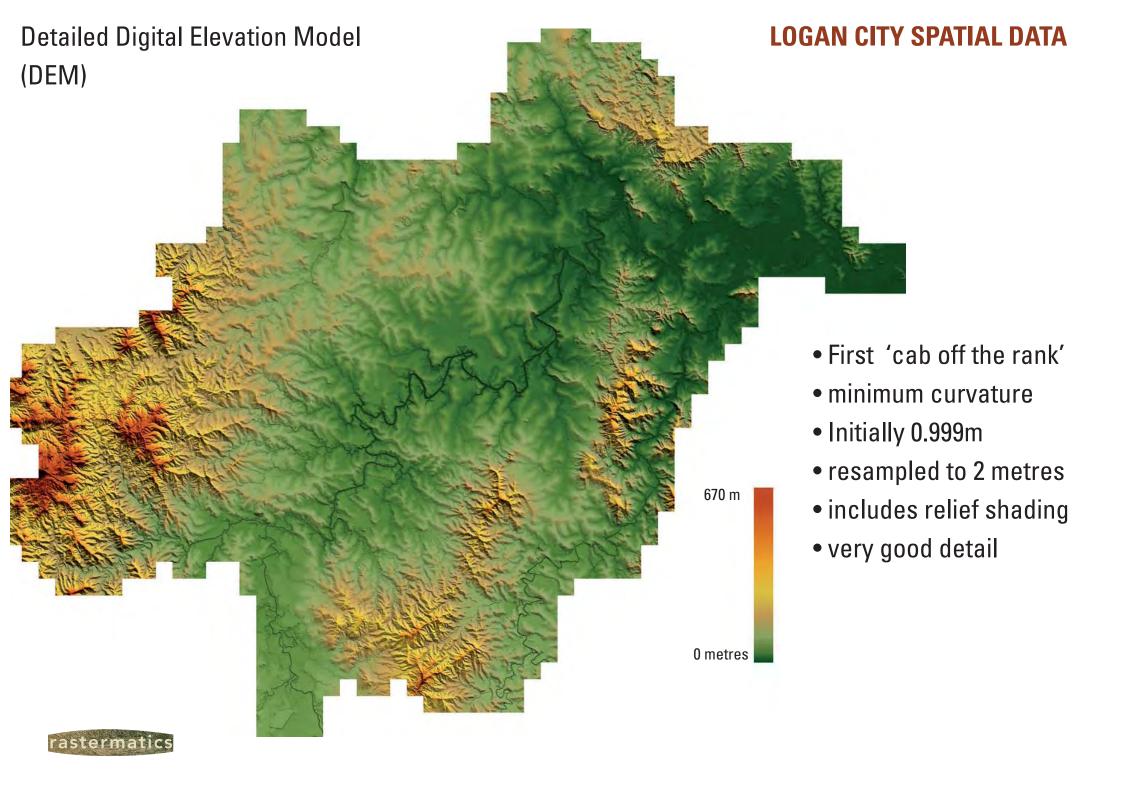
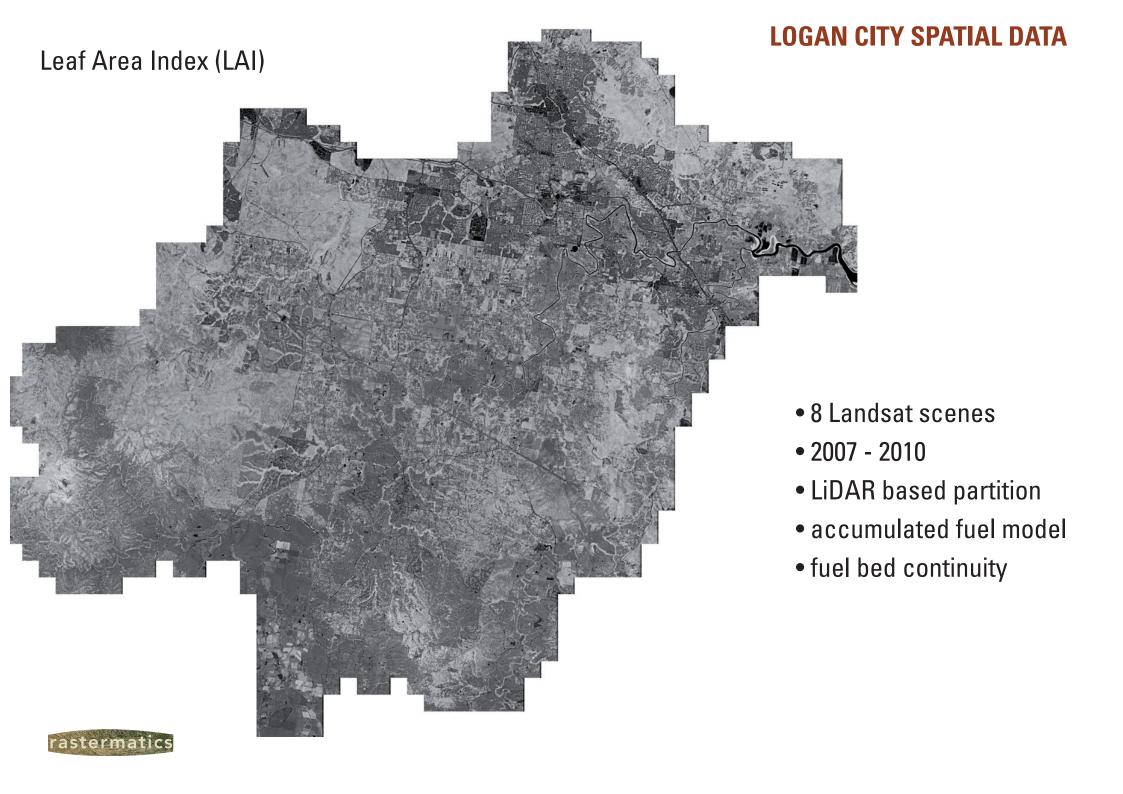
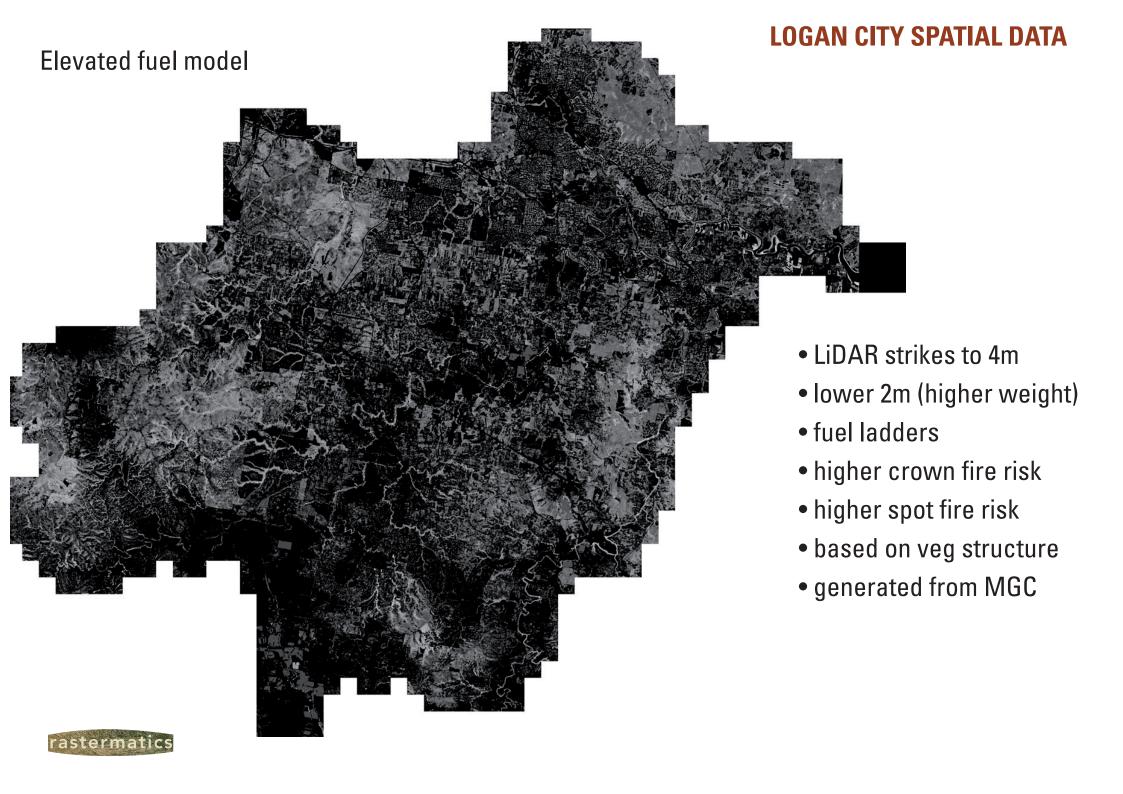


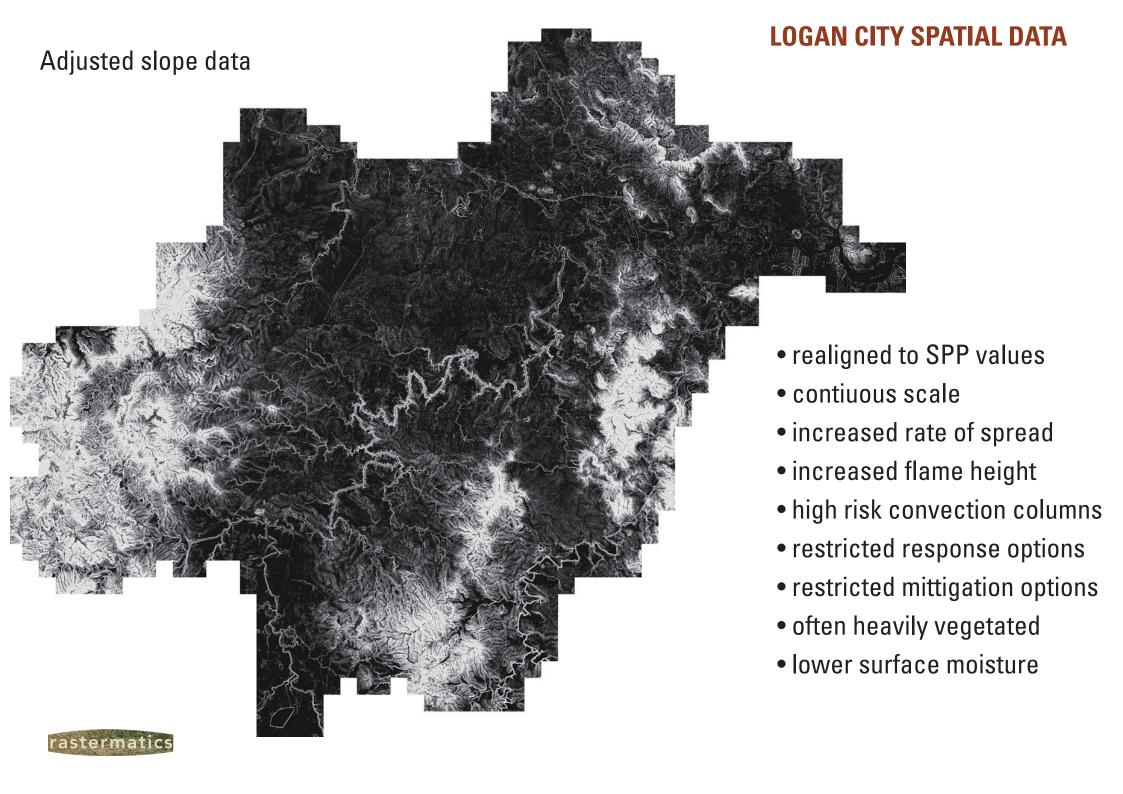
- Bushfire Hazard
- Waterways
- Centrelines
- Catchments
- DCM
- MGC
- Erodability
- Initial Absorption

