ArcView 8.x Tips and Tricks

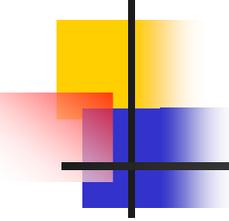**Blaine Hackett**

President

GIS RANGERS

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Cartographic Tips

- Maps are too easy to make!

- Making Maps that Communicate (ArcUser Article)

- "Maps should be as simple as possible, elegant in form, and easy to read"

- Color Ramps – 2 categories
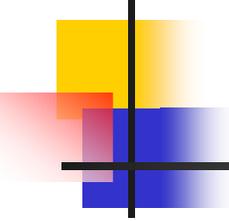 - Bright
  - Light to Dark

Cartographic Tips

- Basic Principles
  - Purpose
  - Audience
  - Size, Scale, Media
  - Focus-what is important
  - Correctness
  - Balance
  - Completeness
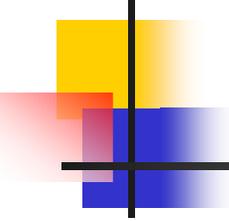
Cartographic Tips

- Basic Principles
    - Purpose
        - Know Purpose
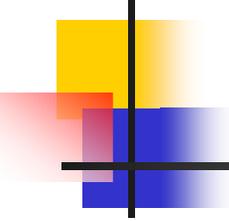   - Don't try to communicate too much

Cartographic Tips

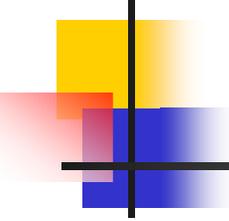- Basic Principles
  - Audience
    - Who will read your map
    - Target? Least prepared to understand

Cartographic Tips

- Basic Principles
    - Size, Scale, Media
        - Size of map/extent determine size of features
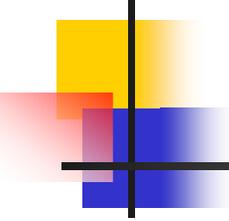   - Three Categores (Handheld, Tiny, Large format)

Cartographic Tips

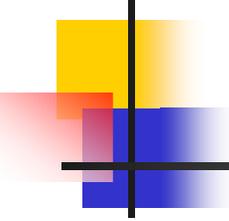- Basic Principles
  - Focus-what is important
    - Does the map reader know where to look first?
    - Warm colors or solid black for important features
    - Cool colors like blues, greens or light gray for background or adjacent to focus areas

Cartographic Tips

- Basic Principles
  - Correctness
    - Is what your map shows correct?
    - You are responsible
    - Check one, twice, three times then have someone else check it
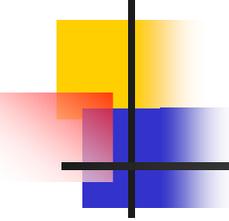
Cartographic Tips

- Basic Principles
  - Balance
    - Are parts properly aligned?
    - Map title slightly closer to elements than edge
    - Map elements not too close to neatline
    - Body of map should occupy central position
    - Legends don't have to be single column

Cartographic Tips

- Basic Principles
  - Completeness
    - Most maps should have basic elements
    - Exceptions to rule
      - Scale bar and North Arrow
      - Legend
      - Title
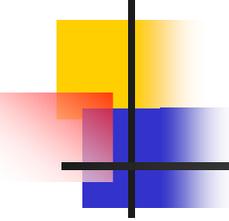
Cartographic Tips

- Map Publishing
  - Maps for newspaper or book
    - Illustrator format
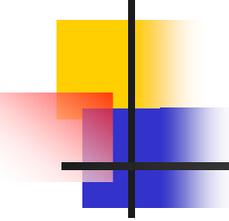   - Bitmap or JPEG at 300dpi
  - Internet
    - JPEG at 96dpi
    - Going to be printed? PDF at 300dpi
  - Use Windows Printer settings from ArcMap
  - When sending to printer, ask what format they like
  - Read printer manual for paper recommendations

Cartographic Tips

Web Link:

