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Pollen frequencies

The table provides percentage frequencies for all pollen taxa recorded in the analysis but not included in Figure 3 of the published article. Depth of the samples in the sediment is shown across the top of the table.

Supplement to

"Late-quaternary climatic and vegetational change in the lower Mackenzie Basin, Northwest Canada"

by

J. C. Ritchie

ECOLOGY 66 (1985)

| | Depth in sediment (cm): | | | | | | | | | | | | | |
|--------------------------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 115 | 120 |
| | Percentage frequency of pollen | | | | | | | | | | | | | |
| Caryophyllaceae | | | | | | | | | | | | | | |
| Cruciferae | | | | | | | | | | | | | | |
| Epilobium | | | | | | | | | .15 | .2 | | | | |
| Leguminosae | .1 | .2 | | | | | | | | | | | | |
| Hedysarum | | | | | | | | | | | | | | |
| Oxytropis | | | | | | | | | | | | | | |
| Astragalus | | | | | | | | | | | | | | |
| Ambrosia | | | | | | | | | | | | | | |
| Liliaceae | .1 | | | | | | | | | | | | | |
| Tofieldia | | | | | | | .15 | | | | | | | |
| Plantago undiff. | | | | | | | | | | | | | | |
| P. canescens | | | | | | | | | | | | | | |
| P. major | | | | | | | | | | | | | | |
| Polygonum viviparum | | | | | | | | | | | | | | |
| P. alaskanum | | | | | | | | | | | | | | .1 |
| Ranunculaceae | | .2 | | | | | .15 | | | | | | | |
| Galium | | | | | | | | | | | .15 | | | |
| Cheno/Amaranthaceae | | | .2 | | | | | | | | | | | |
| Polemonium | | | | | | | | | | | | | | |
| Lathyrus | | | | | | | | | | | | | | |
| Rosaceae | .4 | .2 | .2 | .6 | | | | .2 | | | .3 | .14 | .4 | .1 |
| Potentilla | .25 | | | .2 | .2 | .2 | .3 | .2 | .15 | .4 | | .14 | | |
| Dryas | | | | .2 | | | | | | | | | | |
| Rubus chamaemorus | | | | | | | | | | | | | | |
| Rumex | | | .2 | | | | | .2 | | | | .14 | | |
| Saxifragaceae | .1 | | | .2 | .2 | | | | | | | | | |
| S. reflexa | | | | | | | | | | | | | | |
| S. tricuspidata | .1 | | | | | | | | | | | | | |
| S. hieracifolia | | | | | | | | | | | | | | |
| Thalictrum | | | | | .2 | | | | | | | | | |
| Tubuliflorae | | | | .6 | | | .15 | | | | | .14 | | |
| Umbelliferae | | | | | | | | | | | | | .15 | |
| Bupleurum | | .3 | | | | | | | | | | | | |
| Pedicularis | | | | | | | | | | | | | | |
| Phlox | | | | | | | | | | | | | | |
| Polypodium | | | | | | | | | | | | | | |
| Lycopodium | .1 | | | | | | | | .15 | | | | | .1 |
| L. annotinum | | | .2 | | | | | | | | | | | |
| L. clavatum | | | | | | | | | | | | | | |
| L. complanatum | | | .2 | | | | | | | | | | | |
| L. selago | .1 | | | | | | | | | | | | | .1 |
| Botrychium | | | | | | | | | | | | | | |
| Equisetum | | | .2 | | | | | .2 | | .15 | .14 | | | .2 |
| Selaginella selaginoides | | | | | | | | | | | | | | |
| Cystopteris | | | | | | | | | | | | | | |
| Filicales | | | | | | | | | | | .15 | | | |
| Sphagnum | 1.3 | 1.7 | .2 | 1.3 | | 1.1 | .15 | .2 | | .4 | | .14 | | |
| Sphagnum | .1 | .3 | .7 | 1.0 | .3 | .5 | .9 | 1.8 | .9 | .8 | .15 | | .9 | .6 |
| Typha latifolia | | | | | | | | | | | | | | |
| Myriophyllum | | | | .2 | .2 | .2 | .6 | .6 | | | | .14 | | .4 |
| Potamogeton | .1 | | | .2 | | | | .2 | | | | | | .1 |
| Nuphar | 3.4 | 3.1 | 3.4 | 2.4 | 1.6 | .8 | .9 | 1.0 | .8 | 1.3 | 1.9 | .14 | | |
| Hippuris | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|----------------|-----|-----|----|-----|-----|-----|----|-----|----|-----|----|-----|-----|----|
| Indeterminate | 1.1 | 6.2 | .9 | 4.2 | 3.9 | 2.7 | .9 | 1.3 | .9 | 4.4 | .6 | 4.3 | 3.3 | .9 |
| Pre-Quaternary | | | | | | | | | | | | | | |

