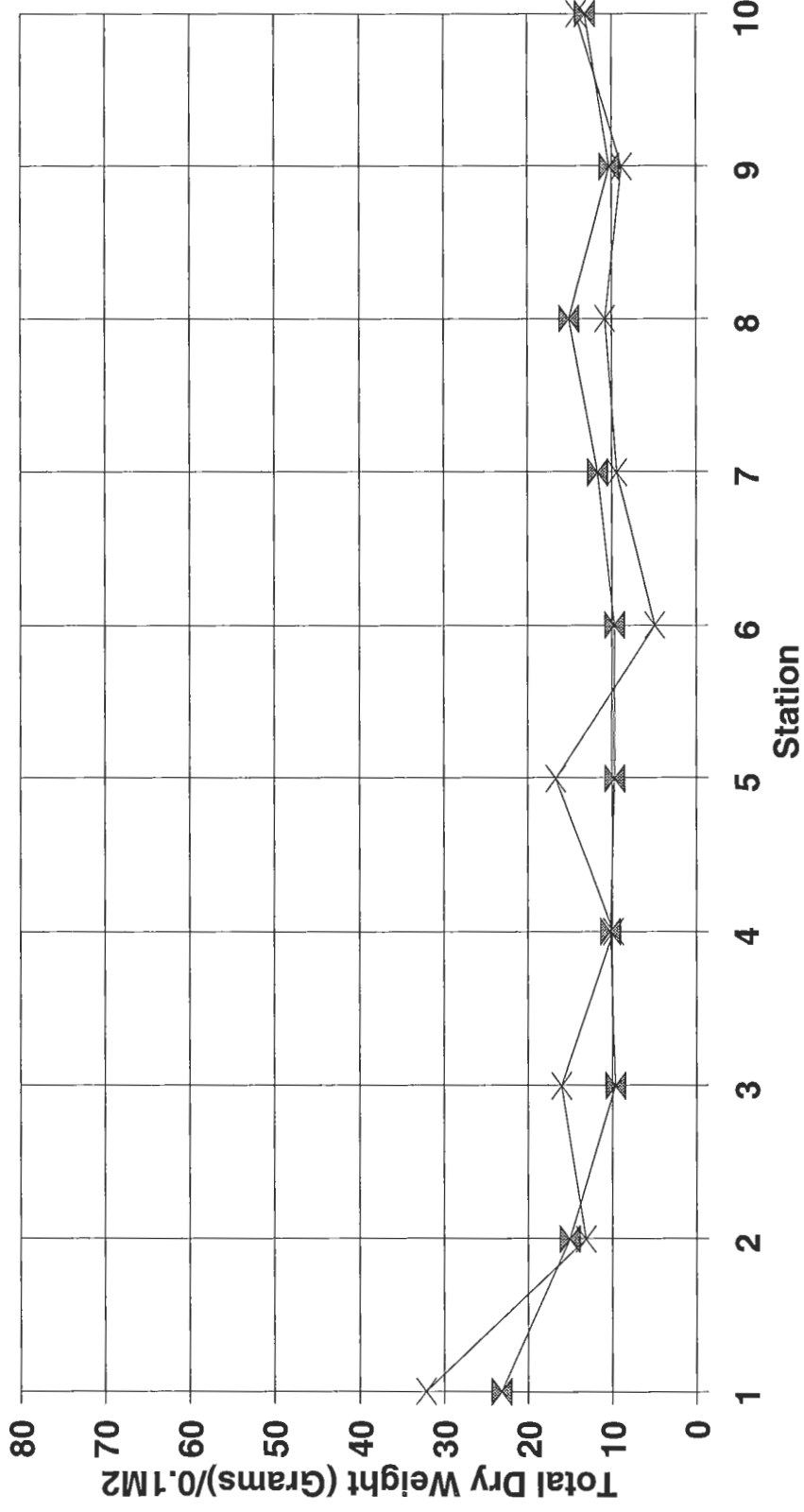
# Big Lake Macrophyte Pilot Project 2000 Lime Slurry Plot 1 By Station



x 7/24-25/2000 X 8/28-30/2000

# Big Lake Macrophyte Pilot Project

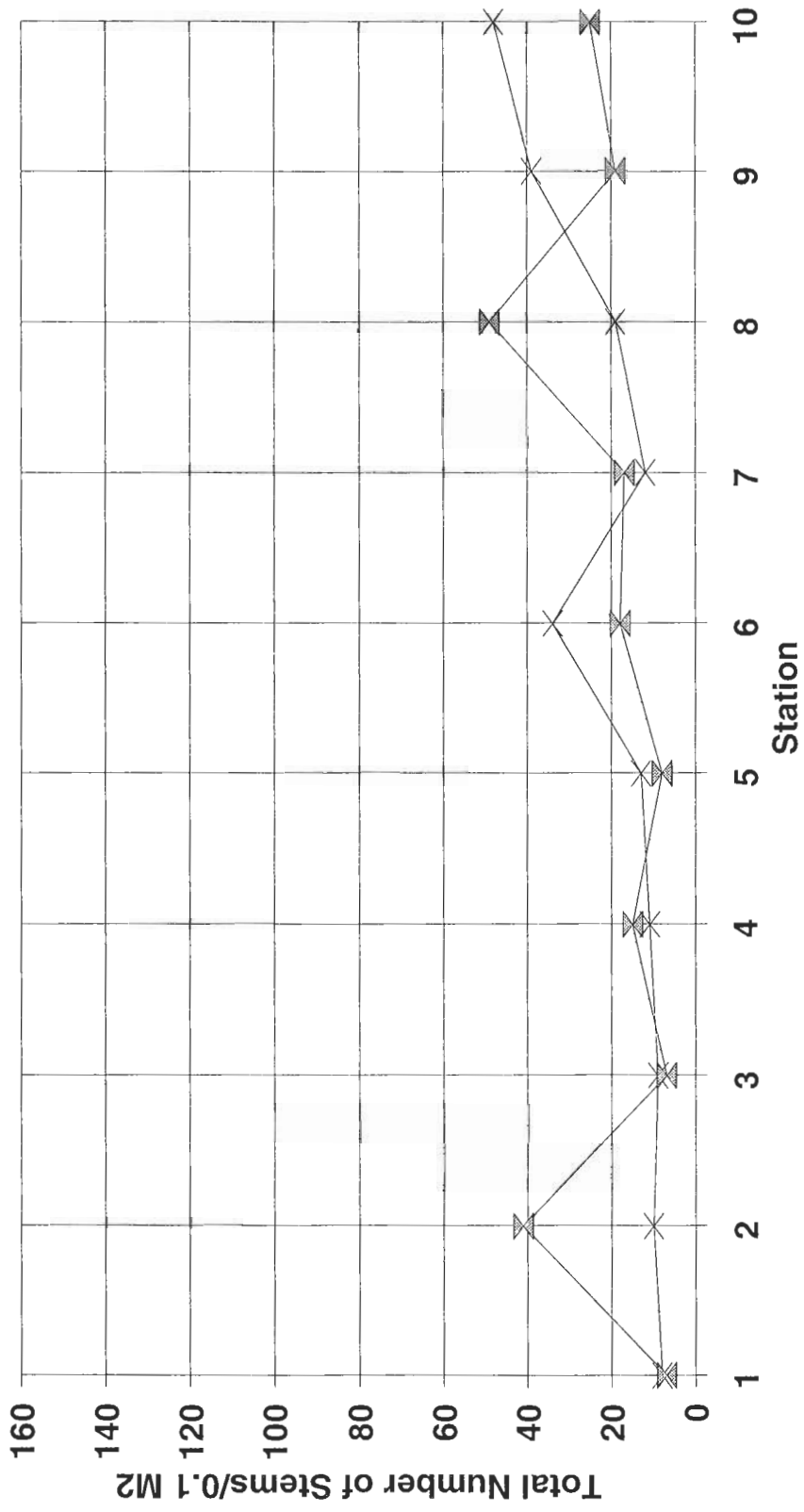
## 2000 Lime Slurry Plot 1 By Station



x 7/24-25/2000 X 8/28-30/2000

# Big Lake Macrophyte Pilot Project

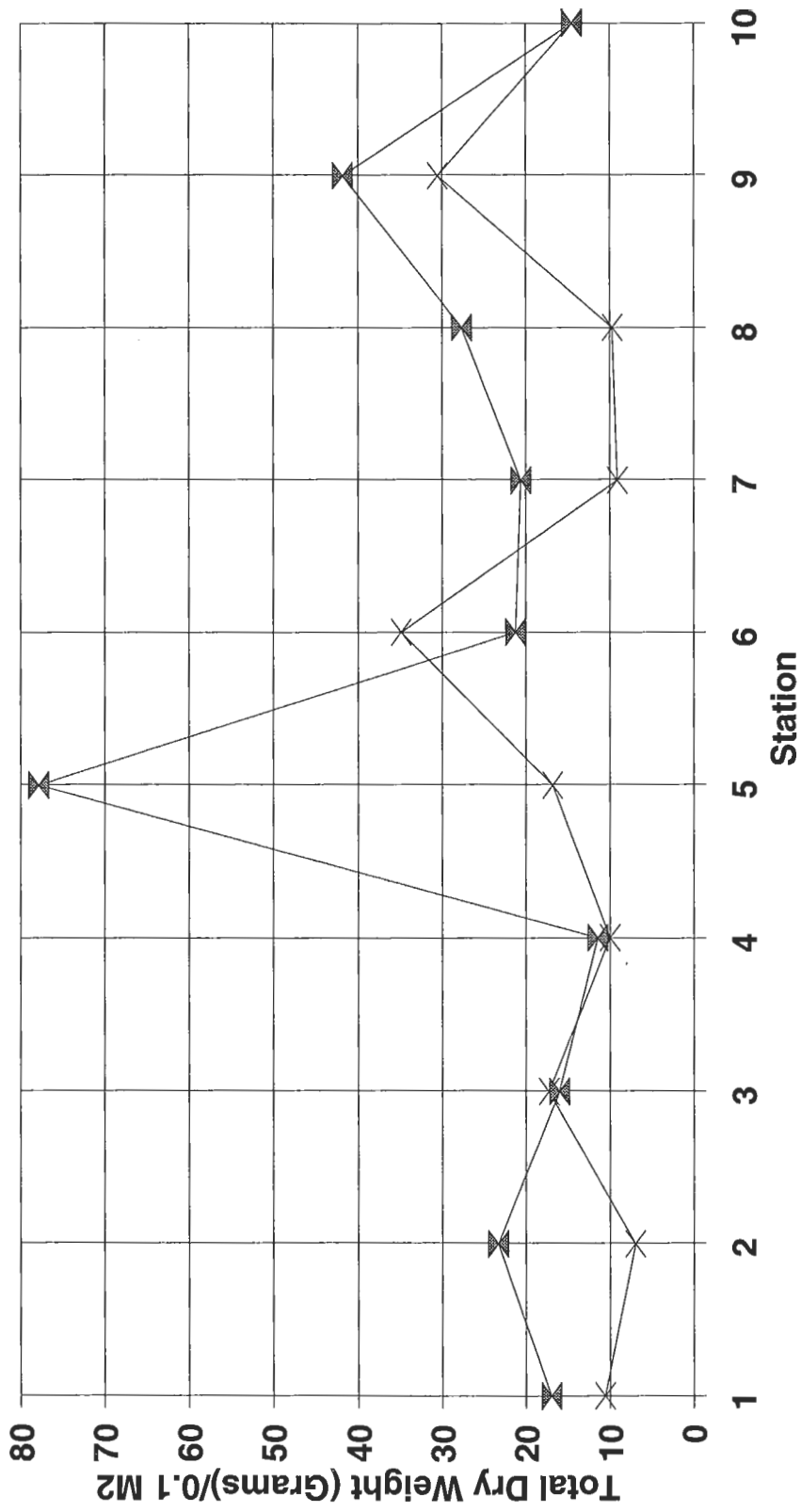
## 2000 Lime Slurry Plot 5 By Station



x 7/24-25/2000 x 8/28-30/2000

# Big Lake Macrophyte Pilot Project

## 2000 Lime Slurry Plot 5 By Station



x 7/24-25/2000 > 8/28-30/2000



Big Lake Pilot Treatment Program

Lime: Plots 1 and 5

Control Plot Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	1	1	<i>Lemna minor</i>	Lesser Duckweed	Many	0.676			0.652
July 24 - 25, 2000	1	1	<i>Vallisneria americana</i>	Wild Celery	11	3.390			
July 24 - 25, 2000	1	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	18	12.080			
July 24 - 25, 2000	1	1	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	5	9.050			
July 24 - 25, 2000	1	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	0.669			
July 24 - 25, 2000	1	1	<i>Ceratophyllum demersum</i>	Coontail	2	1.603			
July 24 - 25, 2000	1	1	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	6	4.700			
July 24 - 25, 2000	1	1	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	3	2.910			
July 24 - 25, 2000	1	1	<i>Vallisneria americana</i>	Wild Celery	58	7.290			
July 24 - 25, 2000	1	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	1.320			
July 24 - 25, 2000	1	1	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	4	1.210			
July 24 - 25, 2000	1	1	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.420			
July 24 - 25, 2000	1	1	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	10	11.090			
July 24 - 25, 2000	1	1	<i>Vallisneria americana</i>	Wild Celery	2	1.150			
July 24 - 25, 2000	1	1	<i>Ceratophyllum demersum</i>	Coontail	4	3.840			
July 24 - 25, 2000	1	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.670			
July 24 - 25, 2000	1	1	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.720			
July 24 - 25, 2000	1	1	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	5.460			
July 24 - 25, 2000	1	1	<i>Vallisneria americana</i>	Wild Celery	17	3.000			
July 24 - 25, 2000	1	1	<i>Elodea canadensis</i>	Canada Waterweed	2	0.480			
July 24 - 25, 2000	1	1	<i>Vallisneria americana</i>	Wild Celery	9	2.320			
July 24 - 25, 2000	1	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	14	9.060			
July 24 - 25, 2000	1	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	3	2.100			
July 24 - 25, 2000	1	1	<i>Ceratophyllum demersum</i>	Coontail	6	2.140			
July 24 - 25, 2000	1	1	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	8	0.590			
July 24 - 25, 2000	1	1	<i>Vallisneria americana</i>	Wild Celery	23	1.600			
July 24 - 25, 2000	1	1	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	7	3.360			
July 24 - 25, 2000	1	1	<i>Vallisneria americana</i>	Wild Celery	27	5.290			
July 24 - 25, 2000	1	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	1.228			
July 24 - 25, 2000	1	1	<i>Ceratophyllum demersum</i>	Coontail	1	0.070			
July 24 - 25, 2000	1	1	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	6	0.703			
July 24 - 25, 2000	1	1	<i>Najas sp.</i>	Naid	19	1.000			
July 24 - 25, 2000	1	1	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.649			
July 24 - 25, 2000	1	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.488			
July 24 - 25, 2000	1	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	1.810			
July 24 - 25, 2000	1	1	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	3	1.540			
July 24 - 25, 2000	1	1	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	3	0.270			

Big Lake Pilot Treatment Program

Lime: Plots 1 and 5

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	1	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	6	4.170			4.060
July 24 - 25, 2000	1	8	<i>Ceratophyllum demersum</i>	Coontail	1	0.401			
July 24 - 25, 2000	1	8	<i>Vallisneria americana</i>	Wild Celery	13	2.650			
July 24 - 25, 2000	1	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.337			
July 24 - 25, 2000	1	9	<i>Najas sp.</i>	Naid	3	0.202			
July 24 - 25, 2000	1	9	<i>Chara sp.</i>	Muskgrass	1	0.401			
July 24 - 25, 2000	1	9	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	7	5.000			
July 24 - 25, 2000	1	9	<i>Vallisneria americana</i>	Wild Celery	8	2.880			
July 24 - 25, 2000	1	10	<i>Elodea canadensis</i>	Canada Waterweed	1	0.910			
July 24 - 25, 2000	1	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	1.440			
July 24 - 25, 2000	1	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	8	5.340			
July 24 - 25, 2000	1	10	<i>Vallisneria americana</i>	Wild Celery	15	5.210			
July 24 - 25, 2000	1	10	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	1.330			
July 24 - 25, 2000	5	1	<i>Ceratophyllum demersum</i>	Coontail	6	8.310			
July 24 - 25, 2000	5	1	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	2.340			2.330
July 24 - 25, 2000	5	2	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	1.370			1.280
July 24 - 25, 2000	5	2	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.817			
July 24 - 25, 2000	5	2	<i>Ceratophyllum demersum</i>	Coontail	3	4.020			
July 24 - 25, 2000	5	2	<i>Vallisneria americana</i>	Wild Celery	4	0.810			
July 24 - 25, 2000	5	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	2	2.790			
July 24 - 25, 2000	5	3	<i>Ceratophyllum demersum</i>	Coontail	4	12.830			
July 24 - 25, 2000	5	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	1.690			
July 24 - 25, 2000	5	4	<i>Vallisneria americana</i>	Wild Celery	5	2.080			
July 24 - 25, 2000	5	4	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.130			
July 24 - 25, 2000	5	4	<i>Ceratophyllum demersum</i>	Coontail	1	3.450			
July 24 - 25, 2000	5	4	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.359			
July 24 - 25, 2000	5	4	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	3	4.030			
July 24 - 25, 2000	5	5	<i>Ceratophyllum demersum</i>	Coontail	7	12.120			
July 24 - 25, 2000	5	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	6	4.760			
July 24 - 25, 2000	5	6	<i>Elodea canadensis</i>	Canada Waterweed	10	1.350			
July 24 - 25, 2000	5	6	<i>Vallisneria americana</i>	Wild Celery	6	4.750			4.630
July 24 - 25, 2000	5	6	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	7	0.970			
July 24 - 25, 2000	5	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	1.160			
July 24 - 25, 2000	5	6	<i>Ceratophyllum demersum</i>	Coontail	8	26.600			
July 24 - 25, 2000	5	6	<i>Ceratophyllum demersum</i>	Coontail	—	—			
July 24 - 25, 2000	5	7	<i>Ceratophyllum demersum</i>	Coontail	1	0.950			
July 24 - 25, 2000	5	7	<i>Vallisneria americana</i>	Wild Celery	3	1.730			

