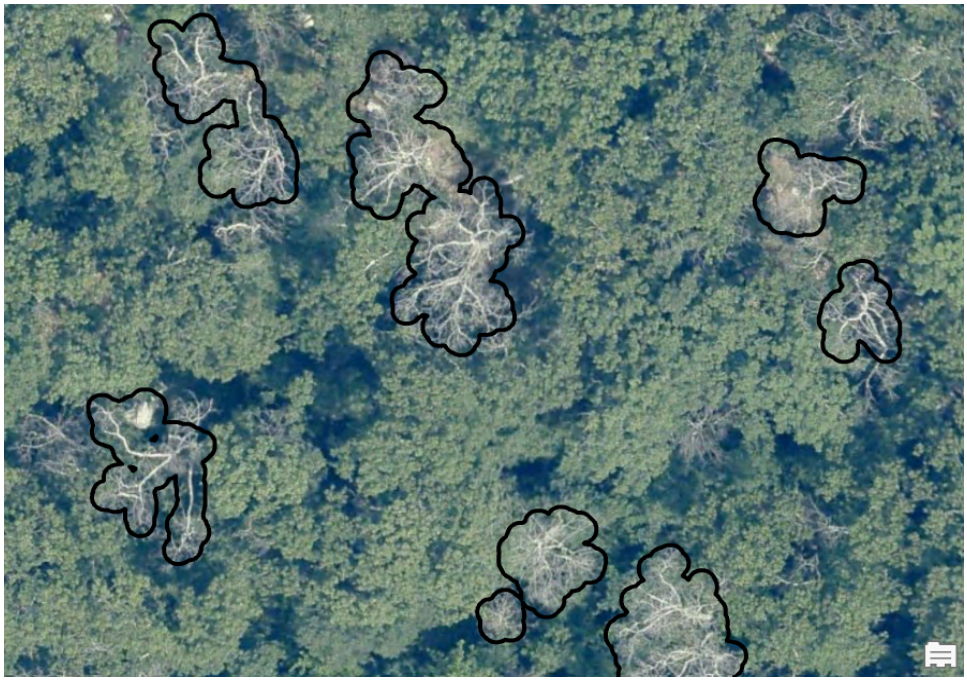
Dead Trees Detection Toolbox – Quickstart Guide

Purpose: This tool detects likely dead or declining trees from aerial imagery using automated image classification, blue-band filtering, and spatial cleanup workflows. **1. Input Aerial Image**
Choose any raster layer from your ArcGIS Pro map or browse to a TIFF/IMG/JP2 raster file. **2. Forest Mask (Optional)**
Use when you want to restrict detection to forested areas only. **3. Output Workspace**
Specify a File Geodatabase where final results will be saved. **4. Number of Classes**
Controls clustering detail (default 10). Higher values = more precise separation. **5. Minimum Tree Area**
Removes very small polygons. Default 1 m². **6. Buffer Distance**
Merges nearby fragments (default 1 m). **7. Minimum Buffer Area**
Filters final buffered shapes (default 30 m²). **8. Blue Band Index**
If blank, defaults to band 3 (standard Blue channel). Used for noise reduction. **9. Parallel Processing**
Use to speed up processing on multi-core machines. **10. Delete Temporary Folder**
Decide whether to keep intermediate files for debugging.



Example: Detected dead tree crowns outlined in black.