(-12.0082+if(indicator(name='Black Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50, -0.8717,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, -0.168,if(indicator(name='Wetlands Fen', units='density', nodata\_fill=0)>50, -0.2235, if(indicator(name='Grassland Unityb', units='density', nodata\_fill=0)>50, -0.6278,if(indicator(name='Industrial Undifferentiated Unityb', units='density', nodata\_fill=0)>50, 1.4521,if(indicator(name='Larch AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0.9132,if(indicator(name='Wetlands Marsh', units='density', nodata\_fill=0)>50,-0.7726,if(indicator(name='Mine Pits Unityb', units='density', nodata\_fill=0)>50, 1.1245,if(indicator(name='Mixed AVI unity ac\_new', units='density', nodata\_fill=0)>50,0.4127,if(indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0)>50, 0.7748,if(indicator(name='Agriculture Pasture Unityb', units='density', nodata\_fill=0)>50,-0.7477,if(indicator(name='Rural Settlement Unityb', units='density', nodata\_fill=0)>50,-11.1224,if(indicator(name='Shrubland Unityb', units='density', nodata\_fill=0)>50,-1.0382,if(indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50,-1.4964,if(indicator(name='Wetlands Swamp', units='density', nodata\_fill=0)>50,0.2165,if(indicator(name='Urban Undifferentiated Unityb', units='density', nodata\_fill=0)>50,-10.4946,-0.4257)))))))))))))))))+3.0502\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)-0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)+-1.5063\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))-0.1733\*(indicator(name='Major Road Unityb', units='density', nodata\_fill=0)+indicator(name='Minor Road Unityb', units='density', nodata\_fill=0))/100+1.1486\*(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+0.7933\*indicator(name='xLatitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-0.2570\*indicator(name='xLongitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-0.0286\*((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)- 0.1066\*((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)+5.6201\*indicator(name='Water Lentic 1000m', units='density', nodata\_fill=0)/100-12.3526\*((indicator(name='Water Lentic 1000m', units='density', nodata\_fill=0)/100)\*\*2)+0\*indicator(name='Total Agriculture 1000m', units='density', nodata\_fill=0)/100+1.5565\*indicator(name='Seismic Pipeline Cutblock AVI 1000m', units='density', nodata\_fill=0)/100+0.2057\*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)+0\*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)-0\*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)+6.9246\*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)+0.2224\*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)+4.7722\*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)+7.6901\*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\*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)-3.9694\*indicator(name='Alienating land use 1000m', units='density', nodata\_fill=0)/100-2.1943\*((indicator(name='Alienating land use 1000m', units='density', nodata\_fill=0)/100)\*\*2) -1.4414\*((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,-0.4074\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)+0.5404\*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,-2.4020\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)+4.3385\*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)>50,2.2417\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-3.0578\*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)>50,2.3625\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-1.5512\*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='WETA preferred habitat 1000m', units='density', nodata\_fill=0)/100+2.0995\*sqrt(indicator(name='WETA 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:

(-12.0082+if(indicator(name='Black Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50, -0.8717,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, -0.168,if(indicator(name='Wetlands Fen', units='density', nodata\_fill=0)>50, -0.2235, if(indicator(name='Grassland Unityb', units='density', nodata\_fill=0)>50, -0.6278,if(indicator(name='Industrial Undifferentiated Unityb', units='density', nodata\_fill=0)>50, 1.4521,if(indicator(name='Larch AVI unity ac\_new', units='density', nodata\_fill=0)>50,-0.9132,if(indicator(name='Wetlands Marsh', units='density', nodata\_fill=0)>50,-0.7726,if(indicator(name='Mine Pits Unityb', units='density', nodata\_fill=0)>50, 1.1245,if(indicator(name='Mixed AVI unity ac\_new', units='density', nodata\_fill=0)>50,0.4127,if(indicator(name='Pine AVI unity ac\_new', units='density', nodata\_fill=0)>50, 0.7748,if(indicator(name='Agriculture Pasture Unityb', units='density', nodata\_fill=0)>50,-0.7477,if(indicator(name='Rural Settlement Unityb', units='density', nodata\_fill=0)>50,-11.1224,if(indicator(name='Shrubland Unityb', units='density', nodata\_fill=0)>50,-1.0382,if(indicator(name='White Spruce AVI unity ac\_new', units='density', nodata\_fill=0)>50,-1.4964,if(indicator(name='Wetlands Swamp', units='density', nodata\_fill=0)>50,0.2165,if(indicator(name='Urban Undifferentiated Unityb', units='density', nodata\_fill=0)>50,-10.4946,-0.4257)))))))))))))))))+3.0502\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0) -1.5063\*sqrt(indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))-0.1733\*(indicator(name='Major Road Unityb', units='density', nodata\_fill=0)+indicator(name='Minor Road Unityb', units='density', nodata\_fill=0))/100+1.1486\*(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+0.7933\*indicator(name='xLatitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-0.2570\*indicator(name='xLongitude ac\_new', units='density', scen='historic - empirical or loaded from outside data', use\_static=True, static\_time=2010, nodata\_fill=0)-0.0286\*((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)- 0.1066\*((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)+5.6201\*indicator(name='Water Lentic 1000m', units='density', nodata\_fill=0)/100-12.3526\*((indicator(name='Water Lentic 1000m', units='density', nodata\_fill=0)/100)\*\*2) +1.5565\*indicator(name='Seismic Pipeline Cutblock AVI 1000m', units='density', nodata\_fill=0)/100+0.2057\*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) +6.9246\*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)+0.2224\*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)+4.7722\*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) +7.6901\*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) +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)-3.9694\*indicator(name='Alienating land use 1000m', units='density', nodata\_fill=0)/100-2.1943\*((indicator(name='Alienating land use 1000m', units='density', nodata\_fill=0)/100)\*\*2) -1.4414\*((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,-0.4074\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)+0.5404\*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,-2.4020\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)+4.3385\*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)>50,2.2417\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-3.0578\*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)>50,2.3625\*indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0)+0\*((indicator(name='MeanForestAgeBAMABMIbirdmodels v3 ac\_new', units='density', nodata\_fill=0))\*\*2)-1.5512\*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)))))) +2.0995\*sqrt(indicator(name='WETA preferred habitat 1000m', units='density',nodata\_fill=0)/100))