Big Lake Pilot Treatment Program  
Lime: Plots 1 and 5

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
July 24 - 25, 2000	5	7	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	8	6.490			
July 24 - 25, 2000	5	8	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	6	2.280			
July 24 - 25, 2000	5	8	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.373			
July 24 - 25, 2000	5	8	<i>Vallisneria americana</i>	Wild Celery	3	2.040			
July 24 - 25, 2000	5	8	<i>Ceratophyllum demersum</i>	Coontail	1	0.264			
July 24 - 25, 2000	5	8	<i>Potamogeton pectinatus</i>	Sago Pondweed	8	4.800			
July 24 - 25, 2000	5	9	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.500			
July 24 - 25, 2000	5	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	15	13.650			
July 24 - 25, 2000	5	9	<i>Ceratophyllum demersum</i>	Coontail	2	7.110			
July 24 - 25, 2000	5	9	<i>Vallisneria americana</i>	Wild Celery	21	9.250			
July 24 - 25, 2000	5	9	<i>Vallisneria americana</i>	Wild Celery	---	---			
July 24 - 25, 2000	5	10	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	2	0.254			
July 24 - 25, 2000	5	10	<i>Ranunculus sp.</i>	Water Buttercup	1	0.490			
July 24 - 25, 2000	5	10	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	6	2.500			
July 24 - 25, 2000	5	10	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	1	0.283			
July 24 - 25, 2000	5	10	<i>Potamogeton pectinatus</i>	Sago Pondweed	7	1.480			
July 24 - 25, 2000	5	10	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	none	1.240			
July 24 - 25, 2000	5	10	<i>Vallisneria americana</i>	Wild Celery	9	3.710			
July 24 - 25, 2000	5	10	<i>Elodea canadensis</i>	Canada Waterweed	17	2.870			
July 24 - 25, 2000	5	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	1.780			
August 28 - 30, 2000	1	1	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	7	9.120			
August 28 - 30, 2000	1	1	<i>Ranunculus sp.</i>	Water Buttercup	1	2.030			
August 28 - 30, 2000	1	1	<i>Elodea canadensis</i>	Canada Waterweed	3	0.590			
August 28 - 30, 2000	1	1	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	3.430			
August 28 - 30, 2000	1	1	<i>Vallisneria americana</i>	Wild Celery	21	6.630			
August 28 - 30, 2000	1	1	<i>Ceratophyllum demersum</i>	Coontail	1	1.390			
August 28 - 30, 2000	1	2	<i>Vallisneria americana</i>	Wild Celery	32	8.450			
August 28 - 30, 2000	1	2	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	6.630			
August 28 - 30, 2000	1	3	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.198			
August 28 - 30, 2000	1	3	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	2.500			
August 28 - 30, 2000	1	3	<i>Vallisneria americana</i>	Wild Celery	28	6.980			
August 28 - 30, 2000	1	4	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	5	6.490			
August 28 - 30, 2000	1	4	<i>Ceratophyllum demersum</i>	Coontail	1	0.069			
August 28 - 30, 2000	1	4	<i>Vallisneria americana</i>	Wild Celery	19	3.630			
August 28 - 30, 2000	1	4	<i>Zosterella dubia</i>	Mud Plaintain	1	0.090			
August 28 - 30, 2000	1	5	<i>Ceratophyllum demersum</i>	Coontail	1	0.696			
August 28 - 30, 2000	1	5	<i>Vallisneria americana</i>	Wild Celery	11	3.860			

2.470

Big Lake Pilot Treatment Program

Lime: Plots 1 and 5

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	1	5	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	6	3.290			
August 28 - 30, 2000	1	5	<i>Elodea canadensis</i>	Canada Waterweed	3	0.640			
August 28 - 30, 2000	1	5	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	5	0.920			
August 28 - 30, 2000	1	5	<i>Najas sp.</i>	Naid	4	0.293			
August 28 - 30, 2000	1	6	<i>Vallisneria americana</i>	Wild Celery	21	3.200			
August 28 - 30, 2000	1	6	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	9	5.890			
August 28 - 30, 2000	1	6	<i>Elodea canadensis</i>	Canada Waterweed	3	0.571			
August 28 - 30, 2000	1	6	<i>Ceratophyllum demersum</i>	Coontail	1	0.058			
August 28 - 30, 2000	1	7	<i>Vallisneria americana</i>	Wild Celery	63	11.710			
August 28 - 30, 2000	1	7	<i>Vallisneria americana</i>	Wild Celery	—	—			
August 28 - 30, 2000	1	8	<i>Ceratophyllum demersum</i>	Coontail	5	6.160			
August 28 - 30, 2000	1	8	<i>Vallisneria americana</i>	Wild Celery	19	3.850			
August 28 - 30, 2000	1	8	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	1	0.320			
August 28 - 30, 2000	1	8	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	8	4.790			
August 28 - 30, 2000	1	9	<i>Elodea canadensis</i>	Canada Waterweed	2	0.191			
August 28 - 30, 2000	1	9	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	12	2.540			
August 28 - 30, 2000	1	9	<i>Vallisneria americana</i>	Wild Celery	12	4.190			
August 28 - 30, 2000	1	9	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	6	3.400			
August 28 - 30, 2000	1	10	<i>Potamogeton amplifolius</i>	Large-leaf Pondweed	8	9.580			
August 28 - 30, 2000	1	10	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	1	0.661			
August 28 - 30, 2000	1	10	<i>Vallisneria americana</i>	Wild Celery	22	2.960			
August 28 - 30, 2000	5	1	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	3	2.950			
August 28 - 30, 2000	5	1	<i>Ceratophyllum demersum</i>	Coontail	4	14.090			
August 28 - 30, 2000	5	2	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	9	5.630			
August 28 - 30, 2000	5	2	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	1	0.222			
August 28 - 30, 2000	5	2	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	5	2.940			
August 28 - 30, 2000	5	2	<i>Potamogeton robbinsii</i>	Robbin's Pondweed	13	7.320			
August 28 - 30, 2000	5	2	<i>Vallisneria americana</i>	Wild Celery	8	4.250			
August 28 - 30, 2000	5	2	<i>Ceratophyllum demersum</i>	Coontail	5	2.990			
August 28 - 30, 2000	5	3	<i>Ceratophyllum demersum</i>	Coontail	3	14.700			
August 28 - 30, 2000	5	3	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	3	1.230			
August 28 - 30, 2000	5	3	<i>Potamogeton crispus</i>	Curlyleaf Pondweed	1	0.155			
August 28 - 30, 2000	5	4	<i>Vallisneria americana</i>	Wild Celery	11	8.420			
August 28 - 30, 2000	5	4	<i>Elodea canadensis</i>	Canada Waterweed	2	0.159			
August 28 - 30, 2000	5	4	<i>Ceratophyllum demersum</i>	Coontail	2	2.950			
August 28 - 30, 2000	5	5	<i>Ceratophyllum demersum</i>	Coontail	7	77.700			0.151

Big Lake Pilot Treatment Program

Lime: Plots 1 and 5

Sample Date	Plot #	Sample Location	Species	Common Name	No. of Stems	Dry Weight Grams	Reweighs	Duplicate Weight Grams	Dried Twice Grams
August 28 - 30, 2000	5	5	<i>Ceratophyllum demersum</i>	Coontail	---	---	---	---	---
August 28 - 30, 2000	5	5	<i>Ceratophyllum demersum</i>	Coontail	---	---	---	---	---
August 28 - 30, 2000	5	5	<i>Elodea canadensis</i>	Canada Waterweed	1	0.220			
August 28 - 30, 2000	5	5	<i>Ceratophyllum demersum</i>	Coontail	4	8.840			
August 28 - 30, 2000	5	6	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	1	0.127			8.720
August 28 - 30, 2000	5	6	<i>Vallisneria americana</i>	Wild Celery	6	6.740			
August 28 - 30, 2000	5	6	<i>Elodea canadensis</i>	Canada Waterweed	3	1.910			
August 28 - 30, 2000	5	6	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	4	3.630			
August 28 - 30, 2000	5	7	<i>Ceratophyllum demersum</i>	Coontail	2	1.620			
August 28 - 30, 2000	5	7	<i>Vallisneria americana</i>	Wild Celery	3	2.040			
August 28 - 30, 2000	5	7	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	12	16.950			
August 28 - 30, 2000	5	8	<i>Vallisneria americana</i>	Wild Celery	42	11.600			
August 28 - 30, 2000	5	8	<i>Myriophyllum sibiricum</i>	Northern Watermilfoil	2	1.020			
August 28 - 30, 2000	5	8	<i>Nymphaea tuberosa</i>	White Waterlily	3	14.650			14.610
August 28 - 30, 2000	5	8	<i>Potamogeton pectinatus</i>	Sago Pondweed	2	0.352			
August 28 - 30, 2000	5	9	<i>Ceratophyllum demersum</i>	Coontail	5	26.340			
August 28 - 30, 2000	5	9	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	14	15.500			
August 28 - 30, 2000	5	10	<i>Vallisneria americana</i>	Wild Celery	5	2.650			
August 28 - 30, 2000	5	10	<i>Potamogeton richardsonii</i>	Claspingleaf Pondweed	4	3.510			
August 28 - 30, 2000	5	10	<i>Elodea canadensis</i>	Canada Waterweed	8	1.740			
August 28 - 30, 2000	5	10	<i>Ranunculus sp.</i>	Water Buttercup	2	1.030			
August 28 - 30, 2000	5	10	<i>Ceratophyllum demersum</i>	Coontail	2	3.090			
August 28 - 30, 2000	5	10	<i>Potamogeton sp.</i>	Narrow Leaf Pondweed	1	0.385			
August 28 - 30, 2000	5	10	<i>Potamogeton zosteriformis</i>	Flat-stemmed Pondweed	1	0.717			
August 28 - 30, 2000	5	10	<i>Vallisneria americana</i>	Wild Celery	2	1.420			1.400

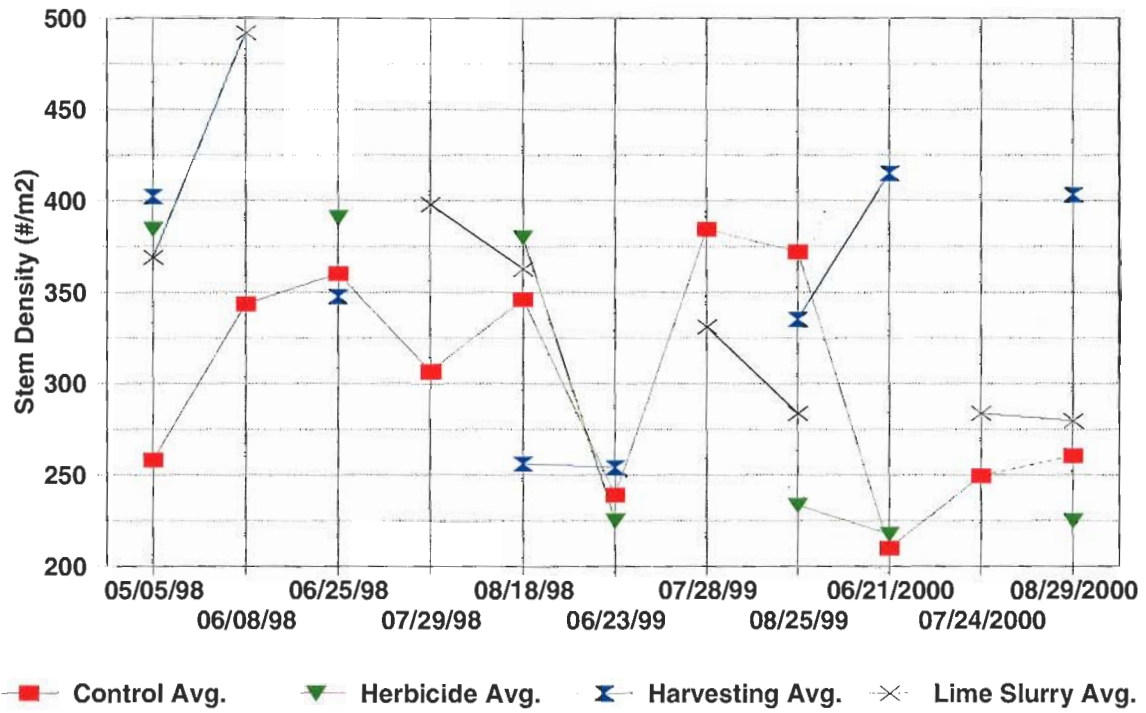
\* Scientific name change: *Myriophyllum sibiricum* (formerly known as *Myriophyllum exalbescens*).

## *Appendix D*

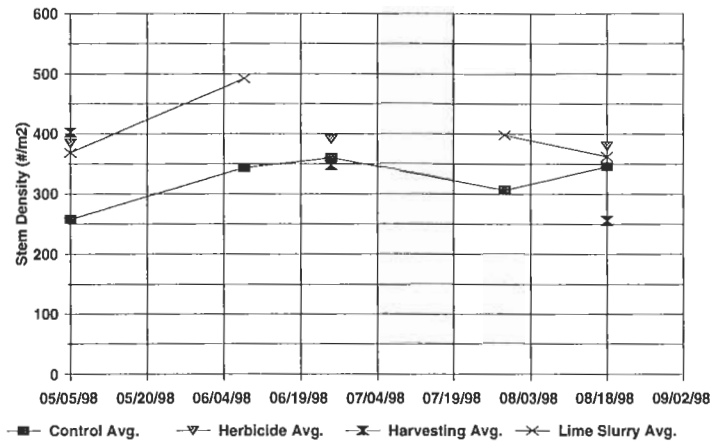
### **Stems Analysis:**

- **Data Summary Graphs**
- **ANOVA of Untransformed and Square Root Transformed Data**
  - **Kruskal-Wallis Non Parametric Analyses**

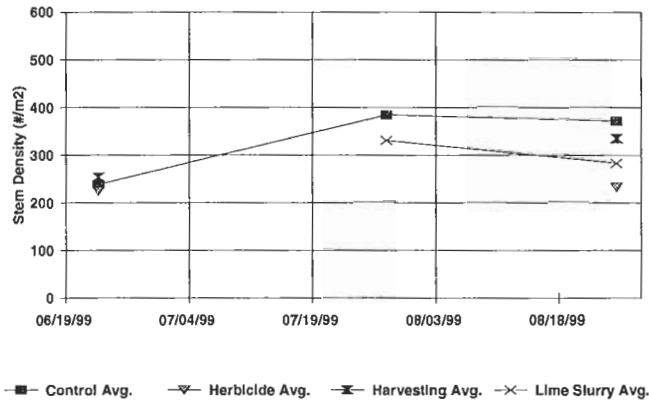
# 1998-2001 Big Lake Pilot Project Average Stem Densities



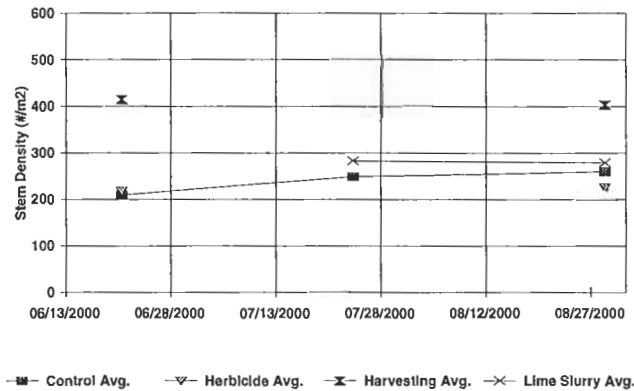
### 1998 Big Lake Pilot Project Average Stem Densities



