



Spatial Intelligence

Grain Silo Industry

CROP PRODUCTION INFORMATION

Presented by: E du Preez

Business Intelligence
Enhanced by
Spatial Information



Spatial Intelligence

The Climate Corporation



- Founded in 2006
- Mapped all 25m fields in USA
- Overlaid weather data – 10 trillion weather sim
- Overlaid 150 billion soil samples

FieldScripts[®]



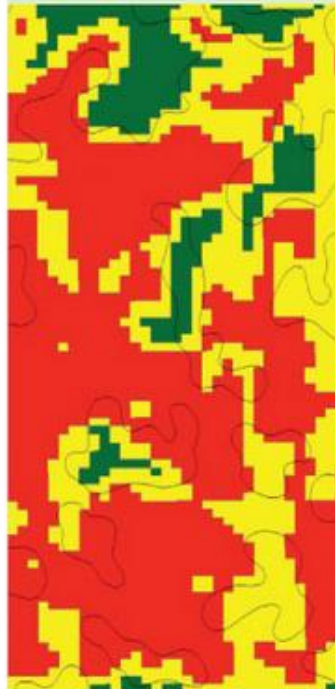
Soil Type

- 33000
- 36000



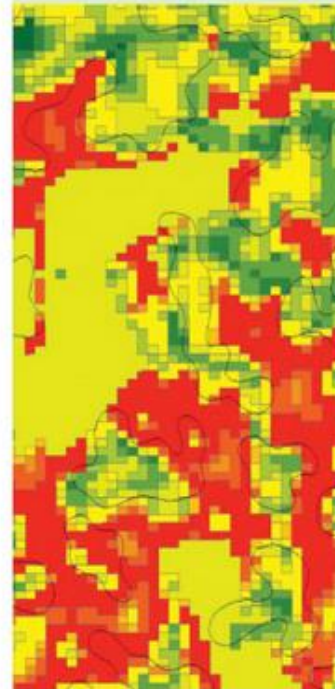
Normalized Yield

- 31000
- 34000
- 37000



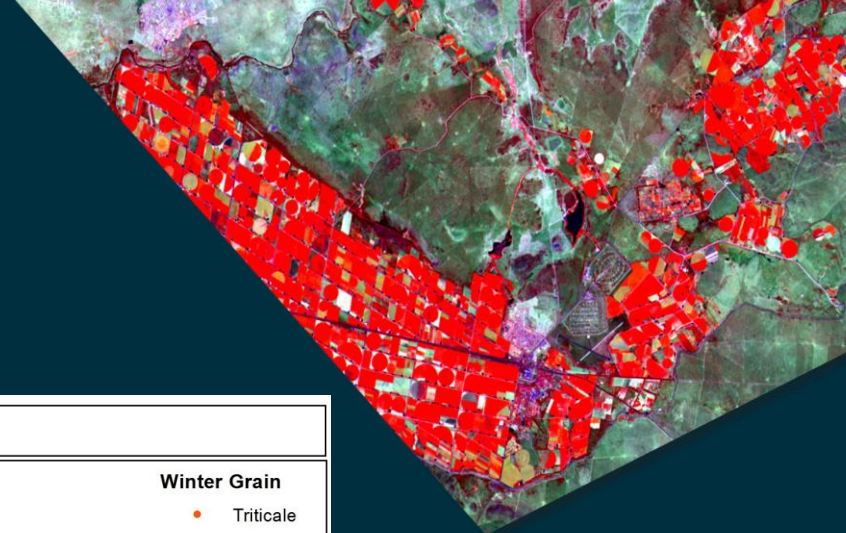
FieldScripts[®]

- 32000
- 32500
- 33000
- 33500
- 34000
- 36000
- 36500
- 37000
- 37500
- 38000



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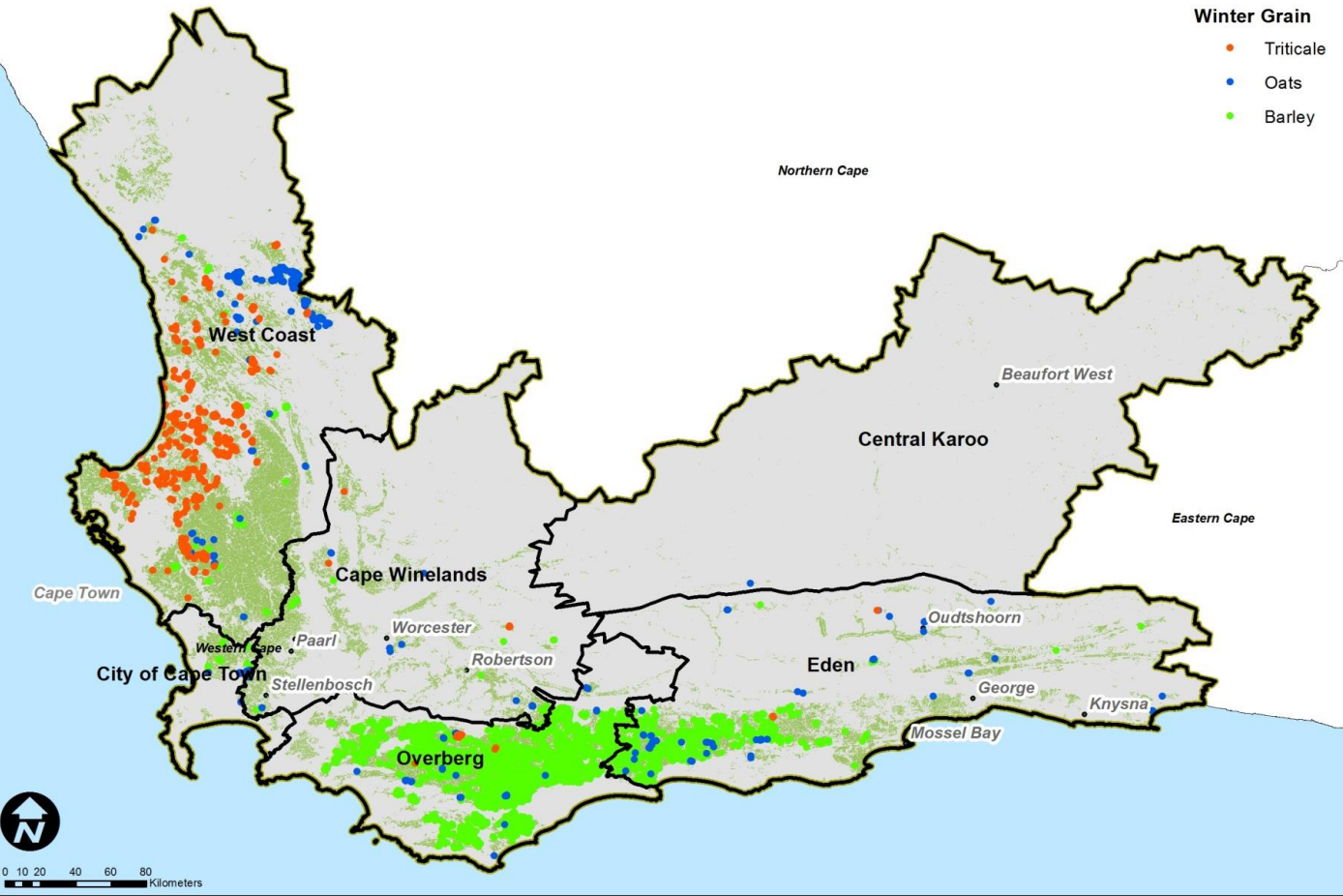
Census



