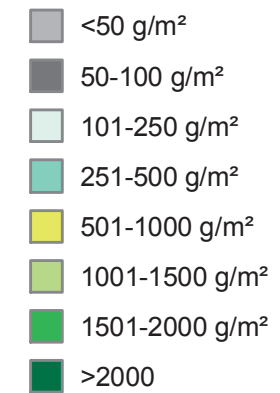


Circumpolar Arctic Vegetation Map

Aboveground Plant Biomass



Phytomass Density

Phytomass density (g/m^2) of the Arctic region, north of treeline was estimated from maximum NDVI (see map above) by the equation:

$$D = 24.907e^{7.1665N}$$

where:

D = Phytomass density
N = Maximum NDVI value

Walker, D.A., H.E. Epstein, J.G. Jia, A. Balsler, C. Copass, E.J. Edwards, W.A. Gould, J. Hollingsworth, J. Knudson, H.A. Maier, A. Moody and M.K. Raynolds. 2003. Phytomass, LAI, and NDVI in northern Alaska: relationships to summer warmth, soil pH, plant functional types and extrapolation to the circumpolar Arctic. *J. Geophys. Res.* 108(D2), 8169. doi:10.1029/2001JD00096

0 250 500 750 1000



Kilometers

Scale 1:25,000,000

Lambert Azimuthal Equal Area Projection
Longitude of origin: -180° , Latitude of origin: 90°

<http://www.geobotany/uaf.edu/cavm/>

Map is designed to print at full scale on both B (11x17") and A3 (297x420 mm) sized paper. The outer most neat line measures 249 x 390 mm when the map is plotted at full size.