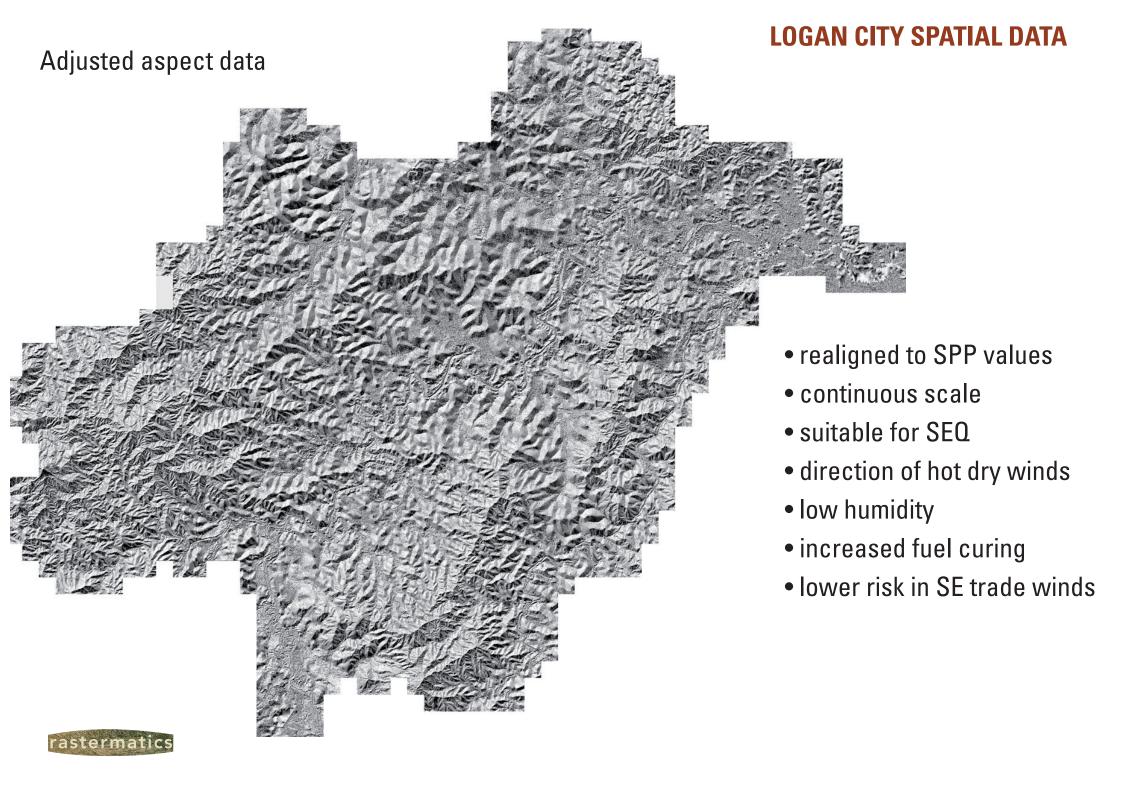


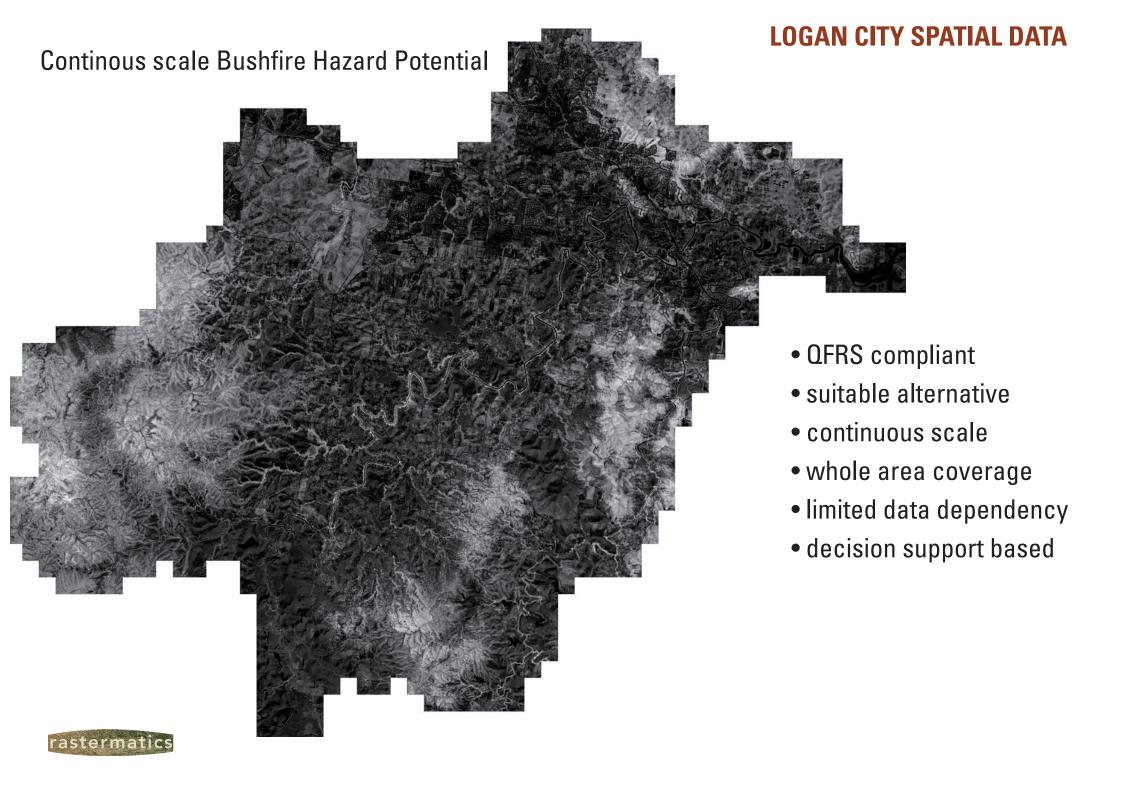


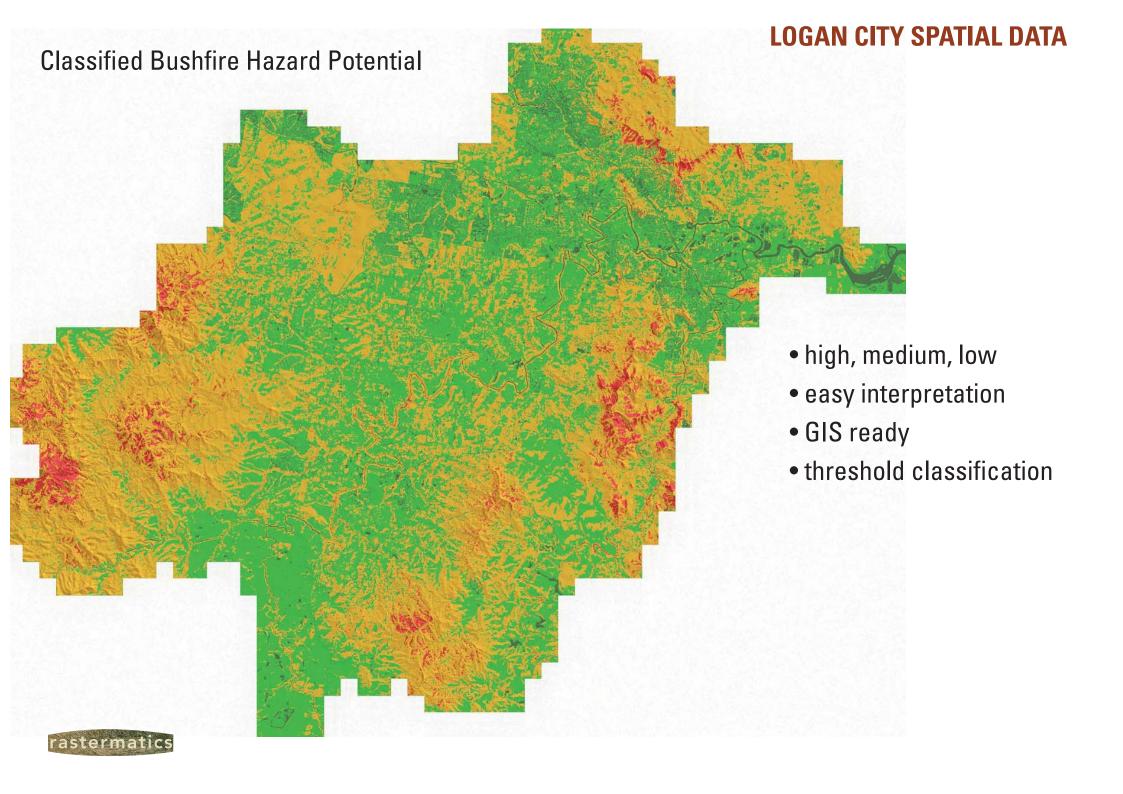


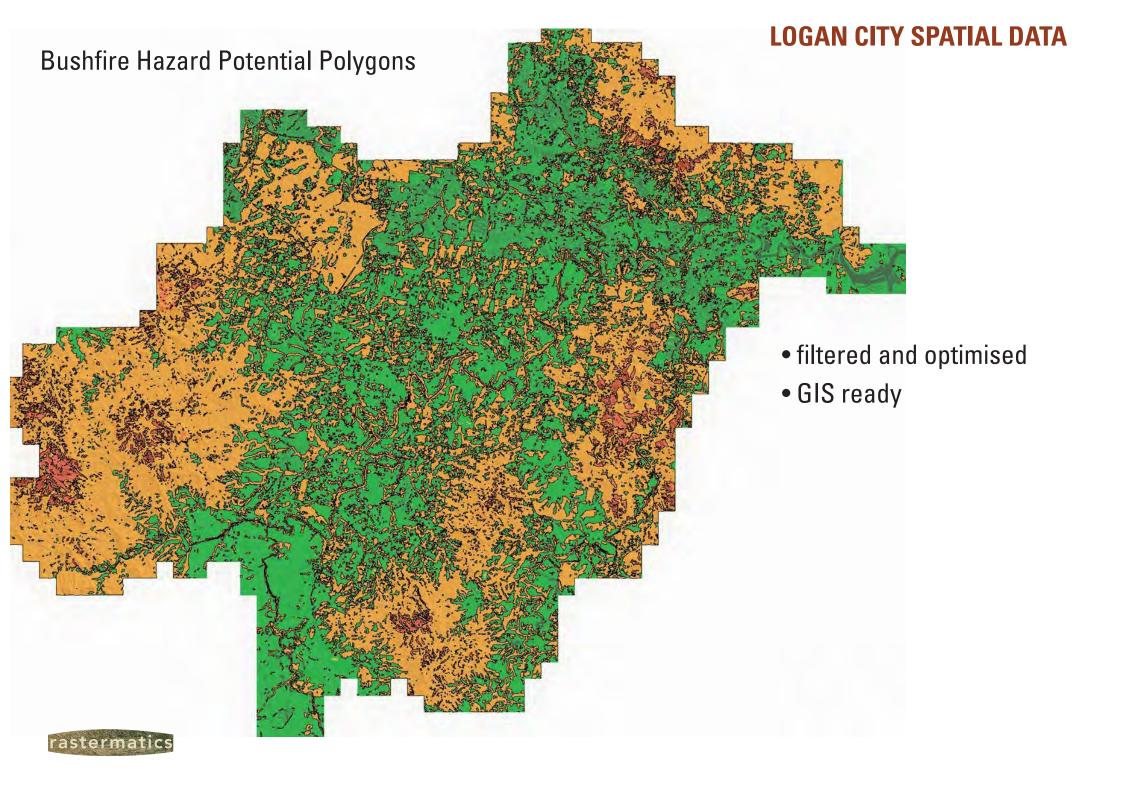


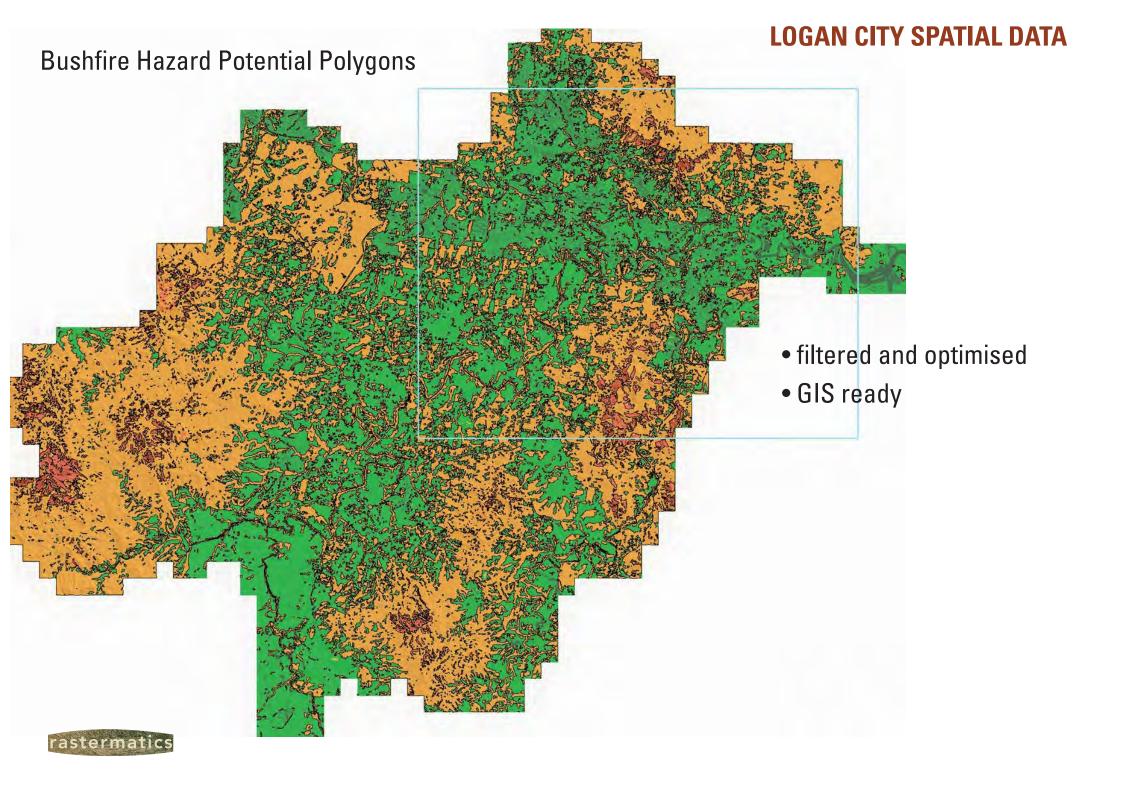




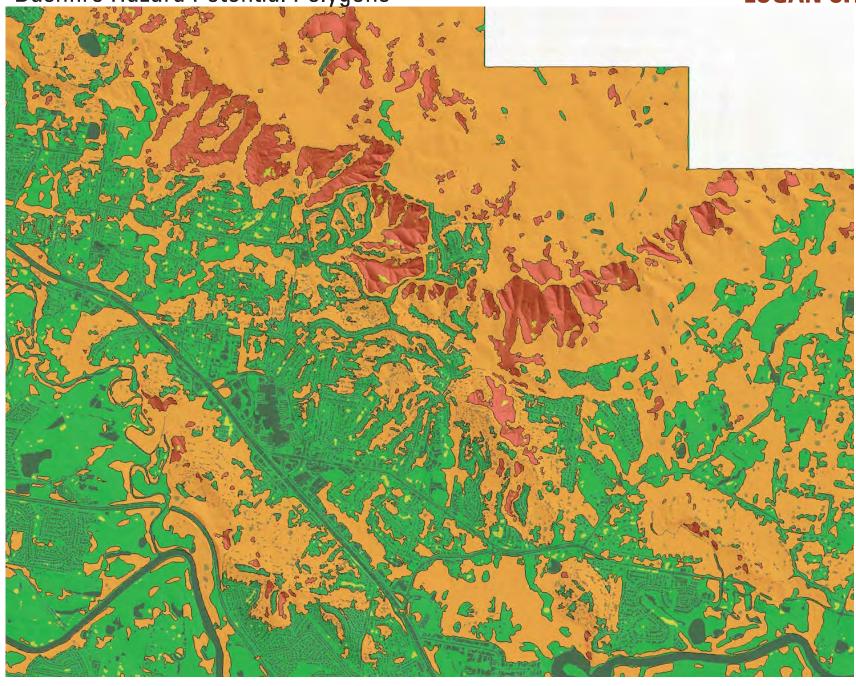


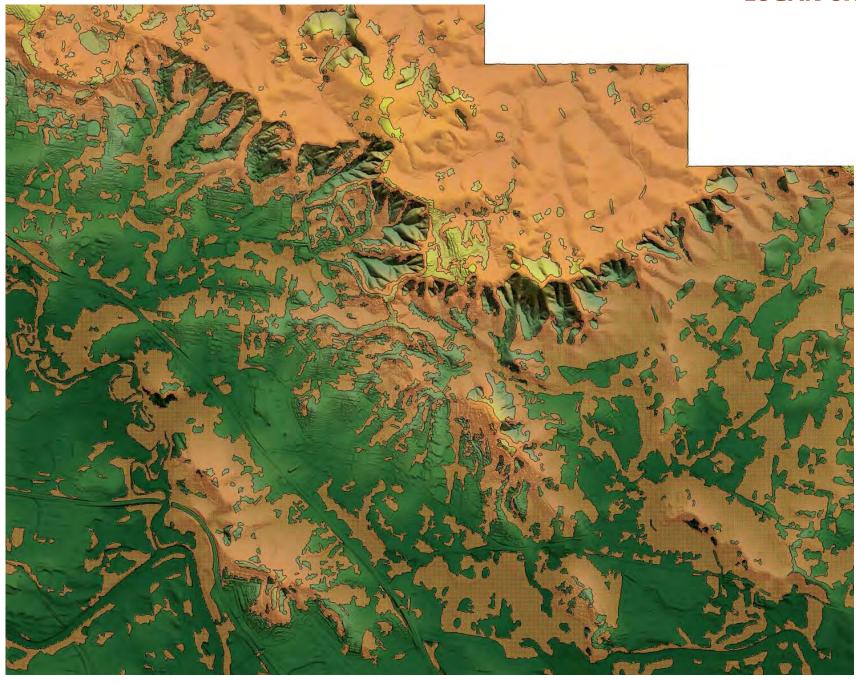


