County Section Grids and Endangered Species Data

Enclosed is a section grid shapefile, a data table (dbf) for all endangered and rare species covered by PRESCRIBE, a data table for aquatic species, a data table for terrestrial species, a shapefile for aquatic species, and a shapefile for terrestrial species. The section grid is in California State Plane II, but can be re-projected to anything you want as the PRJ file with projection information is included. The data tables are Fox+dbase and they are exported so they can be opened in ArcMap or any other program.

The relationship between the section grid and the species information is one to many (i.e. there can be multiple species in a single section), so the data has to be related rather than joined in ArcView. If the data is joined you will only get the first species in a section. The shapefile and dbf can be related and then single or multiple species can be selected and layers or shapefiles can be created to illustrate the data.

To map the species information in ArcView you need to relate the section grid shapefile to the dbf:

* Open the section grid shapefile, click on it to highlight and right click
* Click Open attribute table
* At the bottom of the table click Options
* Click Joins and Relates
* Click Relate
* Relate on the field COTRS, select the endangered species dbf, and relate on the field COTRS
* Click Options and click Related Tables; the related species table will open

To select sections:

* With the related table open, click Options, and click Select by attributes
* Type in the species that you want to select: ex. “Cname”=’California Red-legged frog’
* Click Options and click Related Tables; the original section grid table with the selections will open

To create a layer or shape-file from selected data:

* Close both tables
* Right click on the section grid and click on Data
* Click on Export Data and export with selected features to create a shapefile
* Repeat process for each species