GEOG 3231/5231 Intro GIS

**Review vector analysis**

Use the data in the quizoverlay.zip folder to make a map showing the number of survey points that meet the following criteria:

1. Survey type is **field** collected AND located in **Cook** county
2. **Within 2 miles** of trout **streams**
3. At least **5 miles away** from **State Parks**

***Tips*** *-Not a full run-down of what needs to be done, just a few points to get started!*

* Determine the appropriate spatial reference for this project.
* Set data frame coordinate system & Geoprocessing Environments.
* Use your notes from the previous vector analysis projects for reference.
* You will need to join data from a table to a layer.

**Data Source: MN DNR**

* surveypoints.shp = point file of all surveyed locations
* survey\_record.xls = Excel file of survey point descriptions
* studyarea.shp = tri-county study area polygons
* troutstresm\_GCS.shp = MN subset of trout stream polylines
* stateparks\_GCS.shp = MN state park polygons

The finished map must be complete with all necessary map elements and appropriate formatting.

**Be sure to create a text box that states the number of points you selected.**

Upload the exported **pdf** (NOT the mxd) of your map to D2L.