

Figure 11. Soil salinity versus cover of five major species

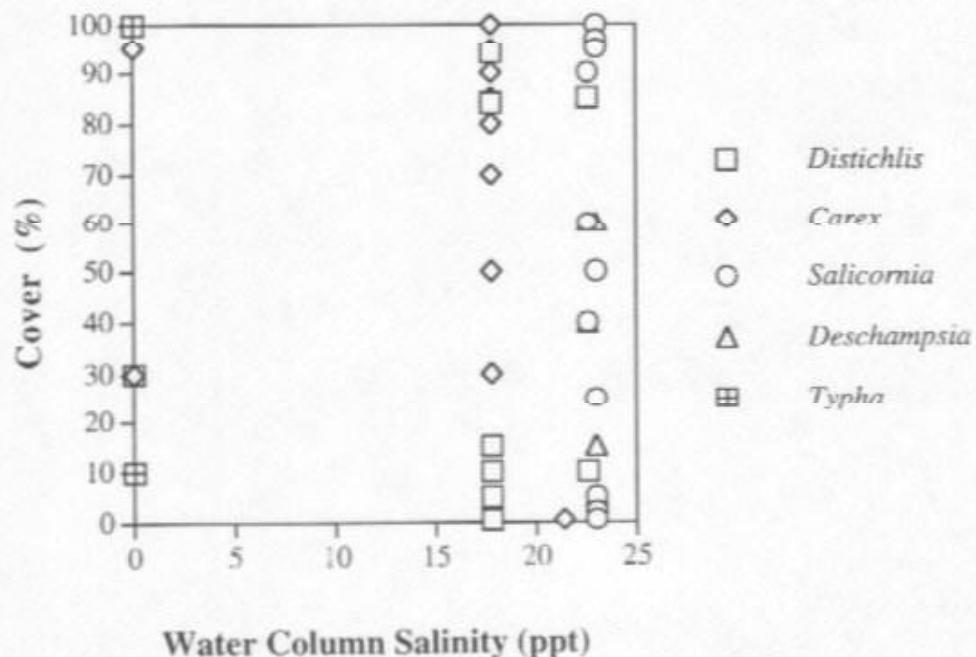


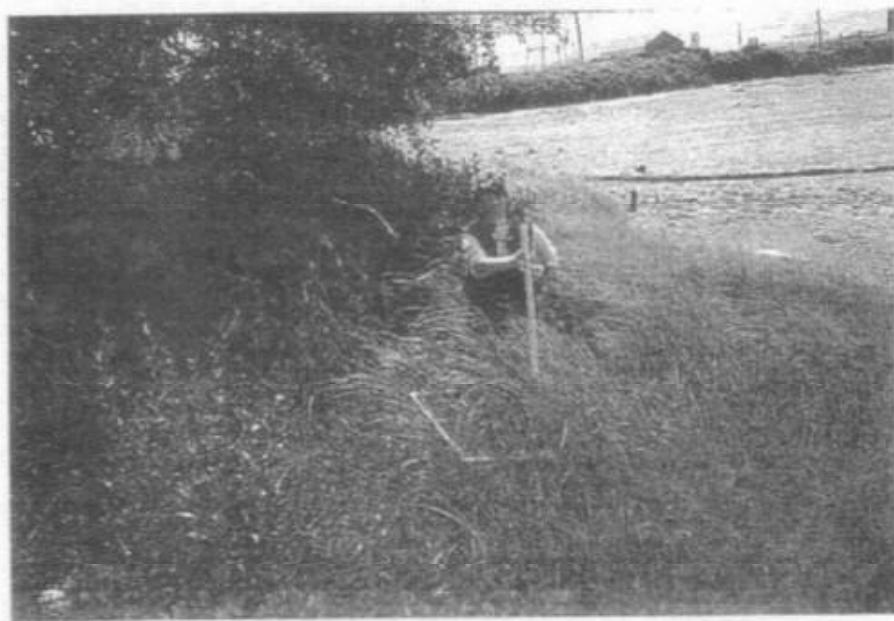
Figure 12. Water column salinity versus cover of five major species

