GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

SERIES	LOWER CRETACEOUS
STAGE	APTIAN / ALBIAN
SUBSTAGE	LOWER ALBIAN / MIDDLE ALBIAN
LITHOLOGIC UNIT	*LANGTON BAY FORMATION* — *GILMORE LAKE MEMBER* / *CROSSLEY LAKES MEMBER*
SECTION	CR 8A-68 / CR 9A-68 / CR 10A-68 / CR 11A-68 / CR 12A-68
GSC LOCALITY NUMBER	C-8435 C-8437 C-8438 C-8440 C-8441 C-8442 C-8443 C-8444 C-8445 C-8446 C-8447 C-8448 C-8449 C-8450 C-8451 C-8452 C-8453 C-8454 C-8456 C-8457 C-8458 C-8459 C-8460 C-8461 C-8462 C-8464 C-8465 C-8466 C-8467 C-8468 C-8469 C-8470 C-8471 C-8472 C-8473 C-8474 C-8475 C-8476 C-8477 C-8478 C-8479 C-8480 C-8481 C-8482 C-8483 C-8484 C-8485 C-8486 C-8487 C-8488 C-8489 C-8490 C-8491 C-8492 C-8493 C-8494 C-8495 C-8496 C-8497 C-8498 C-8499 C-8500 C-8501 C-8502 C-8503 C-8504 C-8505 C-8506 C-8507 C-8508 C-8509 C-8510 C-8511 C-8512 C-8513 C-8514 C-8515 C-8516 C-8517 C-8518 C-8519 C-8520 C-8521 C-8522 C-8523 C-8524 C-8525 C-8526 C-8527
PREPARATION NUMBER	6741 6742 6743 6745 6746 6747 6748 6749 6750 6751 6752 6753 6754 6755 6756 6757 6758 6759 6760 6761 6762 6763 6764 6765 6766 6768 6769 6770 6771 6772 6773 6774 6775 6776 6777 6778 6779 6780 6781 6782 6783 6784 6785 6786 6787 6788 6789 6790 6791 6792 6793 6794 6795 6796 6797 6798 6799 6800 6801 6802 6803 6804 6805 6806 6807 6825 6826 6827 6828 6829 6830 6831 6832 6833 6834 6835 6836 6837 6838 6839 6840 6841 6842 6843 6844 6845 6846 6847 6848 6849
SAMPLE FOOTAGE	0-10 / 15-16 / 16-20 / 30-33 / 33-40 / 40-45 / 45-50 / 50-55 / 55-60 / 60-68 / 70-83 / 83-104 / NS / 149.5-160 / 170-215 / 215-220.5 / 220.5-230 / 5-10 / 10-23.5 / 24-30 / 30-40 / 40-50 / 50-60 / 50-60 / 60-70 / 70-80 / 80-90 / 80-83 / 83-86.5 / 86.5-88 / 88-100 / 100-110 / 110-115 / 115-125 / 125-128 / 128-135 / 138-140 / NS / 20-30 / 30-40 / 40-50 / 50-60 / 60-70 / 70-75 / 75-80 / 80-90 / 90-94 / 95-100 / 100-110 / 110-120 / 120-130 / 130-140 / 140-150 / 150-160 / 160-170 / 170-180 / 180-190 / 190-200 / 200-210 / 210-215 / 215-220 / 220-230 / 230-240 / 240-250 / 250 / 250-260 / 260-270 / 270-280 / 280-290 / 290-300 / 5-10 / 10-20 / 20-30 / 30-40 / 40-50 / 50-60 / 60-70 / NS / 5-10 / 10-20 / 20-30 / 30-40 / 40-50 / 50-60 / 60-70 / 70-80 / 80-90 / 90-100 / 100-110 / 110-120 / 120-130 / 130-140 / 140-150 / 150-160 / 160-170 / 170-180