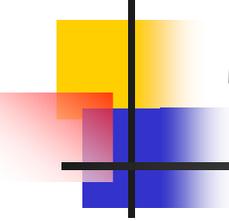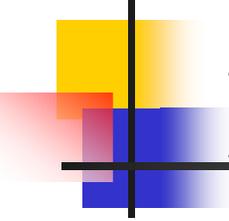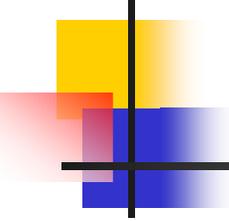http://www.esri.com/news/arcuser/1001/files/bettermaps.pdf

Table of Contents (TOC)

- Grouping
- Zoom to Scale
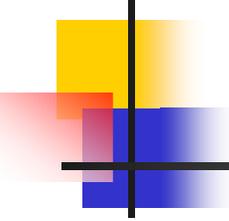- Classification
- Custom Symbolization

Labeling

- Priority
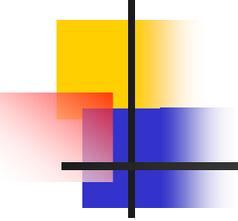- Zoom Tolerance
- Annotation
- Label Different Classes

Georeferencing Tools

- What if you don't have data you need?
- Fit to Display
- Add Links – Raster to Vector
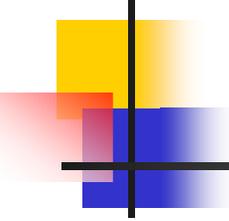- Heads up Digitize

Layout

- Locator Map

Developers Help

- Samples
    - ArcGIS/Arcexe83/ArcObjects Developer Kit/Samples
- DIG IN!!

Map Book Maker

- Find Code
  - ArcGIS/Arcexe83/ArcObjects Developer Kit/Samples/ArcMap/ MapProduction/DS MapBook
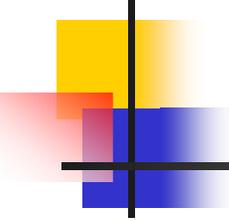- Install
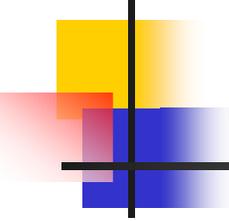- Customize Layout View Purpose
  - Add Date
  - Add Name
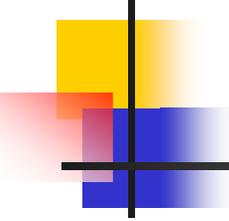 - Add Locator Map
- Create Map Book

Customize Interface

- VBA – Embedded programming environment
- New Toolbars for favorite tools
- New Controls execute new code
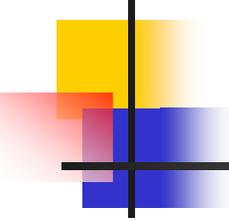- New Menus
- Shortcut Keys
- New Macros

Customize Interface

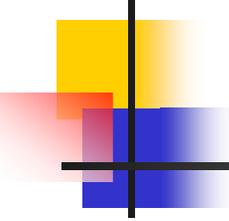- Storing customization
  - Three ways to store

Customize Interface

- Storing customization
  - Three ways to store
    - Normal template (MXT file)
      - accessible in all documents working from your profile or save in all users
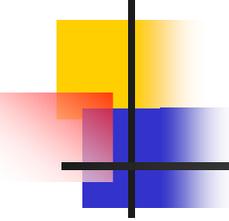   - Copy to Profiles\<user>\Application Data\ESRI\ArcMap\Templates

Customize Interface

- Storing customization
  - Three ways to store
    - Other Template
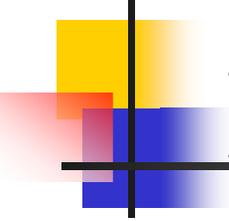   - Available to all documents that reference that template

Customize Interface

- Storing customization
  - Three ways to store
    - Current working document
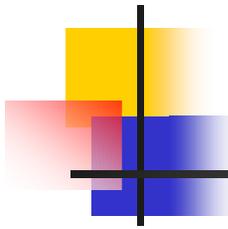   - available in that document only

Putting it to use

- Create Metadata for all in folder
- Updating All Metadata
- Adding text element to layout

Miscellaneous Stuff

- Simulate contours for Lakes
- Negative Hillshade

ArcView 8.x Tips and Tricks

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President

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