

Chapter 4

NEL02 (Sasquatch Lake)

Pollen Counts

Depth TOP	Depth BOT	Depth TOP	Depth BOT	Age TOP	AGE BOTTC	Pinus undif	Tsuga hete	Tsuga mert
0	0.25	0	0.25	-59	-58.9535	227	157	0
0	1	28.5	29.5	-43.4883	-42.1894	294	118	0
10	10.5	38.5	39	-26.6689	-25.5825	295	71	0
20	20.5	48.5	49	0.338494	2.00377	362	87	0
60	60.5	88.5	89	263.174	268.4778	280	99	0
100	100.5	128.5	129	879.2863	889.208	299	72	0
110	110.5	138.5	139	1086.023	1096.794	244	101	0
120	120.5	148.5	149	1308.441	1319.924	293	75	0
135	135.5	163.5	164	1665.422	1677.713	222	93	0
145	145.5	173.5	174	1914.946	1927.603	240	56	0
175	175.5	203.5	204	2693.231	2706.408	169	158	0
185	185.5	213.5	214	2957.06	2970.254	205	87	0
195	195.5	223.5	224	3220.481	3233.614	219	103	0
205	205.5	233.5	234	3481.928	3494.92	252	45	0
225	225.5	253.5	254	3992.636	4005.114	204	98	0
235	235.5	263.5	264	4238.766	4250.869	202	103	0
246	246.5	274.5	275	4499.935	4511.536	236	40	0
255	255.5	283.5	284	4704.751	4715.87	246	6	0
270	270.5	298.5	299	5025.193	5035.395	265	0	0
300	300.5	328.5	329	5585.29	5593.77	258	0	0
310	310.5	338.5	339	5749.882	5757.84	251	0	0
326	326.5	354.5	355	5992.297	5999.477	302	0	0
350	350.5	378.5	379	6311.858	6317.997	229	0	0
365	365.5	393.5	394	6487.577	6493.144	245	0	0
380	380.5	408.5	409	6646.978	6652.031	227	0	0
415	415.5	443.5	444	6965.508	6969.596	263	0	0
450	450.5	478.5	479	7227.678	7231.126	275	0	0
475	475.5	503.5	504	7393.032	7396.221	276	0	0
500	500.5	528.5	529	7549.519	7552.615	258	0	0

Picea	Abies	Pseudotsuga	Cupressaceae	Acer	Alnus	Betula	Corylus	Quercus
54	0	20	25	0	23	6	0	0
41	0	14	11	0	46	14	0	0
82	3	13	7	0	32	10	0	0
28	4	15	8	0	34	5	0	0
61	3	10	5	0	43	0	0	0
48	3	24	9	0	35	6	0	0
60	9	6	7	0	77	9	0	0
47	6	11	11	0	34	7	0	0
71	8	4	8	0	84	8	0	0
83	3	10	15	0	86	3	0	0
88	0	5	33	0	41	4	0	0
110	0	17	25	0	50	15	0	0
83	8	5	25	0	79	0	0	0
84	6	25	22	0	70	14	0	0
103	7	11	5	0	70	3	0	0
91	4	3	3	0	77	9	1	0
68	5	8	12	0	70	2	0	0
112	10	8	16	0	80	12	0	0
68	7	26	4	0	102	3	0	0
85	1	12	9	0	120	9	0	0
102	12	4	7	0	113	0	0	0
74	14	21	4	0	74	10	0	0
77	5	21	7	0	144	5	0	0
70	4	26	12	0	66	18	0	0
63	2	25	12	0	115	40	0	0
47	6	30	0	1	120	30	0	0
46	7	30	0	0	85	32	0	0
30	16	73	4	1	75	13	0	0
40	18	48	13	0	90	22	0	0