Site	Transect No.	Quadrat No.	Elevation (ft, MLLW)	Bottom Salinity (ppt)	VEGETATION DISTRIBUTION DATA											
					3-4 June 1999 Water Col. Sal. (ppt)	27-Aug-99 Water Col. Sal. (ppt)	Moisture (%)	TOC (%)	Gravel (%)	Sand (%)	Silt (%)	Gley (%)	NO <sub>2</sub> +NO <sub>3</sub> (mg N/kg)	Tot. Kjeld N (mg N/kg)	Tot. P (ng/kg)	Tot. Solids (%)
Nursery	1	1	11.46	17.8												
		2	12.19	17.0												
		3	13.22	17.0												
		4	14.24	17.0												
		5	14.57	17.0												
	2	1	11.45	17.0	75.02	13.07	67.43	19.8	5.43	6.35	1.2	3700	1300	43.2		
Farmer	2	2	12.06	14	17.0											
		3	12.24	13	17.0											
		4	12.41	17.0												
		5	17.0													
	3	1	11.31	17.0												
		2	11.99	17.0												
Phone Pole Inc.	1	1	11.32	21.4	6.6	29.24	8.26	16.6	34.66	25.84	27.89					
		2	11.68	21.4	8.6											
		3	12.11	21.4	8.6											
		4	12.36	21.4	8.6											
		5	11.63	21.4	8.6											
	1	1	10.32	4.5	23	21.8										
Middle Waterway	1	2	10.26	23	21.8											
		3	10.48	30	23	21.8	31.34	1.11	0.3	89.26	1.86	5.58	1.0	780	680	72.8
		4	10.57	23	21.8											
		5	10.6	4.0	23	21.8										
		6	10.88	23	21.8											
	7	10.84	23	21.8												
Gog Lihi Ti	8	10.98	32	23	21.8											
	9	11.14	23	21.8												
	10	11.42	23	21.8												
	11	11.02	23	21.8												
	12	11.02	23	21.8												
	13	11.35	23	21.8												
Gog Lihi Ti	1	1	14.51	22.6	10.1											
	2	2	13.9	22.6	10.1											
	3	13.07	22.6	10.1												
	4	12.58	22.6	10.1												
	5	12.54	22.6	10.1												
	6	11.81	22.6	10.1												
Gog Lihi Ti	7	2	11.42	22.6	10.1											
	8	2	11.66	22.6	10.1											
	9	11.4	5	0.6	0.6	0.6	67.77	4.17	0	0.14	69.49	30.37	5	3500	1800	21
	10	1.5	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	11	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	12	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	13	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	14	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	15	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	16	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	17	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	18	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	19	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	20	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	21	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	22	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	23	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	24	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	25	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	26	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	27	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	28	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	29	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	30	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	31	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	32	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	33	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	34	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	35	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	36	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	37	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	38	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	39	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	40	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	41	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	42	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	43	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	44	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	45	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	46	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	47	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	48	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	49	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	50	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	51	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	52	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	53	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	54	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	55	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	56	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	57	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	58	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	59	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	60	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
Gog Lihi Ti	61	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	62	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	63	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68	1.3	120	440	99.4		
	64	0.2	0.6	0.6	0.6	0.6	0.59	96.15	2.57	0.68						