Winter Grain

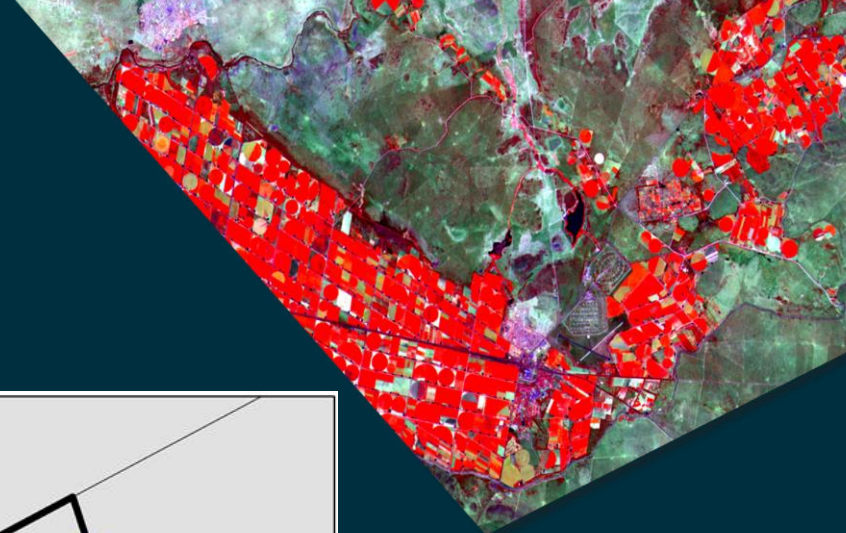
Winter Grain

- Triticale
- Oats
- Barley

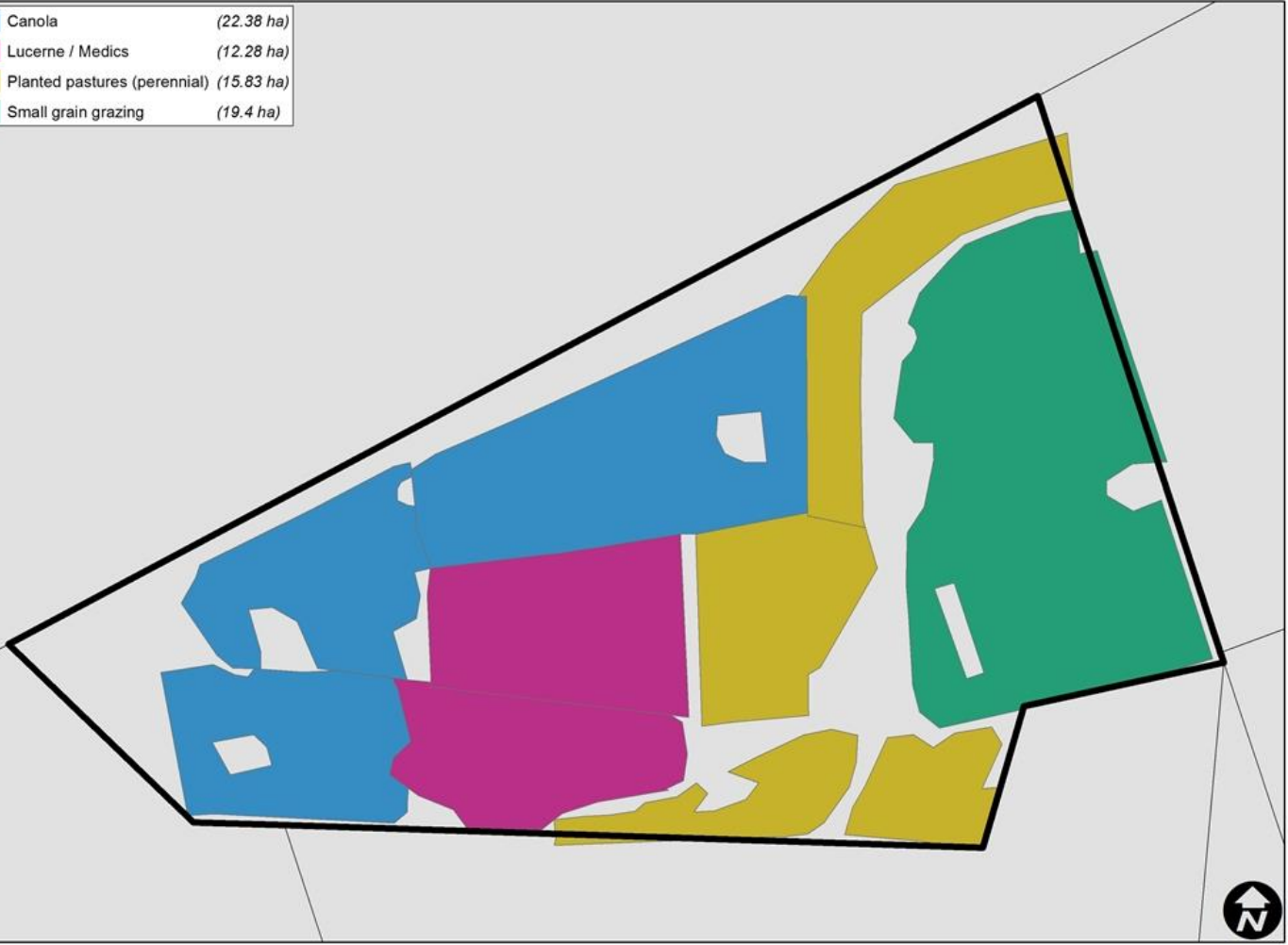


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Census

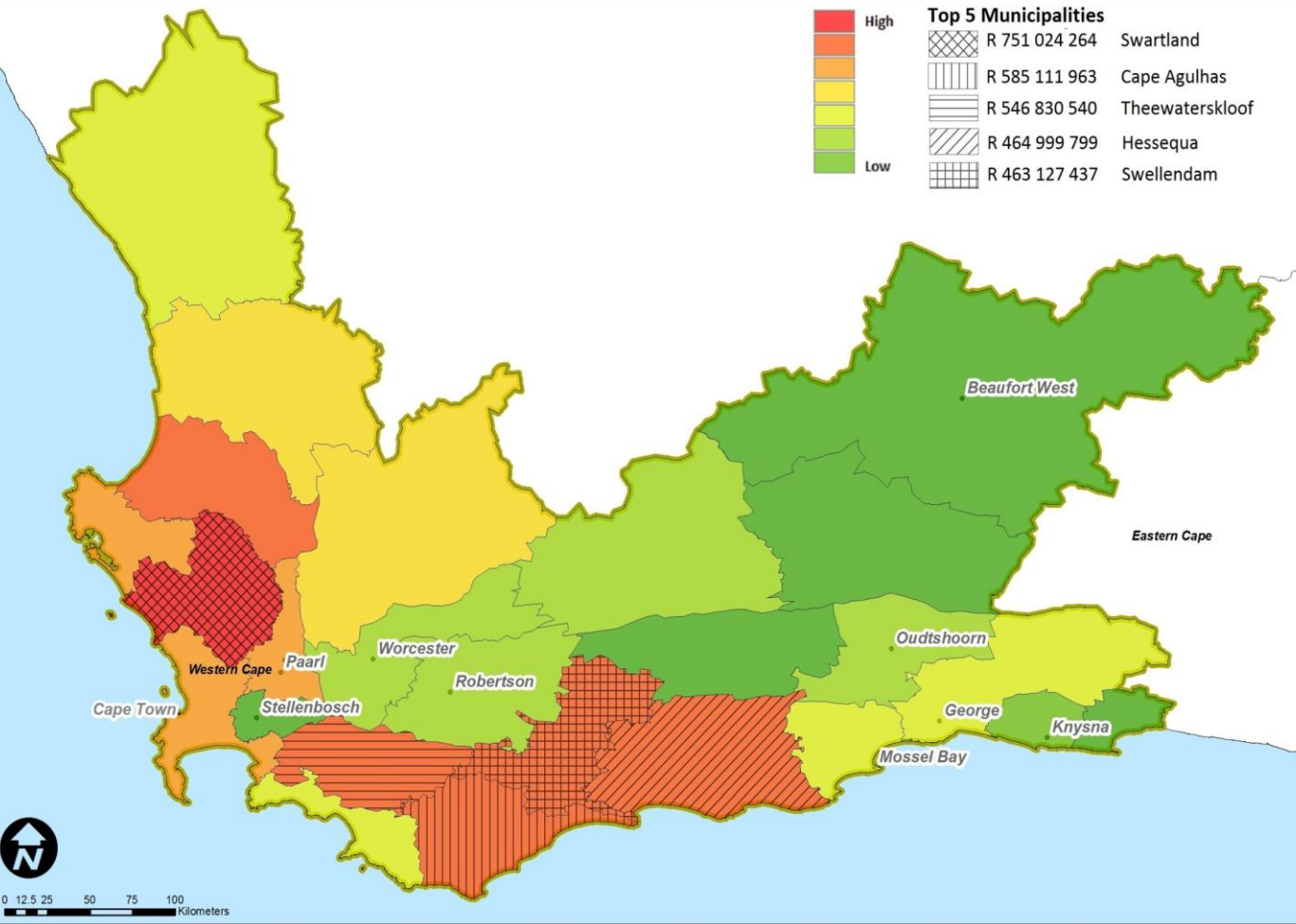


Canola	(22.38 ha)
Lucerne / Medics	(12.28 ha)
Planted pastures (perennial)	(15.83 ha)
Small grain grazing	(19.4 ha)