### 1999 Big Lake Pilot Project Average Stem Densities

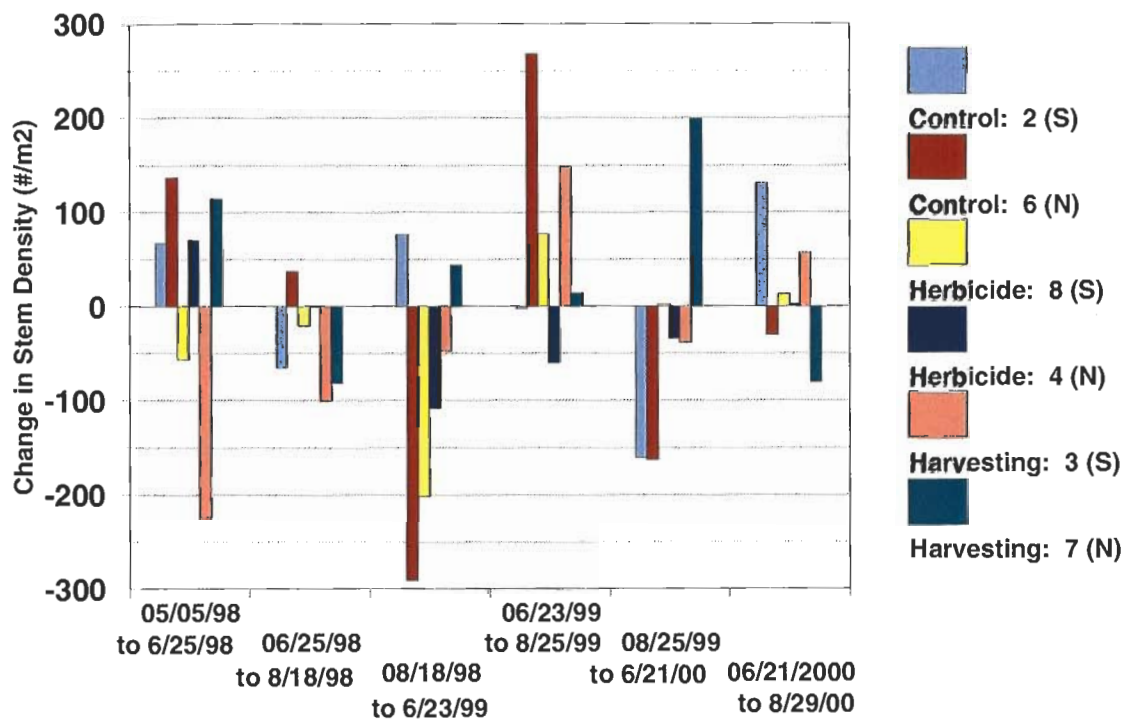


### 2000 Big Lake Pilot Project Average Stem Densities



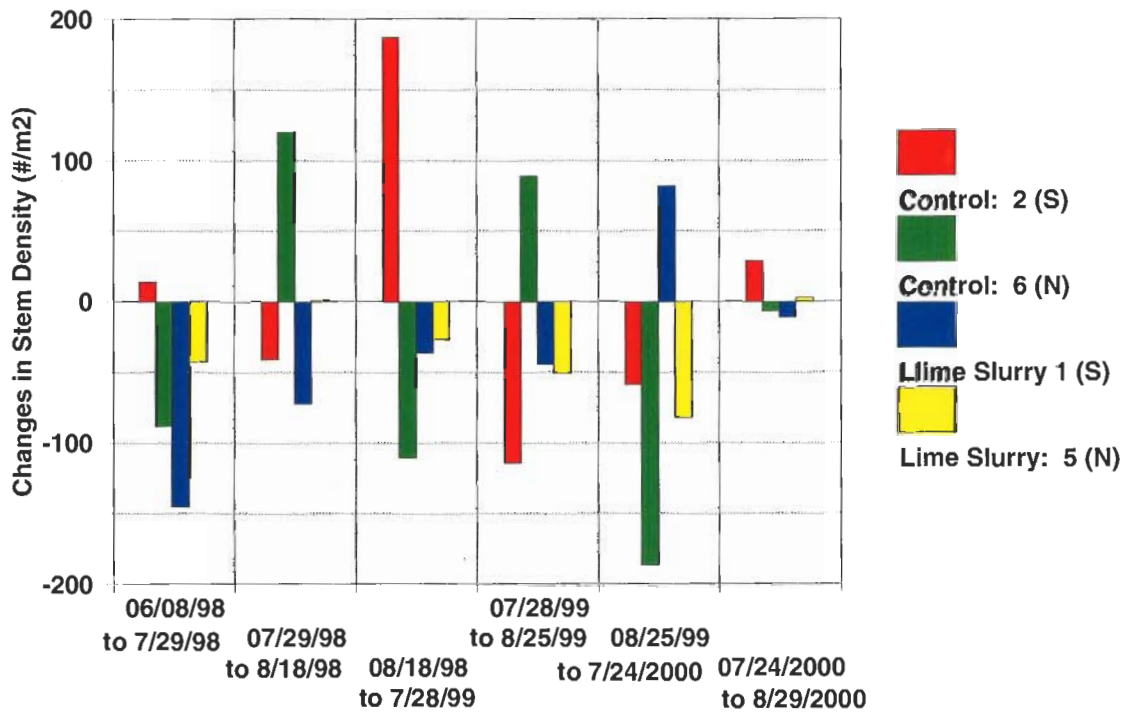


# Big Lake Macrophyte Pilot Project Changes in Stem Densities: 1998-2001



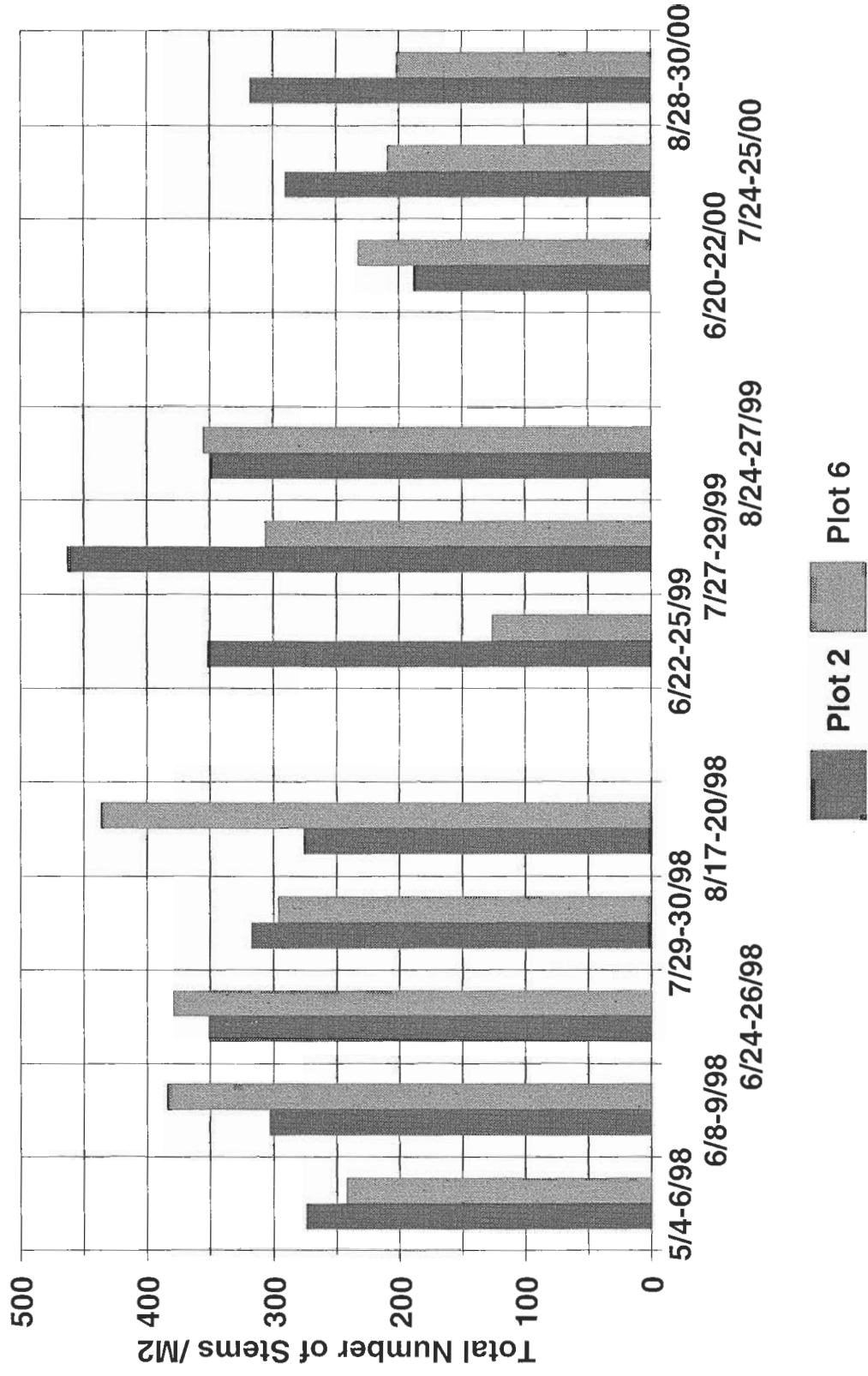
# Big Lake Macrophyte Pilot Project

## Changes in Stem Densities: 1998-2001

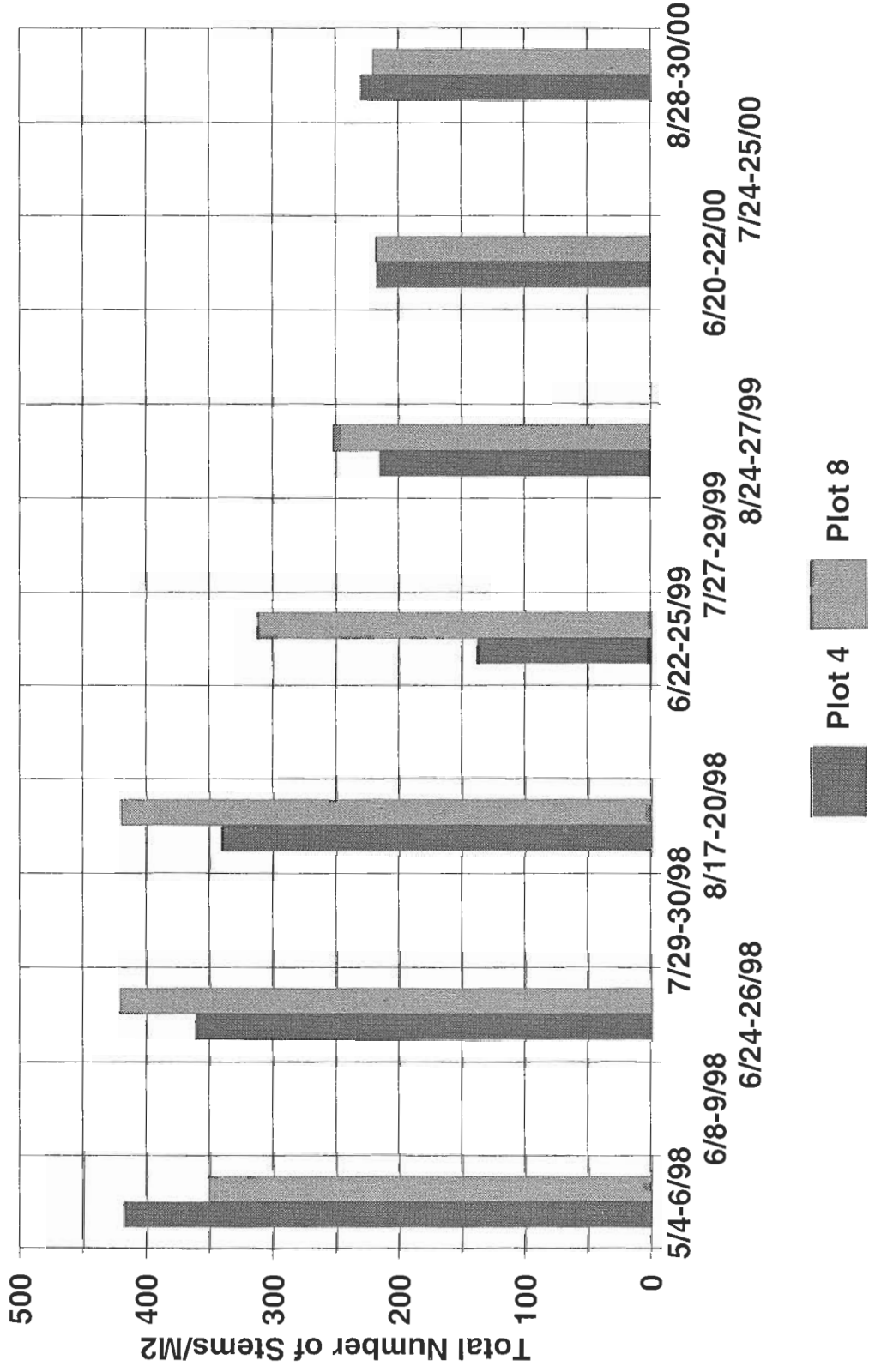


# Big Lake Macrophyte Pilot Project

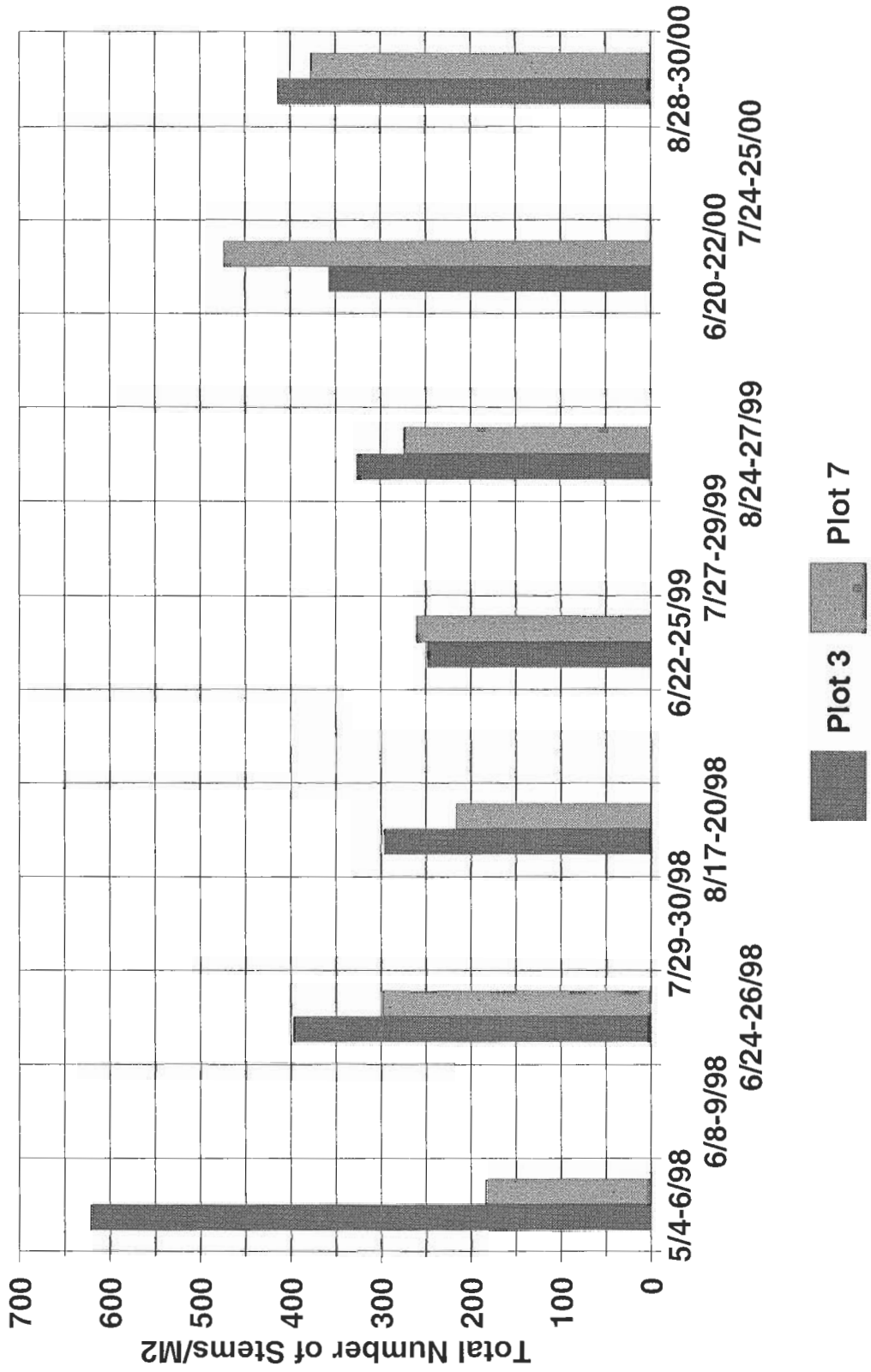
## 1998-2000 Control Plots



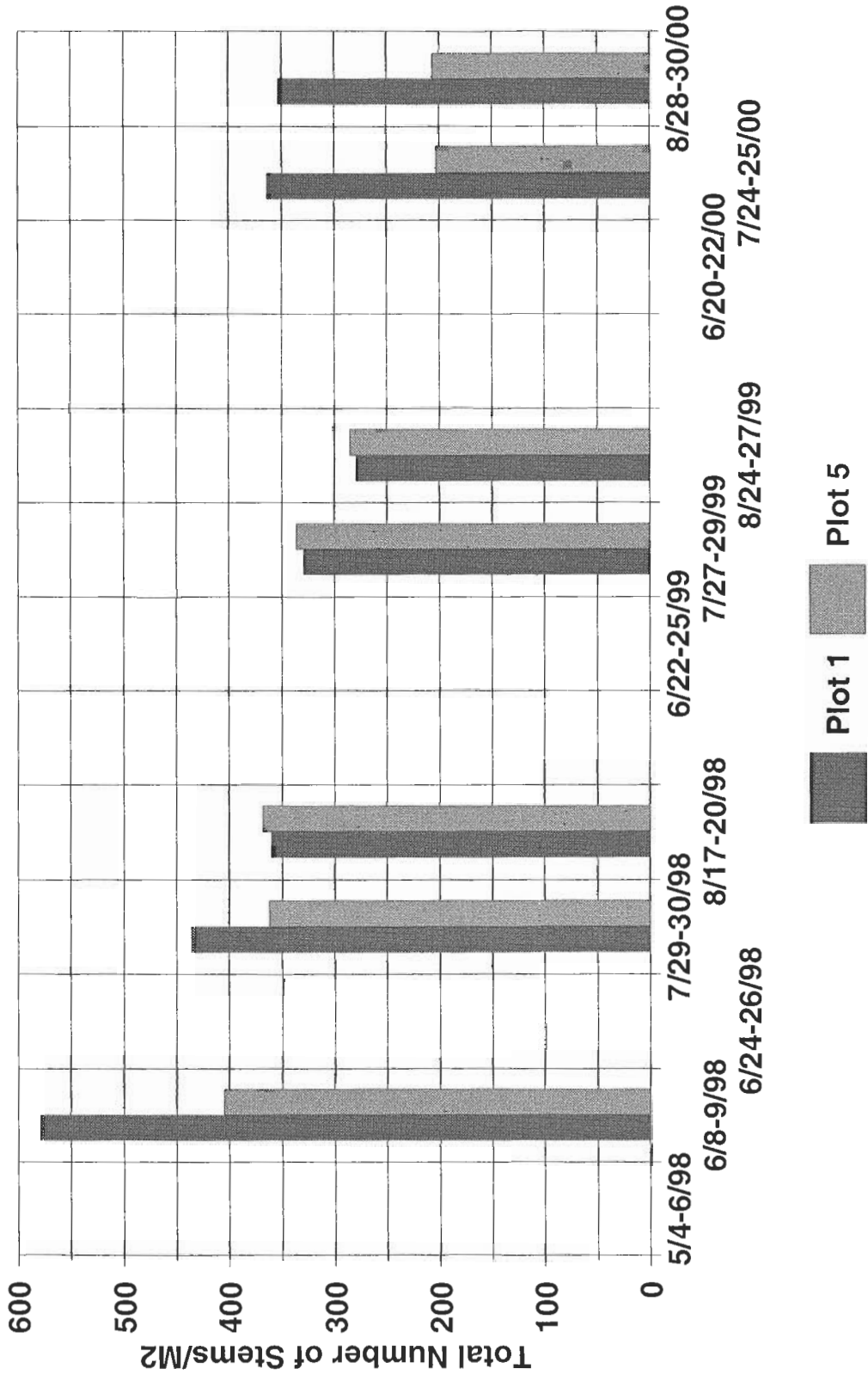
# Big Lake Macrophyte Pilot Project 1998-2000 Herbicide Treatment