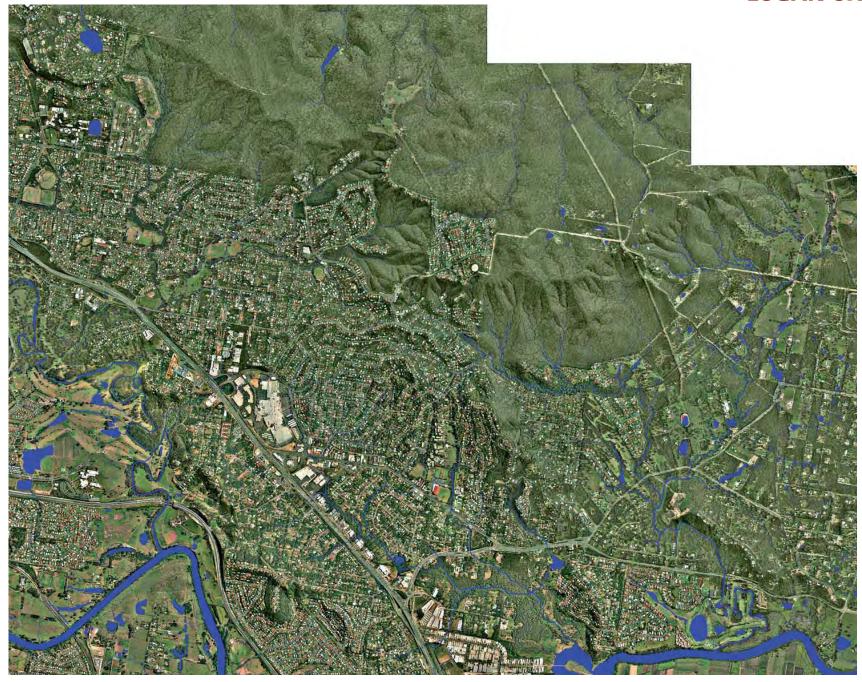


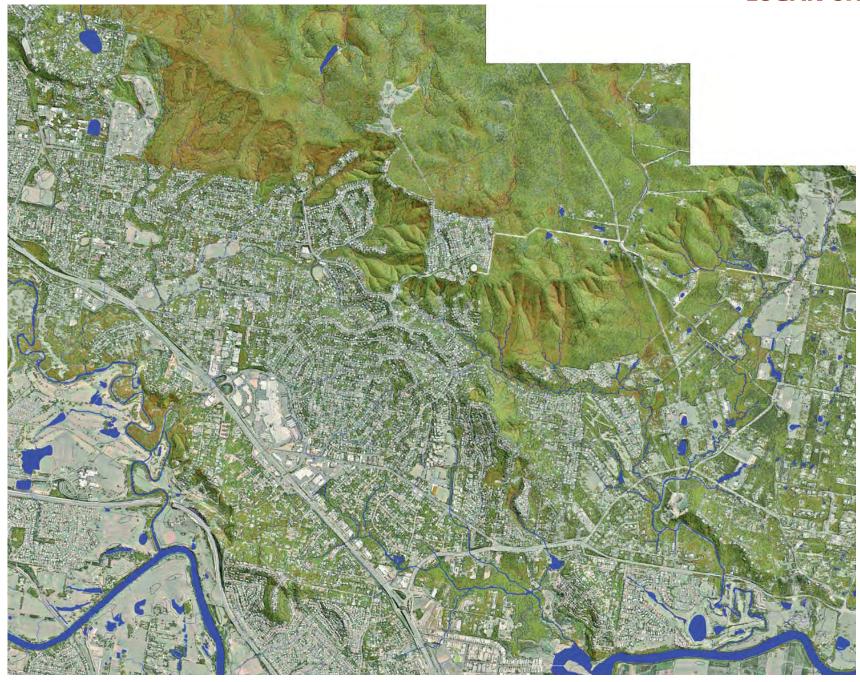


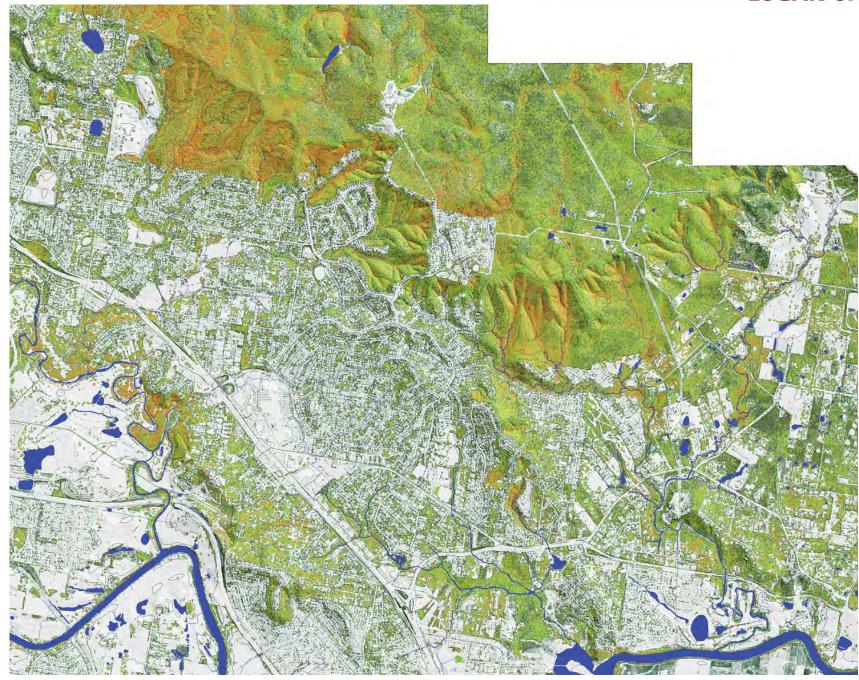
Bushfire Hazard Potential Polygons **LOGAN CITY SPATIAL DATA** Bushfire Hazard Potential Polygons **LOGAN CITY SPATIAL DATA** Bushfire Hazard Potential Polygons