Salix	Populus	Fraxinus	Aquilegia	Sambucus	Cornaceae	Ericaceae	Arceuthobi	Elaeagnace
0	3	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0
11	6	0	0	0	0	0	0	0
2	2	0	0	0	0	1	0	0
0	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	7	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	6	0	0	0	0	1	0	0
0	4	0	0	0	0	0	0	0
0	15	0	0	0	1	0	0	0
8	6	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
10	3	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
17	3	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0
4	9	0	0	0	0	0	0	0
7	4	0	0	0	0	0	0	0
2	4	0	0	0	0	0	0	0
14	4	0	0	0	0	0	0	0
25	6	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0
4	2	0	0	0	0	0	0	0
21	6	0	0	0	0	0	0	0
31	20	0	0	0	0	0	0	0

Pedicularis	Rhamnaceae	Rosaceae	Rubus	Iridaceae	Poaceae	Equisetum	Cyperaceae	Asteraceae
0	0	0	0	0	0	5	0	0
0	0	0	0	0	0	6	0	0
0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	3	0	0
0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	4	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3
0	0	0	0	0	0	0	0	3
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0
0	0	0	0	0	0	3	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	6	0	0
0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	5	0	0
0	1	0	0	0	0	0	0	2

Iva spp.	Agoseris sp	Ambrosia	Artemisia	Caryophyll	Chenopodi	Cruciferae	Myriophyll	Apiaceae
0	0	0	0	0	0	0	0	0
0	0	0	9	0	0	0	0	0
0	0	0	3	3	1	0	0	0
0	0	0	8	0	0	0	0	0
0	0	0	8	0	1	0	0	0
0	0	0	6	0	0	0	0	0
0	0	0	16	0	0	0	0	0
0	0	0	9	0	2	0	0	0
0	0	0	7	0	0	0	0	0
0	0	0	13	0	1	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	4	0	4	0	0	0
0	0	0	3	2	0	0	0	0
0	0	0	7	2	4	0	0	0
0	0	0	5	0	0	0	0	0
0	0	0	12	0	4	0	0	0
0	0	0	10	0	5	0	0	0
0	0	0	16	0	1	0	0	0
0	0	0	6	0	0	0	0	0
0	0	0	6	1	1	0	0	0
0	0	0	12	0	0	0	0	0
0	0	0	16	0	0	0	0	0
0	0	0	14	0	0	0	0	0
0	0	0	25	5	0	0	0	0
0	0	0	29	1	0	0	0	0
0	0	0	28	0	1	0	0	0
0	0	0	48	2	0	0	0	0

[illegible]

Thalictrum	Saxifragace	Umbelliferae	Valerianaceae	Lycopodiaceae	Bryophyta	Monolete	Athyriaceae	Pteridaceae
0	0	0	0	6	0	0	0	0
0	0	0	0	6	0	0	0	0
0	0	0	0	6	0	0	0	0
0	0	0	0	0	0	0	2	0
0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	2	1	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0
0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	12	3
0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	10	0	0	0	0
0	0	0	1	6	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0
0	0	2	0	11	0	0	0	0

Ophiogloss	Dennstaed	Dryopterid	Cystopteris	Nuphar	Potamogeton	Triglochin	Lemna	Sagittaria
0	0	6	0	0	0	0	0	0
0	0	24	0	2	0	0	0	0
0	0	6	0	0	0	0	0	0
2	0	29	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0
0	0	16	0	2	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	8	0	0	0	0	0	0
0	0	2	0	0	0	0	0	0
0	0	15	0	0	0	0	0	0
0	0	15	1	0	0	0	0	0
0	0	3	0	0	0	0	0	0
0	0	30	0	0	0	0	0	0
0	0	5	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0
1	0	22	0	0	0	0	0	0
0	6	12	0	0	0	2	0	0
1	0	18	0	0	0	0	0	0
0	3	12	0	0	0	0	0	0
0	0	8	0	0	0	0	0	0
0	0	6	0	0	0	1	0	0
0	1	10	0	0	0	4	0	0
0	0	28	0	1	0	0	0	0
2	0	25	0	0	0	0	0	0
1	0	14	0	0	0	3	0	0
1	0	13	0	0	0	4	0	0
2	6	2	4	0	0	2	0	1
0	15	9	0	0	0	41	0	0