# Big Lake Macrophyte Pilot Project 1998-2000 Harvesting Treatment



# Big Lake Macrophyte Pilot Project 1998-2000 Lime Slurry Treatment



*Appendix D-1*

**May 4-6, 1998**

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (6 levels)

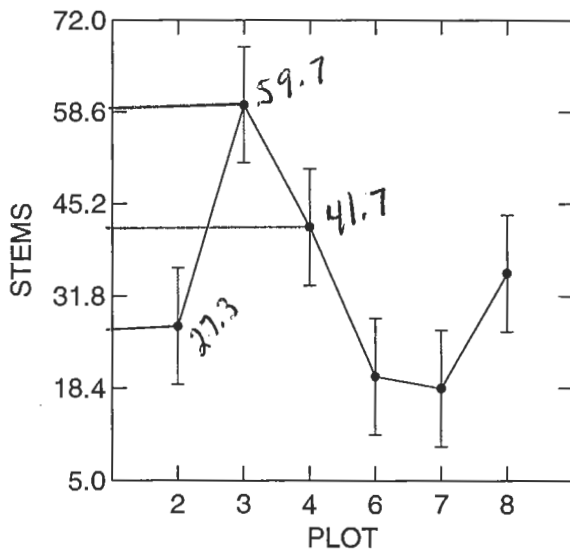
2, 3, 4, 6, 7, 8

Dep Var: STEMS N: 60 Multiple R: 0.486 Squared multiple R: 0.236

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	11971.133	5	2394.227	3.343	0.011
Error	38668.600	54	716.085		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 26 is an outlier (Studentized Residual = 5.558)

Durbin-Watson D Statistic 1.964



First Order Autocorrelation 0.014

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

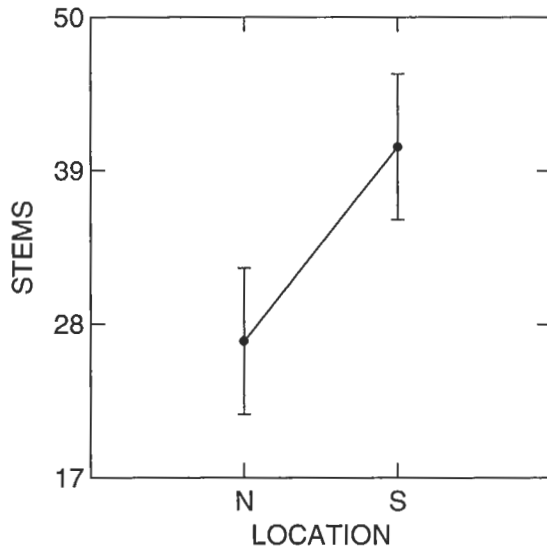
N, S

Dep Var: STEMS N: 60 Multiple R: 0.240 Squared multiple R: 0.058

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	2912.067	1	2912.067	3.539	0.065
Error	47727.667	58	822.891		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 26 is an outlier (Studentized Residual = 5.618)

Durbin-Watson D Statistic 1.647

First Order Autocorrelation 0.166

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)

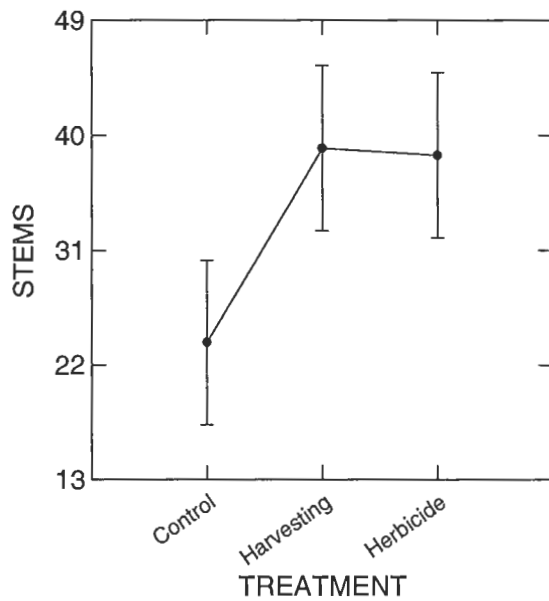
Control, Harvesting, Herbicide

Dep Var: STEMS N: 60 Multiple R: 0.243 Squared multiple R: 0.059

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	2993.033	2	1496.517	1.790	0.176
Error	47646.700	57	835.907		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 26 is an outlier (Studentized Residual = 4.900)

Durbin-Watson D Statistic 1.686

First Order Autocorrelation 0.150

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide  
 PLOT (6 levels)  
 2, 3, 4, 6, 7, 8

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
 Dependent variable is STEMS  
 Grouping variable is PLOT

Group	Count	Rank Sum
2	10	298.500
3	10	439.000
4	10	304.000
6	10	228.500
7	10	207.000
8	10	353.000

Kruskal-Wallis Test Statistic = 11.733  
 Probability is 0.039 assuming Chi-square distribution with 5 df

Effects coding used for categorical variables in model.

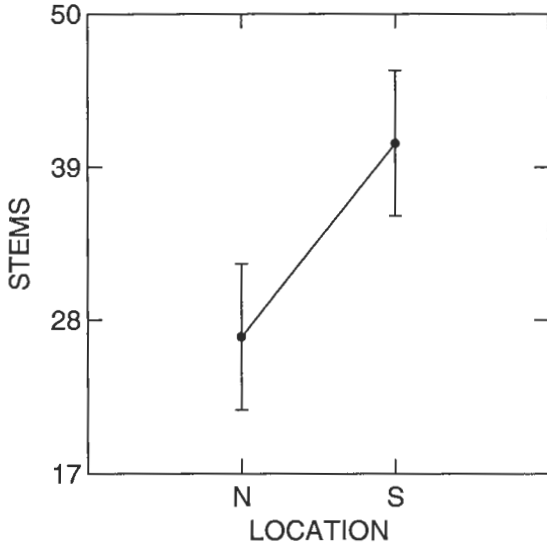
Categorical values encountered during processing are:  
 LOCATION\$ (2 levels)  
 N, S

Dep Var: STEMS N: 60 Multiple R: 0.240 Squared multiple R: 0.058

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	2912.067	1	2912.067	3.539	0.065
Error	47727.667	58	822.891		

### Least Squares Means



\*\*\* WARNING \*\*\*

Case 26 is an outlier (Studentized Residual = 5.618)

Durbin-Watson D Statistic 1.647

First Order Autocorrelation 0.166

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)

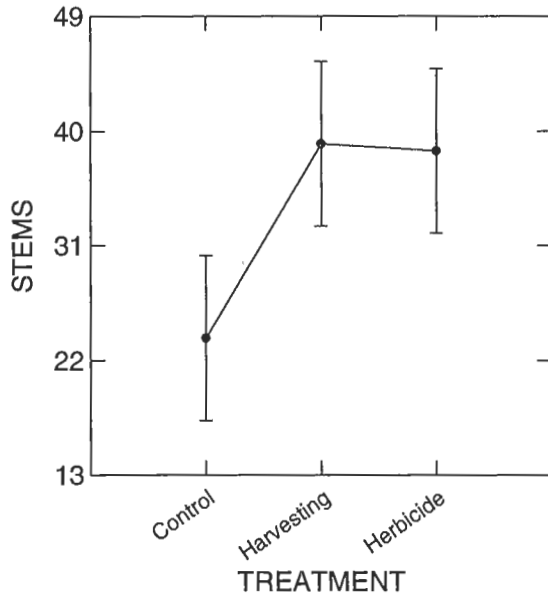
Control, Harvesting, Herbicide

Dep Var: STEMS N: 60 Multiple R: 0.243 Squared multiple R: 0.059

#### Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	2993.033	2	1496.517	1.790	0.176
Error	47646.700	57	835.907		

### Least Squares Means



\*\*\* WARNING \*\*\*

Case 26 is an outlier (Studentized Residual = 4.900)

Durbin-Watson D Statistic 1.686

First Order Autocorrelation 0.150

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (6 levels)

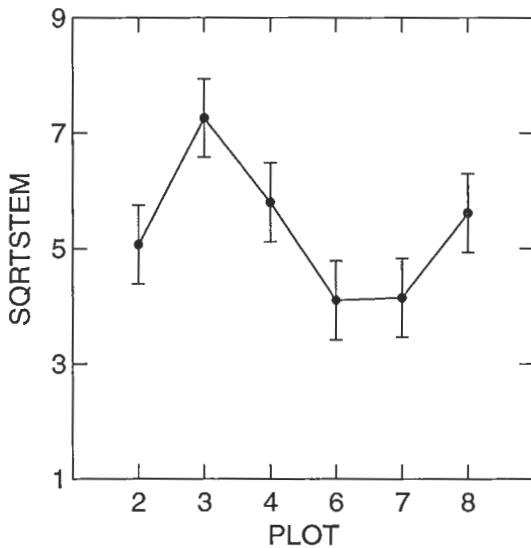
2, 3, 4, 6, 7, 8

Dep Var: SQRTSTEM N: 60 Multiple R: 0.467 Squared multiple R: 0.218

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	69.747	5	13.949	3.010	0.018
Error	250.259	54	4.634		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 26 is an outlier (Studentized Residual = 3.603)

Durbin-Watson D Statistic 2.014

First Order Autocorrelation -0.013

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

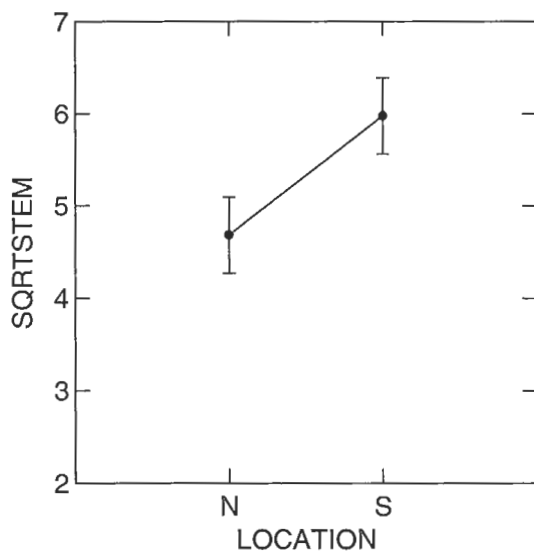
N, S

Dep Var: SQRTSTEM N: 60 Multiple R: 0.281 Squared multiple R: 0.079

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	25.193	1	25.193	4.956	0.030
Error	294.814	58	5.083		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 26 is an outlier (Studentized Residual = 3.913)

Durbin-Watson D Statistic 1.757

First Order Autocorrelation 0.109

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)

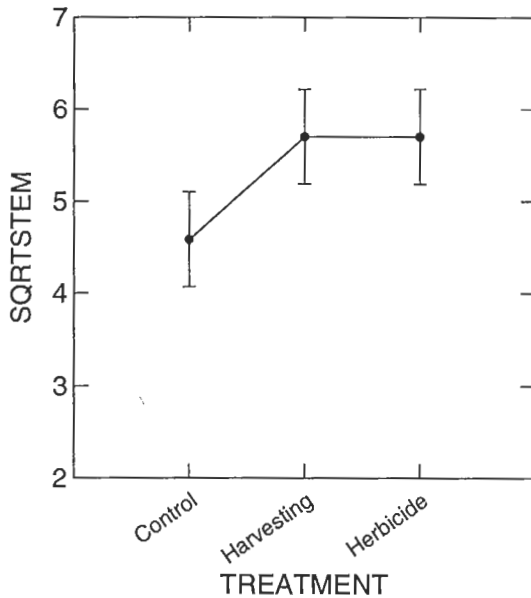
Control, Harvesting , Herbicide

Dep Var: SQRTSTEM N: 60 Multiple R: 0.228 Squared multiple R: 0.052

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	16.641	2	8.321	1.563	0.218
Error	303.366	57	5.322		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 26 is an outlier (Studentized Residual = 3.242)

Durbin-Watson D Statistic 1.745

First Order Autocorrelation 0.120

Categorical values encountered during processing are:



levels)  
ing , Herbicide

4, 6, 7, 8

e-Way Analysis of Variance for 60 cases  
e is SQRTSTEM  
is PLOT

MS

nt Rank Sum

298.500  
139.000  
304.000  
228.500  
207.000  
353.000

st Statistic = 11.733  
0.039 assuming Chi-square distribution with 5 df

s encountered during processing are:  
levels)  
ing , Herbicide  
vels)

e-Way Analysis of Variance for 60 cases  
le is SQRTSTEM  
is LOCATION\$

nt Rank Sum

739.500  
1090.500  
test statistic = 274.500  
0.009  
ximation = 6.737 with 1 df

s encountered during processing are:  
levels)  
ting , Herbicide

e-Way Analysis of Variance for 60 cases  
le is SQRTSTEM  
is TREATMENT\$

nt Rank Sum

527.000  
646.000  
657.000

st Statistic = 1.705  
0.426 assuming Chi-square distribution with 2 df

variables processed and saved.

*Appendix D-2*

**June 8-9, 1998**

*Appendix D-2*

**June 8-9, 1998**

TREATMENT\$ (3 levels)  
Control, Harvesting , Herbicide  
PLOT (6 levels)  
2, 3, 4, 6, 7, 8

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
Dependent variable is SQRTSTEM  
Grouping variable is PLOT

Group	Count	Rank Sum
2	10	298.500
3	10	439.000
4	10	304.000
6	10	228.500
7	10	207.000
8	10	353.000

Kruskal-Wallis Test Statistic = 11.733  
Probability is 0.039 assuming Chi-square distribution with 5 df

Categorical values encountered during processing are:  
TREATMENT\$ (3 levels)  
Control, Harvesting , Herbicide  
LOCATION\$ (2 levels)  
N, S

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
Dependent variable is SQRTSTEM  
Grouping variable is LOCATION\$

Group	Count	Rank Sum
N	30	739.500
S	30	1090.500

Mann-Whitney U test statistic = 274.500  
Probability is 0.009  
Chi-square approximation = 6.737 with 1 df

Categorical values encountered during processing are:  
TREATMENT\$ (3 levels)  
Control, Harvesting , Herbicide

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
Dependent variable is SQRTSTEM  
Grouping variable is TREATMENT\$

Group	Count	Rank Sum
Control	20	527.000
Harvesting	20	646.000
Herbicide	20	657.000

Kruskal-Wallis Test Statistic = 1.705  
Probability is 0.426 assuming Chi-square distribution with 2 df

60 cases and 7 variables processed and saved.

File: C:\Program Files\SYSTAT 9\Transformed\_May\_4\_1998\_stems.syo

SYSTAT Rectangular file C:\Program Files\SYSTAT 9\Transformed\_May\_4\_1998\_stems.SYD,  
created Thu Jun 07, 2001 at 11:47:55, contains variables:

TREATMENT\$	LOCATION\$	PLOT	STATION	DATE	STEMS
-------------	------------	------	---------	------	-------

SQRTSTEM

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (4 levels)

1, 2, 5, 6

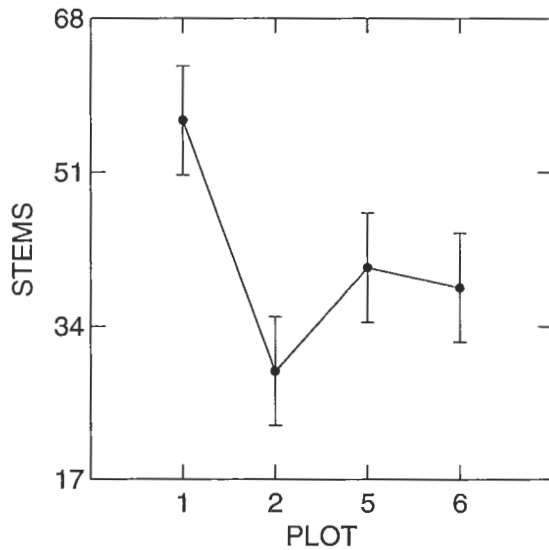
1 case(s) deleted due to missing data.

Dep Var: STEMS N: 40 Multiple R: 0.483 Squared multiple R: 0.233

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	3979.675	3	1326.558	3.647	0.021
Error	13094.700	36	363.742		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 18 is an outlier (Studentized Residual = 3.451)

Durbin-Watson D Statistic 2.119  
First Order Autocorrelation -0.076

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:  
LOCATION\$ (2 levels)

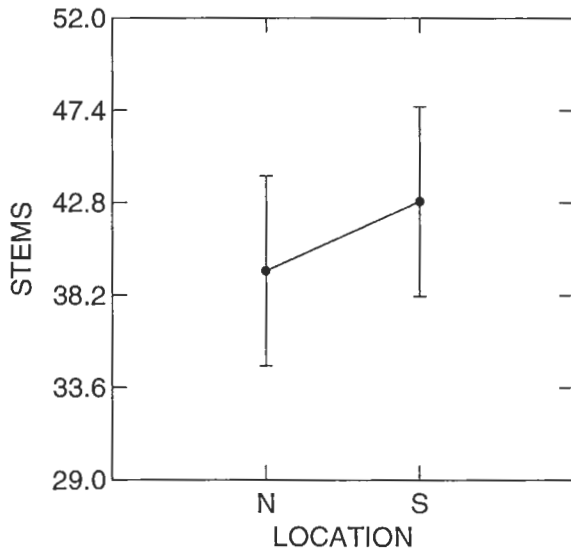
N, S  
1 case(s) deleted due to missing data.