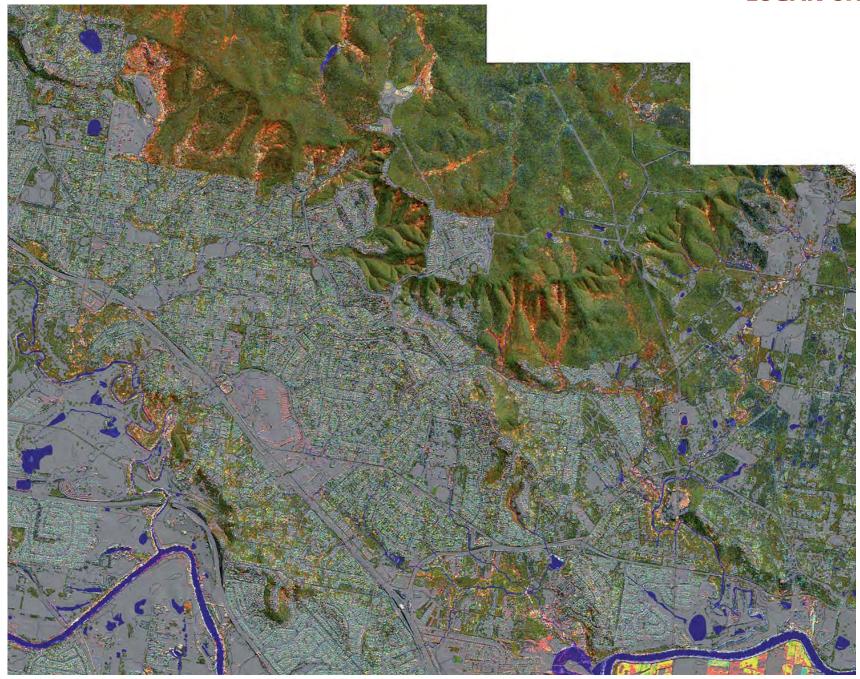


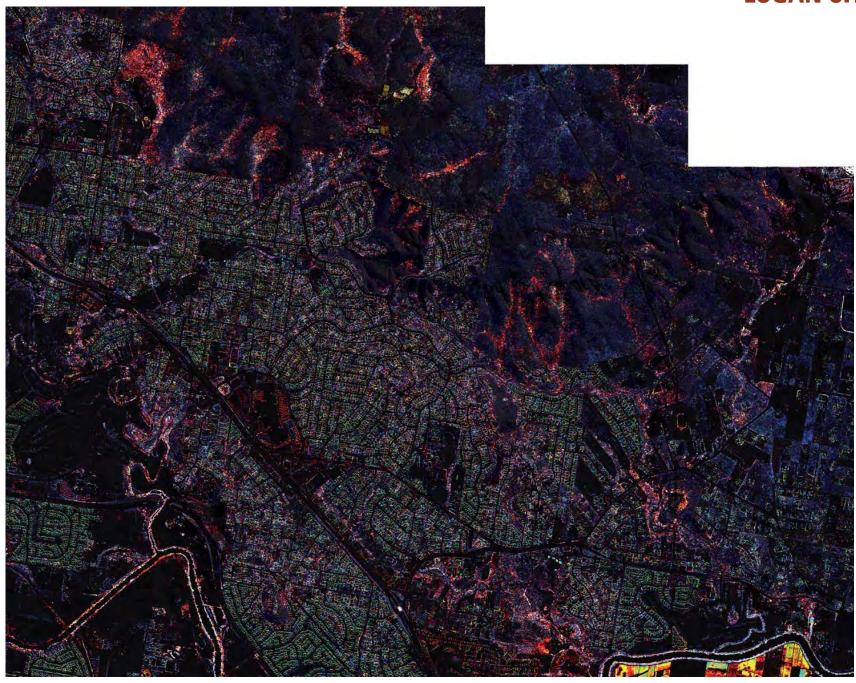


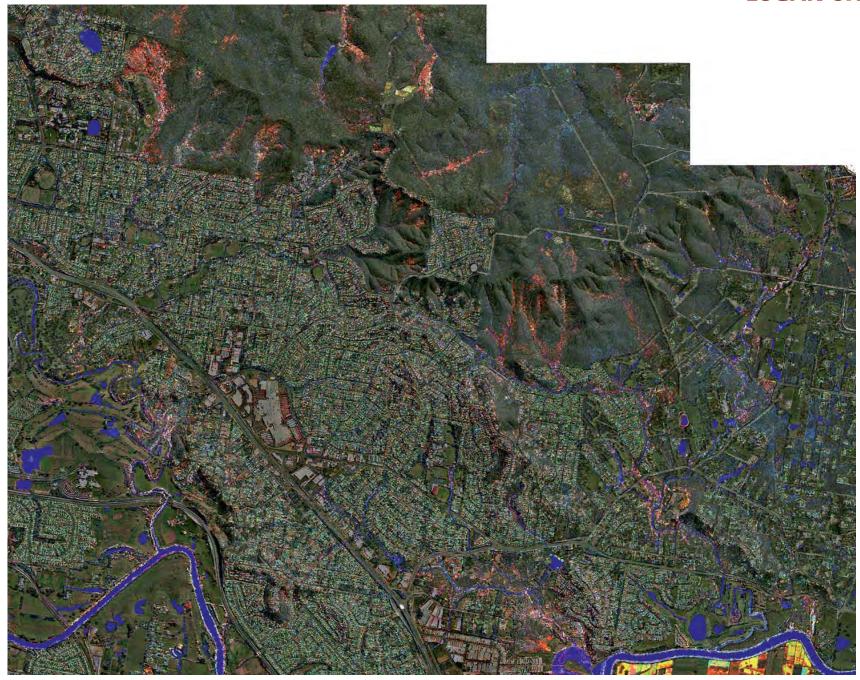


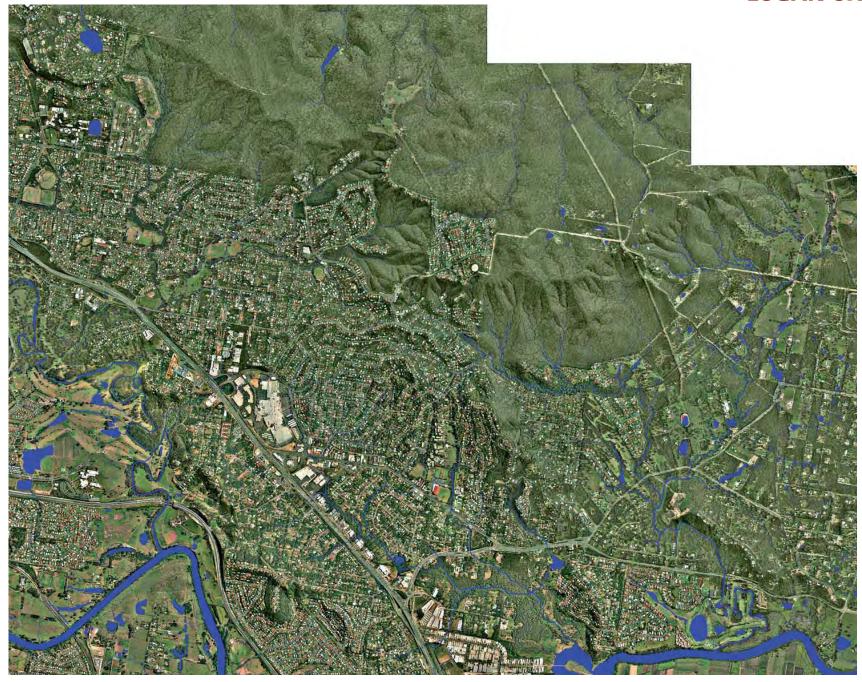


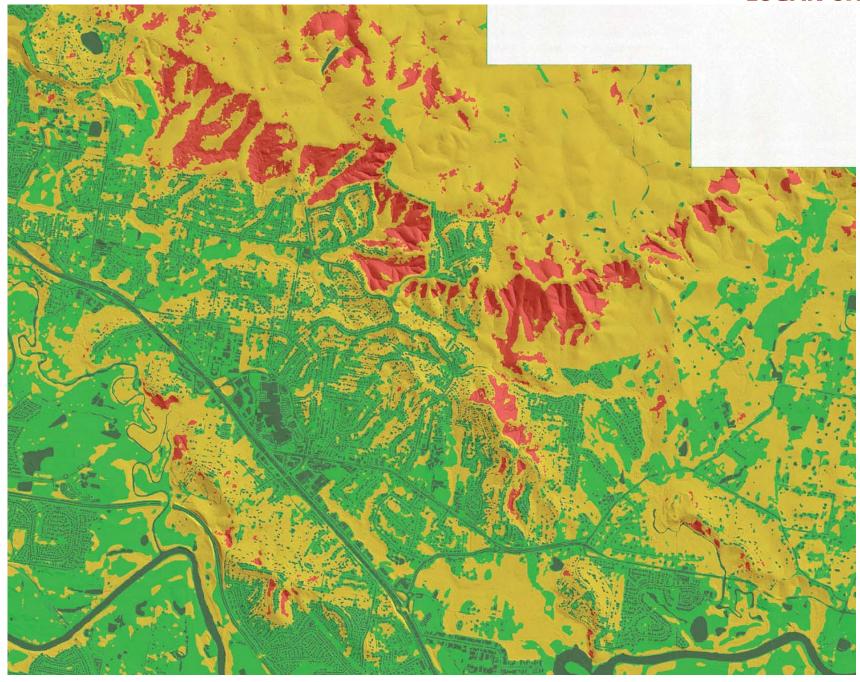


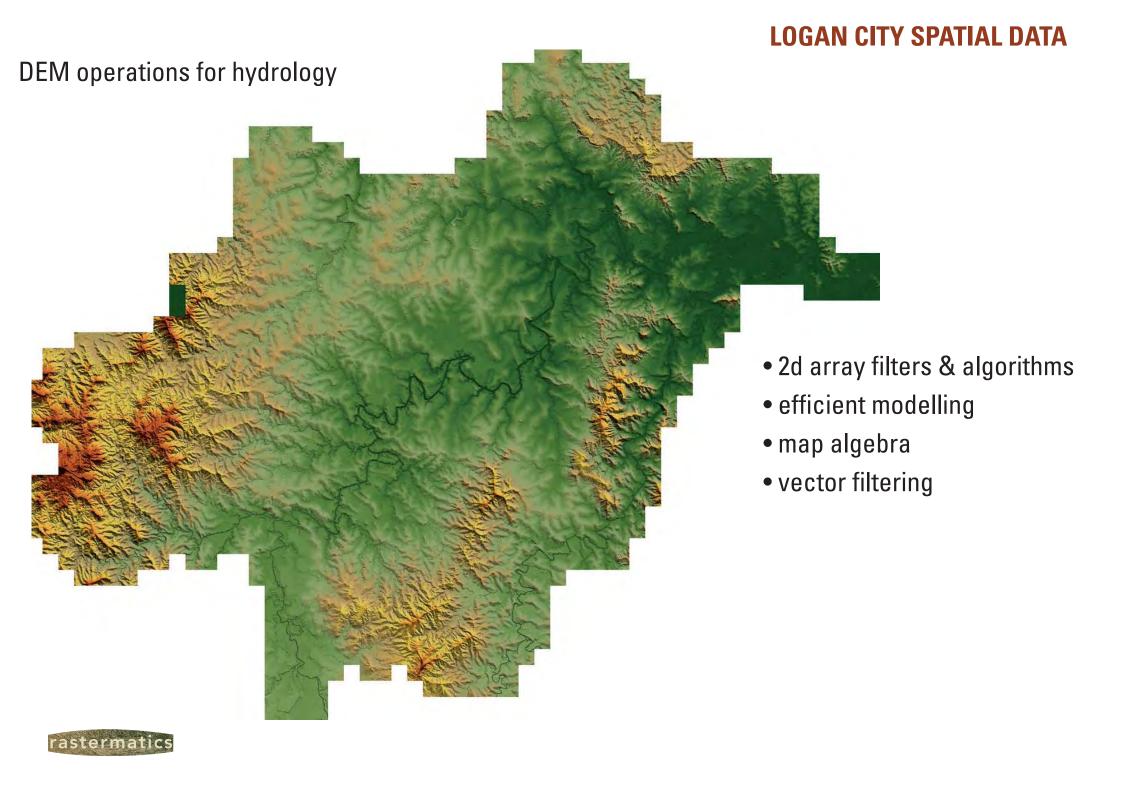


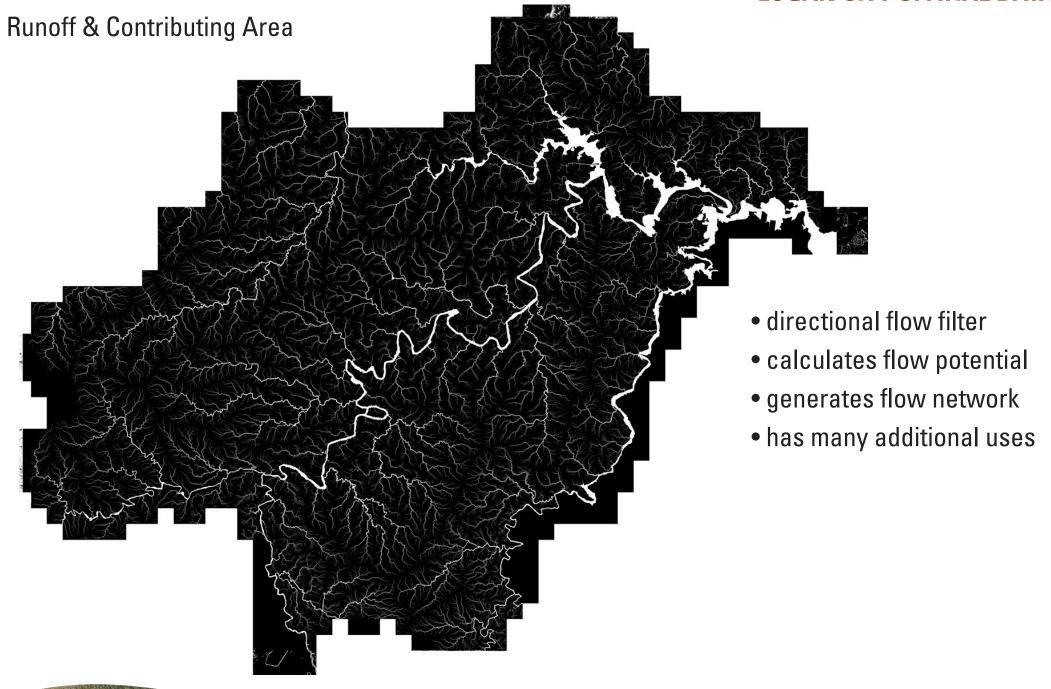


