Georeferencing a map follow-along



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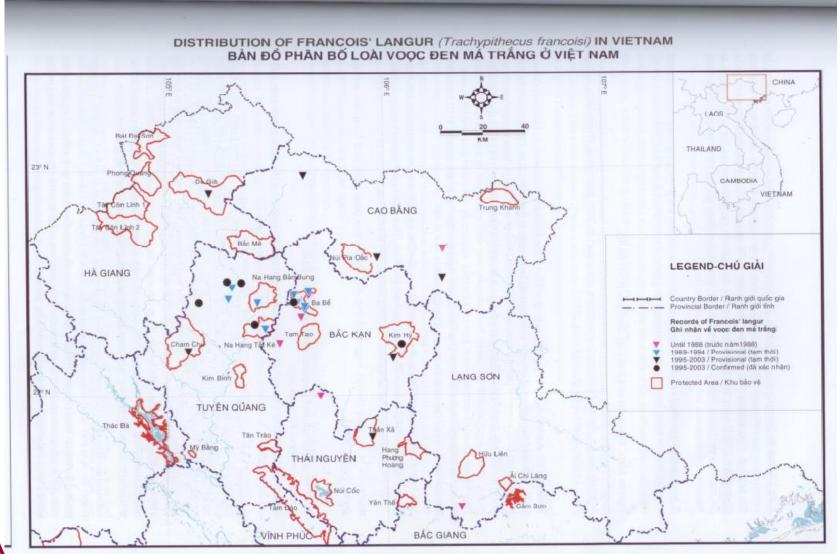
American Museum of Natural History

GIS has the ability to assign coordinates to a map that has no spatial information

- e.g., paper map scans

Images can be warped through mathematical transformations to fit within the coordinate system



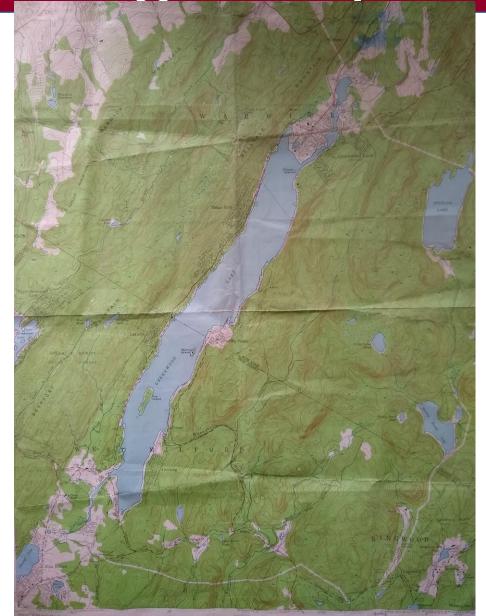




USGS Quadrangle

1954 "Quad map"

- 7.5 minute = between 49 70 square miles
- Image normally has thick border, but was cropped out





- Use the OpenLayers plugin
 - Add a useful map showing the region of interest
 - Must be at least as detailed as the map you want to georeference



- Open Georeferencer plugin
 - Found in raster toolbar
 - Add gwlquad.jpg raster
 - Click "Add point"
 - Two ways to add a georeferencing point
 - 1. Clicking between maps
 - 2. Add known coordinates for point
 - Add as many points as you can in a large area
 - Change transformation settings to match map



- Flicker the layer
 - Highlight the layer in the table of contents and hit space bar to turn the layer on and off to check against the openlayer