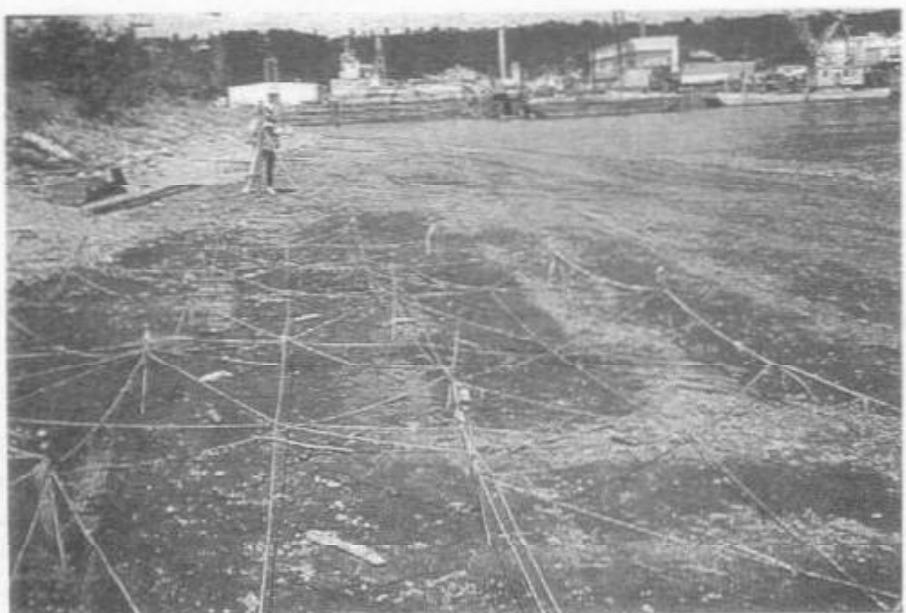
## VEGETATION DISTRIBUTION DATA

Site	Transect No.	Quadrat No.	Elevation (ft. MLLW)	Gravel/Mud (%)	Ditchlife (%)	Carex (%)	Aster (%)	Solidago (%)	Upland grass (%)	Triglochin (%)	wood (%)	Scirpus (%)	Jaumea (%)	Mud (%)	Spurrieria (%)	Occhampala (%)
Nursery	1	1	11.46	80	10	30										
		2	12.19		15	85	0.5									
		3	13.22		94		3		2							
		4	14.24		84		5									
		5	14.57		5		10									
	2	1	11.45													
Fairview		2	12.06		5		0.5									
		3	12.24													
		4	12.41													
		5														
		6														
	3	1	11.31	80												
Rhine profile		2	11.99	10												
		3	12.31		90											
		4	12.83		93											
		5	11.63	100												
		6	10.32			3										
	1	2	10.29						100							
Middle Waterway		3	10.48							97						
		4	10.57							50						
		5	10.8							2						
		6	10.88							50						
		7	10.84							5						
		8	10.98							95						
Gog Lake		9	11.14							25						
		10	11.42							2						
		11	11.62							0.5						
		12	11.82							0.5						
		13	11.35							0.5						
	1	1	14.51							0.5						
Gog Lake		2	13.9							0.5						
		3	13.07							0.5						
		4	12.56		10					40						
		2	1	12.54						40						
		2	2							90						
		3	11.42							60						
Gog Lake		4	11.66							10						
		1	11.4							0.5						
		3	3							0.5						
		4	4							0.5						
		5	7.5							0.5						
		2	1	8.6						0.5						
Gog Lake		2	2	7.9						0.5						
		3	1	1.0						0.5						
		2	2	9.2						0.5						
		3	10.6							0.5						
		3								0.5						
										0.5						



