



Soils in the Spotlight

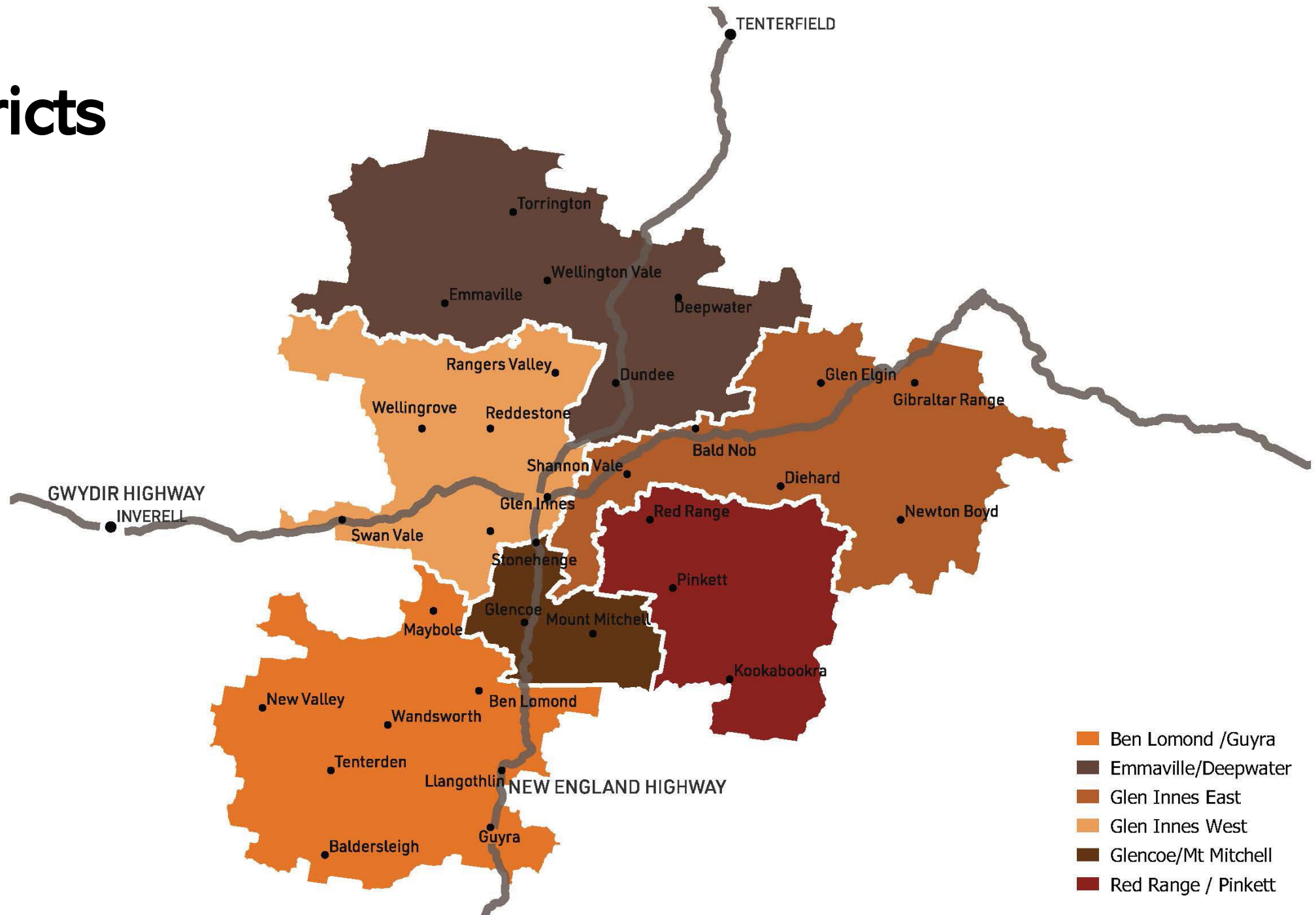
GLENRAC's Smart Farms Soils in the Spotlight project

Soils in the Spotlight

- Snapshot of soil health & soil fertility
- Agricultural & pastoral enterprises
- Across 6 districts
- 3 broad soil types
- Over 100 properties