	TAXON
1	*Biretisporites potoniaei*
2	*Cyathidites minor*
3	*Lycopodiumsporites austroclavatidites*
4	*Gleicheniidites senonicus*
5	*Cerebropollenites mesozoicus*
6	*Alisporites bilateralis*
7	*Alisporites grandis*
8	*Podocarpidites biformis*
9	*Parvisaccites radiatus*
10	*Taxodiaceaepollenites hiatus*
11	*Perinopollenites elatoides*
12	*Stereisporites antiquasporites*
13	*Osmundacidites wellmanii*
14	*Cedripites cretaceus*
15	*Podocarpidites multesimus*
16	*Cycadopites nitidus*
17	*Concavissimisporites variverrucatus*
18	*Baculatisporites comaumensis*
19	*Pilosisporites trichopapillosus*
20	*Cicatricosisporites pseudotripartitus*
21	*Parvisaccites hortonensis* sp. nov.
22	*Lycopodiumsporites marginatus*
23	*Klukisporites areolatus*
24	*Cicatricosisporites annulatus*
25	*Cirratriradites teter*
26	*Coptospora* sp.
27	*Cedripites canadensis*
28	*Podocarpidites canadensis*
29	*Exesipollenites tumulus*
30	*Cyathidites australis*
31	*Deltoidospora juncta*
32	*Tigrisporites scurrandus*
33	*Cicatricosisporites potomacensis*
34	*Cingutriletes clavus*
35	*Callialasporites dampieri*
36	*Araucariacites australis*
37	*Classopollis classoides*
38	*Crybellosporites vectensis*
39	*Todisporites minor*
40	*Sestrosporites pseudoalveolatus*
41	*Concavissimisporites punctatus*
42	*Pilosisporites verus*
43	*Reticulisporites vermiformis*
44	*Cicatricosisporites augustus*
45	*Cicatricosisporites australiensis*
46	*Cicatricosisporites hallei*
47	*Cicatricosisporites hughesii*
48	*Trilobosporites marylandensis*
49	*Foraminisporis wonthaggiensis*
50	*Triporoletes reticulatus*
51	*Vitreisporites pallidus*
52	*Eucommiidites minor*
53	*Equisetosporites multicostatus*
54	*Circulina parva*
55	*Microreticulatisporites uniformis*
56	*Contignisporites cooksoni*
57	*Rogalskaisporites cicatricosus*
58	*Laevigatosporites ovatus*
59	*Aequitriradites spinulosus*
60	*Costatoperforosporites fistulosus*
61	*Trilobosporites trioreticulosus*
62	*Appendicisporites bifurcatus*
63	*Coptospora* sp. cf. *C. williamsii*
64	*Acanthotriletes varispinosus*
65	*Cicatricosisporites venustus*
66	*Densoisporites microrugulatus*
67	*Kuylisporites lunaris*
68	*Coronatispora valdensis*
69	*Inaperturopollenites limbatus*
70	*Trilobosporites purverulentus*
71	*Alisporites minutus*
72	*Cicatricosisporites ludbrooki*
73	*Lycopodiacidites intraverrucatus*
74	*Costatoperforosporites* sp. cf. *Anemia perforata*
75	*Appendicisporites potomacensis*
76	*Foraminisporis asymmetricus*
77	*Krauselisporites hastilobatus*
78	*Leptolepidites verrucatus*
79	*Klukisporites pseudoreticulatus*
80	*Trilobosporites apibaculatus*
81	cf. *Podocarpus tricocca*
82	*Parvisaccites rugulatus*
83	*Costatoperforosporites foveolatus*
84	*Appendicisporites* sp. cf. *Anemia trichacantha*
85	*Cooksonites variabilis*
86	*Reticulatasporites dupliexinous*
87	*Clavatipollenites hughesii*
88	*Contignisporites glebulentus*
89	*Camarozonosporites ambigens*
90	*Triporoletes simplex*
91	*Ornamentifera baculata*
92	*Retitricolpites prosimilis*