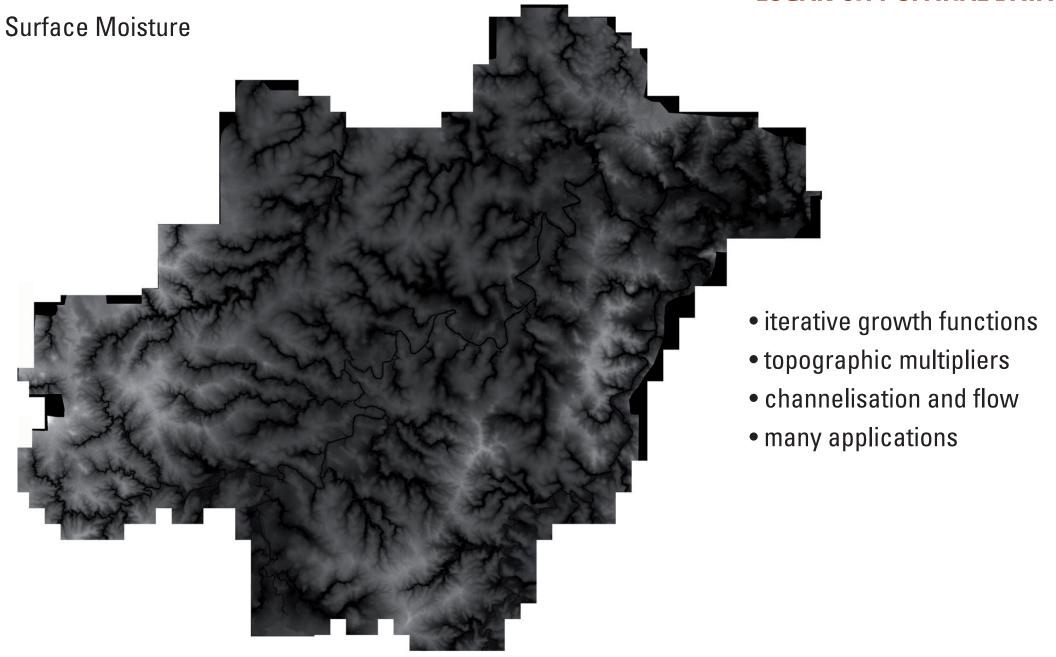




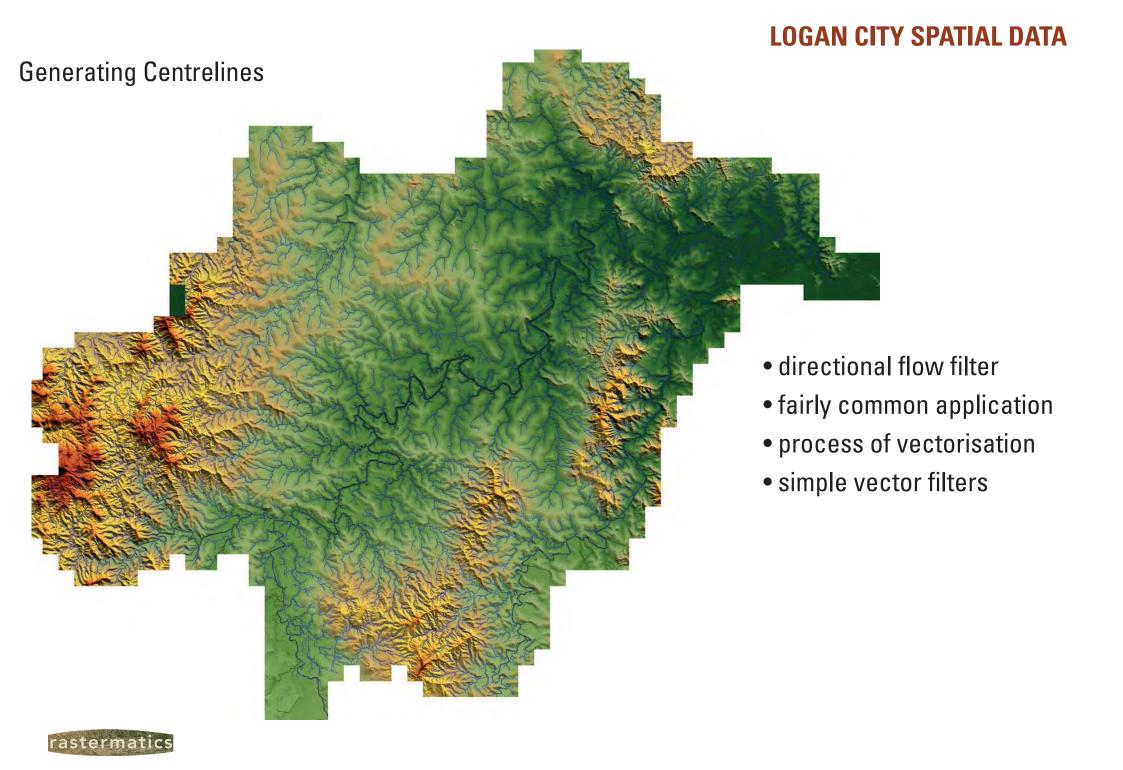


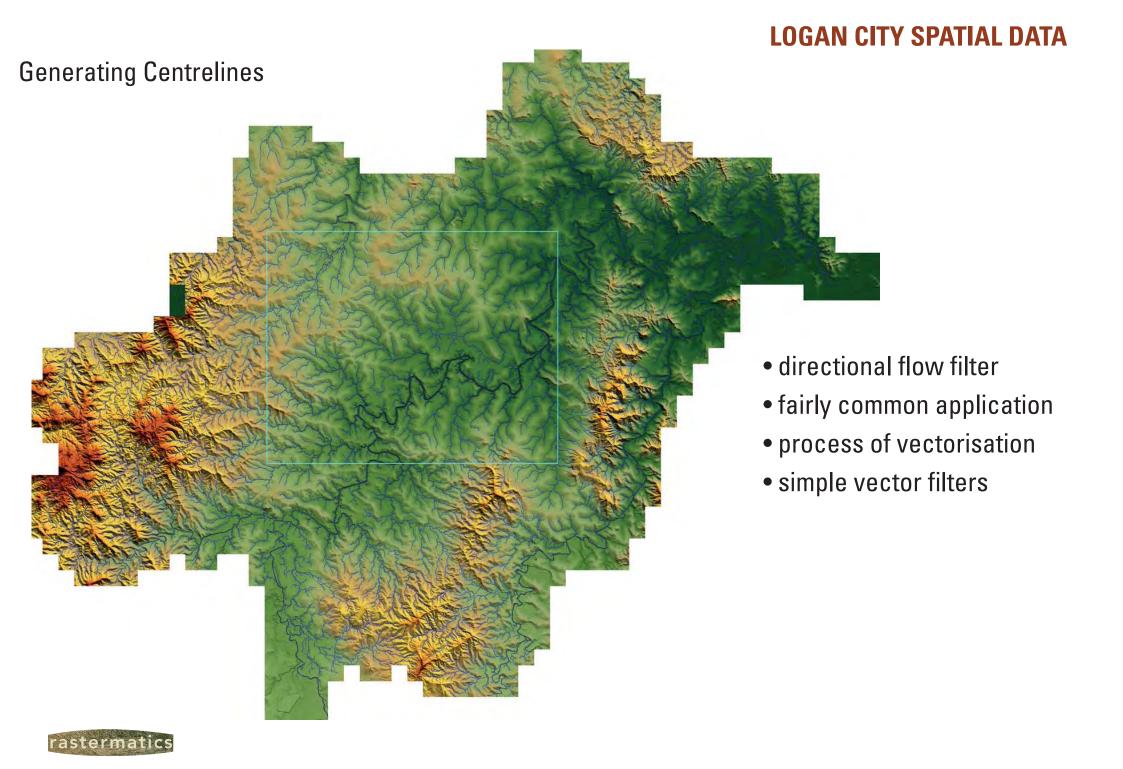




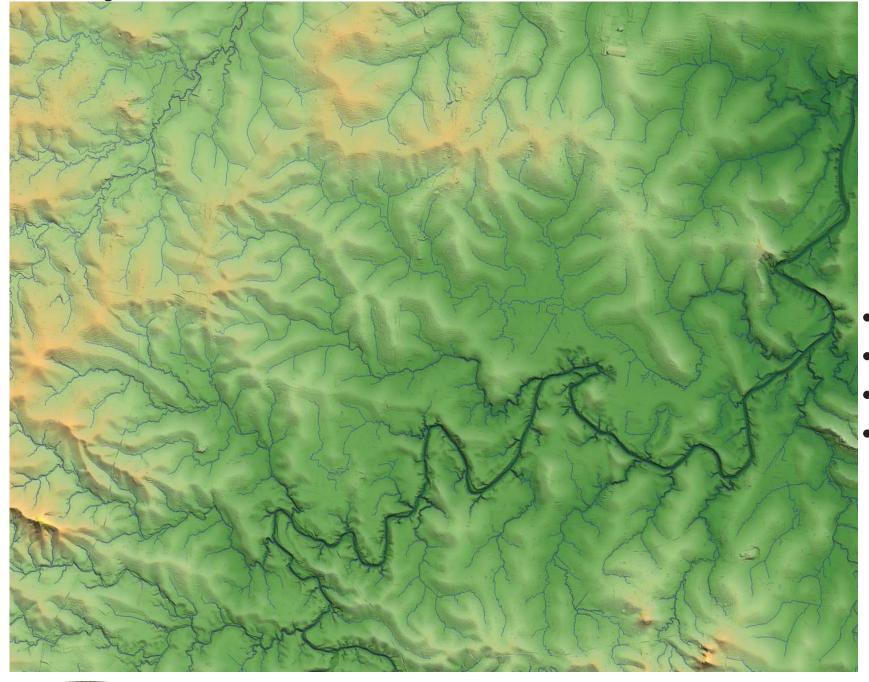






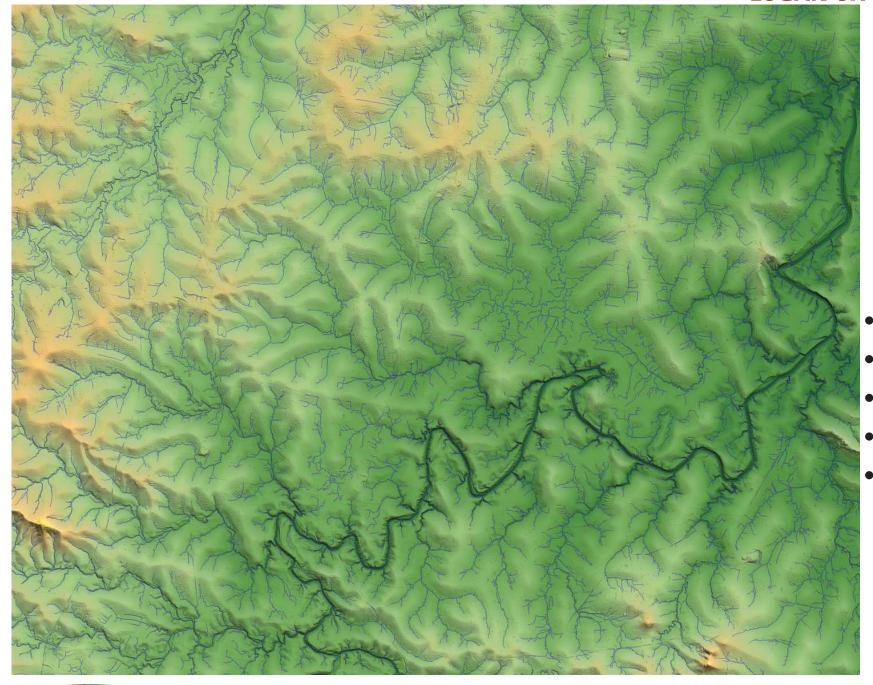


Generating Centrelines



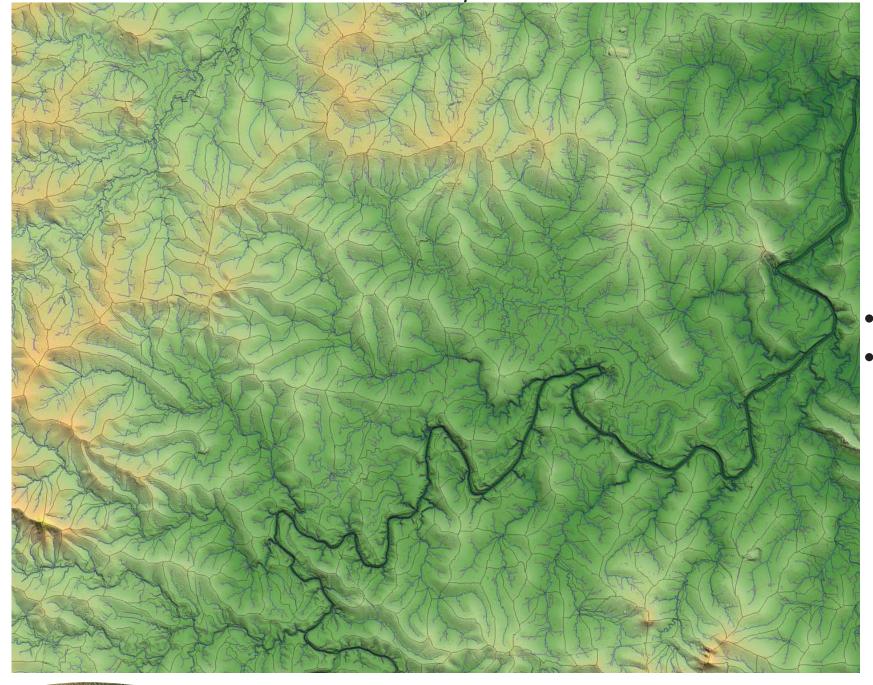
- >= 30 ha CA
- includes SO
- adaptive LD
- splines