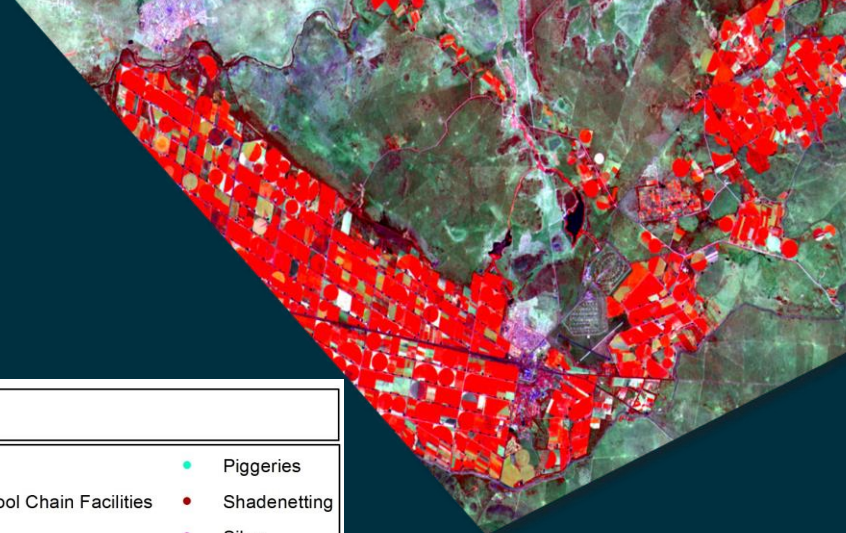


Census

Total Potential Production Value (Rands) For Grain and Oil Seeds

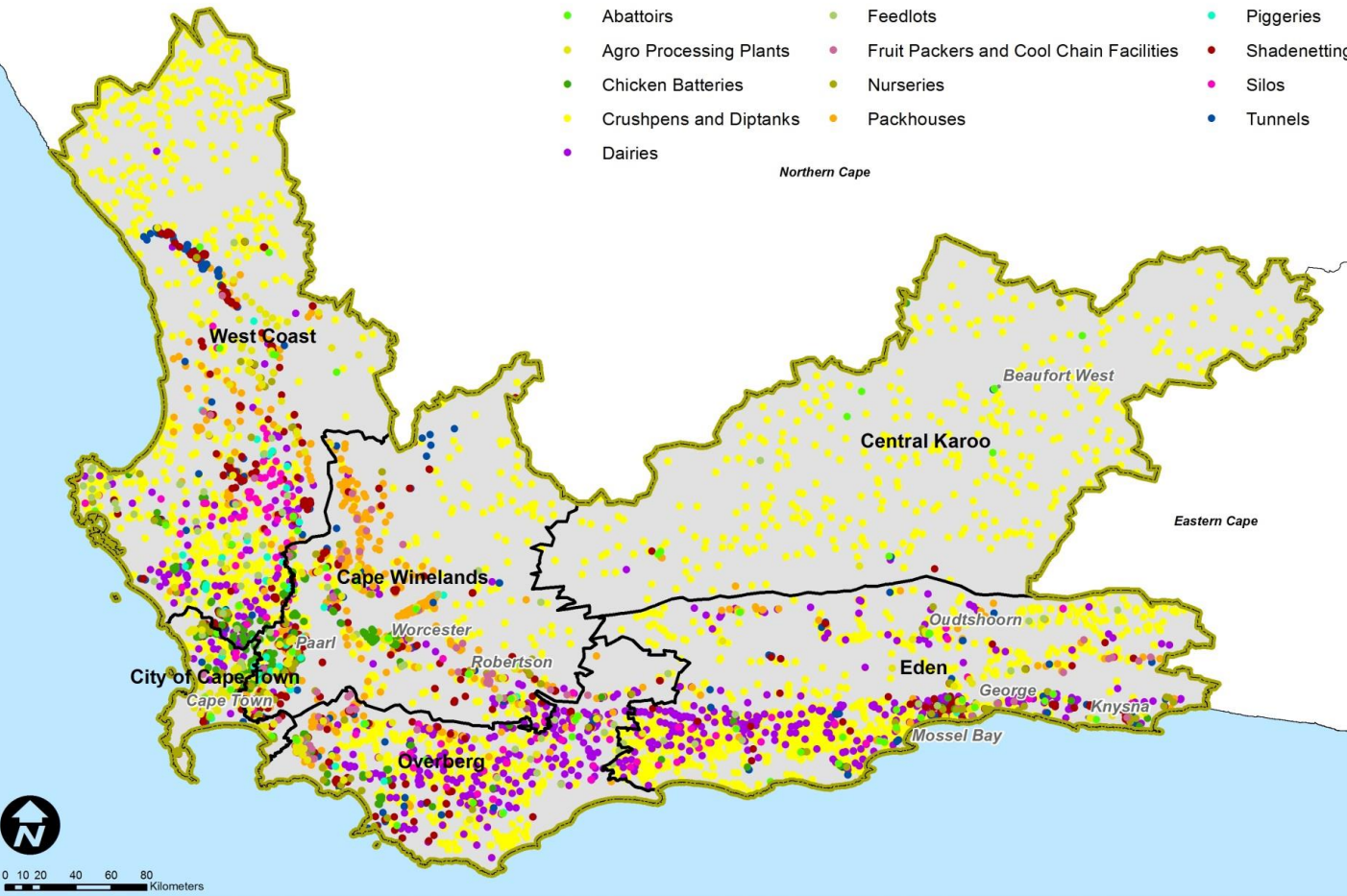


Census



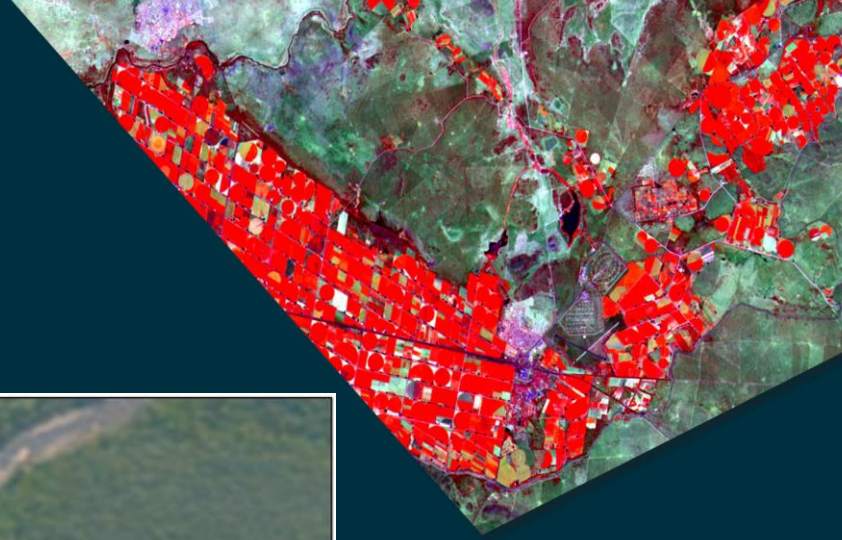
Agri Infrastructure

- Abattoirs
- Agro Processing Plants
- Chicken Batteries
- Crushpens and Diptanks
- Dairies
- Feedlots
- Fruit Packers and Cool Chain Facilities
- Nurseries
- Packhouses
- Piggeries
- Shadenetting
- Silos
- Tunnels



