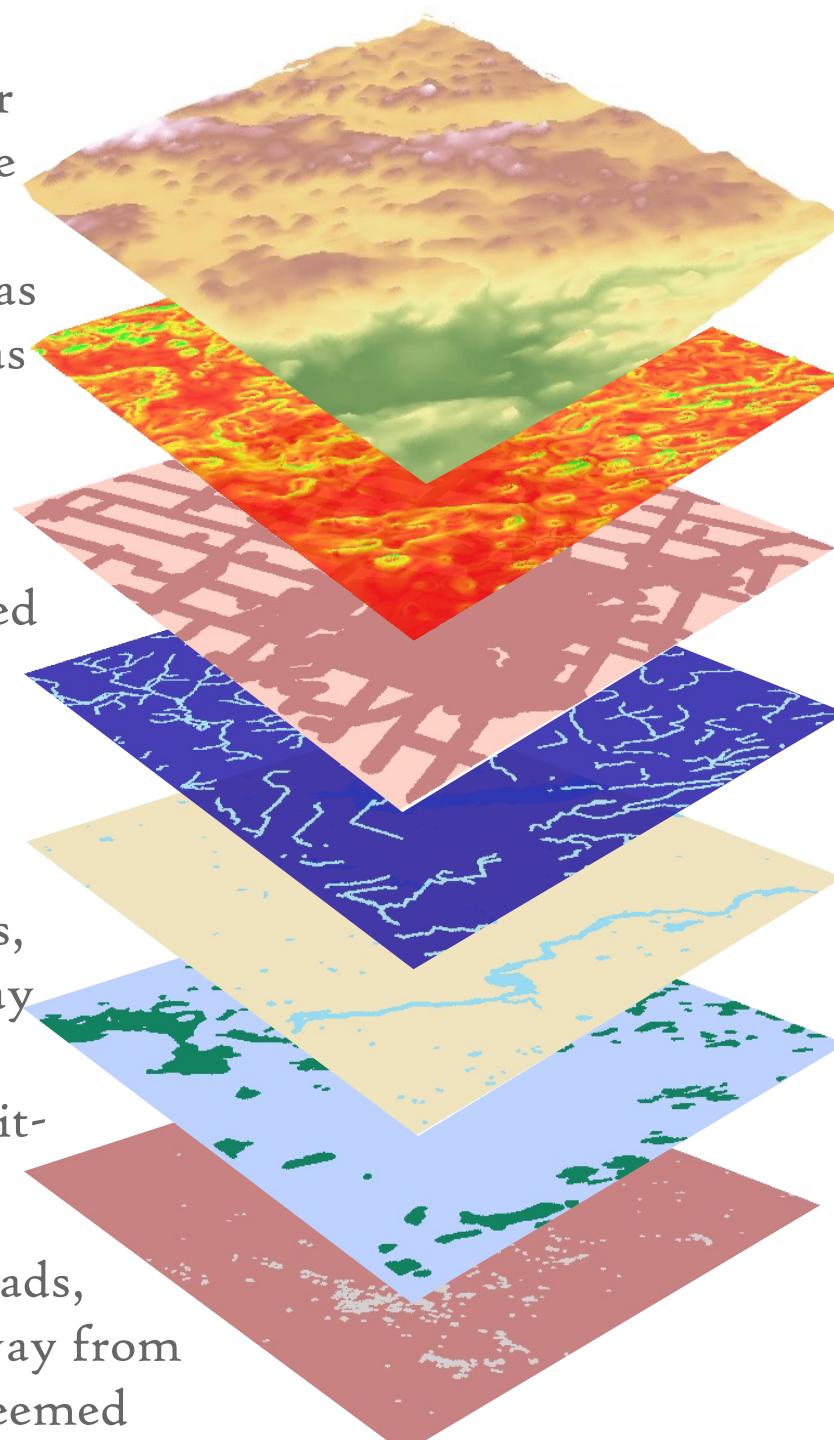


# Grab DEM skis, We're Going Cross-Country!

In order to determine suitability of land for cross-country skiing trails in our study area, we first identified that the most important criteria for our analysis are slope and proximity to buildings, lakes, streams, wetlands, and roads. A series of models were then used to generate layers for each of these criteria, which could then be reclassified and combined to isolate areas that meet all of our set out criteria.

1. The Topo To Raster tool was used to create a DEM, using spot heights and contours as inputs. This DEM was then used as input to create a slope raster. Areas with a slope of 5% or less were deemed most suitable.



2. For proximity to buildings, lakes, streams, and wetlands, areas at least 50m away from these features were deemed most suitable.



3. For proximity to roads, areas at least 250m away from these features were deemed most suitable