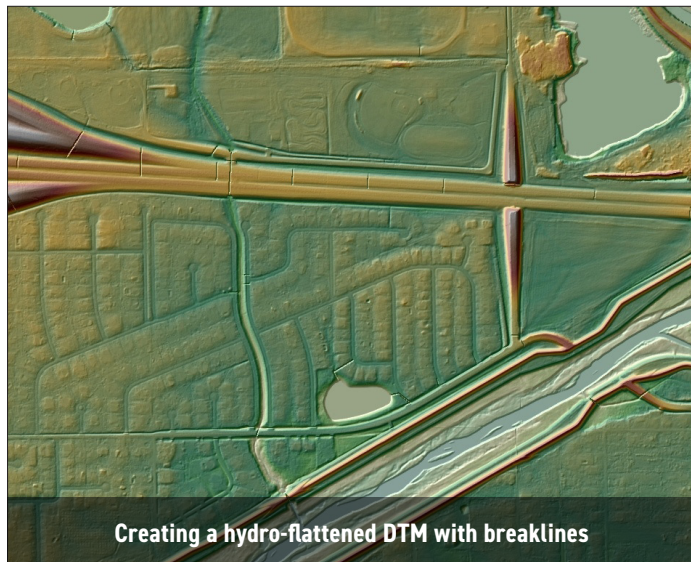# BENEFITS OF MARS® PRODUCTION VS. MARS® EXPLORER

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The MARS® Production software gives you the highest level of functionality and user tools. It also includes the MARS® QC module, which allows our users to efficiently identify and mitigate data quality issues.

Benefits of MARS® Production include:

- All the functionality of MARS® Explorer and the QC Module
- Tools for compiling, editing, and otherwise manipulating 3D shapefile breaklines
- Unlimited number of threads for multi-threaded functions (vs. four in Explorer and Explorer QC)
- Start and stop coverage tracking (These tools help in Editing and QC work by creating a shapefile showing the areas (window extents) that have been displayed in the current session.)
- Save tracking to shapefile

- Additional user tools, including:
  - Show breakline vertices
  - Merge shapefiles
  - Edge match for shapefiles
  - Depression coder
  - Complex polygons to simple
  - Change LAS date
  - Reference reclass
  - Reference reclass (closest distance)
  - Remove duplicates in LAS
  - Z-shift for LAS files
  - Z-shift on intensity
  - Z-shift on class
  - Single collection scan to multiple
  - Float grid to TIFF
  - Float grid to ERDAS IMG
  - TIFF nullifier

Creating a hydro-flattened DTM with breaklines

Running the QC Module with 56 threads

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