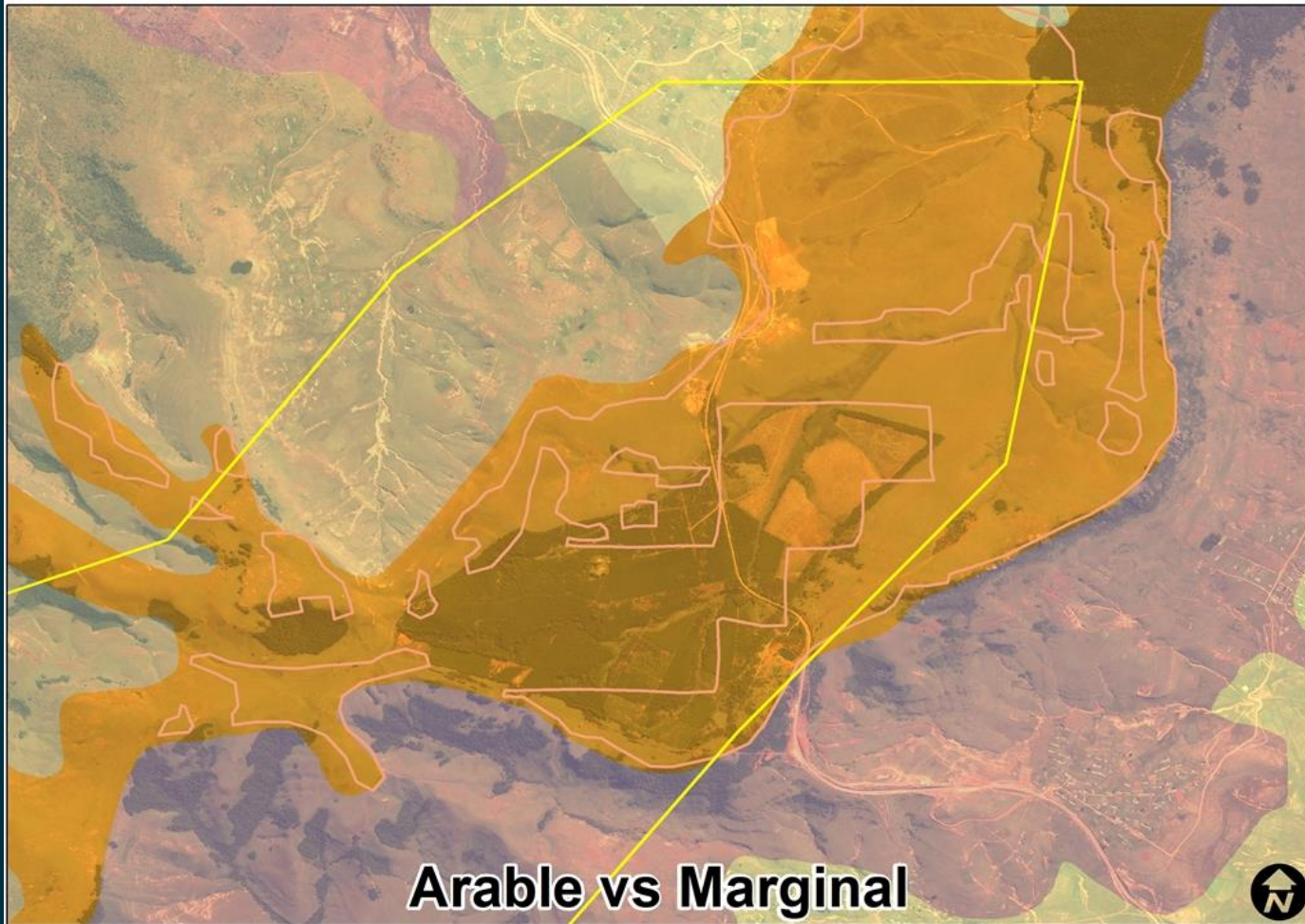
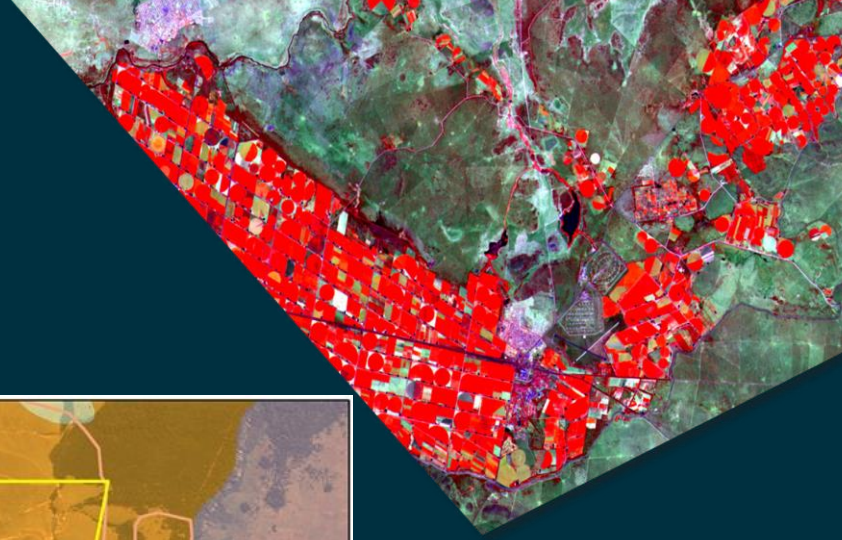
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Crop Expansion



