(0.9828+if(indicator(name='Black Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50, 0.3413,if(indicator(name='Deciduous AVI unity ac\_new', units='density', nodata\_fill=0)>50,0,if(indicator(name='Agriculture Crops Unityb', units='density', nodata\_fill=0)>50, 0.1715,if(indicator(name='Wetlands Fen', units='density', nodata\_fill=0)>50, 0.7462, if(indicator(name='Grassland Unityb', units='density', nodata\_fill=0)>50, -0.0165,if(indicator(name='Industrial Undifferentiated Unityb', units='density', nodata\_fill=0)>50, -1.027,if(indicator(name='Larch AVI unity ac\_new', units='density', nodata\_fill=0)>50,0.3876,if(indicator(name='Wetlands Marsh', units='density', nodata\_fill=0)>50,-0.1819,if(indicator(name='Mine Pits Unityb', units='density', nodata\_fill=0)>50, 0.2824,if(indicator(name='Mixed AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0.1511,if(indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0.0943,if(indicator(name='Agriculture Pasture Unityb', units='density', nodata\_fill=0)>50,0.049,if(indicator(name='Rural Settlement Unityb', units='density', nodata\_fill=0)>50,-0.1783,if(indicator(name='Shrubland Unityb', units='density', nodata\_fill=0)>50,0.1362,if(indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0.3353,if(indicator(name='Wetlands Swamp', units='density', nodata\_fill=0)>50,0.2957,if(indicator(name='Urban Undifferentiated Unityb', units='density', nodata\_fill=0)>50,-10.3786,0.0262)))))))))))))))))+1.1532\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)-0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)+0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))-0.0705\*(indicator(name='Major Road Unityb', units='density', nodata\_fill=0)+indicator(name='Minor Road Unityb', units='density', nodata\_fill=0))/100+0.5593\*(indicator(name='PetroWell Gas Unityb', units='density', nodata\_fill=0)+indicator(name='PetroWell Oil Unityb', units='density', nodata\_fill=0)+indicator(name='PetroWell Other Unityb', units='density', nodata\_fill=0)+indicator(name='PetroWell Water Unityb', units='density', use\_static=True, static\_time=2010, nodata\_fill=0))/100-0\*indicator(name='Seismic Lines Unityb', units='density', nodata\_fill=0)/100+0.4057\*indicator(name='xLatitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-0.1252\*indicator(name='xLongitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-0.195\*((indicator(name='xLatitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0))\*\*2)-0.0136\*((indicator(name='xLongitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0))\*\*2)+3.241\*indicator(name='Water Lentic 1000m', units='density', nodata\_fill=0)/100-6.386\*((indicator(name='Water Lentic 1000m', units='density', nodata\_fill=0)/100)\*\*2)+0\*indicator(name='Total Agriculture 1000m', units='density', nodata\_fill=0)/100+0\*indicator(name='Seismic Pipeline Cutblock AVI 1000m', units='density', nodata\_fill=0)/100+0.1307\*indicator(name='xLatitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)\*indicator(name='xLongitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)+61.0445\*indicator(name='xPotential Evapotranspiration ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)\*indicator(name='xMean Annual Precipitation ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-1.1486\*indicator(name='xMean Annual Temperature ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)\*indicator(name='xAnnual Heat Moisture Index ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0) -0\*indicator(name='Nonagricultural Footprint Alpac 1000m', units='density', nodata\_fill=0)/100+0\*((indicator(name='Nonagricultural Footprint Alpac 1000m', units='density', nodata\_fill=0)/100)\*\*2)-10.5073\*indicator(name='xPotential Evapotranspiration ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)+0.6267\*indicator(name='xMean Annual Temperature ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)+0.1129\*indicator(name='xAnnual Heat Moisture Index ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0) -0\*indicator(name='xFrost Free Period ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-36.0352\*indicator(name='xMean Annual Precipitation ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0) +0\*indicator(name='xFrost Free Period ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)\*indicator(name='xMean Annual Precipitation ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)+0.0756\*indicator(name='Pipelines Unityb', units='density', nodata\_fill=0)/100+if((if(indicator(name='Mixed Origin AVI', units='density', nodata\_fill=0)==3,indicator(name='Mixed AVI unity ac\_new', units='density', nodata\_fill=0),0)+if(indicator(name='Deciduous Origin AVI', units='density', nodata\_fill=0)==3,indicator(name='Deciduous AVI unity ac\_new', units='density', nodata\_fill=0),0)+if(indicator(name='White Spruce Origin AVI', units='density', nodata\_fill=0)==3,indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0),0)+if(indicator(name='Pine Origin AVI', units='density', nodata\_fill=0)==3,indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0),0))>50,1-(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)\*200/50),0)-0\*indicator(name='Alienating land use 1000m', units='density', nodata\_fill=0)/100-0\*((indicator(name='Alienating land use 1000m', units='density', nodata\_fill=0)/100)\*\*2) -0\*((indicator(name='Seismic Pipeline Cutblock AVI 1000m', units='density', nodata\_fill=0)/100)\*\*2) +if((indicator(name='Black Spruce AVI unity ac\_new', units='density', nodata\_fill=0))>50,0.0767\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-1.4359\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if(indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if(indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)+0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if(indicator(name='Mixed AVI unity ac\_new', units='density', nodata\_fill=0)>50,0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if((indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)+indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0))>50,-0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if((indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)+indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0)+indicator(name='Black Spruce AVI unity ac\_new', units='density', nodata\_fill=0)+indicator(name='Larch AVI unity ac\_new', units='density', nodata\_fill=0))>50,-0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2),0))))))-0\*indicator(name='Linear footprint 