

VDOT Areas Separation Update



Problem



- **How to identify areas within localities that belong to state agencies (e.g. VDOT) without provided datasets**

Potential Methodologies



- Depends on the available data
- Method 1: *Erase* parcels from boundary datasets to identify rights-of-way
- Method 2: *Clip* rights-of-way using parcel datasets

Available Parcel Data



- **Method 1 Localities**

- Chesapeake
- Isle of Wight
- James City
- Newport News
- Norfolk
- Portsmouth
- Williamsburg
- York

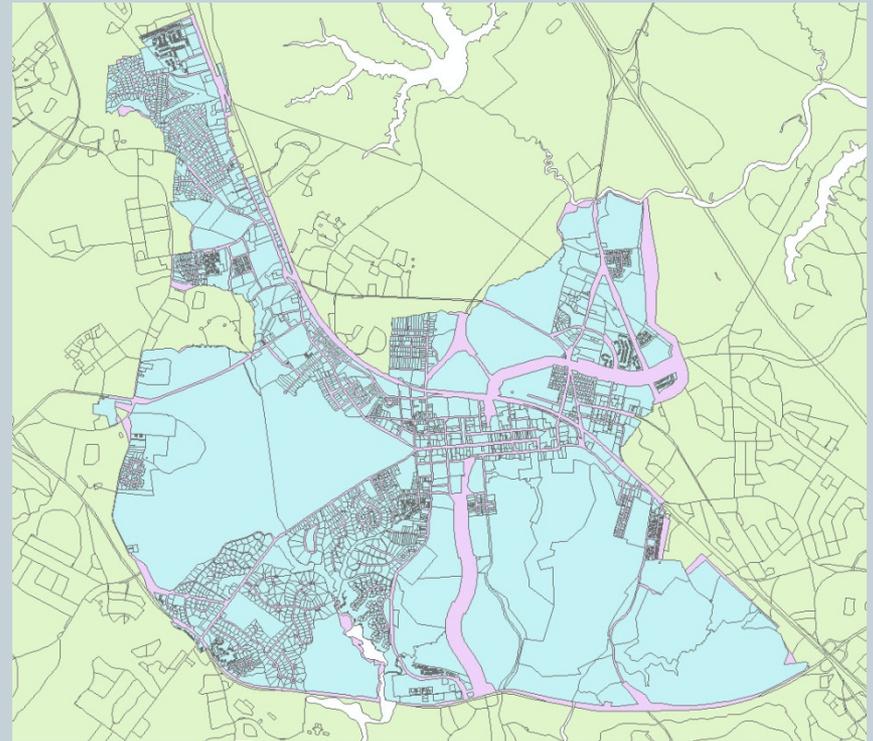
- **Method 2 Localities**

- Southampton
- Surry

Method 1: Extraction

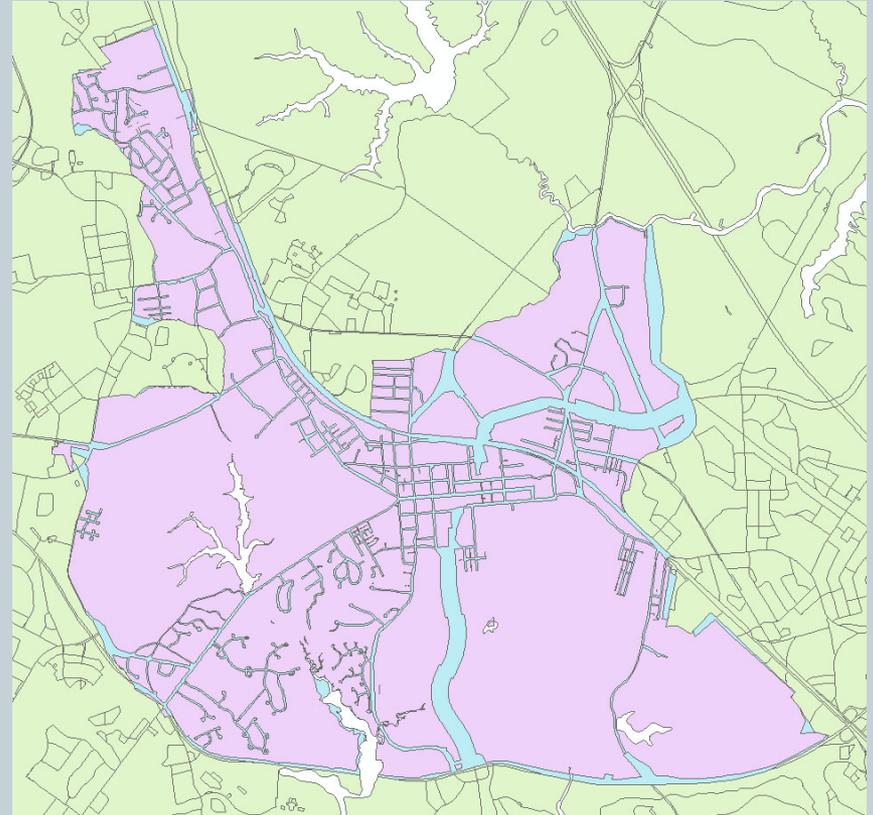


- **Data Requirements**
 - Parcels - localities
 - Boundaries – localities or Census (minus blocks with no land)
 - Other eliminating factors
 - ✦ Streams
 - ✦ Federal Properties
- **Potential Issues**
 - Requires coterminous boundaries to be accurate



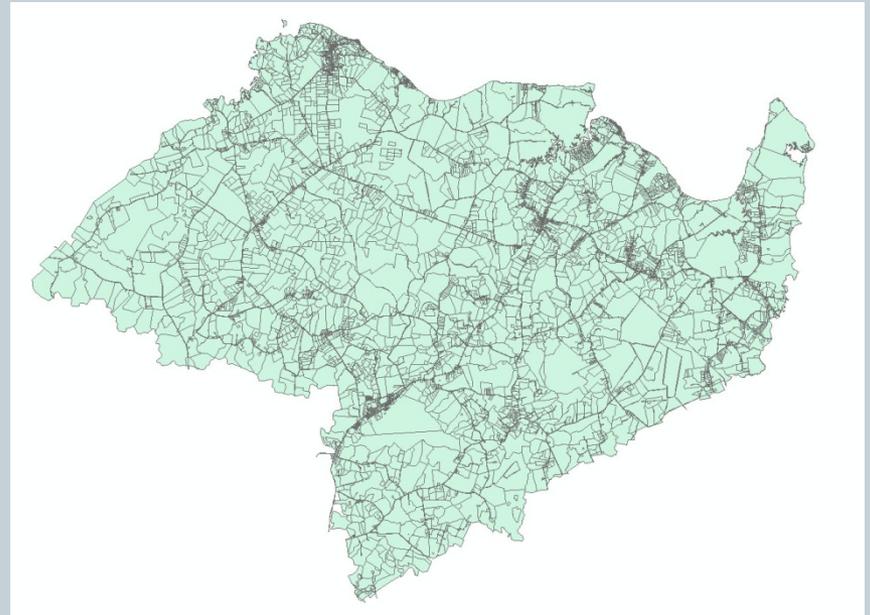
Method 1

- Use Analysis Tools -> Overlay -> Erase to create a new layer showing only road rights-of-way (and other potential leftovers)
- Calculate area of new layer



Method 2: Clipping

- **Data Requirements:**
 - Parcels



Method 2



- Select rights-of-way using “select by attributes” tool
- Create new layer from selection
- Calculate area of new layer

