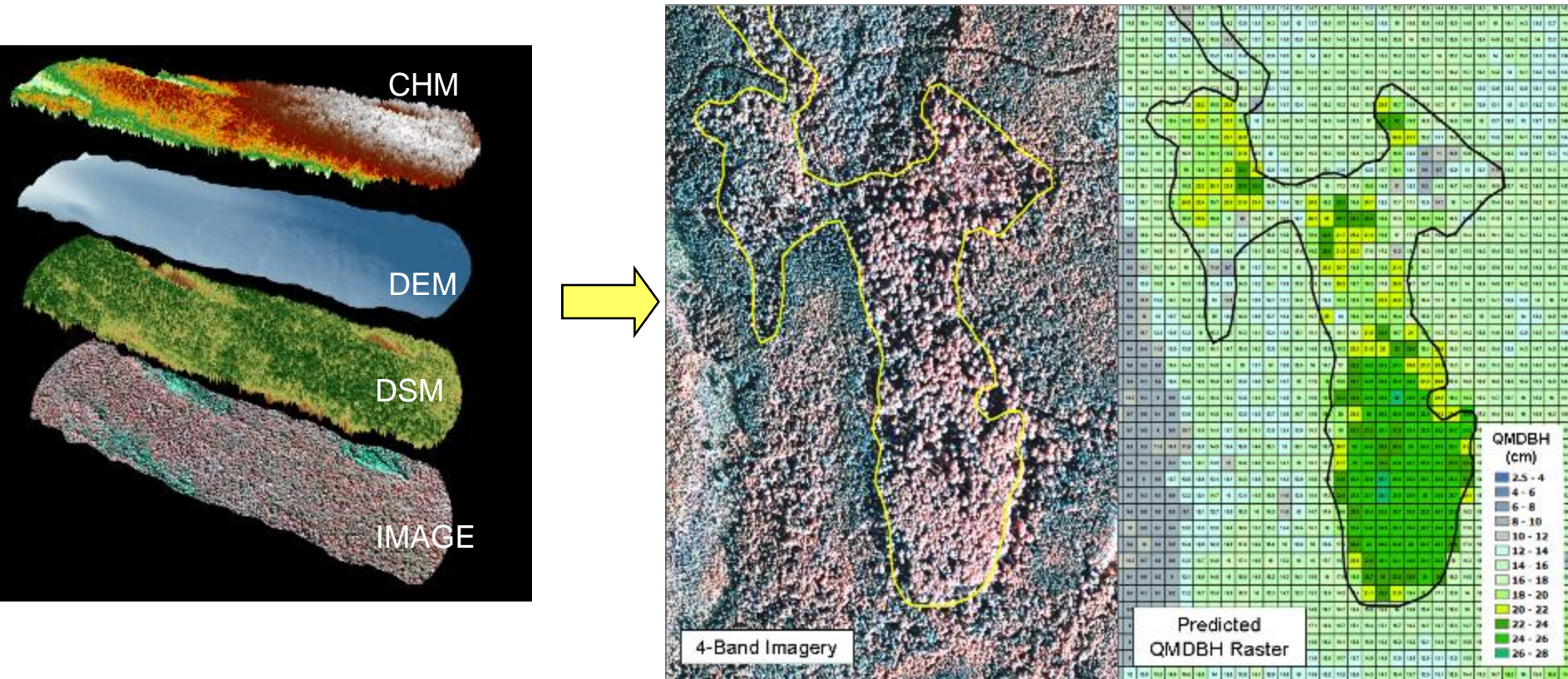


Precision Planning Inventory Tools for Forest Value Enhancement



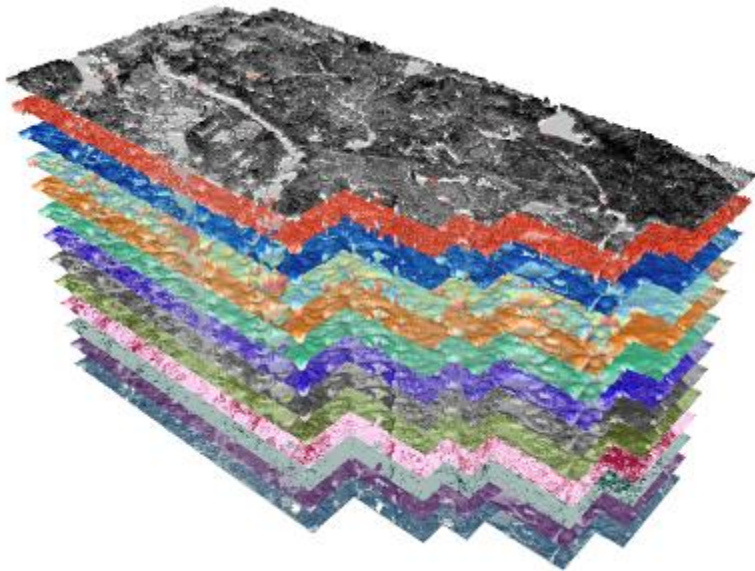
Adding value to Natural Resource Inventories with Technology

Precision Planning Inventory Tools for Forest Value Enhancement

Light Detection and Ranging (LiDAR)

What has been accomplished:

- Performed QC checks on data
- Processed DEM and Canopy Height Surfaces
- Produced suite of inventory predictor surfaces
- Produced Vegetation Complexity Index (VCI)