Dep Var: STEMS N: 40 Multiple R: 0.083 Squared multiple R: 0.007

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	119.025	1	119.025	0.267	0.609
Error	16955.350	38	446.193		

Least Squares Means



Durbin-Watson D Statistic 1.667  
First Order Autocorrelation 0.132

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

TREATMENT\$ (2 levels)

Control, Lime Slurry

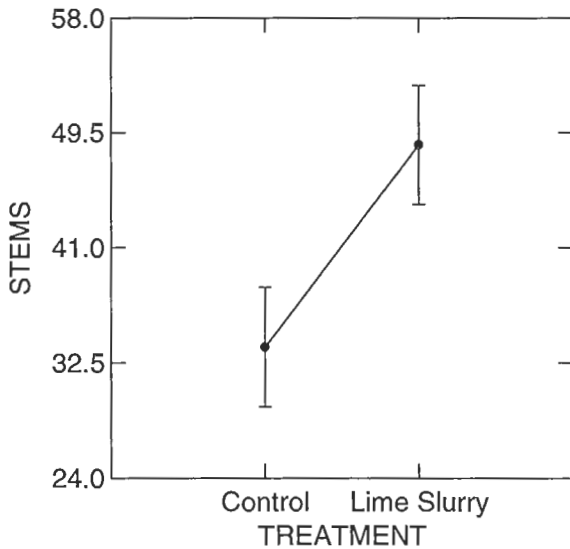
1 case(s) deleted due to missing data.

Dep Var: STEMS N: 40 Multiple R: 0.362 Squared multiple R: 0.131

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	2235.025	1	2235.025	5.723	0.022
Error	14839.350	38	390.509		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 18 is an outlier (Studentized Residual = 3.511)

Durbin-Watson D Statistic 1.849

First Order Autocorrelation 0.049

Categorical values encountered during processing are:

TREATMENT\$ (2 levels)



Control, Lime Slurry  
PLOT (4 levels)  
1, 2, 5, 6

Kruskal-Wallis One-Way Analysis of Variance for 40 cases  
Dependent variable is STEMS  
Grouping variable is PLOT

Group	Count	Rank Sum
1	10	289.500
2	10	136.000
5	10	219.500
6	10	175.000

Kruskal-Wallis Test Statistic = 9.530  
Probability is 0.023 assuming Chi-square distribution with 3 df

Categorical values encountered during processing are:  
TREATMENT\$ (2 levels)  
Control, Lime Slurry  
LOCATION\$ (2 levels)  
N, S

Kruskal-Wallis One-Way Analysis of Variance for 40 cases  
Dependent variable is STEMS  
Grouping variable is LOCATION\$

Group	Count	Rank Sum
N	20	394.500
S	20	425.500

Mann-Whitney U test statistic = 184.500  
Probability is 0.675  
Chi-square approximation = 0.176 with 1 df

Categorical values encountered during processing are:  
TREATMENT\$ (2 levels)  
Control, Lime Slurry

Kruskal-Wallis One-Way Analysis of Variance for 40 cases  
Dependent variable is STEMS  
Grouping variable is TREATMENT\$

Group	Count	Rank Sum
Control	20	311.000
Lime Slurry	20	509.000

Mann-Whitney U test statistic = 101.000  
Probability is 0.007  
Chi-square approximation = 7.178 with 1 df

41 cases and 6 variables processed and saved.

TREATMENT\$	LOCATION\$	PLOT	STATION	DATE	STEMS
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IMPORT successfully completed.

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (4 levels)

1, 2, 5, 6

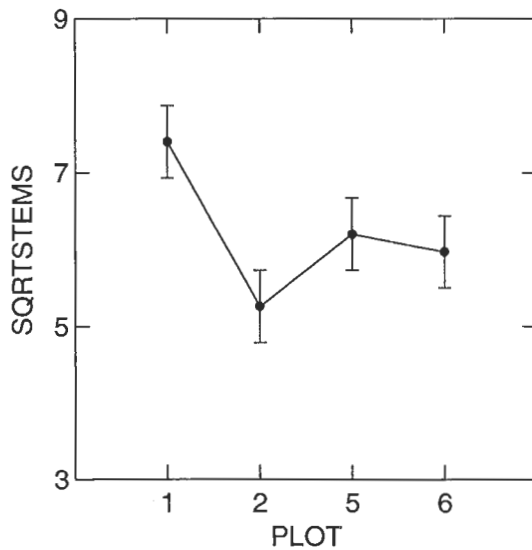
1 case(s) deleted due to missing data.

Dep Var: SQRTSTEMS N: 40 Multiple R: 0.479 Squared multiple R: 0.230

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	23.722	3	7.907	3.582	0.023
Error	79.467	36	2.207		

Least Squares Means



*Appendix D-3*

**June 24-26, 1998**

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (6 levels)

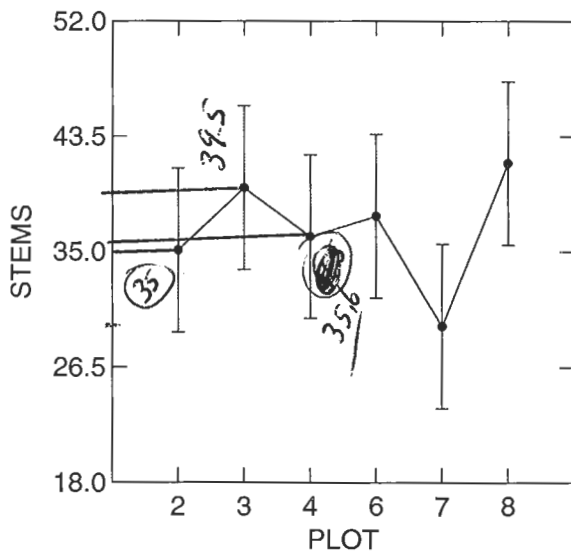
2, 3, 4, 6, 7, 8

Dep Var: STEMS N: 60 Multiple R: 0.207 Squared multiple R: 0.043

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	875.283	5	175.057	0.481	0.789
Error	19645.300	54	363.802		

Least Squares Means



Durbin-Watson D Statistic 1.678  
First Order Autocorrelation 0.138

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

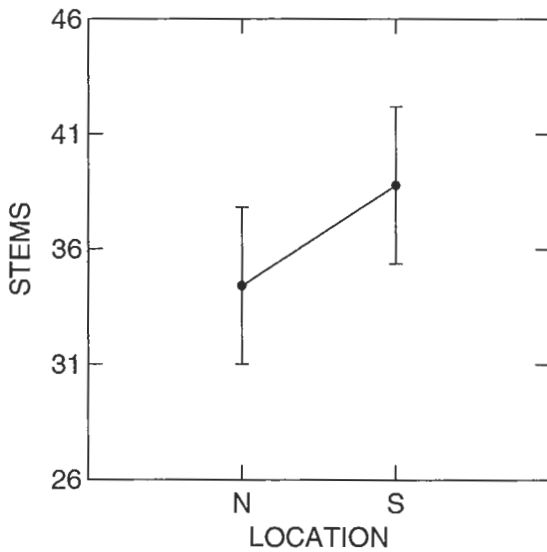
N, S

Dep Var: STEMS N: 60 Multiple R: 0.118 Squared multiple R: 0.014

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	286.017	1	286.017	0.820	0.369
Error	20234.567	58	348.872		

Least Squares Means



Durbin-Watson D Statistic 1.623  
First Order Autocorrelation 0.158

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

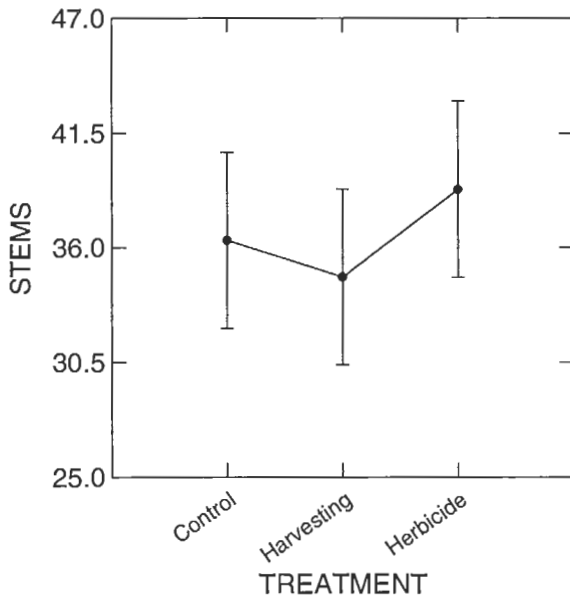
TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide

Dep Var: STEMS N: 60 Multiple R: 0.093 Squared multiple R: 0.009

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	178.033	2	89.017	0.249	0.780
Error	20342.550	57	356.887		

Least Squares Means



Durbin-Watson D Statistic 1.624  
 First Order Autocorrelation 0.161

Categorical values encountered during processing are:  
 TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide  
 PLOT (6 levels)  
 2, 3, 4, 6, 7, 8

Kruskal-Wallis One-Way Analysis of Variance for 60 cases

Dependent variable is STEMS  
 Grouping variable is PLOT

Group	Count	Rank Sum
2	10	293.500
3	10	327.500
4	10	299.000
6	10	331.000
7	10	235.000
8	10	344.000

Kruskal-Wallis Test Statistic = 2.551  
 Probability is 0.769 assuming Chi-square distribution with 5 df

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide  
 LOCATION\$ (2 levels)  
 N, S

Kruskal-Wallis One-Way Analysis of Variance for 60 cases

Dependent variable is STEMS  
 Grouping variable is LOCATION\$

Group	Count	Rank Sum
N	30	865.000
S	30	965.000

Mann-Whitney U test statistic = 400.000  
 Probability is 0.459  
 Chi-square approximation = 0.547 with 1 df

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide

Kruskal-Wallis One-Way Analysis of Variance for 60 cases

Dependent variable is STEMS  
 Grouping variable is TREATMENT\$

Group	Count	Rank Sum
Control	20	624.500
Harvesting	20	562.500
Herbicide	20	643.000

Kruskal-Wallis Test Statistic = 0.584  
 Probability is 0.747 assuming Chi-square distribution with 2 df

60 cases and 6 variables processed and saved.

SYSTAT Rectangular file C:\Program Files\SYSTAT 9\June\_24\_1998\_stems.SYD,  
 created Wed Jun 06, 2001 at 22:45:54, contains variables:

TREATMENT\$      LOCATION\$      PLOT      STATION      DATE      STEMS



IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (6 levels)

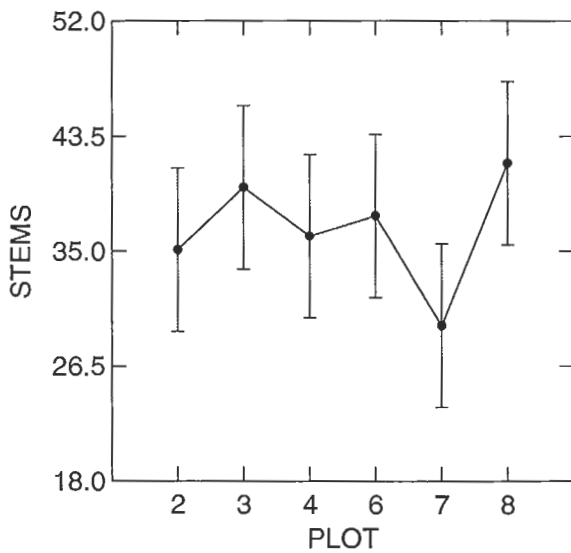
2, 3, 4, 6, 7, 8

Dep Var: STEMS N: 60 Multiple R: 0.207 Squared multiple R: 0.043

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	875.283	5	175.057	0.481	0.789
Error	19645.300	54	363.802		

Least Squares Means



Durbin-Watson D Statistic 1.678  
First Order Autocorrelation 0.138

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

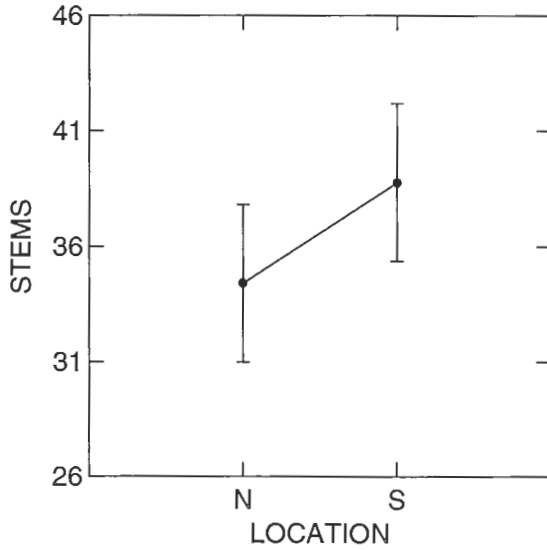
N, S

Dep Var: STEMS N: 60 Multiple R: 0.118 Squared multiple R: 0.014

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	286.017	1	286.017	0.820	0.369
Error	20234.567	58	348.872		

Least Squares Means



Durbin-Watson D Statistic 1.623  
First Order Autocorrelation 0.158

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

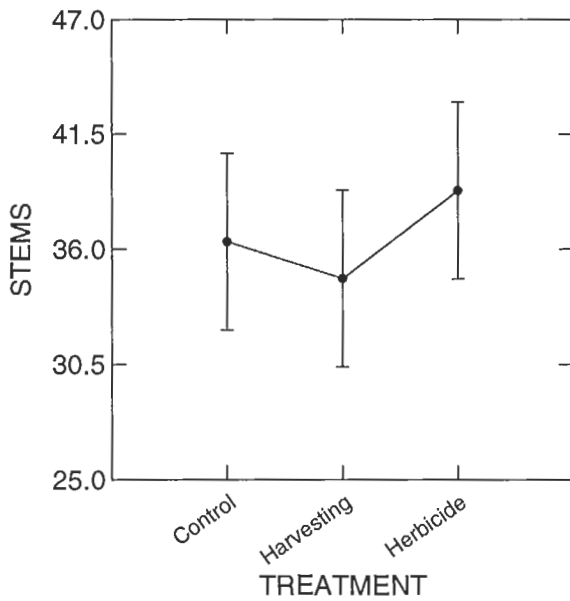
TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide

Dep Var: STEMS N: 60 Multiple R: 0.093 Squared multiple R: 0.009

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	178.033	2	89.017	0.249	0.780
Error	20342.550	57	356.887		

Least Squares Means



Durbin-Watson D Statistic 1.624  
 First Order Autocorrelation 0.161

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide

PLOT (6 levels)  
 2, 3, 4, 6, 7, 8

Kruskal-Wallis One-Way Analysis of Variance for 60 cases

Dependent variable is STEMS  
Grouping variable is PLOT

Group	Count	Rank Sum
2	10	293.500
3	10	327.500
4	10	299.000
6	10	331.000
7	10	235.000
8	10	344.000

Kruskal-Wallis Test Statistic = 2.551  
Probability is 0.769 assuming Chi-square distribution with 5 df

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)  
Control, Harvesting, Herbicide  
LOCATION\$ (2 levels)  
N, S

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
Dependent variable is STEMS  
Grouping variable is LOCATION\$

Group	Count	Rank Sum
N	30	865.000
S	30	965.000

Mann-Whitney U test statistic = 400.000  
Probability is 0.459  
Chi-square approximation = 0.547 with 1 df

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)  
Control, Harvesting, Herbicide

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
Dependent variable is STEMS  
Grouping variable is TREATMENT\$

Group	Count	Rank Sum
Control	20	624.500
Harvesting	20	562.500
Herbicide	20	643.000

Kruskal-Wallis Test Statistic = 0.584  
Probability is 0.747 assuming Chi-square distribution with 2 df

60 cases and 6 variables processed and saved.

