

FunConn Tools: Common Errors

These are the most commonly seen errors amongst FunConn users. If any of the following are true, you are probably running into problems:

1. ***You don't have the Spatial Analyst extension active or are running a different version of ArcGIS.*** The tools are intended for use with ArcGIS v9.1 and require the ArcInfo license with the Spatial Analyst extension active.
2. ***Your land cover or disturbance rasters are saved in files with path names that are too long.*** This will cause the model to fail in both the Habitat Quality and the Landscape Network steps where there is a reclassification. The reclass statements must be less than 4000 characters; having a long path name will often cause this to be exceeded.
3. ***ArcCatalog is open.*** If ArcCatalog is left open while running the FunConn tools, it can lock up ArcMap, causing the processes to fail.
4. ***Your c:\temp folder is full.*** This is especially important in the Landscape Network step. The FunConn directories are huge and if there is not enough disk space, the model will fail.
5. ***Your aggregation factor is inconsistent between steps.*** If you aggregated by a factor of 2 in the Habitat Quality step, you must also indicate 2 in the Landscape Network step. These must be the same, as cell sizes must be the same to perform GRID functions.
6. ***You are using an aggregation factor that is too large.*** This can cause fine-grain detail in your landcover or disturbance rasters to be lost because when you aggregate to a larger cell size, the MAX value is taken. It is always optimal to run your model with an aggregation factor of 1, if computationally possible.
7. ***You have NoData values sprinkled throughout your land cover or disturbance rasters.*** Make sure these surfaces are complete throughout your study area.

If you are skipping the first two steps of the habitat modeling process and jumping right into building a landscape network from existing patches of your own, check these:

8. ***Your cells sizes are inconsistent between input datasets.*** Make sure your patches raster has the same cell size as the landcover/disturbance raster.
9. ***Your analysis output extent is smaller than your study area.*** Double check your environment general settings.

10. *You have less than a 2-cell width separation between patches.* For linkages to be built, you need at least this much.