Centrelines + Overland Flow Paths



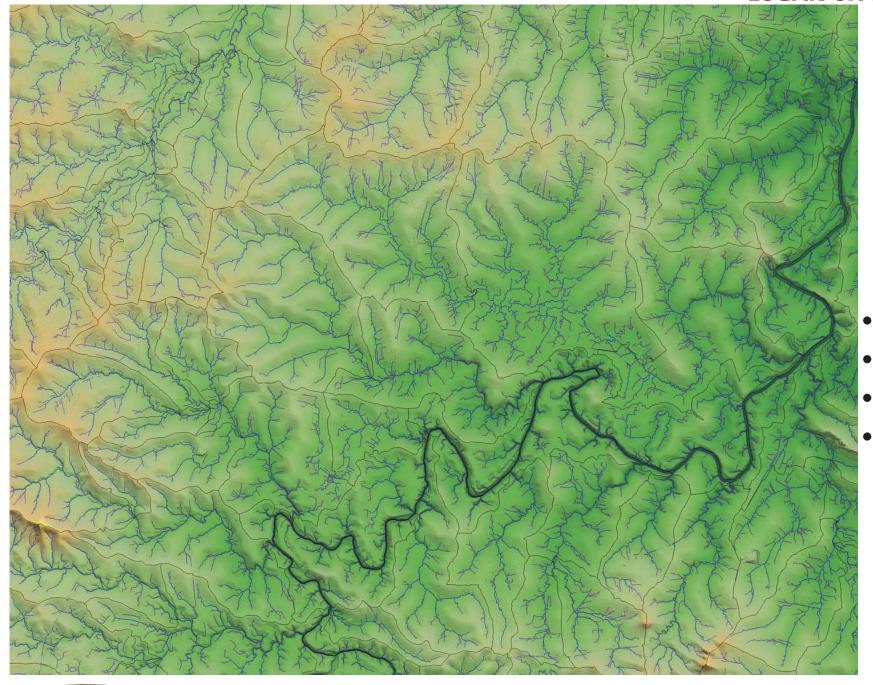
- >= 5 ha CA
- < 30 ha CA
- fit to SW network
- adaptive LD
- splines

Centrelines + Overland Flow Paths + Primary Basins



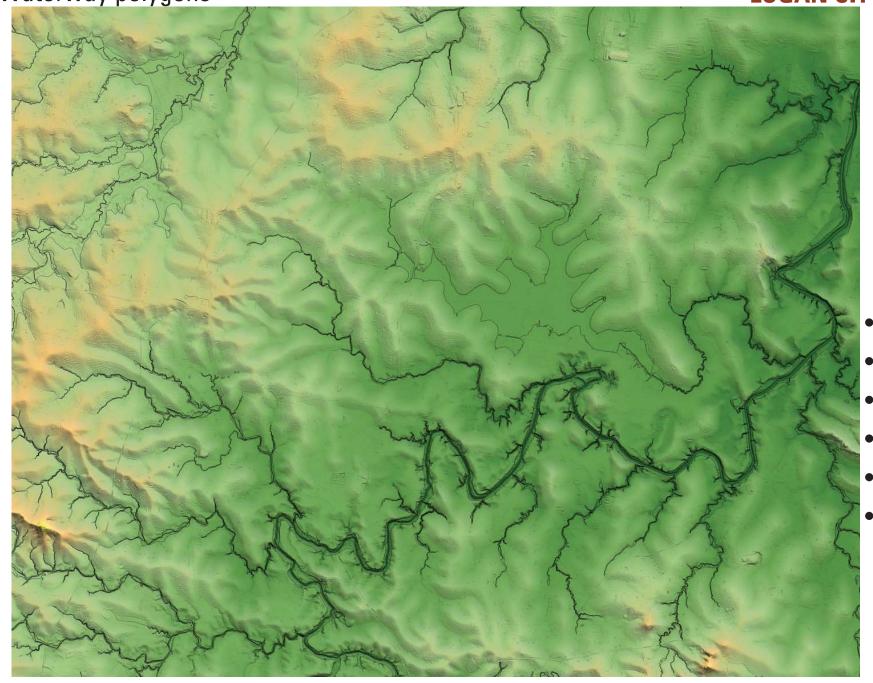
- Initially 30 ha max
- combined to PB

Centrelines + Overland Flow Paths + Sub-Catchments



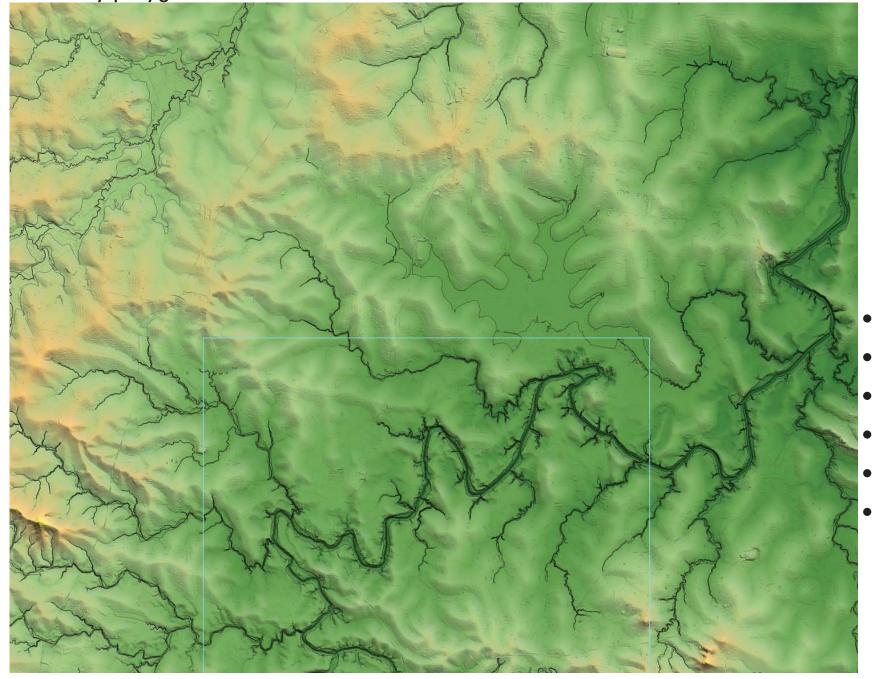
- Initially 30 ha max
- primary basins
- sub-catchments
- creek catchments

Waterway polygons LOGAN CITY SPATIAL DATA



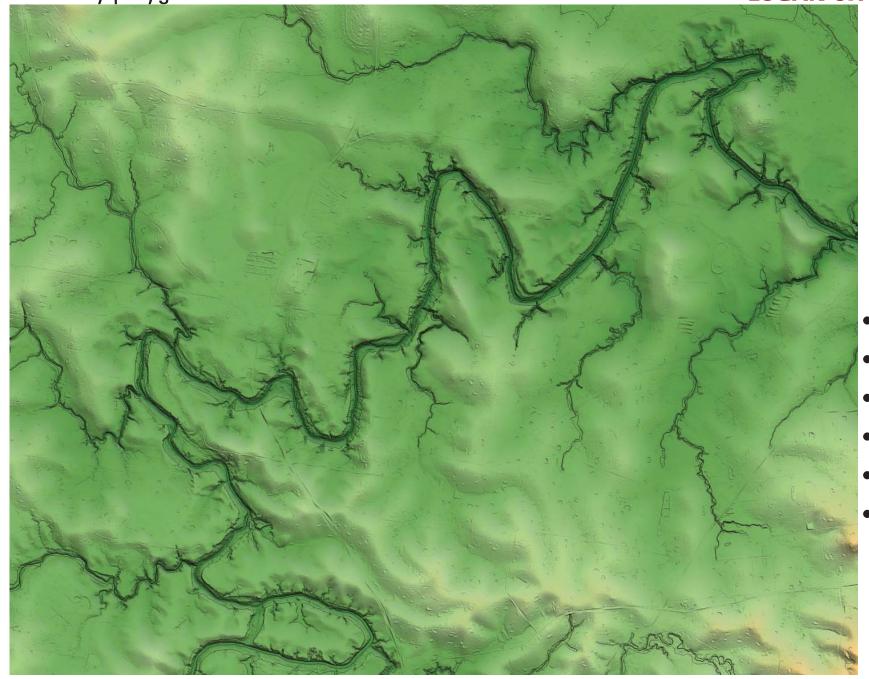
- RM models
- low bank
- high bank
- channelisation
- slope
- varience

Waterway polygons LOGAN CITY SPATIAL DATA



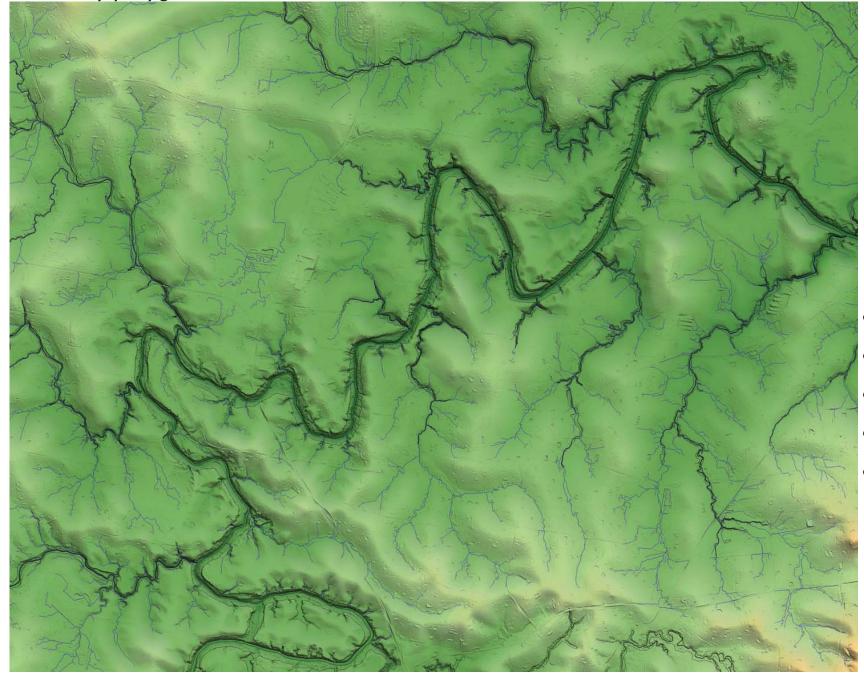
- RM models
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Waterway polygons LOGAN CITY SPATIAL DATA



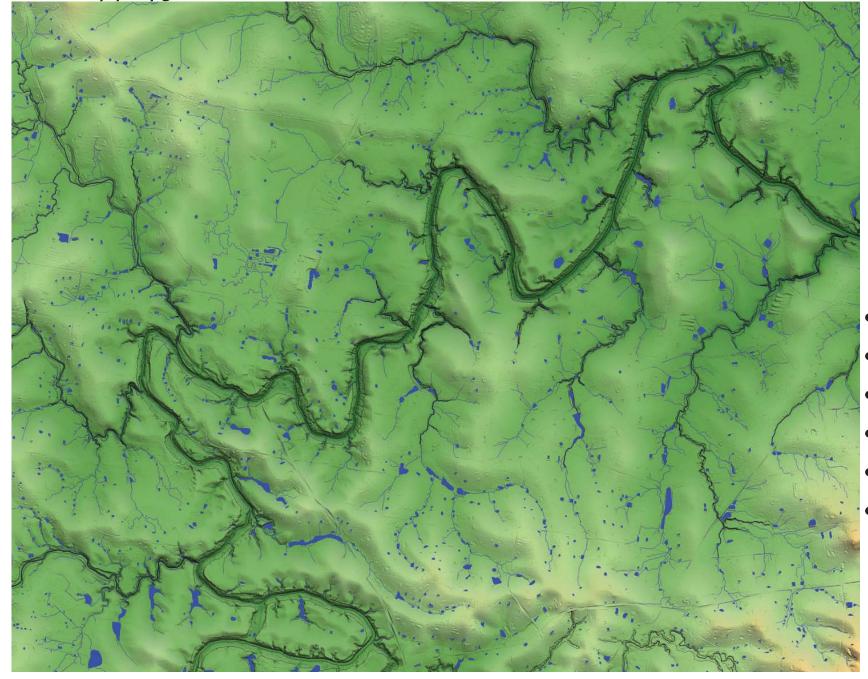
- RM models
- low bank
- high bank
- channelisation
- slope
- varience