SYSTAT Rectangular file C:\Program Files\SYSTAT 9\June\_24\_1998\_stems.SYD,  
created Wed Jun 06, 2001 at 22:45:54, contains variables:

TREATMENT\$	LOCATION\$	PLOT	STATION	DATE	STEMS
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IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (6 levels)

2, 3, 4, 6, 7, 8

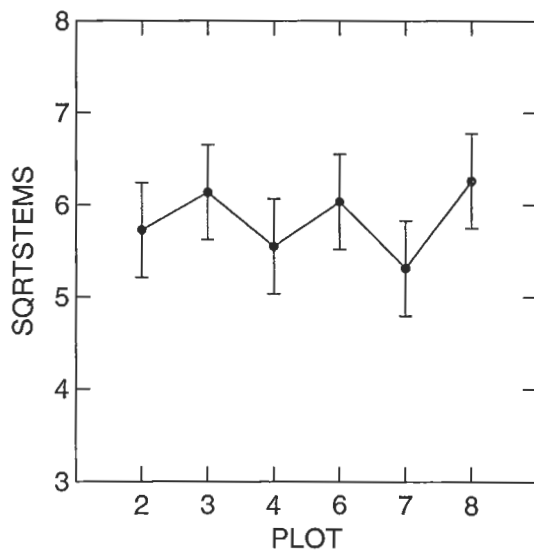
Dep Var: SQRSTEMS N: 60 Multiple R: 0.212 Squared multiple R: 0.045

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	6.782	5	1.356	0.508	0.769
Error	144.122	54	2.669		

---

Least Squares Means



Durbin-Watson D Statistic 1.630  
First Order Autocorrelation 0.151

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

N, S

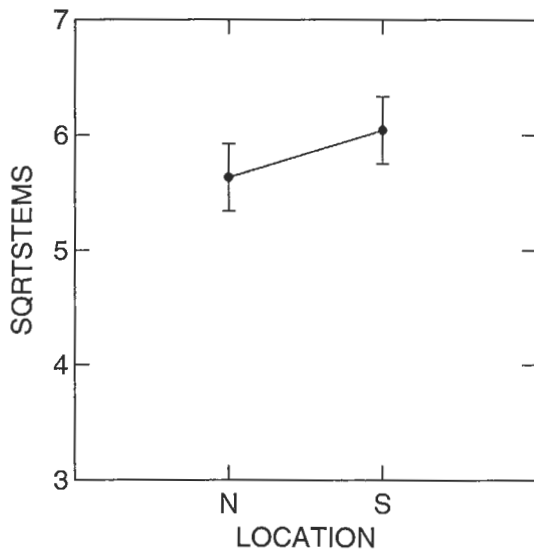
Dep Var: SQRSTSTEMS N: 60 Multiple R: 0.129 Squared multiple R: 0.017

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	2.513	1	2.513	0.982	0.326
Error	148.391	58	2.558		

---

Least Squares Means



Durbin-Watson D Statistic 1.564  
First Order Autocorrelation 0.176

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)  
Control, Harvesting , Herbicide

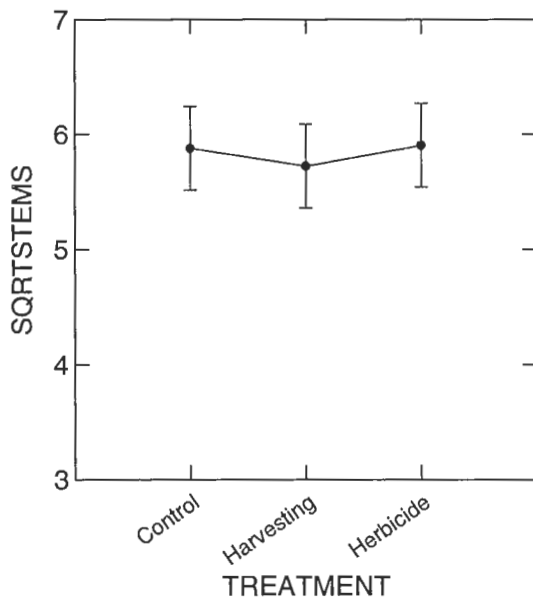
Dep Var: SQRTSTEMS N: 60 Multiple R: 0.050 Squared multiple R: 0.003

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	0.383	2	0.192	0.073	0.930
Error	150.521	57	2.641		

---

Least Squares Means



Durbin-Watson D Statistic 1.551  
First Order Autocorrelation 0.185

*Appendix D-4*

**July 29 30, 1998**



IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (4 levels)

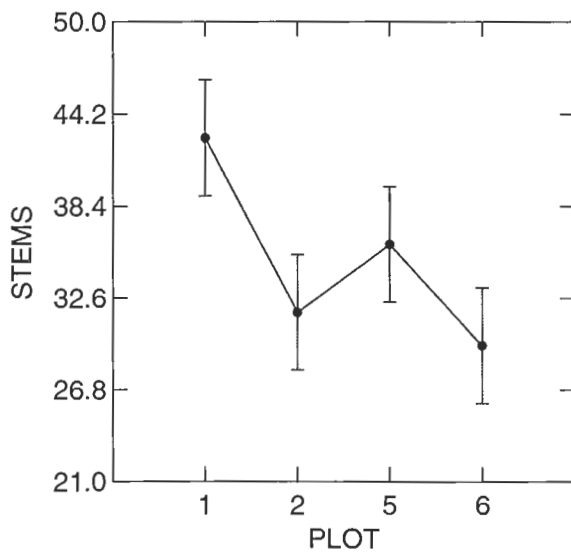
1, 2, 5, 6

Dep Var: STEMS N: 40 Multiple R: 0.416 Squared multiple R: 0.173

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	1003.400	3	334.467	2.512	0.074
Error	4792.600	36	133.128		

Least Squares Means



Durbin-Watson D Statistic 1.621  
First Order Autocorrelation 0.120

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

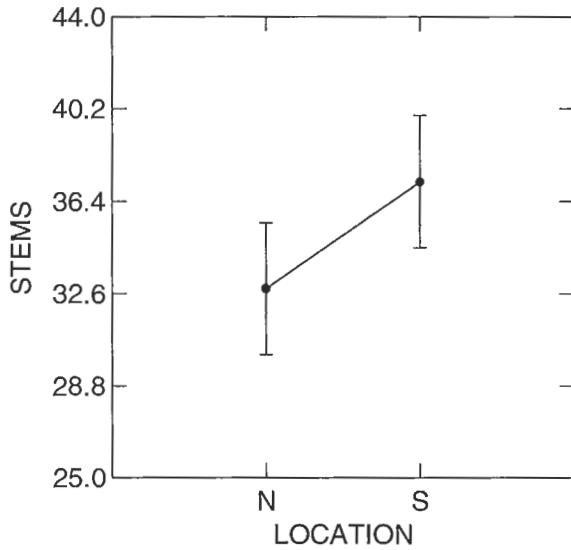
N, S

Dep Var: STEMS N: 40 Multiple R: 0.183 Squared multiple R: 0.033

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	193.600	1	193.600	1.313	0.259
Error	5602.400	38	147.432		

Least Squares Means



Durbin-Watson D Statistic 1.420  
 First Order Autocorrelation 0.200

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

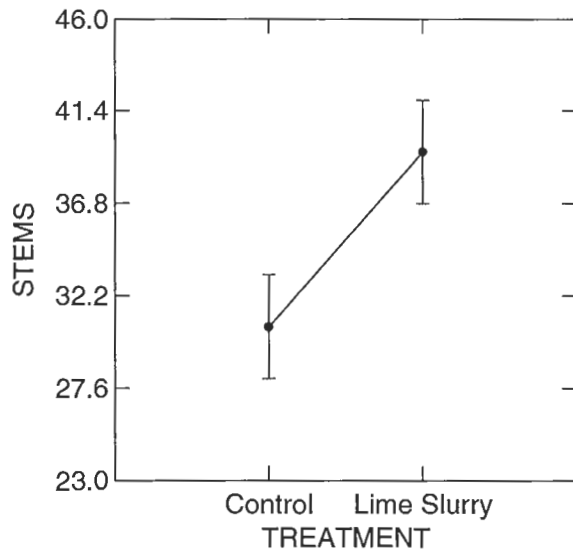
TREATMENT\$ (2 levels)  
Control, Lime Slurry

Dep Var: STEMS N: 40 Multiple R: 0.361 Squared multiple R: 0.131

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	756.900	1	756.900	5.708	0.022
Error	5039.100	38	132.608		

Least Squares Means



Durbin-Watson D Statistic 1.573  
First Order Autocorrelation 0.153

Categorical values encountered during processing are:

TREATMENT\$ (2 levels)  
Control, Lime Slurry

PLOT (4 levels)  
1, 2, 5, 6

Kruskal-Wallis One-Way Analysis of Variance for 40 cases  
Dependent variable is STEMS

Grouping variable is PLOT

Group	Count	Rank Sum
1	10	274.500
2	10	187.500
5	10	205.500
6	10	152.500

Kruskal-Wallis Test Statistic = 5.785  
 Probability is 0.123 assuming Chi-square distribution with 3 df

Categorical values encountered during processing are:

TREATMENT\$ (2 levels)

Control, Lime Slurry

LOCATION\$ (2 levels)

N, S

Kruskal-Wallis One-Way Analysis of Variance for 40 cases

Dependent variable is STEMS

Grouping variable is LOCATION\$

Group	Count	Rank Sum
N	20	358.000
S	20	462.000

Mann-Whitney U test statistic = 148.000

Probability is 0.159

Chi-square approximation = 1.982 with 1 df

Categorical values encountered during processing are:

TREATMENT\$ (2 levels)

Control, Lime Slurry

Kruskal-Wallis One-Way Analysis of Variance for 40 cases

Dependent variable is STEMS

Grouping variable is TREATMENT\$

Group	Count	Rank Sum
Control	20	340.000
Lime Slurry	20	480.000

Mann-Whitney U test statistic = 130.000

Probability is 0.058

Chi-square approximation = 3.591 with 1 df

40 cases and 6 variables processed and saved.

SYSTAT Rectangular file C:\Program Files\SYSTAT 9\July\_29\_1998\_stems.SYD,  
 created Wed Jun 06, 2001 at 22:51:07, contains variables:

TREATMENT\$      LOCATION\$      PLOT      STATION      DATE      STEMS

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (4 levels)

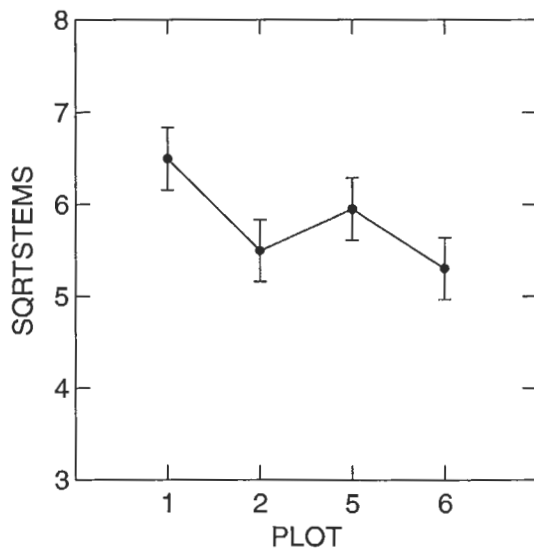
1, 2, 5, 6

Dep Var: SQRSTSTEMS N: 40 Multiple R: 0.413 Squared multiple R: 0.170

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	8.416	3	2.805	2.465	0.078
Error	40.968	36	1.138		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 1 is an outlier (Studentized Residual = -3.435)

Durbin-Watson D Statistic 1.584

First Order Autocorrelation 0.093

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

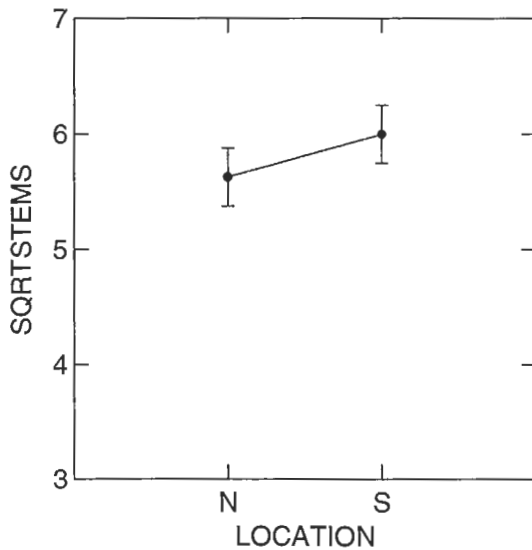
N, S

Dep Var: SQRTSTEMS N: 40 Multiple R: 0.167 Squared multiple R: 0.028

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	1.372	1	1.372	1.086	0.304
Error	48.013	38	1.263		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 1 is an outlier (Studentized Residual = -3.753)

Durbin-Watson D Statistic 1.378

First Order Autocorrelation 0.176

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

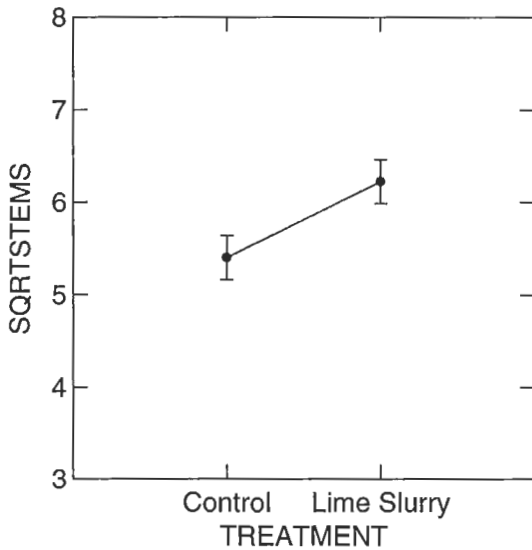
TREATMENT\$ (2 levels)  
Control, Lime Slurry

Dep Var: SQRTSTEMS N: 40 Multiple R: 0.370 Squared multiple R: 0.137

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	6.742	1	6.742	6.008	0.019
Error	42.642	38	1.122		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 1 is an outlier (Studentized Residual = -3.183)

Durbin-Watson D Statistic 1.545

First Order Autocorrelation 0.125

*Appendix D-5*

**August 17-20, 1998**



IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (8 levels)

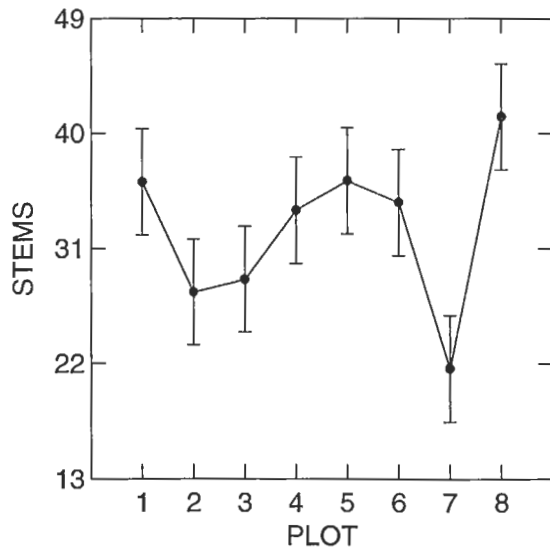
1, 2, 3, 4, 5, 6, 7,  
8

Dep Var: STEMS N: 80 Multiple R: 0.423 Squared multiple R: 0.179

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	2702.550	7	386.079	2.242	0.040
Error	12399.400	72	172.214		

Least Squares Means



Durbin-Watson D Statistic 2.068  
First Order Autocorrelation -0.059

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

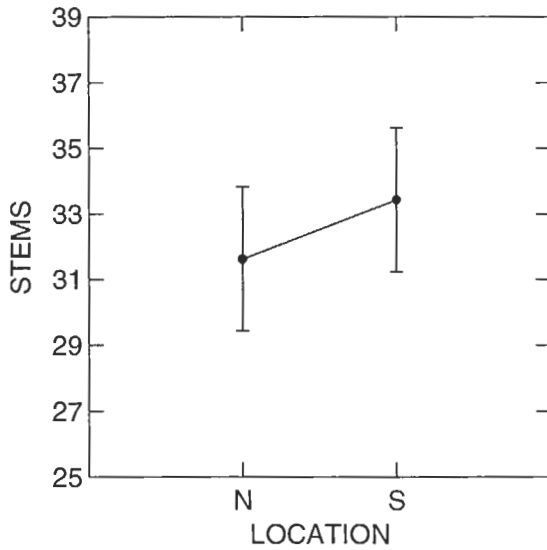
N, S

Dep Var: STEMS N: 80 Multiple R: 0.066 Squared multiple R: 0.004

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	64.800	1	64.800	0.336	0.564
Error	15037.150	78	192.784		

Least Squares Means



Durbin-Watson D Statistic 1.778  
 First Order Autocorrelation 0.078

Effects coding used for categorical variables in model.

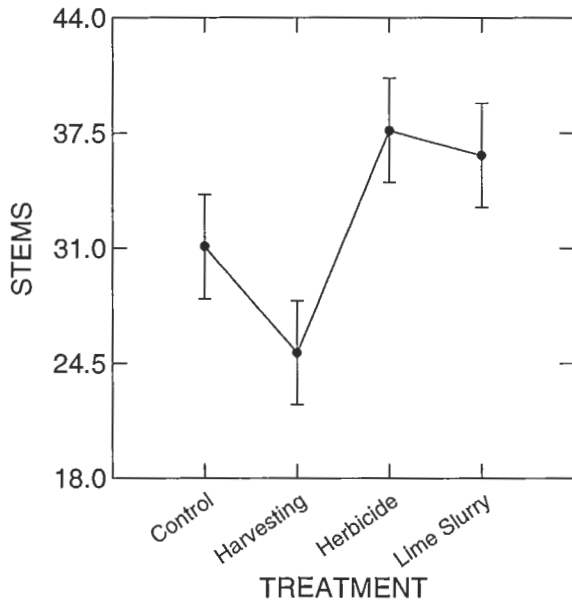
Categorical values encountered during processing are:  
 TREATMENT\$ (4 levels)  
 Control, Harvesting , Herbicide, Lime Slurry

Dep Var: STEMS N: 80 Multiple R: 0.359 Squared multiple R: 0.129

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	1946.050	3	648.683	3.747	0.014
Error	13155.900	76	173.104		

Least Squares Means



Durbin-Watson D Statistic 1.980  
 First Order Autocorrelation -0.020

Categorical values encountered during processing are:  
 TREATMENT\$ (4 levels)  
 Control, Harvesting , Herbicide, Lime Slurry

PLOT (8 levels)  
 1, 2, 3, 4, 5, 6, 7,  
 8

Kruskal-Wallis One-Way Analysis of Variance for 80 cases

Dependent variable is STEMS

Grouping variable is PLOT

Group	Count	Rank Sum
1	10	467.000
2	10	349.000
3	10	363.000
4	10	456.000
5	10	481.000
6	10	394.000
7	10	199.000
8	10	531.000

Kruskal-Wallis Test Statistic = 14.005

Probability is 0.051 assuming Chi-square distribution with 7 df

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

N, S

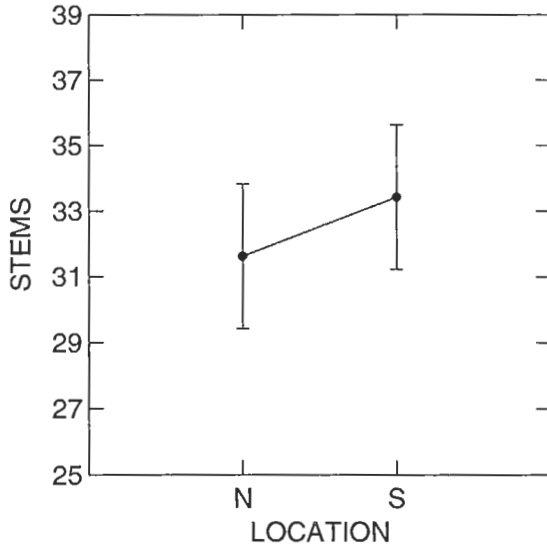
Dep Var: STEMS N: 80 Multiple R: 0.066 Squared multiple R: 0.004

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	64.800	1	64.800	0.336	0.564
Error	15037.150	78	192.784		

---

### Least Squares Means



Durbin-Watson D Statistic 1.778  
 First Order Autocorrelation 0.078

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

TREATMENT\$ (4 levels)

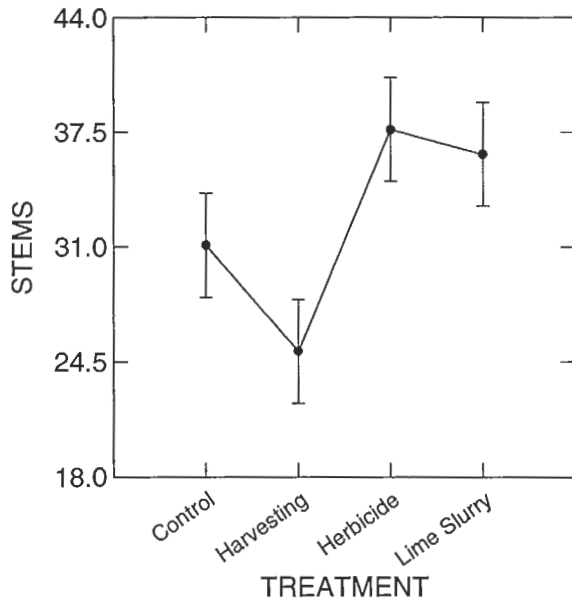
Control, Harvesting , Herbicide, Lime Slurry

Dep Var: STEMS N: 80 Multiple R: 0.359 Squared multiple R: 0.129

#### Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	1946.050	3	648.683	3.747	0.014
Error	13155.900	76	173.104		

### Least Squares Means



Durbin-Watson D Statistic 1.980  
First Order Autocorrelation -0.020

80 cases and 6 variables processed and saved.