Spatial Intelligence

Crop Expansion

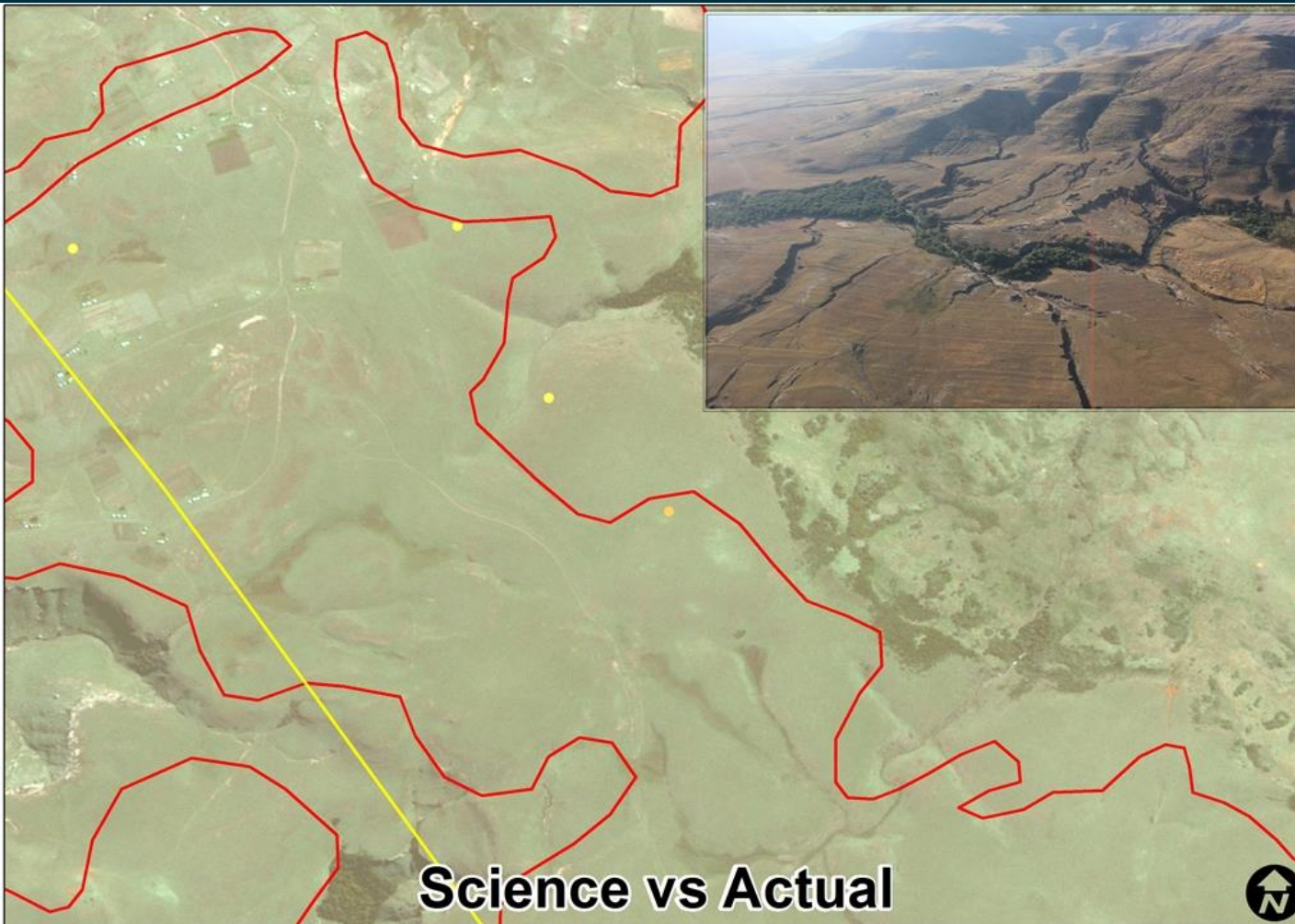
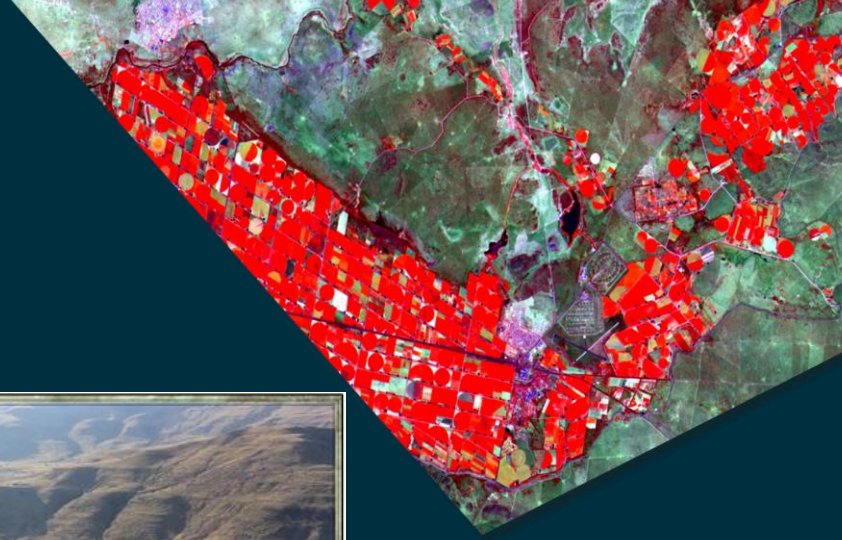


