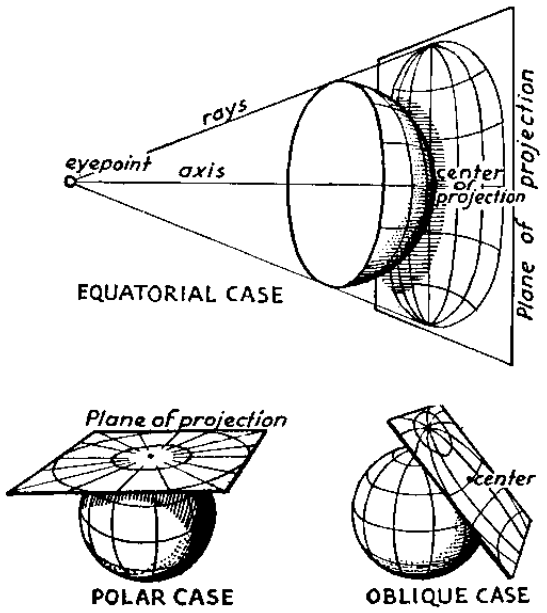
ECOLOGICAL PLANNING + DESIGN
Rhode Island School of Design
Emily Vogler + Jessica Leete
Spring 2015



2/23 WEEK 2:
VISUALIZING SPATIAL DATA 1 – GIS Vector Workshop

READINGS:

- James Corner. 'Agency of Mapping' in Mappings, ed. Denis Cosgrove. Reaktion Books 1999.

OPTIONAL:

- LaGro, James. Chapter 2 Visualization of Spatial Information
- Harley, J.B. Maps, Knowledge and Power. In The Iconography of Landscape. Ed. Denis Cosgrove and Stephan Daniels (p277-311).

ADDITIONAL BOOKS ON MAPPING + VISUALIZATION

- Tufte, Edward. The Visual Display of Quantitative Information. Graphics Press. 1992
- Hanna, Karen. GIS for Landscape Architects. ESRI Press, NY. 2002.
- Denis Cosgrove, ed. Mappings . Reaktion Books, 1999.
- Daniel Dorling and David Fairbairn. Mapping: Ways of Representing the World. Longman, 1997.
- Kate Ascher. The Works: Anatomy of a City. Penguin Books, 2005.

EXERCISE 2: MICRO | MACRO

For this exercise you will use GIS to map the topic that you are analyzing for studio. These drawings can and should overlap with the work you are doing for studio.

1. Make a graphically clear and compelling map or series of maps that cover the topic you are analyzing for studio. Include other layers that are needed to clearly communicate and locate the viewer (surrounding states, waterbodies, roads if appropriate, labels, etc). Map should include scale, north arrow, legend, etc.
2. Write a paragraph about the main layer you are using for your analysis work (ex. Land use, census, habitat). Reference the metadata and explain: Who created the layer? Why and how it was developed? What purpose is data supposed to be used for? And what are its limitations?
3. Take an element from the map and zoom into the micro scale and make a diagram (axon or section) or series of diagrams that provide spatial dimension or clarity to the data (section of different water edge conditions, axon of habitat types).