1000m', units='density', nodata\_fill=0)/100+0\*indicator(name='Nonlinear footprint AVI 1000m', units='density', nodata\_fill=0)/100-0\*((indicator(name='Nonlinear footprint AVI 1000m', units='density',nodata\_fill=0)/100)\*\*2)+0\*indicator(name='YBSA preferred habitat 1000m', units='density', nodata\_fill=0)/100+2.1921\*sqrt(indicator(name='YBSA preferred habitat 1000m', units='density',nodata\_fill=0)/100)-0\*indicator(name='xMean Coldest Month Temperature ac\_new', units='density', use\_static=True, static\_time=2010, nodata\_fill=0)+0\*indicator(name='xMean Warmest Month Temperature ac\_new', units='density', use\_static=True, static\_time=2010) -0\*((indicator(name='Linear footprint 1000m', units='density', nodata\_fill=0)+indicator(name='Nonlinear footprint AVI 1000m', units='density',nodata\_fill=0))/100)+0\*(((indicator(name='Linear footprint 1000m', units='density', nodata\_fill=0)+indicator(name='Nonlinear footprint AVI 1000m', units='density',nodata\_fill=0))/100)\*\*2))

Abbreviated:

(0.9828+if(indicator(name='Black Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50, 0.3413,if(indicator(name='Deciduous AVI unity ac\_new', units='density', nodata\_fill=0)>50,0,if(indicator(name='Agriculture Crops Unityb', units='density', nodata\_fill=0)>50, 0.1715,if(indicator(name='Wetlands Fen', units='density', nodata\_fill=0)>50, 0.7462, if(indicator(name='Grassland Unityb', units='density', nodata\_fill=0)>50, -0.0165,if(indicator(name='Industrial Undifferentiated Unityb', units='density', nodata\_fill=0)>50, -1.027,if(indicator(name='Larch AVI unity ac\_new', units='density', nodata\_fill=0)>50,0.3876,if(indicator(name='Wetlands Marsh', units='density', nodata\_fill=0)>50,-0.1819,if(indicator(name='Mine Pits Unityb', units='density', nodata\_fill=0)>50, 0.2824,if(indicator(name='Mixed AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0.1511,if(indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0.0943,if(indicator(name='Agriculture Pasture Unityb', units='density', nodata\_fill=0)>50,0.049,if(indicator(name='Rural Settlement Unityb', units='density', nodata\_fill=0)>50,-0.1783,if(indicator(name='Shrubland Unityb', units='density', nodata\_fill=0)>50,0.1362,if(indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0.3353,if(indicator(name='Wetlands Swamp', units='density', nodata\_fill=0)>50,0.2957,if(indicator(name='Urban Undifferentiated Unityb', units='density', nodata\_fill=0)>50,-10.3786,0.0262)))))))))))))))))+1.1532\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0) -0.0705\*(indicator(name='Major Road Unityb', units='density', nodata\_fill=0)+indicator(name='Minor Road Unityb', units='density', nodata\_fill=0))/100+0.5593\*(indicator(name='PetroWell Gas Unityb', units='density', nodata\_fill=0)+indicator(name='PetroWell Oil Unityb', units='density', nodata\_fill=0)+indicator(name='PetroWell Other Unityb', units='density', nodata\_fill=0)+indicator(name='PetroWell Water Unityb', units='density', use\_static=True, static\_time=2010, nodata\_fill=0))/100+0.4057\*indicator(name='xLatitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-0.1252\*indicator(name='xLongitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-0.195\*((indicator(name='xLatitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0))\*\*2)-0.0136\*((indicator(name='xLongitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0))\*\*2)+3.241\*indicator(name='Water Lentic 1000m', units='density', nodata\_fill=0)/100-6.386\*((indicator(name='Water Lentic 1000m', units='density', nodata\_fill=0)/100)\*\*2)+ 0.1307\*indicator(name='xLatitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)\*indicator(name='xLongitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)+61.0445\*indicator(name='xPotential Evapotranspiration ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)\*indicator(name='xMean Annual Precipitation ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-1.1486\*indicator(name='xMean Annual Temperature ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)\*indicator(name='xAnnual Heat Moisture Index ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0) -10.5073\*indicator(name='xPotential Evapotranspiration ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)+0.6267\*indicator(name='xMean Annual Temperature ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)+0.1129\*indicator(name='xAnnual Heat Moisture Index ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0) -36.0352\*indicator(name='xMean Annual Precipitation ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0) +0.0756\*indicator(name='Pipelines Unityb', units='density', nodata\_fill=0)/100+if((if(indicator(name='Mixed Origin AVI', units='density', nodata\_fill=0)==3,indicator(name='Mixed AVI unity ac\_new', units='density', nodata\_fill=0),0)+if(indicator(name='Deciduous Origin AVI', units='density', nodata\_fill=0)==3,indicator(name='Deciduous AVI unity ac\_new', units='density', nodata\_fill=0),0)+if(indicator(name='White Spruce Origin AVI', units='density', nodata\_fill=0)==3,indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0),0)+if(indicator(name='Pine Origin AVI', units='density', nodata\_fill=0)==3,indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0),0))>50,1-(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)\*200/50),0) +if((indicator(name='Black Spruce AVI unity ac\_new', units='density', nodata\_fill=0))>50,0.0767\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-1.4359\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if(indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if(indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)+0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if(indicator(name='Mixed AVI unity ac\_new', units='density', nodata\_fill=0)>50,0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if((indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)+indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0))>50,-0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-0\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)),if((indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)+indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0)+indicator(name='Black Spruce AVI unity ac\_new', units='density', nodata\_fill=0)+indicator(name='Larch AVI unity ac\_new', units='density', nodata\_fill=0))>50,-0\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2),0)))))) +2.1921\*sqrt(indicator(name='YBSA preferred habitat 1000m', units='density',nodata\_fill=0)/100))