Waterway polygons + Centrelines + OFP



- RM models
- low bank
- high bank
- centrelines
- OFP

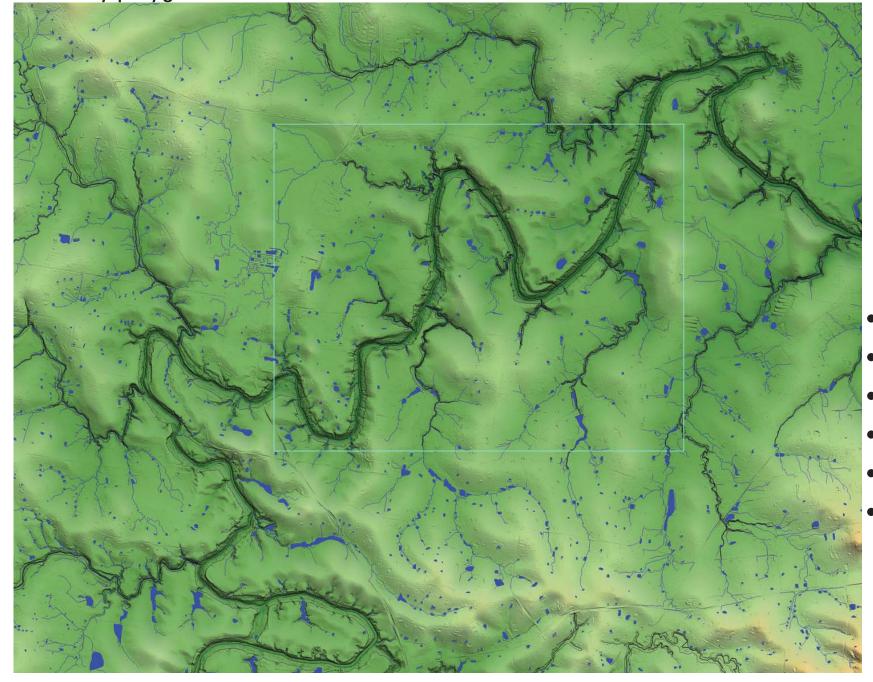
Waterway polygons + Centrelines + OFP + Waterbodies



- RM models
- low bank
- high bank
- centrelines
- 0FP
- waterbodies

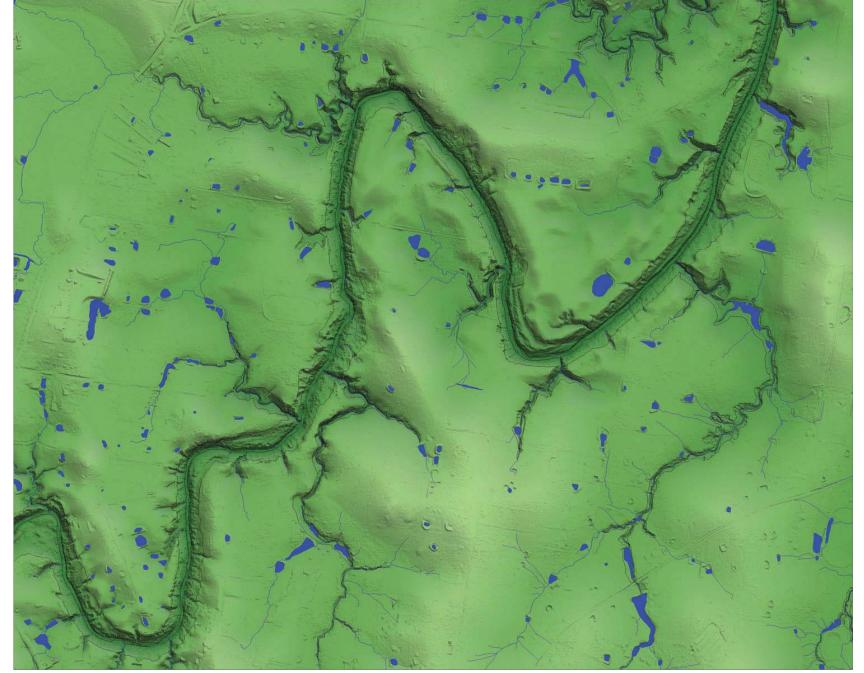
Waterway polygons + Centrelines + OFP + Waterbodies





- RM models
- low bank
- high bank
- centrelines
- 0FP
- waterbodies

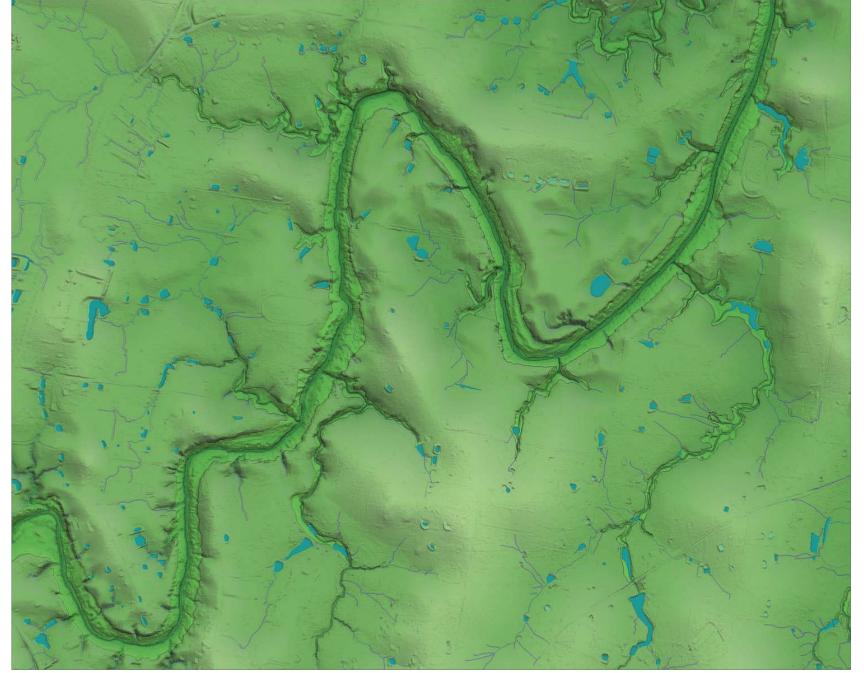
Waterway polygons + Centrelines + OFP + Waterbodies



- RM models
- low bank
- high bank
- centrelines
- OFP
- waterbodies

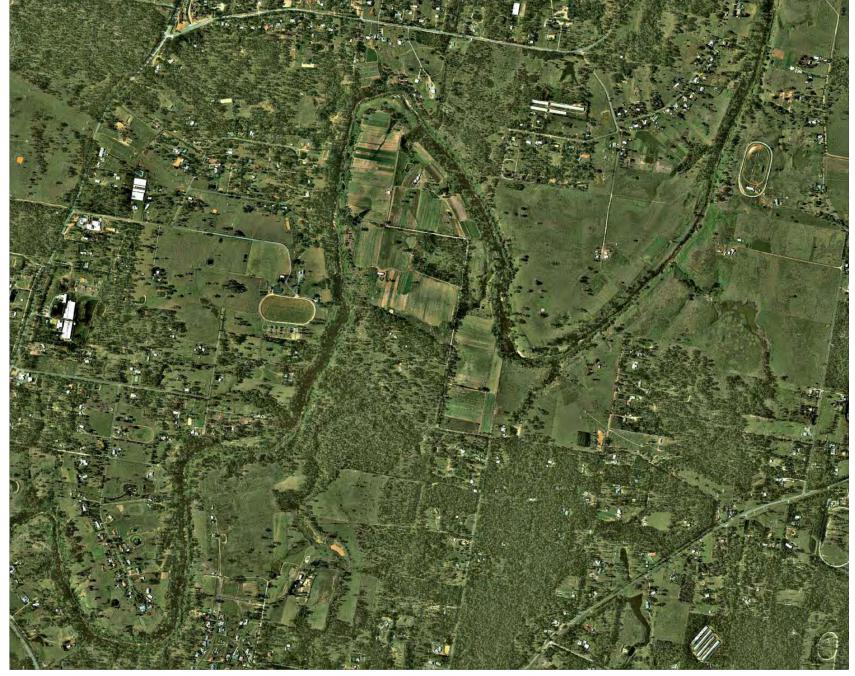
Waterway polygons + Centrelines + OFP + Waterbodies





- RM models
- low bank
- high bank
- centrelines
- OFP
- waterbodies

Logan City 2009 Aerial LOGAN CITY SPATIAL DATA



- Reference image
- rural residential

Logan City 2009 Aerial + Digital Canopy Model



- Reference image
- LiDAR DCM

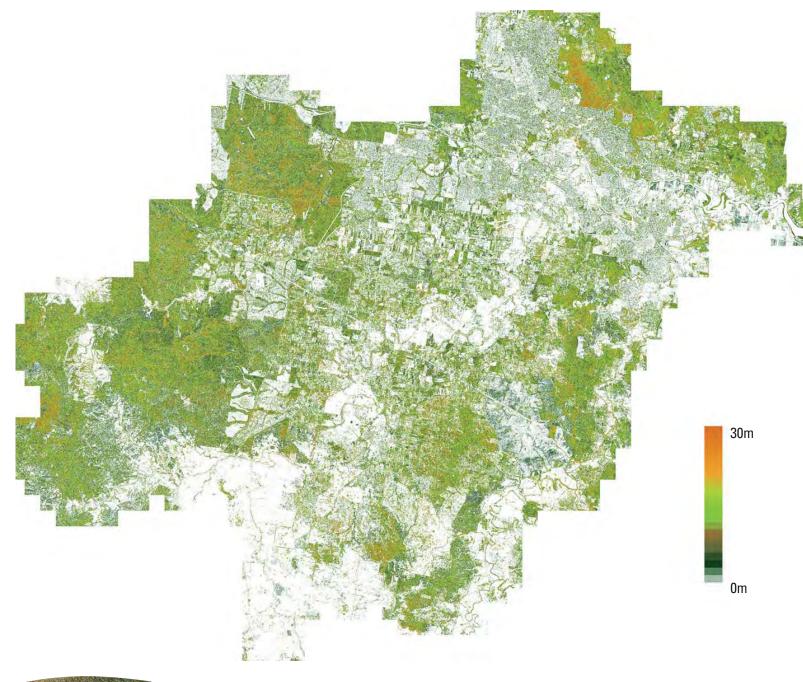
Logan City 2009 Digital Canopy Model





- LiDAR DCM
- Tree heights
- Tree coverage

Logan City 2009 Digital Canopy Model



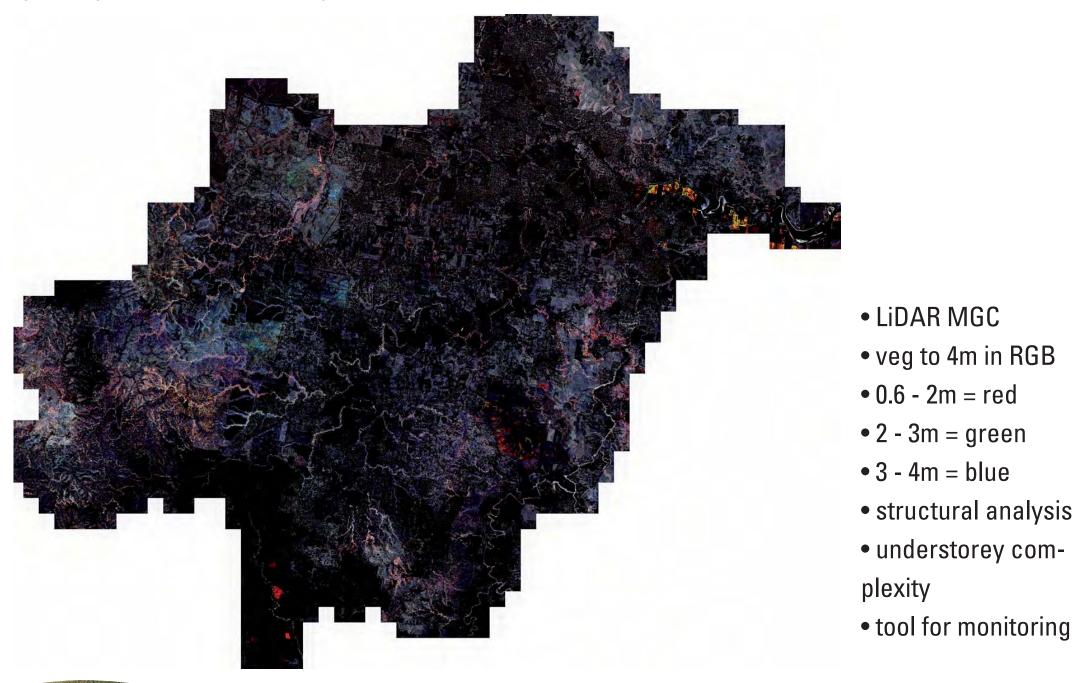
- LiDAR DCM
- Tree heights
- Tree coverage
- City wide cover