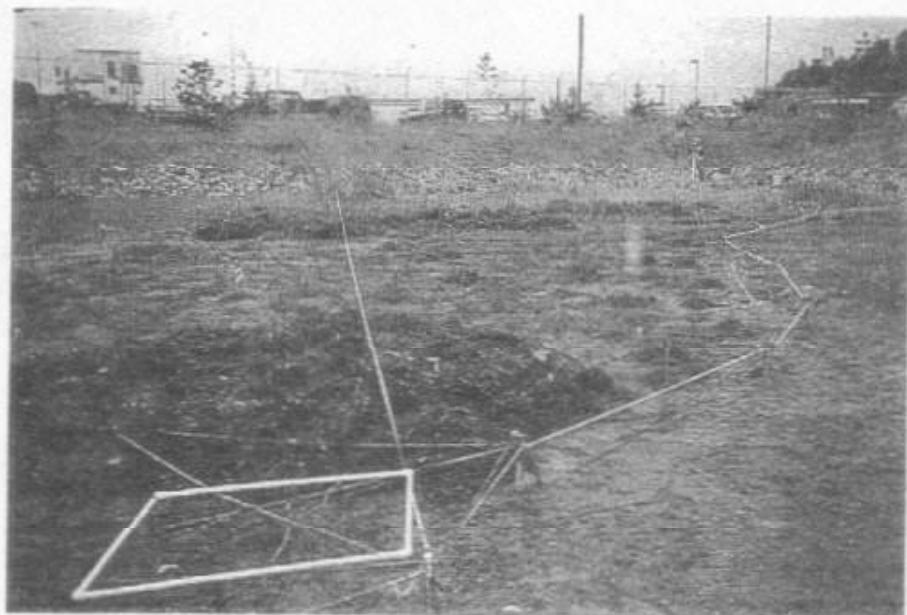


Appendix B. Nursery site showing quadrat in *Carex lyngbyei*

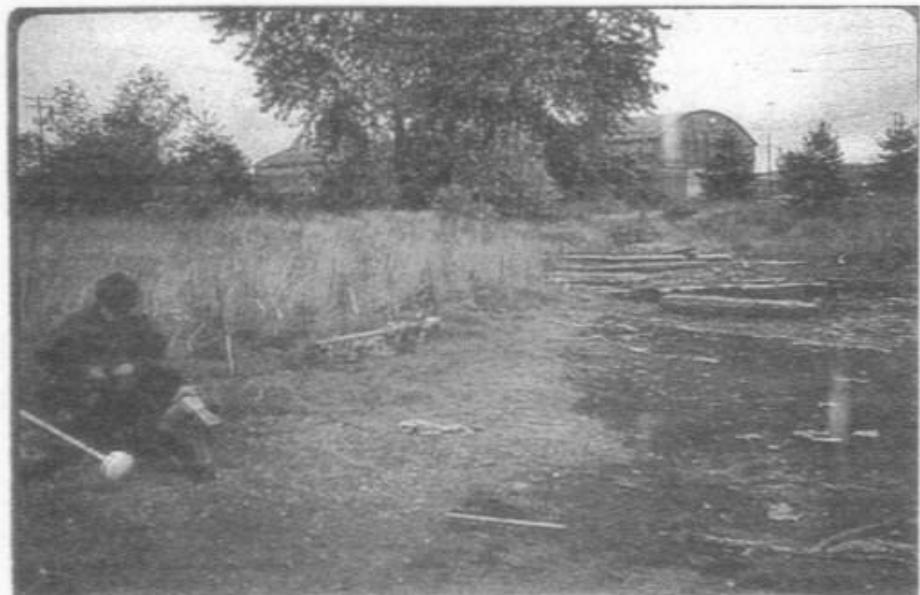


Appendix C. Fairliner site showing goose exclusion ropes and lack of vegetation

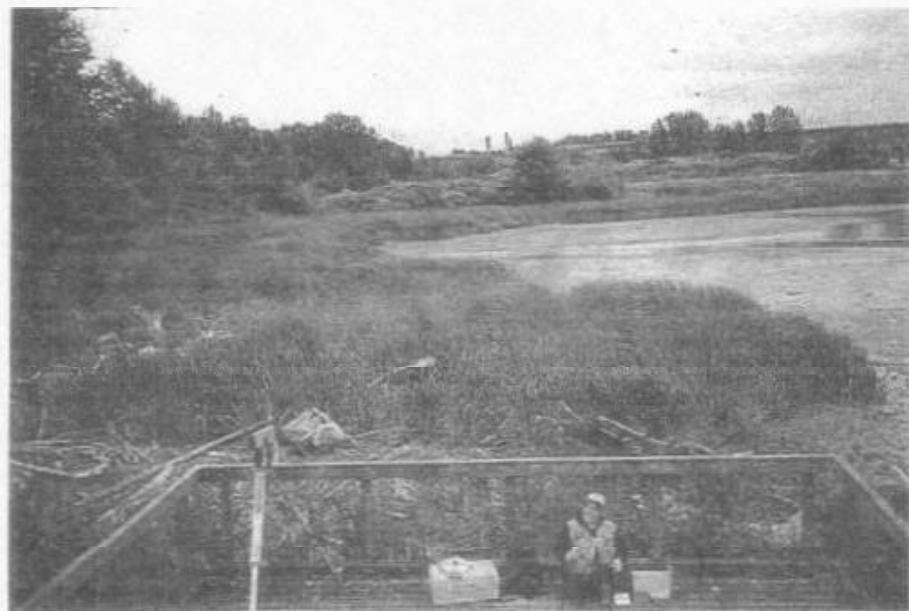
Commencement Bay Vegetation



Appendix D. Rhone-Poulanc site from lower end of transect showing *Salicornia virginica* clump in foreground and *Deschampsia cespitosa* in background



Appendix E. Middle Waterway site showing *Distichlis spicata* at lower elevation near mud interface and *Dechampsia cespitosa* at higher elevation



Appendix F. Gog-le-hi-te site showing *Typha* spp. stand