Generalization for Multi-Scale Mapping

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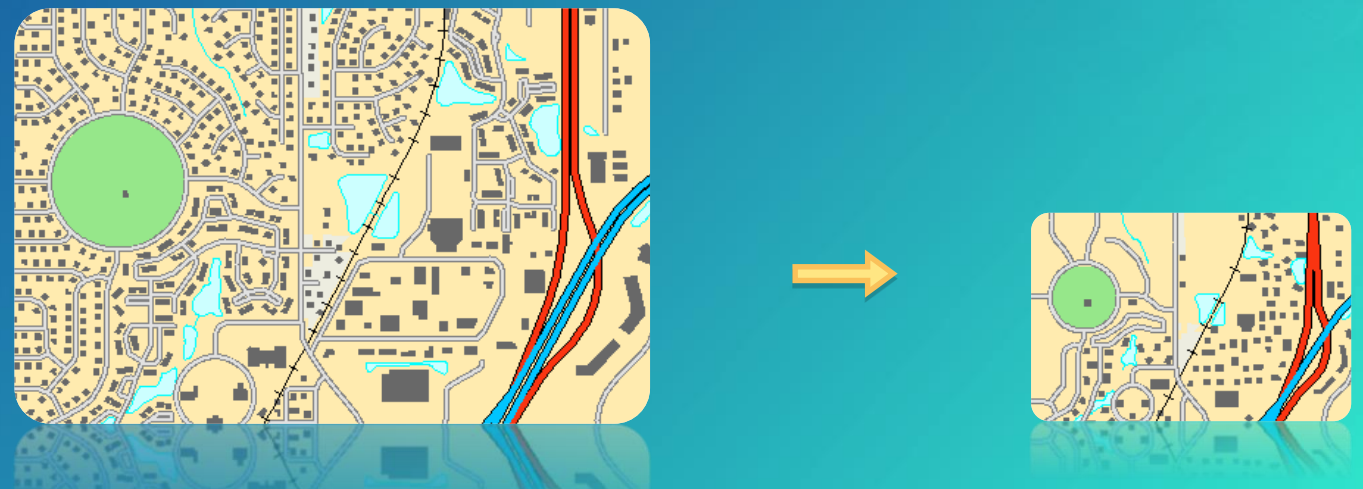
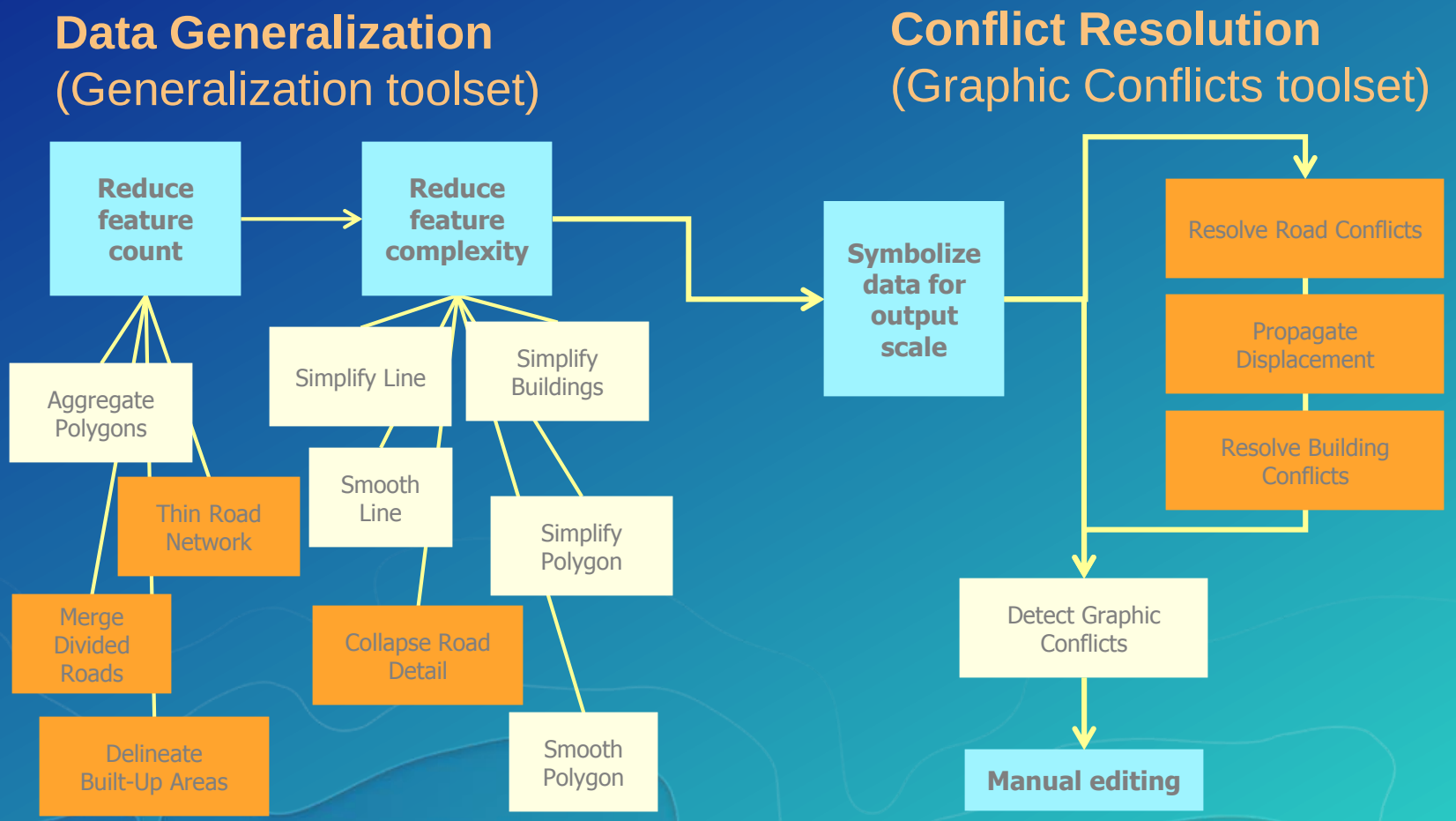
Contextual Generalization

