

Table 4. Environmental data for permanent plots, biotic data

Plot No.	Date Sampled	Tall shrub Cover (%)	Low shrub Cover (%)	Dwarf shrub Cover (%)	Shrub height (cm)	Graminoid Cover (%)	Forb Cover (%)	Lichen Cover (%)	Bryophyte Cover (%)	Horsetail Cover (%)
SWT-1	8/1/89	0	5	50	25	60	5	+	20	0
SWT-2	8/1/89	10	60	5	200	10	25	0	+	0
SWT-3	8/2/89	0	5	60	10	2	5	70	60	0
SWT-4	8/2/89	0	0	0	0	30	1	0	20	0
SWT-5	8/2/89	0	0	70	2	1	r	10	30	0
SWT-6	8/2/89	0	15	50	25	7	+	30	40	0
SWT-7	8/3/89	0	0	40	2	+	1	30	1	0
SWT-8	8/3/89	0	-	60	3	+	+	50	2	0
SWT-9	8/3/89	0	10	60	10	+	5	40	75	0
SWT-10	8/3/89	0	0	30	10	25	+	5	85	20
SWT-11	8/3/89	0	0	0	0	35	+	0	+	0
SWT-12	8/4/89	0	0	0	0	25	0	0	+	0
SWT-13	8/4/89	0	0	0	0	50	+	0	+	0
SWT-14	8/4/89	0	0	1	2	75	+	+	30	0
SWT-15	8/4/89	0	0	0	0	30	+	0	+	0
SWT-16	8/4/89	0	0	40	2	40	10	+	60	0
SWT-17	8/4/89	0	0	5	2	30	60	0	10	0
SWT-18	8/4/89	0	0	40	2	+	+	40	+	0
SWT-19	8/5/89	0	5	60	5	+	+	30	5	0
SWT-20	8/5/89	0	1	70	10	1	20	20	20	0
SWT-21	8/5/89	0	-	30	5	25	1	3	50	30
SWT-22	8/5/89	0	0	60	5	40	1	5	40	0
SWT-23	8/5/89	0	0	40	3	50	+	1	40	0
SWT-24	8/5/89	0	0	35	3	35	2	1	60	20
SWT-25	8/6/89	0	0	40	10	40	+	1	40	0
SWT-26	8/6/89	0	0	50	30	40	+	1	40	0
SWT-27	8/6/89	0	0	10	50	50	+	r	40	0
SWT-28	8/8/89	0	75	10	100	40	15	0	50	0
SWT-29	8/16/89	0	0	0	0	70	1	0	30	0
SWT-30	8/16/89	0	0	0	0	30	20	0	30	0

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Plot No.	Date Sampled	Tall shrub Cover (%)	Low shrub Cover (%)	Dwarf shrub Cover (%)	Shrub height (cm)	Graminoid Cover (%)	Forb Cover (%)	Lichen Cover (%)	Bryophyte Cover (%)	Horsetail Cover (%)
SWT-31	8/23/89	0	0	2	50	75	5	+	30	0
SWT-32	8/13/89	0	0	60	20	50	+	3	50	0
SWT-33	8/8/89	0	40	20	90	20	20	0	20	0
SWT-34	8/8/89	0	0	35	30	40	5	+	40	0
SWT-35	8/13/89	0	0	5	0	2	0	1	30	0
SWT-36	8/22/89	0	40	50	70	+	+	+	70	0
SWT-37	8/8/89	0	0	0	0	35	+	0	15	0
SWT-38	8/8/89	0	0	25	2	40	+	+	80	0
SWT-39	8/8/89	0	0	40	5	35	+	+	70	0
SWT-40	8/9/89	0	0	25	8	10	10	30	20	15
SWT-41	8/9/89	0	0	25	7	30	2	2	60	20
SWT-42	8/8/89	0	0	30	15	20	1	+	70	0
SWT-43	8/9/89	0	0	30	5	20	1	5	60	20
SWT-44	8/9/89	0	0	50	8	10	5	50	40	10
SWT-45	8/8/89	0	0	35	5	20	5	1	80	30
SWT-46	8/9/89	0	0	40	3	1	10	40	25	0
SWT-47	8/10/89	0	0	60	2	+	1	20	+	0
SWT-48	8/9/89	0	10	10	50	60	20	+	30	0
SWT-49	8/10/89	0	0	70	10	1	1	60	40	0
SWT-50	8/10/89	0	0	60	5	+	15	+	70	0
SWT-51	8/10/89	0	0	70	3	1	5	+	80	+
SWT-52	8/10/89	0	0	50?	5	20	5	+	80	20
SWT-53	8/10/89	0	0	40	35	35	1	2	65	0
SWT-54	8/10/89	0	0	30	15	5	+	1	50	0
SWT-55	8/11/89	0	0	+	5	35	1	0	15	0
SWT-56	8/11/89	0	0	25	5	25	+	30	40	0
SWT-57	8/11/89	0	0	+	0	25	+	0	10	0
SWT-58	8/11/89	0	0	15	5	40	+	+	40	0
SWT-59	8/11/89	0	80	20	100	2	2	1	5	0
SWT-60	8/11/89	0	0	50	2	5	10	20	1	0
SWT-61	8/14/89	0	80	20	100	+	+	30	80	0
SWT-62	8/14/89	0	0	60	10	30	10	0	50	0