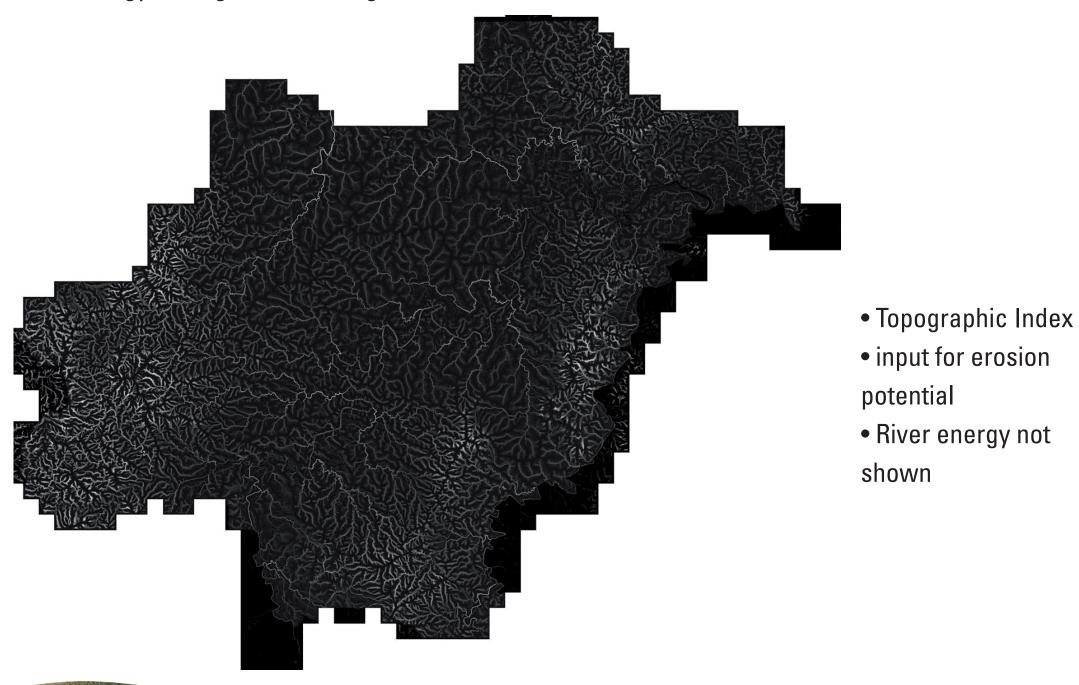


Logan City 2009 Digital Canopy Model (grey scale)

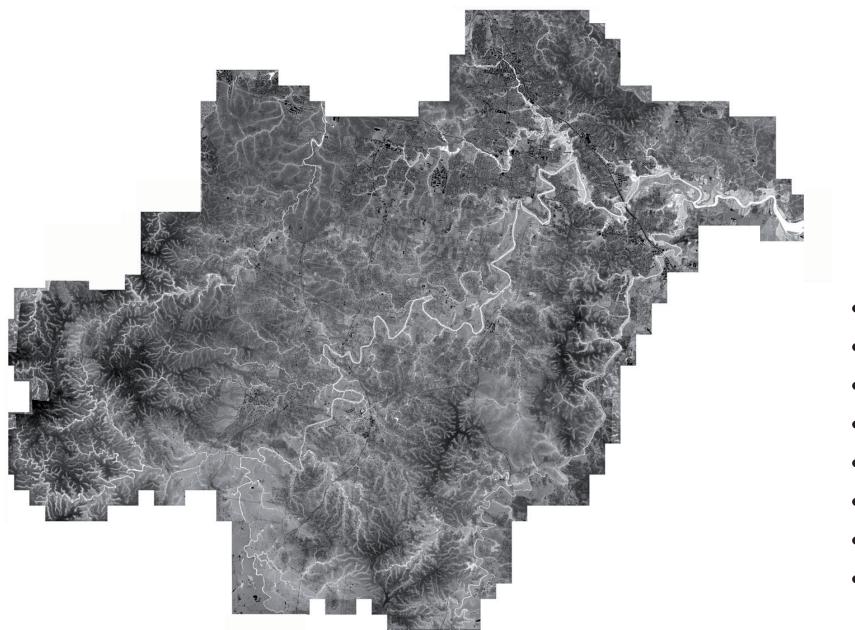


- LiDAR DCM
- tree heights
- tree coverage
- city wide cover
- many applications





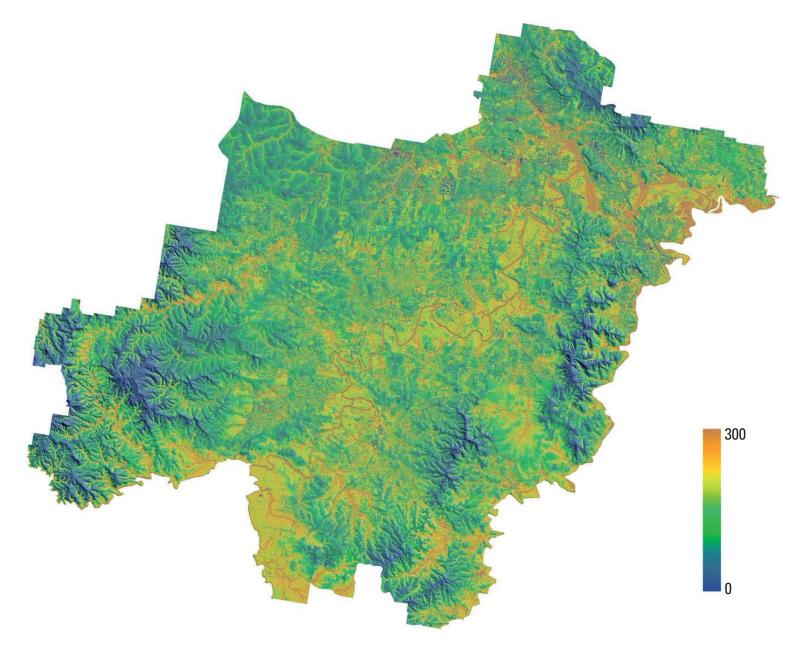
Logan City Erodability Index



- kinetic energy
- Soils
- Land classification
- Slope & CA
- Landcover
- Based on RUSLE
- Erodabilty score
- 0 300



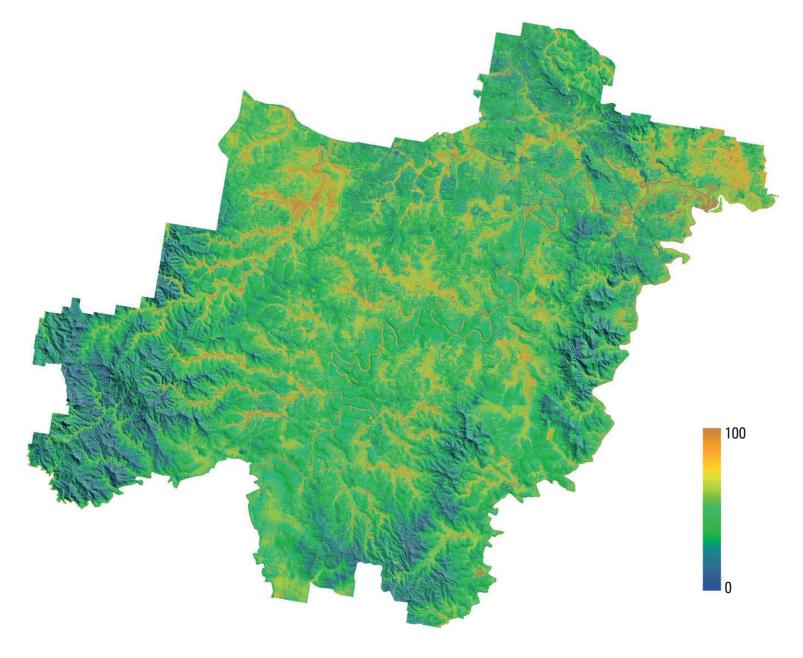
Logan City Erodability Index



- kinetic energy
- Soils
- Land classification
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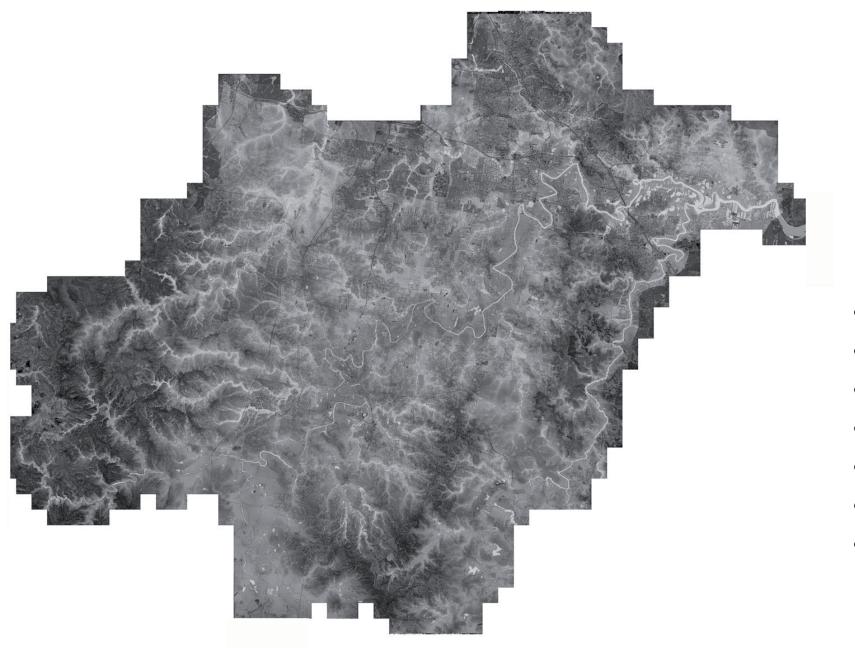
Logan City Initial Absorption Factor



- topography
- surface moisture
- landcover
- tool for runoff calc
- flood modelling
- 0 100



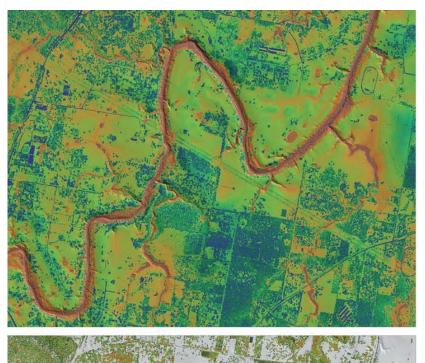
Logan City Initial Absorption Factor (grey scale)

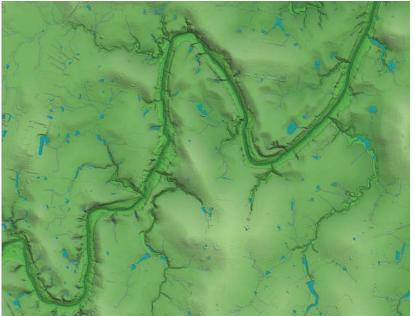


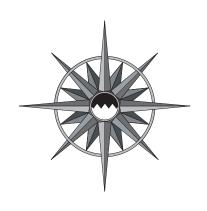
- topography
- surface moisture
- contributing area
- landcover
- tool for runoff calc
- flood modelling
- 0 100



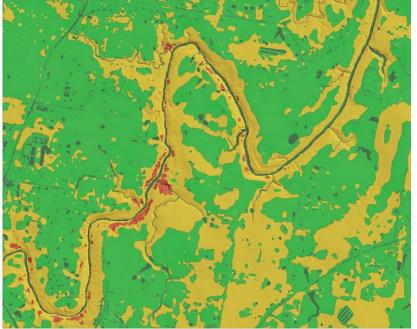
Questions? LOGAN CITY SPATIAL DATA











- Bushfire Hazard
- Waterways
- Centrelines
- Catchments
- DCM
- MGC
- Erodability
- Initial Absorption