- Early automated generalization tools considered the geometry of each feature sequentially without regard to symbology or other feature relationships

- Contextual generalization tools assess multiple features from multiple layers simultaneously
- Maintain representative pattern, density, and character
- Resolve conflicts between symbolized features at scale

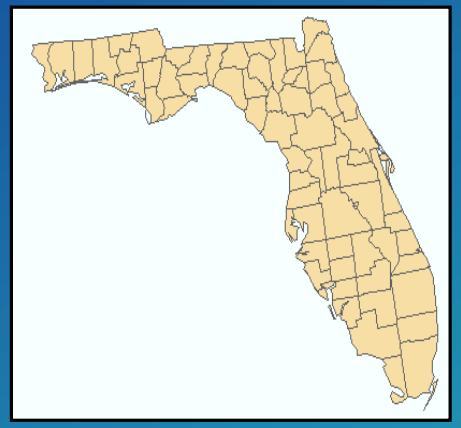


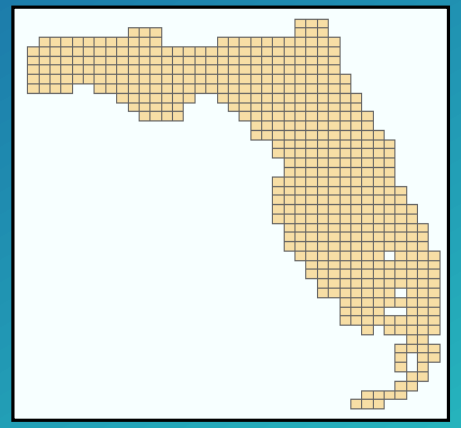
Multi-Scale Mapping Workflow

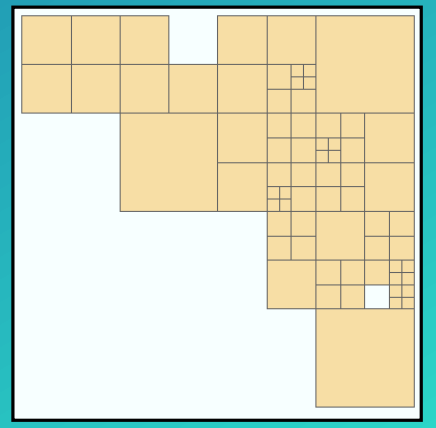


Partitioning Large Datasets

- Establish partitions for data
  - Feature layers, map sheet boundaries, or
  - use Create Cartographic Partitions tool
- Set the Cartographic Partitions geoprocessing environment variable to this partitions layer
  - Each partition processed independently
  - Edge matching handled







Generalization Demo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