Carex	Typha	terrestrial	aquatic	pol	Exotic	cour	Number	Ly	Sample size	Exotics con	Indetermin
0	0	532	0	960	2	1	18583	0			
0	0	595	2	285	2	1	18583	0			
0	0	550	0	119	2	1	18583	0			
0	0	592	0	153	2	1	18583	0			
0	0	516	0	107	2	1	18583	0			
0	0	526	2	106	2	1	18583	0			
0	0	536	0	259	2	1	18583	0			
0	0	507	0	202	2	1	18583	0			
0	0	516	0	240	2	1	18583	0			
0	0	524	0	109	2	1	18583	0			
0	0	517	0	120	2	1	18583	0			
0	0	548	0	122	2	1	18583	0			
0	0	540	0	112	2	1	18583	0			
0	0	579	0	171	2	1	18583	0			
0	0	525	0	98	2	1	18583	0			
0	0	529	0	291	2	1	18583	0			
0	0	496	0	108	2	1	18583	0			
0	0	538	2	152	2	1	18583	0			
0	0	537	0	142	2	1	18583	1			
1	0	538	1	122	2	1	18583	1			
0	0	516	0	159	2	1	18583	0			
0	0	525	1	153	2	1	18583	0			
0	0	522	4	124	2	1	18583	0			
0	0	505	1	108	2	1	18583	0			
0	0	568	0	265	2	1	18583	0			
0	0	567	3	128	2	1	18583	0			
0	0	526	4	241	2	1	18583	1			
0	0	567	3	182	2	1	18583	0			
0	0	630	41	320	2	1	18583	0			

Unknown	Unknown S Test	Spores	Pediastrum	Carbon bla	Microcharc	Pinus stom	Picea stom	
0	0	0	29	39	0	106	0	0
0	0	1	62	29	0	160	0	3
1	0	0	20	6	0	152	1	0
1	0	0	39	13	0	206	0	3
0	0	0	9	43	0	106	2	0
0	0	0	0	20	0	100	0	0
0	0	0	31	40	0	222	1	0
0	0	0	23	39	0	135	3	0
0	0	0	13	30	0	127	3	0
0	0	0	43	53	0	551	4	0
0	0	0	11	15	0	140	6	4
1	0	0	42	0	0	73	4	2
0	0	0	12	8	0	33	0	0
0	0	0	36	11	0	456	0	0
0	0	0	3	5	0	35	1	1
0	0	0	30	30	0	305	1	1
1	0	0	47	63	0	456	2	1
0	0	0	46	50	0	158	1	1
0	0	0	44	130	0	431	2	0
0	0	0	21	97	0	224	1	1
0	0	0	9	195	0	104	0	0
1	0	0	13	5	0	180	1	0
0	0	0	29	46	0	187	1	0
0	0	0	32	124	0	134	1	1
0	0	0	17	117	0	144	1	0
0	0	0	55	158	0	149	0	1
0	0	0	34	117	0	182	1	0
2	0	0	6	75	0	144	0	0
1	0	0	77	48	0	145	0	0

Abies stom Tsuga stom Thuja stom Unknown stomata

0	0	0	0
0	0	1	3
0	0	0	0
0	0	0	9
0	0	0	2
0	0	0	4
0	0	0	1
0	0	0	2
0	0	0	1
0	1	0	6
0	0	0	2
0	0	0	2
0	0	0	0
0	0	0	5
0	0	0	2
0	0	0	4
0	0	0	12
0	0	0	0
0	0	0	1
0	0	0	0
0	0	0	0
0	0	0	1
0	0	0	2
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	1
0	0	0	1
0	0	0	0