Arable vs Marginal



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Crop Expansion

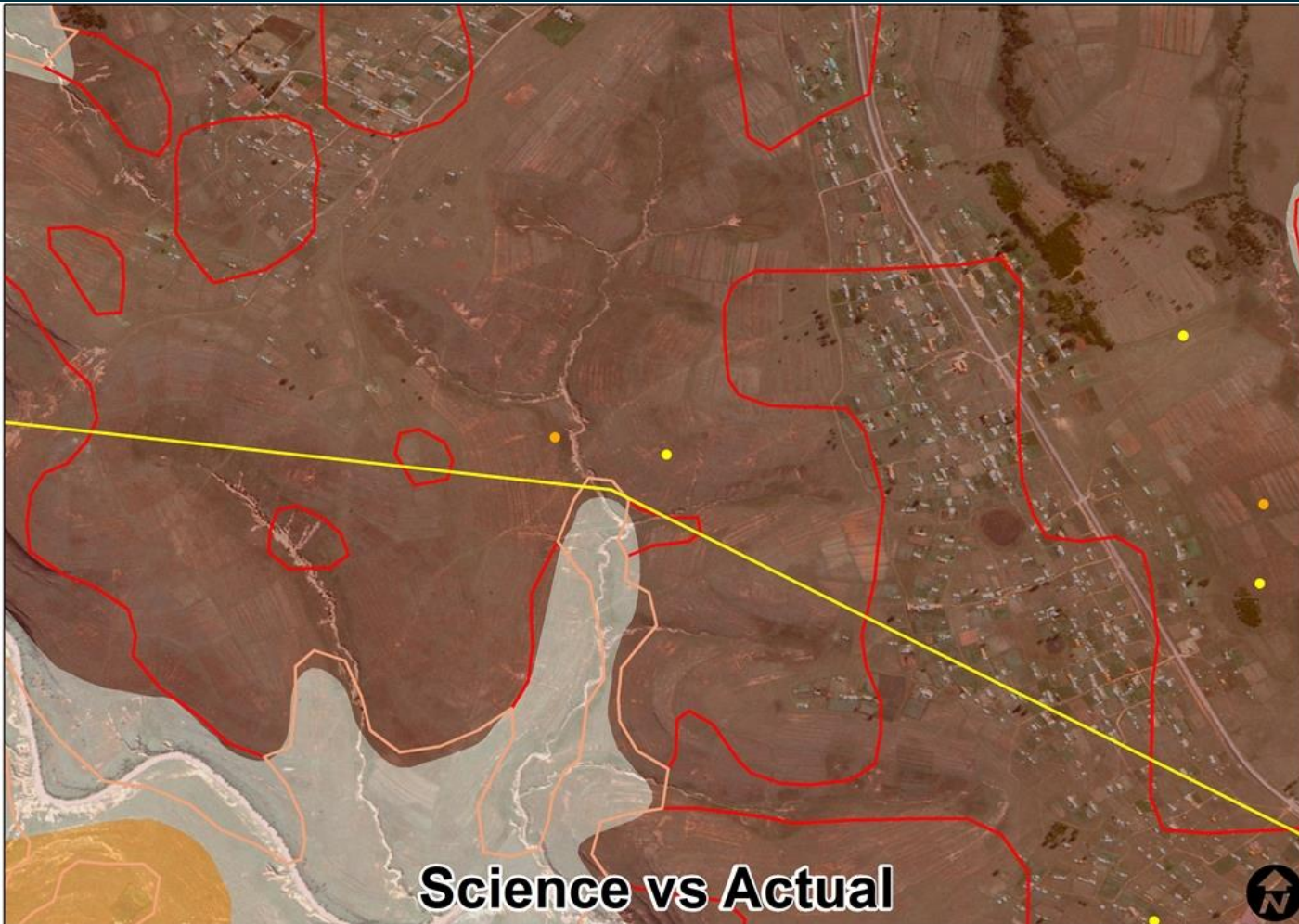
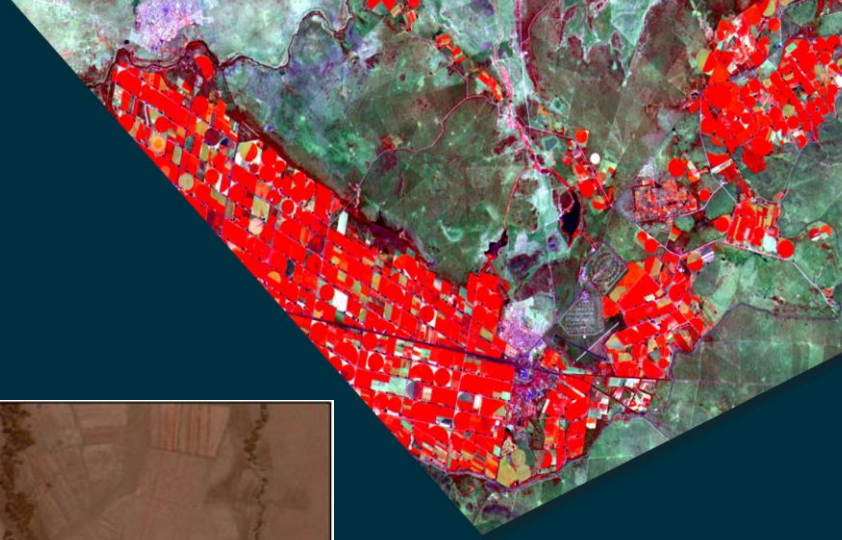