SYSTAT Rectangular file C:\Program Files\SYSTAT 9\August\_17\_1998\_stems.SYD,  
created Wed Jun 06, 2001 at 22:58:50, contains variables:

TREATMENT\$	LOCATION\$	PLOT	STATION	DATE	STEMS
-------------	------------	------	---------	------	-------

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (8 levels)

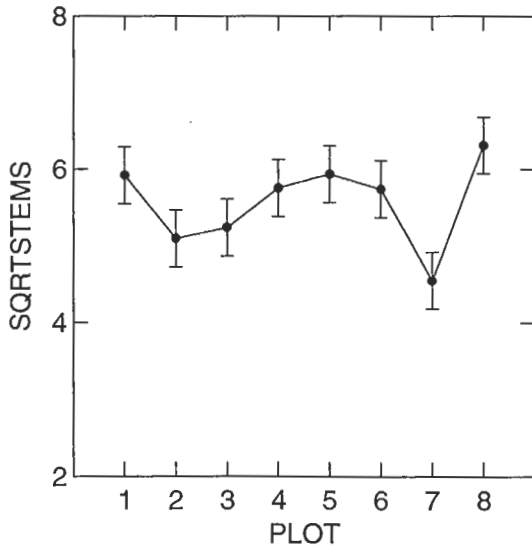
1, 2, 3, 4, 5, 6, 7,  
8

Dep Var: SQRTSTEMS N: 80 Multiple R: 0.429 Squared multiple R: 0.184

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	22.369	7	3.196	2.321	0.034
Error	99.146	72	1.377		

Least Squares Means



Durbin-Watson D Statistic 2.017  
First Order Autocorrelation -0.066

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

N, S

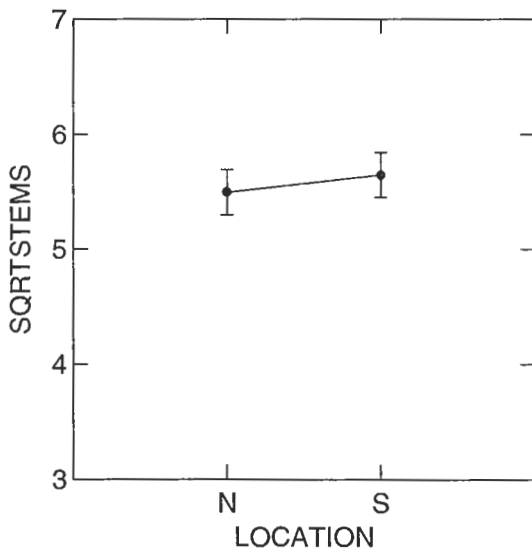
Dep Var: SQRTSTEMS N: 80 Multiple R: 0.060 Squared multiple R: 0.004

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	0.440	1	0.440	0.283	0.596
Error	121.075	78	1.552		

---

Least Squares Means



\*\*\* WARNING \*\*\*

Case 1 is an outlier (Studentized Residual = -3.385)

Durbin-Watson D Statistic 1.701

First Order Autocorrelation 0.084



Effects coding used for categorical variables in model.

Categorical values encountered during processing are:  
TREATMENT\$ (4 levels)

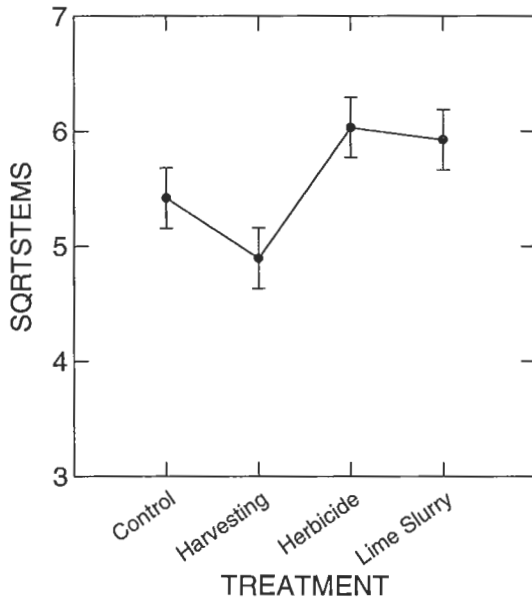
Control, Harvesting , Herbicide, Lime Slurry

Dep Var: SQRTSTEMS N: 80 Multiple R: 0.367 Squared multiple R: 0.135

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	16.398	3	5.466	3.952	0.011
Error	105.117	76	1.383		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 1 is an outlier (Studentized Residual = -3.438)

Durbin-Watson D Statistic 1.923

First Order Autocorrelation -0.026

*Appendix D-6*

**1998 Seasonal Changes**

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

SAMPLE (5 levels)

1, 2, 3, 4, 5

TREATMENT\$ (4 levels)

Control, Harvesting, Herbicide, Lime Slurry

The following effects have lost degrees of freedom.

Effect	Initial df	Lost df	Final df
SAMPLE	4	1	3
TREATMENT\$	3	1	2
SAMPLE*TREATMENT\$	12	4	8

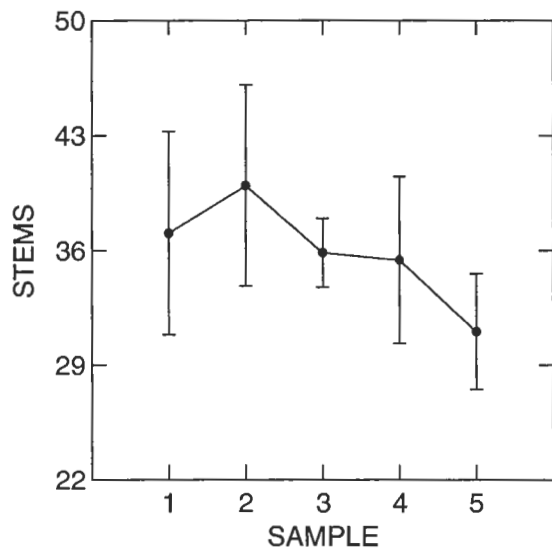
Dep Var: STEMS N: 279 Multiple R: 0.309 Squared multiple R: 0.095

Analysis of Variance

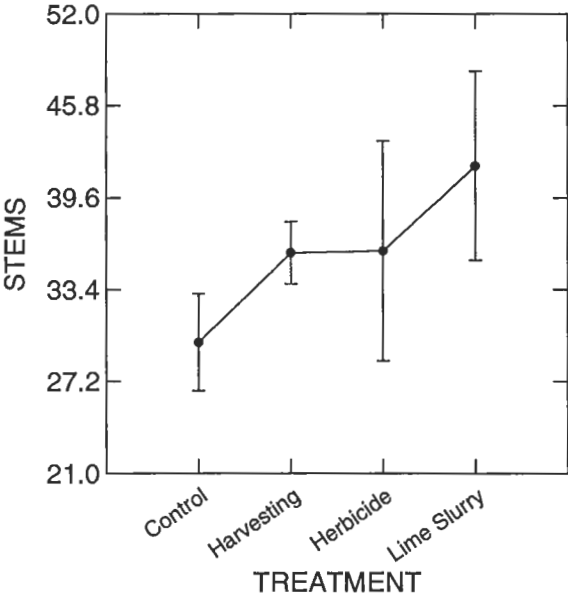
Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
Model	10607.616	13	815.970	2.148	0.012
Error	100686.326	265	379.948		

---

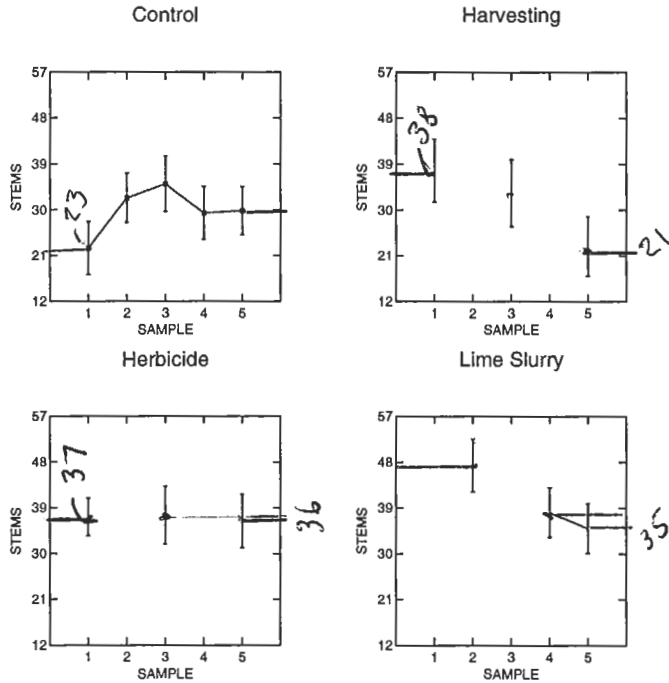
### Least Squares Means



### Least Squares Means



### Least Squares Means



\*\*\* WARNING \*\*\*

Case 106 is an outlier (Studentized Residual = 6.636)  
 Case 163 is an outlier (Studentized Residual = 3.898)

Durbin-Watson D Statistic 1.683  
 First Order Autocorrelation 0.158

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

SAMPLE (5 levels)  
 1, 2, 3, 4, 5  
 TREATMENT\$ (4 levels)  
 Control, Harvesting, Herbicide, Lime Slurry

The following effects have lost degrees of freedom.

Effect	Initial df	Lost df	Final df
SAMPLE	4	2	2
TREATMENT\$	3	1	2
SAMPLE*TREATMENT\$	12	3	9

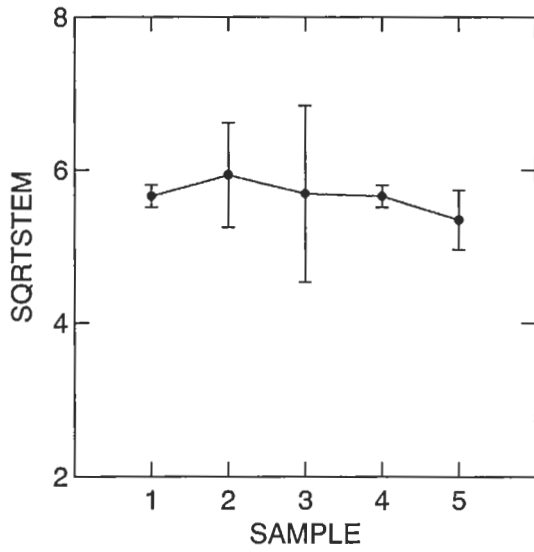
Dep Var: SQRTSTEM N: 279 Multiple R: 0.319 Squared multiple R: 0.102

Analysis of Variance

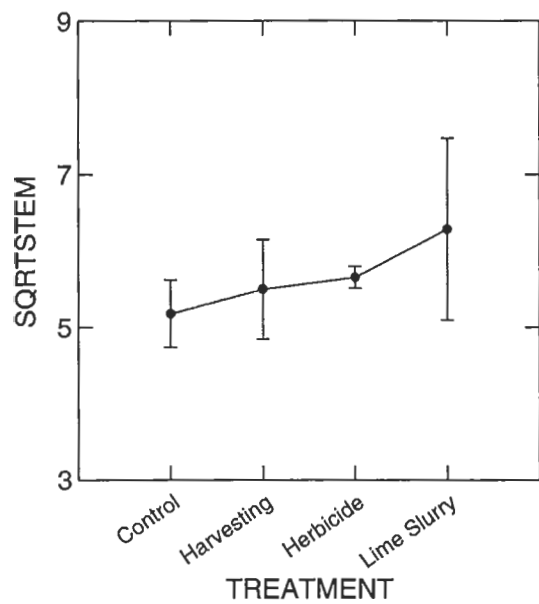
Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
Model	77.974	13	5.998	2.311	0.006
Error	687.884	265	2.596		

---

Least Squares Means

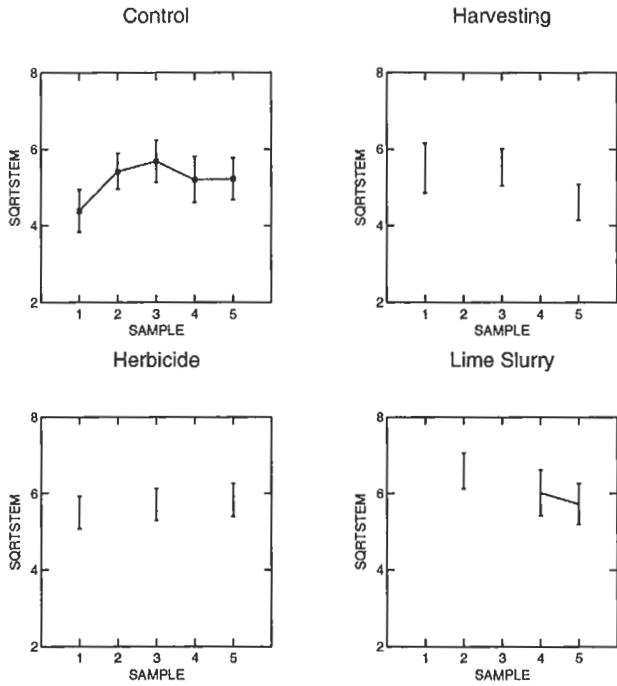


### Least Squares Means





### Least Squares Means



\*\*\* WARNING \*\*\*

Case 106 is an outlier (Studentized Residual = 4.639)

Durbin-Watson D Statistic 1.695  
 First Order Autocorrelation 0.152

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

SAMPLE (5 levels)

1, 2, 3, 4, 5

PLOT (8 levels)

1, 2, 3, 4, 5, 6, 7,  
 8

The following effects have lost degrees of freedom.

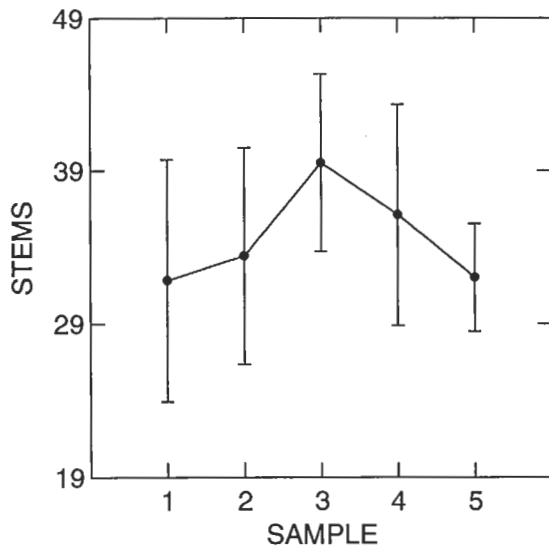
Effect	Initial df	Lost df	Final df
SAMPLE*PLOT	28	12	16

Dep Var: STEMS N: 279 Multiple R: 0.457 Squared multiple R: 0.208

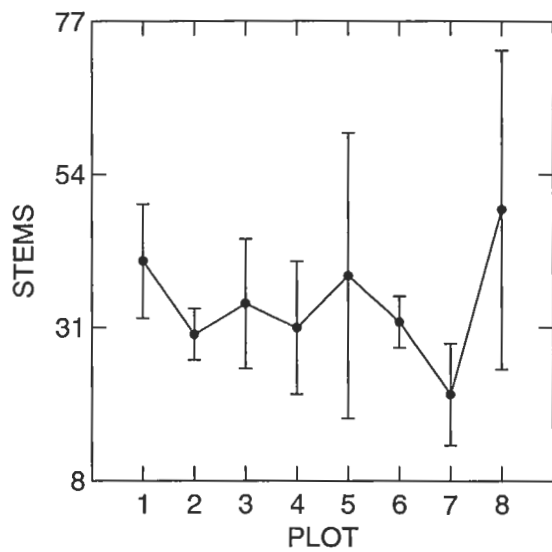
Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
Model	23202.187	27	859.340	2.449	0.000
Error	88091.756	251	350.963		

---

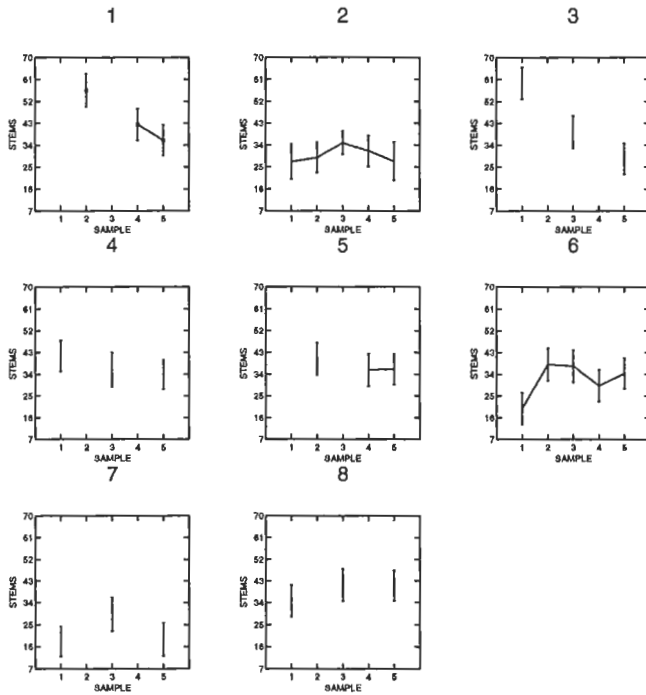
### Least Squares Means



### Least Squares Means



### Least Squares Means



\*\*\* WARNING \*\*\*

Case 106 is an outlier (Studentized Residual = 7.029)

Durbin-Watson D Statistic 1.873

First Order Autocorrelation 0.062

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

SAMPLE (5 levels)

1, 2, 3, 4, 5

PLOT (8 levels)

1, 2, 3, 4, 5, 6, 7, 8

The following effects have lost degrees of freedom.