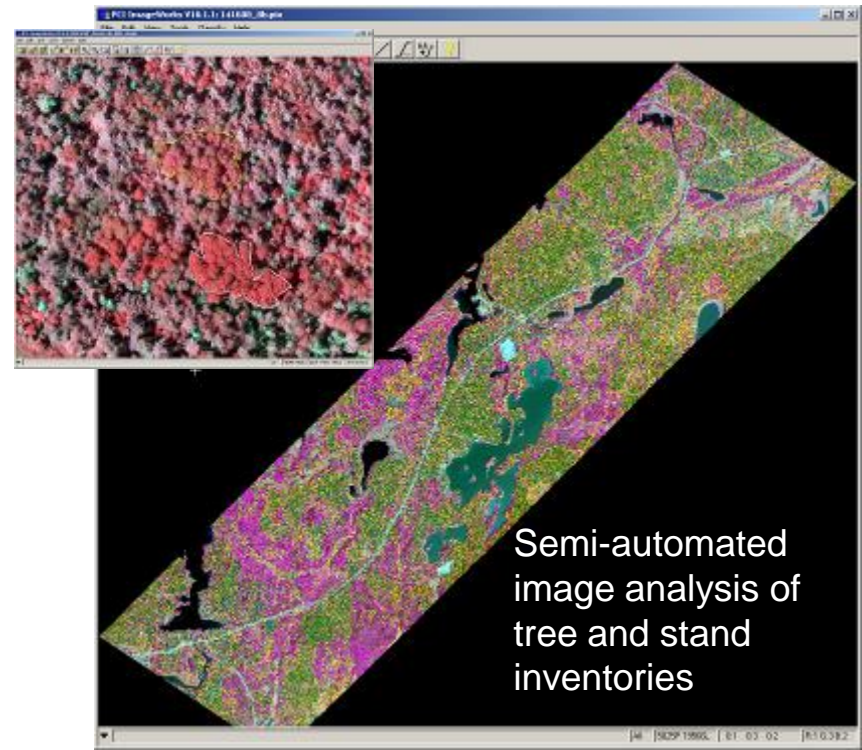
LiDAR derived surfaces



Digital Imagery Analysis

What has been accomplished:

- Accessed provincial imagery
- Processed imagery to support ITC analysis
- Initiated masking and crown identification
- Initiated species classification training dataset



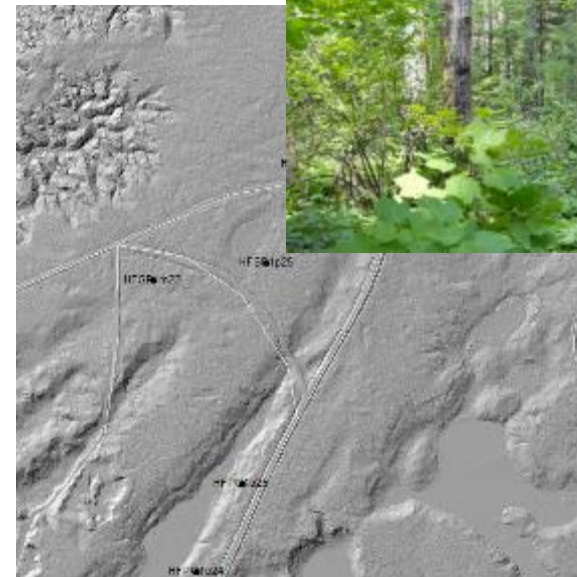
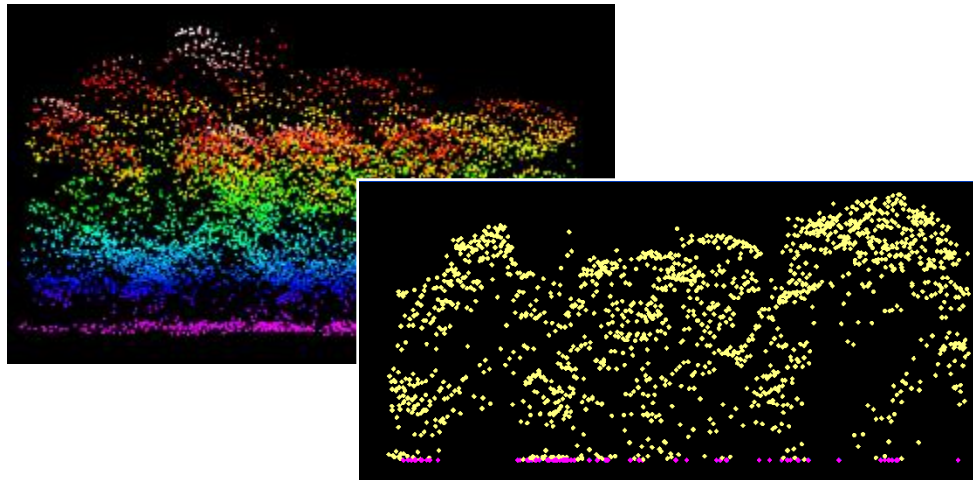
Semi-automated image analysis of tree and stand inventories

Precision Planning Inventory Tools for Forest Value Enhancement

Field Plot Calibration and Validation Dataset

What has been accomplished:

- 446 400m² plots established
- Stratified sample – 9 forest types x development stages
- Data entry and validation complete
- Summary development underway to support model building



LiDAR point cloud of field plot