| 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 | 190 | 200 | 205 | 210 | 215 | 220 | 225 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | | | | | | | | | | | | | | | | | | | .2 |
| | | | | | | | .2 | | | | | | .14 | | | | | | |
| | | | | | .14 | | | | .15 | .1 | | | | | | | | | |
| | | | | | | | .2 | | | | | | | | | | | | |
| | | .15 | | .2 | | | | | | | | | | | | | .1 | .2 | |
| | | | | | | | | | .15 | | | | | .3 | | | | | |
| .4 | | .15 | | | | | | | | | .2 | .2 | | | | | .1 | | .2 |
| | | | | | | | | | | | | | | | | | | | |
| .4 | | .15 | .4 | .4 | .3 | .16 | .2 | .2 | .3 | | .2 | | .14 | .1 | | | .1 | .2 | |
| .4 | | .15 | | | .14 | .16 | | | .15 | .1 | | | | | | | .3 | | |
| .2 | | .15 | | | | | | | | | | | | | | | | | |
| | | .15 | | | | | | | | | | | | | | | .1 | | |
| | | | | | | | .2 | .4 | | | | | | .1 | | | | | |
| | | | | | | | | | .15 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | .1 | |
| | | | | | | | | | | | | | .3 | | | | .1 | .1 | .1 |
| | | | | | | | | | | | | | .14 | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | .15 | .15 | .2 | .2 | | .2 | | | | .2 | | | | | | .1 | .1 | |
| | | | | | | | | .2 | | | | | | | | | .1 | .1 | |
| | | | | | | | | | | | | | | | .2 | | | | |
| .2 | .15 | .15 | | | .2 | .6 | .16 | .6 | .5 | .3 | .1 | .5 | | .4 | | | | | .2 .7 |
| | .2 | | | | | | | | | | | | | | | | | | |
| 1.1 | 1.4 | | .4 | 1.8 | 1.2 | .3 | | .2 | .5 | 1.0 | | .5 | | | | .3 | .3 | .3 | .3 |
| .6 | | | .4 | | .14 | | | | .2 | .15 | .1 | .4 | .6 | | .3 | 1.0 | .3 | .3 | .2 |
| | | | | | | | | | .2 | | .1 | | | .3 | | | | .1 | .1 |
| | .15 | | | | .14 | .3 | | | | | | .1 | | | | | | .2 | 1.0 |
| | | | | | .14 | | | | .2 | .15 | | | | .14 | | | | | |
| | | | | | .4 | | | | | | | | | | | | | | |
| 2.4 | 2.2 | .9 | 1.5 | 1.7 | 3.8 | 1.3 | .6 | 1.4 | 3.2 | .8 | .9 | .5 | 4.6 | .6 | 1.2 | .4 | .4 | .3 | .3 |

