PLATE 1

Arctic Paleoclimate Report - Named Locations

U.S. Climate Change Program Synthesis and Assessment Product 1.2

Approximate extent of Nordic Seas appellation

Approximate limits of land ice at Last Glacial Maximum (21 ka)

International borders

Area of study

HOTRAX core sites

City

Active volcanic centers

Borehole

Ice core

Approximate area of Alaskan Arctic Coastal Plain

Approximate extent of named circumpolar geographic regions

Approximate area of Mackenzie Delta

Bathymetric and topographic tints

–5,000 –4,000 –3,000 –2,500 –2,000 –1,500 –1,000 –500 –400 –300 –200 –100 –50 –25 –10 0 100 200 300 400 500 600 700 800 1,000 (Meters)

North American land ice compilation: **Dyke**, A.S., 2004: An outline of North American deglaciation with emphasis on central and northern Canada. In: *Quaternary Glaciations—Extent and Chronology* [Ehlers, J. and P.L. Gibbard, (eds.)]. Part II, Vol. 2b, Elsevier, Amsterdam , pp. 373-424.

Fennoscandian land ice compilation: **Svendsen**, J.I., H. Alexanderson, V.I. Astakhov, I. Demidov, J.A. Dowdeswell, S. Funder, V. Gataullin, M. Henriksen, C. Hjort, M. Houmark-Nielsen, H.W. Hubberten, O. Ingolfsson, M. Jakobsson, K.H. Kjaer, E. Larsen, H. Lokrantz, J. Pekka Lunkka, A. Lysa, J. Mangerud, A. Matiouchkov, A. Murray, P. Moller, F. Niessen, O. Nikolskaya, L. Polyak, M. Saarnisto, C. Siegert, M.J. Siegert, R.F. Spielhagen, and R. Stein, 2004: Late Quaternary ice sheet history of northern Eurasia. *Quaternary Science Reviews*, **23 (11-13)**, Quaternary Environments of the Eurasian North (QUEEN), pp. 1229-1271

Eurasian sector land ice compilation: **Elias**, S. and J. Brigham Grette, 2006: Late Pleistocene glacial events in Beringia. In: *Encyclopedia of Quaternary Science* [Elias, S. (ed.)]. Vol. 2, Elsevier, London, pp. 1057-1066.

Base bathymetry: **Jakobsson**, M., R. Macnab, L. Mayer, R. Anderson, M. Edwards, J. Hatzky, H.W. Schenke, and P. Johnson, 2008: An improved bathymetric portrayal of the Arctic Ocean—Implications for ocean modeling and geological, geophysical and oceanographic analyses. *Geophysical Research Letters*, doi:10.1029/2008gl033520.