Science vs Actual



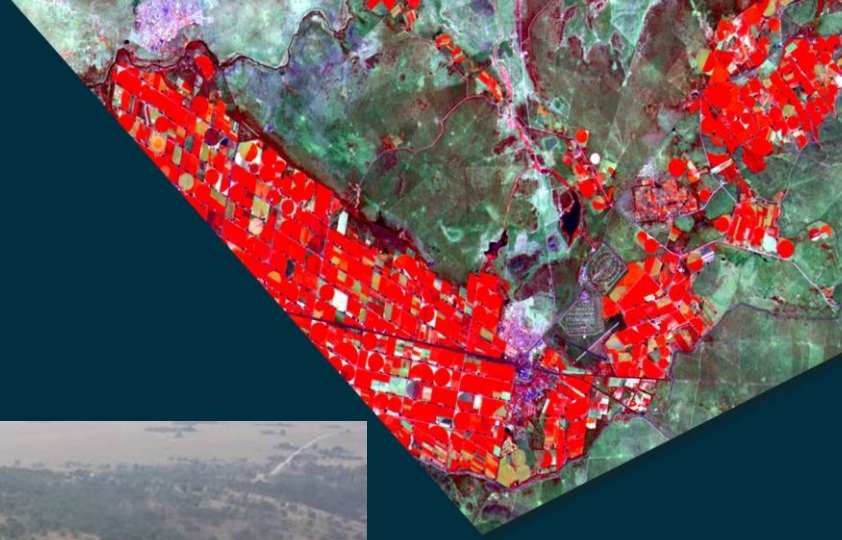
Spatial Intelligence

Crop Expansion



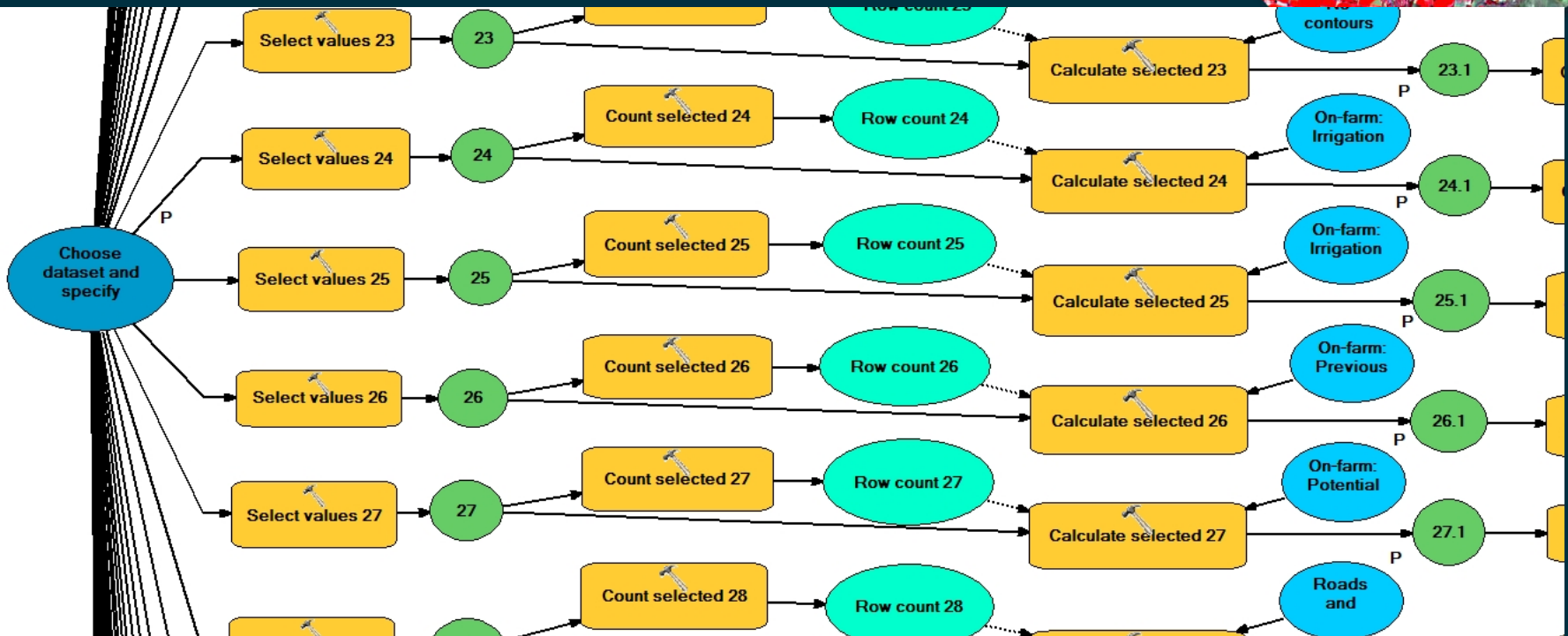
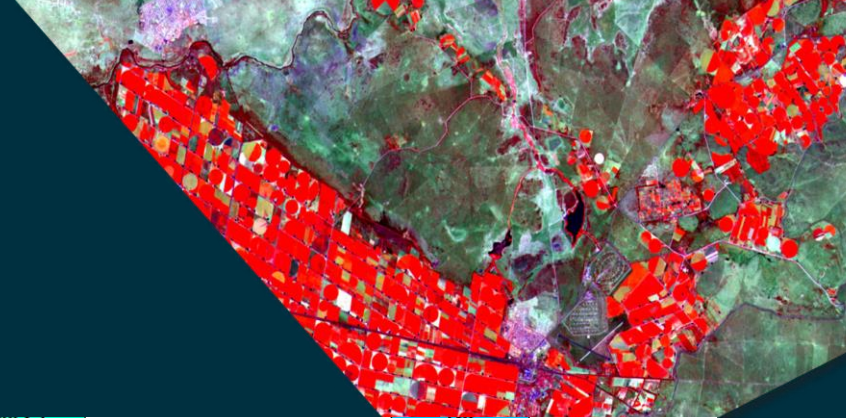
Science vs Actual