| 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| .2 | | .2 | | | .3 | .1 | | .14 | .5 | .3 | .7 | .8 | .4 | .2 | .8 | .4 | .8 | .2 |
| | | | .15 | | .1 | | .3 | .14 | | | .2 | .4 | | | | .2 | .6 | .4 |
| | | | .15 | | | .1 | | | | | | | | | | | | |
| | .15 | | | | .1 | | .2 | .3 | | .15 | | .2 | .2 | | | .2 | .4 | .2 |
| | | | | .1 | | | .2 | | | | | | | | | | | |
| | | | | | | | | | | .15 | | | | | .16 | | | .4 |
| | | | | | | | | | | | | | | | | | | .2 |
| | | | | .1 | | .1 | | | | | | | | | .16 | | | .2 |
| | .15 | | | .1 | .2 | .1 | .3 | 1.0 | 1.0 | .7 | .4 | .6 | .2 | .9 | .5 | .9 | 1.4 | 1.6 |
| | | | | .1 | | .4 | .8 | 2.2 | 1.5 | 2.0 | 1.3 | 1.0 | .4 | 3.0 | 1.9 | 2.5 | 2.2 | 3.2 |
| | | | | | | | | .14 | | | | | | | .2 | | .6 | .2 |
| | | | | | | | .2 | | | | | | | | | | | .2 |
| | | | | .1 | | | | | | | .2 | .2 | .1 | .2 | | | | 1.4 |
| | | | | | | | | | | | | | | .2 | | | | |
| | | .15 | | | | .1 | .2 | .14 | | .15 | .7 | .6 | | | .3 | .2 | .6 | .2 |
| | | | | | | | .2 | | | | | | | | | | | |
| | | | | | | | | .14 | | | | .2 | | | | | | .2 |
| .3 | | | | | | | | | .2 | .3 | | | | .5 | .4 | .2 | | |
| | .4 | .15 | | | | | .2 | .14 | | | | | | | .7 | .2 | .4 | |
| | | | | | | | | | | | .2 | | | | .16 | .2 | .2 | |
| | | | | | | | | | | | | | | | | | | |
| | | .2 | .5 | .1 | | .1 | | | | .15 | | | .1 | | | | .2 | .2 |
| | | | | .2 | | | | | | | | | | | | | | .2 |
| | | | | | | .1 | | | | | | .2 | | .2 | | | | |
| | | .4 | .15 | .4 | .2 | 1.1 | .8 | .6 | | .6 | .4 | 1.0 | .2 | .9 | .6 | 1.8 | 3.0 | 1.6 |
| | .2 | | | .1 | | .1 | .2 | | | | | | | .2 | | | | |
| | | | | | | | | | | | | | | | | | | |
| .2 | .15 | | | | | | | | | | | | | | | .2 | | |
| .3 | | | | | | | | | | | | | | | | | | |
| | | | | .5 | .1 | .2 | .9 | | | .15 | .2 | | | | | | .4 | .2 |
| | | | | | | | | | | | | | | | | | | .2 |
| .3 | | .15 | | .1 | | .7 | .2 | .3 | .3 | .3 | .6 | .4 | .1 | .2 | .10 | .4 | .2 | |
| | | | | | | | | | | | | | | | | .2 | | |
| .2 | .6 | .15 | .3 | | | | | | | | | | | | | | | |
| .5 | .4 | .9 | .1 | | | | | | | | | | | | | | | |
| | .15 | .1 | .9 | 1.3 | | .6 | .7 | .7 | .6 | 1.0 | | .9 | | | .4 | .2 | 2.6 | |
| | .2 | | | | | | | | | | | | | | .2 | .2 | | |
| .15 | | | | | | | | | | | | | | | | | | |
| | | | | | .1 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| .8 | 1.6 | 1.7 | .7 | 2.0 | 1.4 | 2.0 | .9 | 1.0 | 2.3 | 1.0 | .6 | 2.5 | 1.6 | 1.7 | .6 | .7 | 1.9 | 1.6 |
| | | | | | | .3 | | .3 | .3 | | 1.3 | .4 | .9 | .9 | .9 | 1.2 | 4.2 | 2.4 |

| 325 | 330 | 335 | 340 | 342.5 | 345 | 347.5 | 350 | 355 |
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| .2 | .4 | | | | | .4 | .2 | |
| .2 | .4 | .4 | .6 | .2 | | 1.1 | | |
| .2 | | .4 | .2 | .2 | | .2 | .2 | |
| | .4 | | | | | .2 | .4 | |
| .2 | .2 | | | .4 | | | | |
| | | | .4 | | .2 | .2 | .4 | .2 |
| .4 | | | | | | | | |
| .2 | | | | | | | | |
| 1.1 | 1.7 | 2.6 | .9 | 2.3 | 2.0 | 1.6 | 2.3 | 2.3 |
| 3.3 | 3.0 | 2.2 | 1.5 | 1.6 | 1.2 | 2.6 | 2.3 | 2.5 |
| .4 | .4 | .4 | | | | | | |
| .2 | | | .2 | | | | | .7 |
| | .2 | .2 | | | .2 | .4 | | |
| .4 | .2 | | .6 | 1.4 | .2 | .2 | | .7 |
| .4 | .2 | | .6 | | .4 | .2 | .2 | .4 |
| | | .2 | | .2 | .4 | .7 | .2 | .7 |
| | | | | | | | | |
| | | .2 | .2 | | | | .2 | .2 |
| | | | | | | .2 | .2 | |
| .4 | | | | .2 | | .4 | | |
| 2.2 | 2.2 | 2.4 | 1.1 | 1.6 | 1.8 | 1.8 | 1.1 | 1.8 |
| | | | | | | | | .2 |
| | | | | | | | .2 | |
| | | | | | | | | .2 |
| .2 | | | | .2 | | .2 | .2 | .2 |
| | | | | | | | | |
| .2 | | | | | | .2 | .6 | |
| | .2 | | .8 | 1.6 | .5 | .9 | | .2 |
| | | | .6 | | | | | |
| .2 | | | | .2 | | .2 | | |
| | | | .2 | | .2 | .2 | | |
| .4 | .4 | | | .2 | .4 | | .2 | |
| | .2 | | | | .2 | | | .2 |
| | | | .2 | | | | | |

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|-----|-----|-----|------|------|------|------|------|------|
| 3.4 | 2.2 | 1.4 | 2.2 | 2.5 | 1.9 | 1.4 | 1.5 | 1.7 |
| 6.1 | 3.1 | 3.8 | 42.3 | 49.0 | 22.4 | 16.1 | 10.6 | 24.3 |