Data Sources

The data sources used for the steppe bison radiocarbon-dated fossil database are given here.

Froese, D., Stiller, M., Heintzman, P. D., Reyes, A. V., Zazula, G. D., Soares, A. E. R., Meyer, M., Hall, E., Jensen, B. J. L., Arnold, L. J., MacPhee, R. D. E., & Shapiro, B. (2017). Fossil and genomic evidence constrains the timing of bison arrival in North America. *Proceedings of the National Academy of Sciences*, *114*(13), 3457–3462. <https://doi.org/10.1073/pnas.1620754114>

Lorenzen, E. D., Nogués-Bravo, D., Orlando, L., Weinstock, J., Binladen, J., Marske, K. A., Ugan, A., Borregaard, M. K., Gilbert, M. T. P., Nielsen, R., Ho, S. Y. W., Goebel, T., Graf, K. E., Byers, D., Stenderup, J. T., Rasmussen, M., Campos, P. F., Leonard, J. A., Koepfli, K.-P., … Willerslev, E. (2011). Species-specific responses of Late Quaternary megafauna to climate and humans. *Nature*, *479*(7373), 359–364. <https://doi.org/10.1038/nature10574>

Markova, A. K., Puzachenko, A. Yu., van Kolfschoten, T., Kosintsev, P. A., Kuznetsova, T. V., Tikhonov, A. N., Bachura, O. P., Ponomarev, D. V., van der Plicht, J., & Kuitems, M. (2015). Changes in the Eurasian distribution of the musk ox (Ovibos moschatus) and the extinct bison (Bison priscus) during the last 50 ka BP. *Quaternary International*, *378*, 99–110. <https://doi.org/10.1016/j.quaint.2015.01.020>

Orlova, L. A., Kuzmin, Y. V., & Dementiev, V. N. (2004). A Review of the Evidence for Extinction Chronologies for Five Species of Upper Pleistocene Megafauna in Siberia. *Radiocarbon*, *46*(1), 301–314. <https://doi.org/10.1017/S0033822200039618>

Reuther, J. D., Rogers, J. S., Rousseau, J., & Druckenmiller, P. S. (2015). AMS Dating of the Late Pleistocene Mammals at the Colorado Creek Site, Interior Western Alaska. *Radiocarbon*, *57*(5), 943–954. <https://doi.org/10.2458/azu_rc.57.18436>

Rudaya, N. A. (2013). Environmental Conditions During the Early Human Settlement of Chagyrskaya Cave (Altai). *Archaeology, Ethnology and Anthropology of Eurasia*, *41*(1), 45–54. <https://doi.org/10.1016/j.aeae.2013.07.004>

Shapiro, B., Drummond, A. J., Rambaut, A., Wilson, M. C., Matheus, P. E., Sher, A. V., Pybus, O. G., Gilbert, M. T. P., Barnes, I., Binladen, J., Willerslev, E., Hansen, A. J., Baryshnikov, G. F., Burns, J. A., Davydov, S., Driver, J. C., Froese, D. G., Harington, C. R., Keddie, G., … Cooper, A. (2004). Rise and Fall of the Beringian Steppe Bison. *Science*, *306*(5701), 1561–1565. <https://doi.org/10.1126/science.1101074>

Sher, A. V., Kuzmina, S. A., Kuznetsova, T. V., & Sulerzhitsky, L. D. (2005). New insights into the Weichselian environment and climate of the East Siberian Arctic, derived from fossil insects, plants, and mammals. *Quaternary Science Reviews*, *24*(5), 533–569. <https://doi.org/10.1016/j.quascirev.2004.09.007>

Vartanyan, S. L., Arslanov, K. A., Karhu, J. A., Possnert, G., & Sulerzhitsky, L. D. (2008). Collection of radiocarbon dates on the mammoths (Mammuthus primigenius) and other genera of Wrangel Island, northeast Siberia, Russia. *Quaternary Research*, *70*(1), 51–59. <https://doi.org/10.1016/j.yqres.2008.03.005>

Velivetskaya, T. A., Smirnov, N. G., Kiyashko, S. I., Ignatiev, A. V., & Ulitko, A. I. (2016). Resolution-enhanced stable isotope profiles within the complete tooth rows of Late Pleistocene bisons (Middle Urals, Russia) as a record of their individual development and environmental changes. *Quaternary International*, *400*, 212–226. <https://doi.org/10.1016/j.quaint.2014.12.011>