Table 4. Environmental data for permanent plots, biotic data

Plot No.	Date Sampled	Tall shrub Cover (%)	Low shrub Cover (%)	Dwarf shrub Cover (%)	Shrub height (cm)	Graminoid Cover (%)	Forb Cover (%)	Lichen Cover (%)	Bryophyte Cover (%)	Horsetail Cover (%)
SWT-63	8/14/89	0	0	80	5	+	+	40	1	0
SWT-64	8/21/89	0	0	12	0	1	0	50	30	0
SWT-65	8/12/89	0	0	50	5	5	+	50	15	0
SWT-66	8/12/89	0	70	25	50	+	+	15	50	0
SWT-67	8/14/89	0	85	5	150	5	5	+	15	0
SWT-68	8/12/89	0	80	30	200	10	5	0	20	0
SWT-69	8/12/89	0	0	60	5	+	r	50	+	0
SWT-70	8/12/89	0	75	30	30	+	+	25	40	0
SWT-71	8/12/89	0	0	80	5	5	0	30	5	0
SWT-72	8/2/89	0	0	+	0	60	1	0	80	0
SWT-73		0	0	70	20	50	+	+	70	0
SWT-74	8/22/89	0	0	10	0	3	0	20	60	0
SWT-75	8/21/89	0	80	50	60	+	+	+	90	0
SWT-76	8/24/89	0	0	10	2	40	15	+	20	0
SWT-77	8/5/89	0	7	35	35	40	1	+	70	0
SWT-78	8/22/89	0	70	35	80	25	+	0	70	0
SWT-79	8/22/89	0	60	40	45	+	+	0	100	0
SWT-80	8/13/89	0	0	20	2	+	+	10	50	0
SWT-81	8/23/89	0	5	50	30	30	+	1	85	0

Table 4. Environmental data for permanent plots, biotic data

Plot No.	Disturbance	(Scalar):							
	Human	Fox	Bear	Caribou	Squirrel	Lemmg/vole	Moose	Bird	Insect
SWT-1	0	0	0	0	0	1	0	0	0
SWT-2	0	0	0	0	0	1	1	0	0
SWT-3	0	0	0	1	0	0	0	0	0
SWT-4	0	0	0	0	0	0	0	0	0
SWT-5	0	0	0	1	0	0	0	0	0
SWT-6	0	0	0	1	0	0	0	0	0
SWT-7	0	0	0	1	0	0	0	1	0
SWT-8	0	0	0	1	0	0	0	0	0
SWT-9	0	0	0	1	2.5	0	0	0	0
SWT-10	0	0	0	1	0	0	0	0	0
SWT-11	0	0	0	0	0	0	0	0	0
SWT-12	0	0	0	0	0	0	0	0	0
SWT-13	0	0	0	0	0	0	0	0	0
SWT-14	0	0	0	1	0	0	0	0	0
SWT-15	0	0	0	0	0	0	0	0	0
SWT-16	3.8	0	0	0	0	0	0	0	0
SWT-17	0	0	0	0	5	0	0	0	0
SWT-18	0	0	0	1	0	0	0	0	0
SWT-19	0	0	0	1	3	0	0	0	0
SWT-20	0	0	0	1	2	0	0	0	0
SWT-21	0	0	0	1	0	0	0	0	0
SWT-22	0	0	0	1	0	0	0	0	0
SWT-23	0	0	0	1	0	0	0	0	0
SWT-24	0	0	0	1	0	0	0	0	0
SWT-25	0	0	0	1	0	0	0	0	0
SWT-26	0	0	0	1	0	0	0	0	0
SWT-27	0	0	0	0	0	0	0	0	0
SWT-28	0	0	0	2	0	0	0	0	0
SWT-29	0	0	0	1	0	0	0	0	0
SWT-30	0	0	0	0	0	0	0	0	0
SWT-31	0	0	0	0	4	0	0	0	0
SWT-32	0	0	0	1	0	3	0	1	0

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Plot No.	Disturbance	(Scalar):							
	Human	Fox	Bear	Caribou	Squirrel	Lemmg/vole	Moose	Bird	Insect
SWT-65	0	0	0	1	0	0	0	1	0
SWT-66	0	0	0	1	0	0	0	0	0
SWT-67	0	0	0	0	3	1	0	0	0
SWT-68	0	0	0	1	0	1	0	0	0
SWT-69	0	0	0	1	0	0	0	0	0
SWT-70	0	0	0	1	0	0	0	0	0
SWT-71	0	0	0	1	0	0	0	1	0
SWT-72	0	0	0	1	0	0	0	0	0
SWT-73	0	0	0	0	0	0	0	0	0
SWT-74	0	0	0	0	0	0	0	0	0
SWT-75	0	0	0	0	0	0	0	0	0
SWT-76	0	0	0	1	5	0	0	2	0
SWT-77	0	0	0	1	0	0	0	0	0
SWT-78	0	0	0	0	0	0	0	0	0
SWT-79	0	0	0	1	0	0	0	0	0
SWT-80	0	0	0	0	0	0	0	0	0
SWT-81	0	0	0	1	0	1	0	1	0