

Tier classification used in the publication:

TIER I		TIER II	
1	Forest	1.1	Deciduous broadleaf forest
		1.2	Evergreen needleleaf forest
		1.3	Deciduous needleleaf forest
2	Tundra	2.1	Shrub tundra
		2.2	Graminoid / forb tundra
3	Wetland	3.1	Permafrost wetlands
		3.2	Non-permafrost wetlands
4	Water bodies	4.1	Lakes
		4.2	Streams
5	Barren	5.1	Barren
6	Snow / Ice	6.1	Snow / Ice
7	Yedoma	7.1	Yedoma tundra
		7.2	Yedoma forest

theta\_water\_mean      Water volumetric content

theta\_water\_SD      Water volumetric content, standard deviation

theta\_air\_mean      Air volumetric content

theta\_air\_SD      Air volumetric content, standard deviation

SOC\_storage\_mean      Soil Organic Carbon Storage in kg Carbon/m2

SOC\_storage\_SD      Soil Organic Carbon Storage in kg Carbon/m2, standard deviation

TN\_storage\_mean      Total Nitrogen Storage in kg Nitrogen/m2

TN\_storage\_SD      Total Nitrogen Storage in kg Nitrogen/m2, standard deviation

C_N_ratio_mean	Carbon/Nitrogen ration
C_N_ratio_SD	Carbon/Nitrogen ration, standard deviation
DBD_mean	Dry Bulk Density (g/cm3)
DBD_SD	Dry Bulk Density (g/cm3), standard deviation
delta13C_mean	Isotopic composition of delta13C
delta13C_SD	Isotopic composition of delta13C, standard deviation
sand_frac	Sand fraction
clay_silt_frac	Clay + Silt fraction