SERIES	LOWER CRETACEOUS
STAGE	ALBIAN
SUBSTAGE	MIDDLE ALBIAN
LITHOLOGIC UNIT	*HORTON RIVER FORMATION*
SECTION	12A-68 / CR 14A-68 / CR 15A-68
GSC LOCALITY NUMBER	C-8528-30 C-8531 C-8532 C-8533 C-8534 C-8535 C-8536 C-8537 C-8538 C-8539 C-8540 C-8541 C-8542 C-8543 C-8544 C-8545 C-8546 C-8547 C-8548-9 C-8550 C-8551 C-8552 C-8553 C-8554 C-8555 C-8556
PREPARATION NUMBER	6850 6851 P851-1 P851-2 P851-3 P851-4 P851-5 P851-6 P851-7 P851-8 P851-9 P851-10 P851-11 P851-12 6884 6885 6886 6887 6888 6889 6890 6891 6892 6893 6894 6895
SAMPLE FOOTAGE	180-195 / 195 / NS / 10-20 / 20-30 / 30-37 / 37-45 / 45-50 / 50-60 / 70-80 / 80-90 / 90-100 / 100-110 / 110-120 / 120-125 / NS / 30-37 / 38-50 / 50-60 / 60-70 / 70-80 / 80-90 / 90-100 / 100-110 / 110-120 / 120-130 / 130-140 / 140

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6	*Alisporites bilateralis*
7	*Alisporites grandis*
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9	*Parvisaccites radiatus*
10	*Taxodiaceaepollenites hiatus*
11	*Perinopollenites elatoides*
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13	*Osmundacidites wellmanii*
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15	*Podocarpidites multesimus*
16	*Cycadopites nitidus*
17	*Concavissimisporites variverrucatus*
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36	*Sestrosporites pseudoalveolatus*
37	*Concavissimisporites punctatus*
38	*Reticulisporites vermiformis*
39	*Cicatricosisporites augustus*
40	*Cicatricosisporites australiensis*
41	*Cicatricosisporites hallei*
42	*Cicatricosisporites hughesii*
43	*Trilobosporites marylandensis*
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47	*Eucommiidites minor*
48	*Equisetosporites multicostatus*
49	*Circulina parva*
50	*Microreticulatisporites uniformis*
51	*Contignisporites cooksoni*
52	*Laevigatosporites ovatus*
53	*Aequitriradites spinulosus*
54	*Appendicisporites bifurcatus*
55	*Coptospora* sp. cf. *C. williamsii*
56	*Cicatricosisporites venustus*
57	*Densoisporites microrugulatus*
58	*Kuylisporites lunaris*
59	*Coronatispora valdensis*
60	*Inaperturopollenites limbatus*
61	*Trilobosporites purverulentus*
62	*Alisporites minutus*
63	*Cicatricosisporites ludbrooki*
64	*Appendicisporites potomacensis*
65	*Foraminisporis asymmetricus*
66	*Leptolepidites verrucatus*
67	*Klukisporites pseudoreticulatus*
68	*Contignisporites glebulentus*
69	*Camarozonosporites ambigens*
70	*Triporoletes simplex*
71	*Triporoletes radiatus*
72	*Distaltriangulisporites perplexus*
73	*Polycingulatisporites reduncus*
74	*Cicatricosisporites* sp. cf. *C. subrotundus*
75	*Cicatricosisporites* sp. cf. *Anemia exiliioides*
76	*Triporoletes singularis*
77	*Januasporites spiniferus*
78	*Appendicisporites erdtmanii*
79	*Fraxinoipollenites venustus*
80	*Dictyotriletes granulatus*
81	*Appendicisporites cristatus*
82	*Retitricolpites georgensis*
83	*Foveotriletes subtriangularis*
84	*Appendicisporites bilateralis*
85	*Laricoidites magnus*
86	*Verrucatosporites chaloneri*

Compiled by D.J. McIntyre, 1974

To accompany GSC Bulletin 252, by W.W. Brideaux and D.J. McIntyre

Figure 4a. Occurrence of spore and pollen taxa in Aptian-Middle Albian sections along Horton River: Langton Bay Formation

Cartography by the Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

Printed by the Surveys and Mapping Branch, 1975

Figure 4b. Occurrence of spore and pollen taxa in Middle Albian sections along Horton River: Horton River Formation

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Figures 4a and 4b