

Zofin natural forest – soil map

Zofin natural forest core area (74 ha) was covered with regular network (size of 44.25m) in 2008 to develop stem position map. Each network point (353) and 4 other points (at undisturbed sites 7-8cm by the center) inside circle (diameter of 23m) became a soil pit (total 1765), where soil properties were evaluated. Additionally, water affected areas were mapped (using stem position map) and inserted into square segments of network to distinguish terrestrial and (semi-)hydromorphic soil classes. For evaluation of deeper soil horizons and properties as well as shallow soil profiles, soil rod (width of 3cm) and methodology of soil diagnostics were used. Němeček et al. (2011) and Michéli et al. (2007) systems were applied to classify. Map of prevailing soil types (pits represent the square) was generated as a result.

Key words:

Zofin natural forest, regular grid, soil pit, soil horizon