Crop Expansion

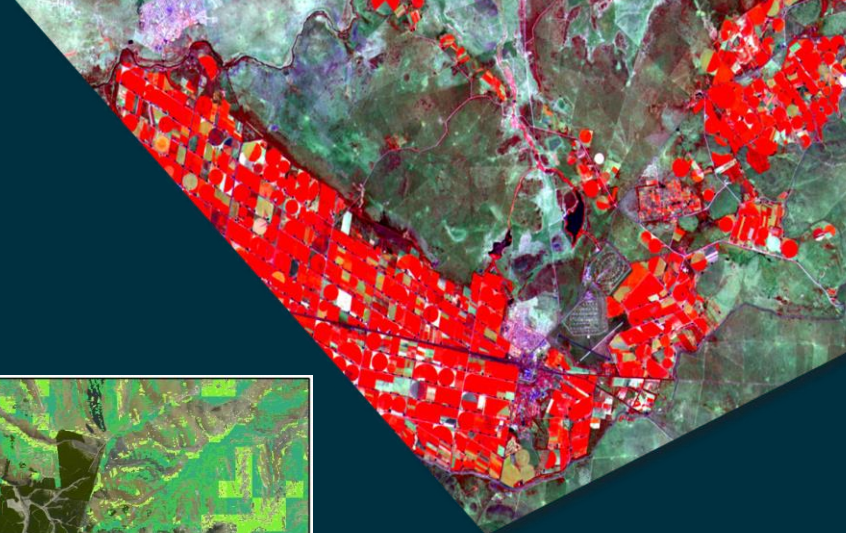
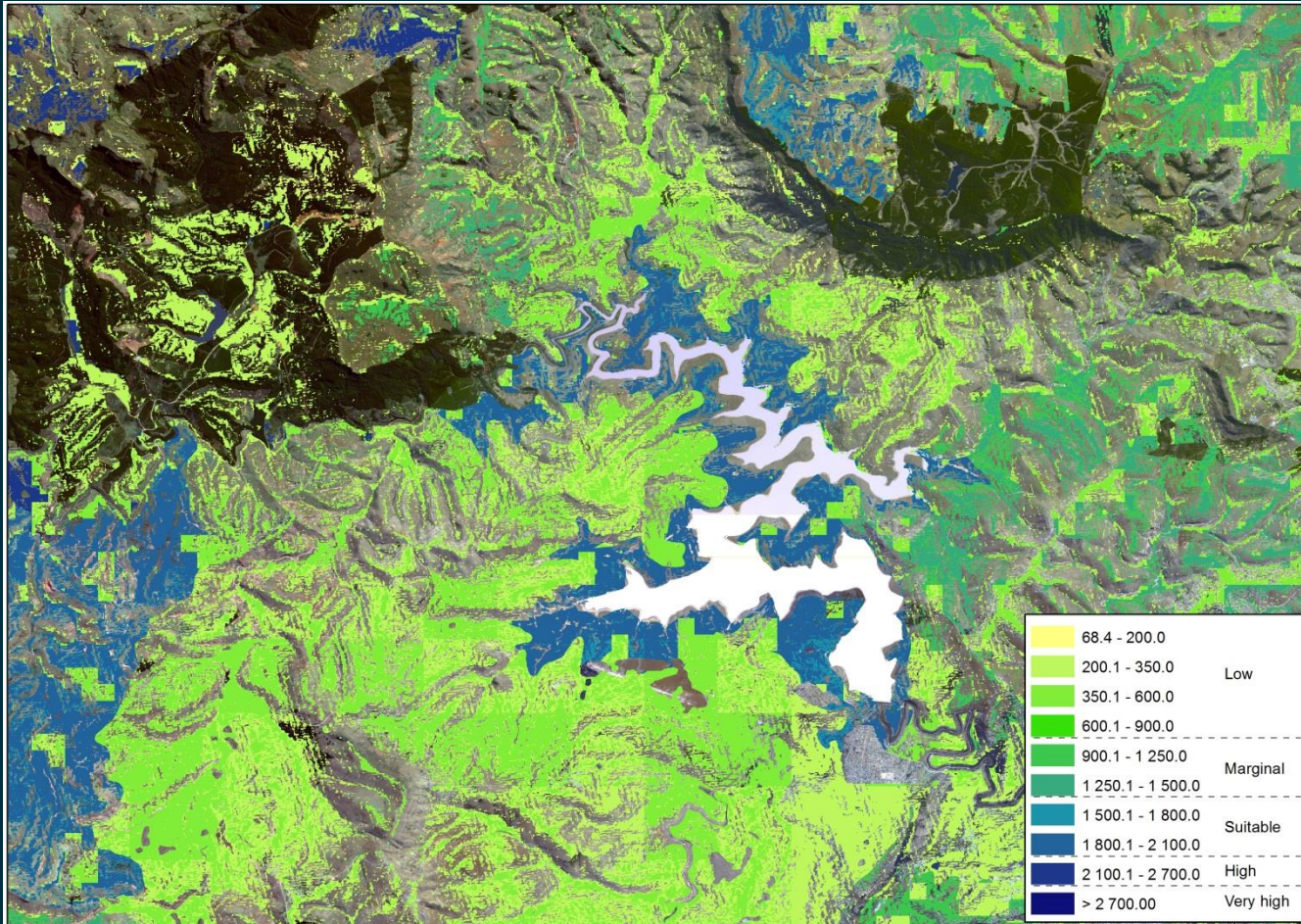


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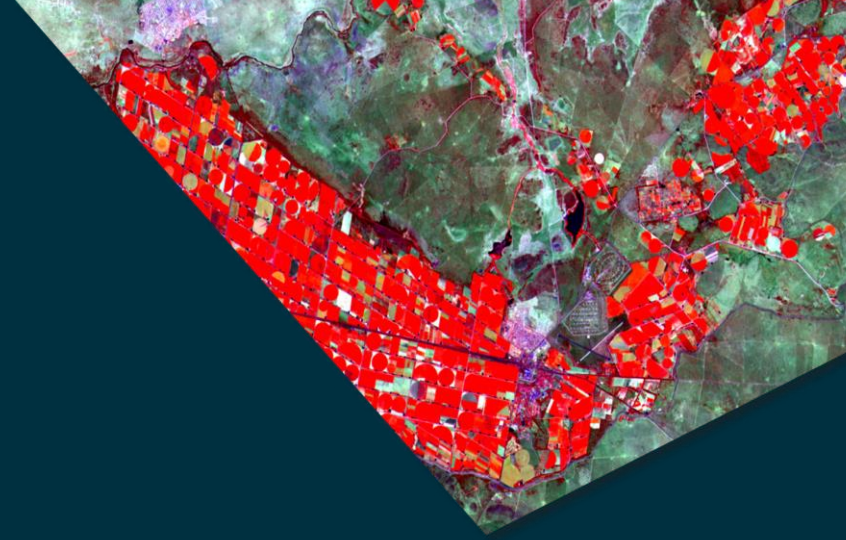


Crop Expansion



Suitability	Ha
Very high	9 029
High	80 785
Suitable	181 066
Marginal	386 988
Low	1 513 429
Unsuitable	3 921 341





thank you