Effect	Initial df	Lost df	Final df
SAMPLE	4	1	3
PLOT	7	2	5
SAMPLE*PLOT	28	9	19

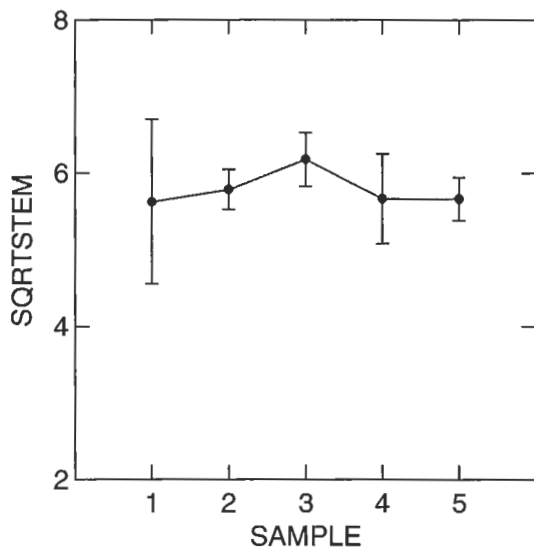
Dep Var: SQRTSTEM N: 279 Multiple R: 0.452 Squared multiple R: 0.204

Analysis of Variance

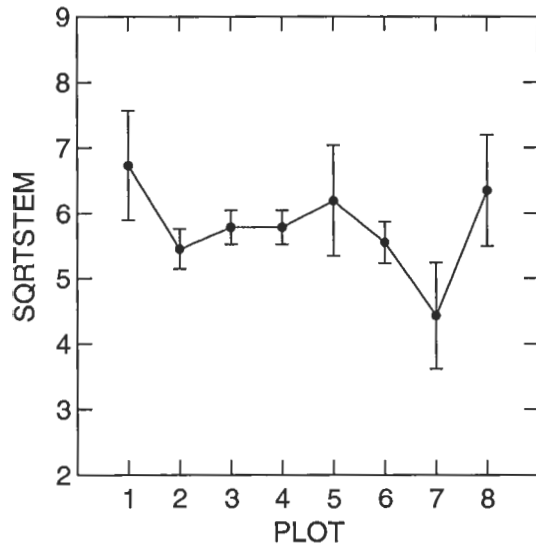
Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
Model	156.381	27	5.792	2.385	0.000
Error	609.478	251	2.428		

---

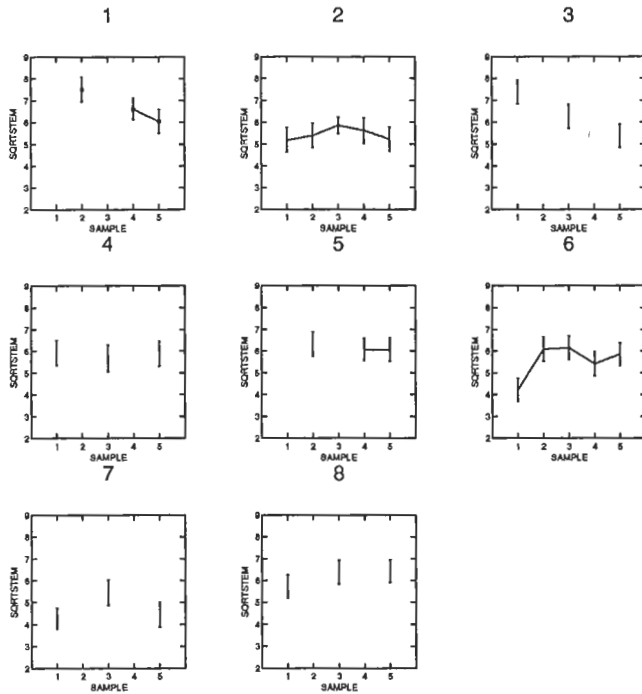
Least Squares Means



### Least Squares Means



### Least Squares Means



\*\*\* WARNING \*\*\*

Case 106 is an outlier (Studentized Residual = 4.709)  
 Case 169 is an outlier (Studentized Residual = -3.980)

Durbin-Watson D Statistic 1.873  
 First Order Autocorrelation 0.061

279 cases and 8 variables processed and saved.

SYSTAT Rectangular file C:\Program Files\SYSTAT 9\1998\_seasonal\_changes.SYD,  
 created Thu Jun 14, 2001 at 11:00:51, contains variables:

TREATMENT\$	LOCATION\$	PLOT	STATION	DATE	SAMPLE
STEMS	SQRTSTEM				

*Appendix D-7*

**June 22-25, 1999**



IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

PLOT (6 levels)

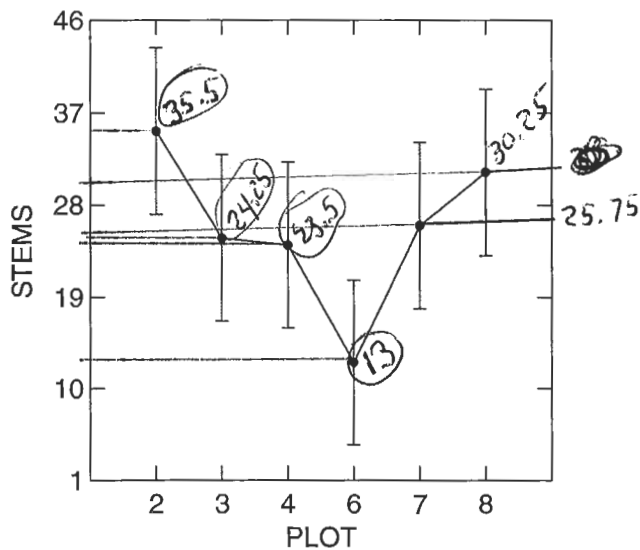
2, 3, 4, 6, 7, 8

Dep Var: STEMS N: 60 Multiple R: 0.277 Squared multiple R: 0.077

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	2955.550	5	591.110	0.897	0.490
Error	35582.100	54	658.928		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 27 is an outlier (Studentized Residual = 7.322)

Durbin-Watson D Statistic 2.166

First Order Autocorrelation -0.099

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

LOCATION\$ (2 levels)

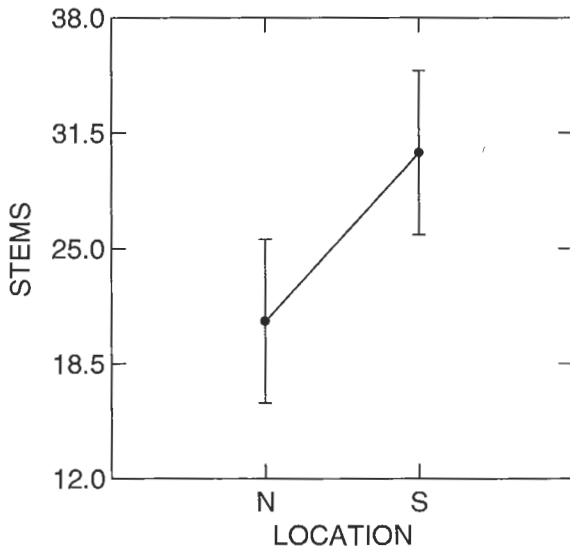
N, S

Dep Var: STEMS N: 60 Multiple R: 0.187 Squared multiple R: 0.035

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	1353.750	1	1353.750	2.112	0.152
Error	37183.900	58	641.102		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 27 is an outlier (Studentized Residual = 7.122)

Durbin-Watson D Statistic 2.062

First Order Autocorrelation -0.041

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)

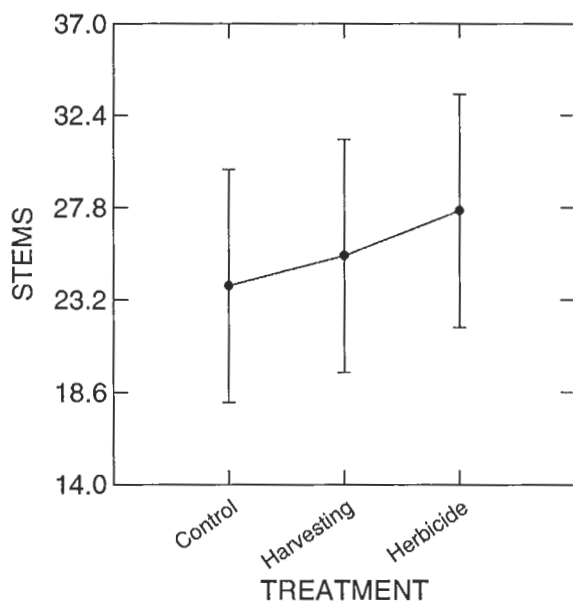
Control, Harvesting , Herbicide

Dep Var: STEMS N: 60 Multiple R: 0.061 Squared multiple R: 0.004

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	142.500	2	71.250	0.106	0.900
Error	38395.150	57	673.599		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 27 is an outlier (Studentized Residual = 6.331)

Durbin-Watson D Statistic 2.060

First Order Autocorrelation -0.040

Categorical values encountered during processing are:

TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide  
 PLOT (6 levels)  
 2, 3, 4, 6, 7, 8

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
 Dependent variable is STEMS  
 Grouping variable is PLOT

Group	Count	Rank Sum
2	10	358.500
3	10	355.000
4	10	195.000
6	10	202.000
7	10	344.000
8	10	375.500

Kruskal-Wallis Test Statistic = 11.346  
 Probability is 0.045 assuming Chi-square distribution with 5 df

Categorical values encountered during processing are:  
 TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide  
 LOCATION\$ (2 levels)  
 N, S

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
 Dependent variable is STEMS  
 Grouping variable is LOCATION\$

Group	Count	Rank Sum
N	30	741.000
S	30	1089.000

Mann-Whitney U test statistic = 276.000  
 Probability is 0.010  
 Chi-square approximation = 6.626 with 1 df

Categorical values encountered during processing are:  
 TREATMENT\$ (3 levels)  
 Control, Harvesting , Herbicide

Kruskal-Wallis One-Way Analysis of Variance for 60 cases  
 Dependent variable is STEMS  
 Grouping variable is TREATMENT\$

Group	Count	Rank Sum
Control	20	560.500
Harvesting	20	699.000
Herbicide	20	570.500

Kruskal-Wallis Test Statistic = 1.958  
 Probability is 0.376 assuming Chi-square distribution with 2 df

60 cases and 6 variables processed and saved.

SYSTAT Rectangular file C:\Program Files\SYSTAT 9\June\_22\_1998\_stems.SYD,  
created Wed Jun 06, 2001 at 23:08:57, contains variables:

TREATMENT\$	LOCATION\$	PLOT	STATION	DATE	STEMS
-------------	------------	------	---------	------	-------

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:

STATION (10 levels)

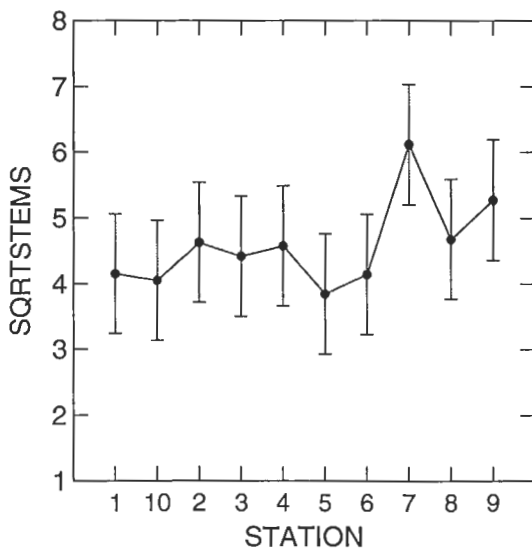
1, 2, 3, 4, 5, 6, 7,  
8, 9, 10

Dep Var: SQRTSTEMS N: 60 Multiple R: 0.298 Squared multiple R: 0.089

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
STATION	24.492	9	2.721	0.543	0.836
Error	250.813	50	5.016		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 27 is an outlier (Studentized Residual = 3.304)

Durbin-Watson D Statistic 1.978  
 First Order Autocorrelation -0.022

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:  
 PLOT (6 levels)

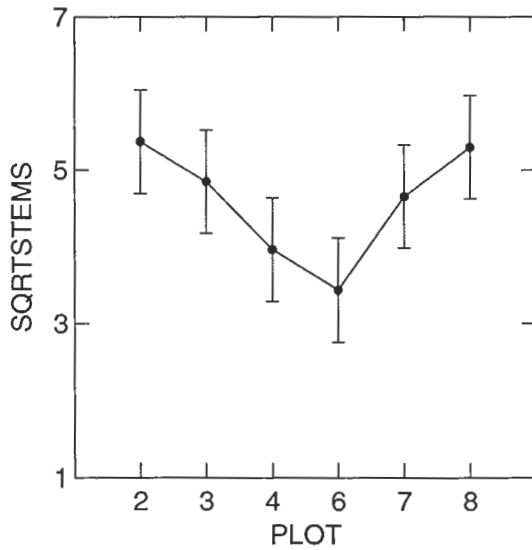
2, 3, 4, 6, 7, 8

Dep Var: SQRTSTEMS N: 60 Multiple R: 0.325 Squared multiple R: 0.106

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
PLOT	29.127	5	5.825	1.278	0.287
Error	246.178	54	4.559		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 27 is an outlier (Studentized Residual = 4.918)

Durbin-Watson D Statistic 2.137  
 First Order Autocorrelation -0.118

Effects coding used for categorical variables in model.

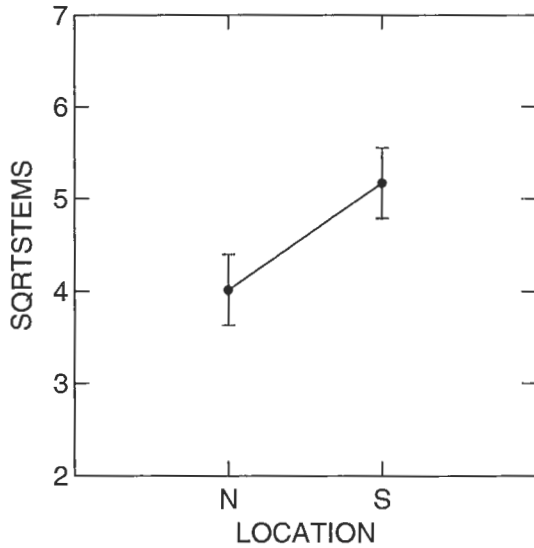
Categorical values encountered during processing are:  
LOCATION\$ (2 levels)  
N, S

Dep Var: SQRTSTEMS N: 60 Multiple R: 0.270 Squared multiple R: 0.073

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
LOCATION\$	20.064	1	20.064	4.559	0.037
Error	255.241	58	4.401		

Least Squares Means



\*\*\* WARNING \*\*\*  
Case 27 is an outlier (Studentized Residual = 4.681)  
Durbin-Watson D Statistic 2.049  
First Order Autocorrelation -0.060

Effects coding used for categorical variables in model.



Categorical values encountered during processing are:

TREATMENT\$ (3 levels)

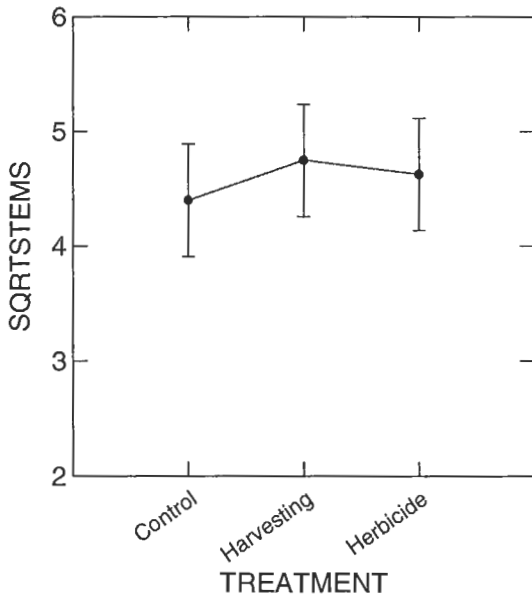
Control, Harvesting , Herbicide

Dep Var: SQRTSTEMS N: 60 Multiple R: 0.067 Squared multiple R: 0.005

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
TREATMENT\$	1.247	2	0.624	0.130	0.879
Error	274.058	57	4.808		

Least Squares Means



\*\*\* WARNING \*\*\*

Case 27 is an outlier (Studentized Residual = 4.039)

Durbin-Watson D Statistic 2.002

First Order Autocorrelation -0.043