6 Districts



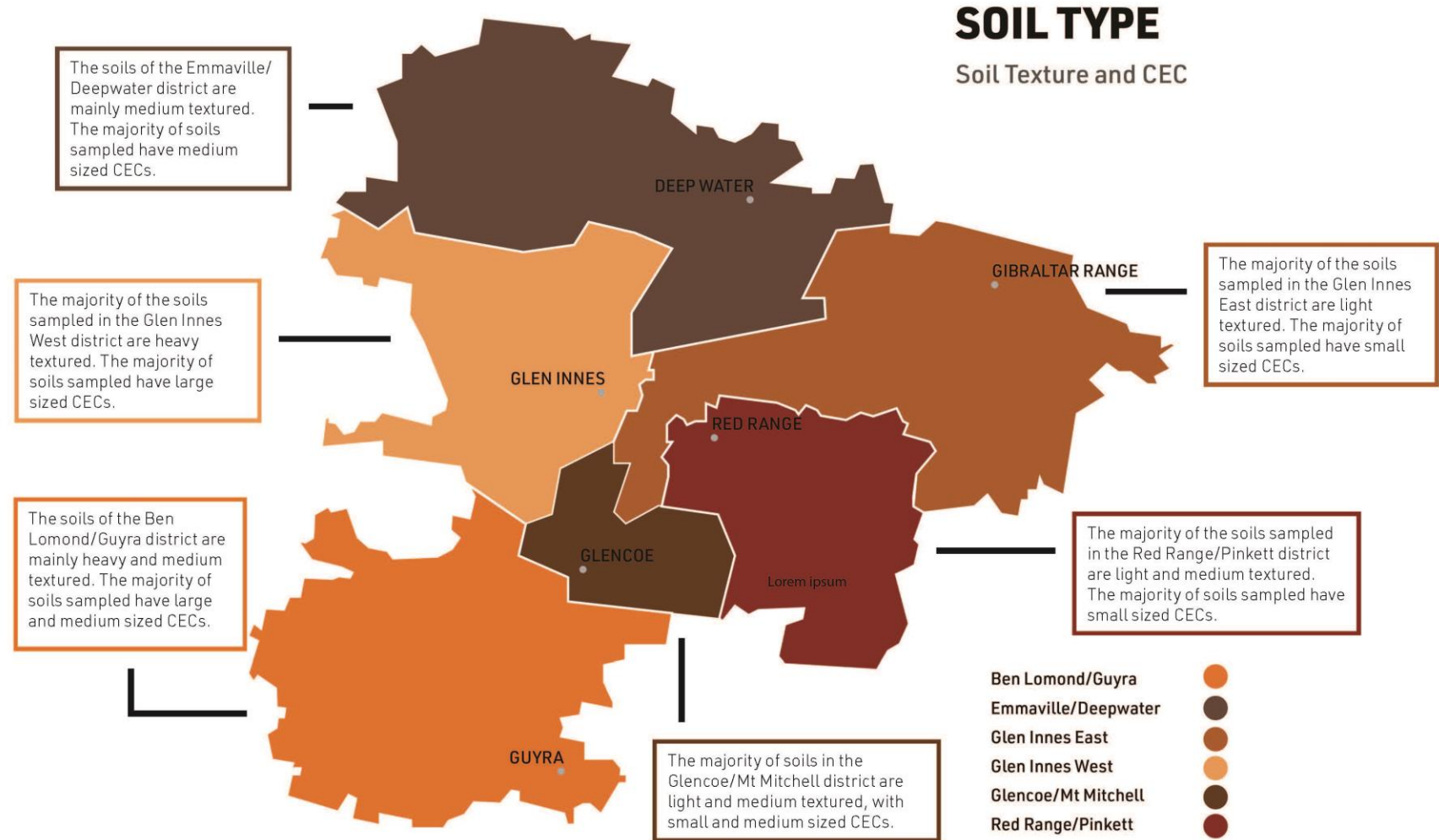
Soil Type

Texture

- Heavy = clay
- Medium = clay loam
- Light = sandy

CEC

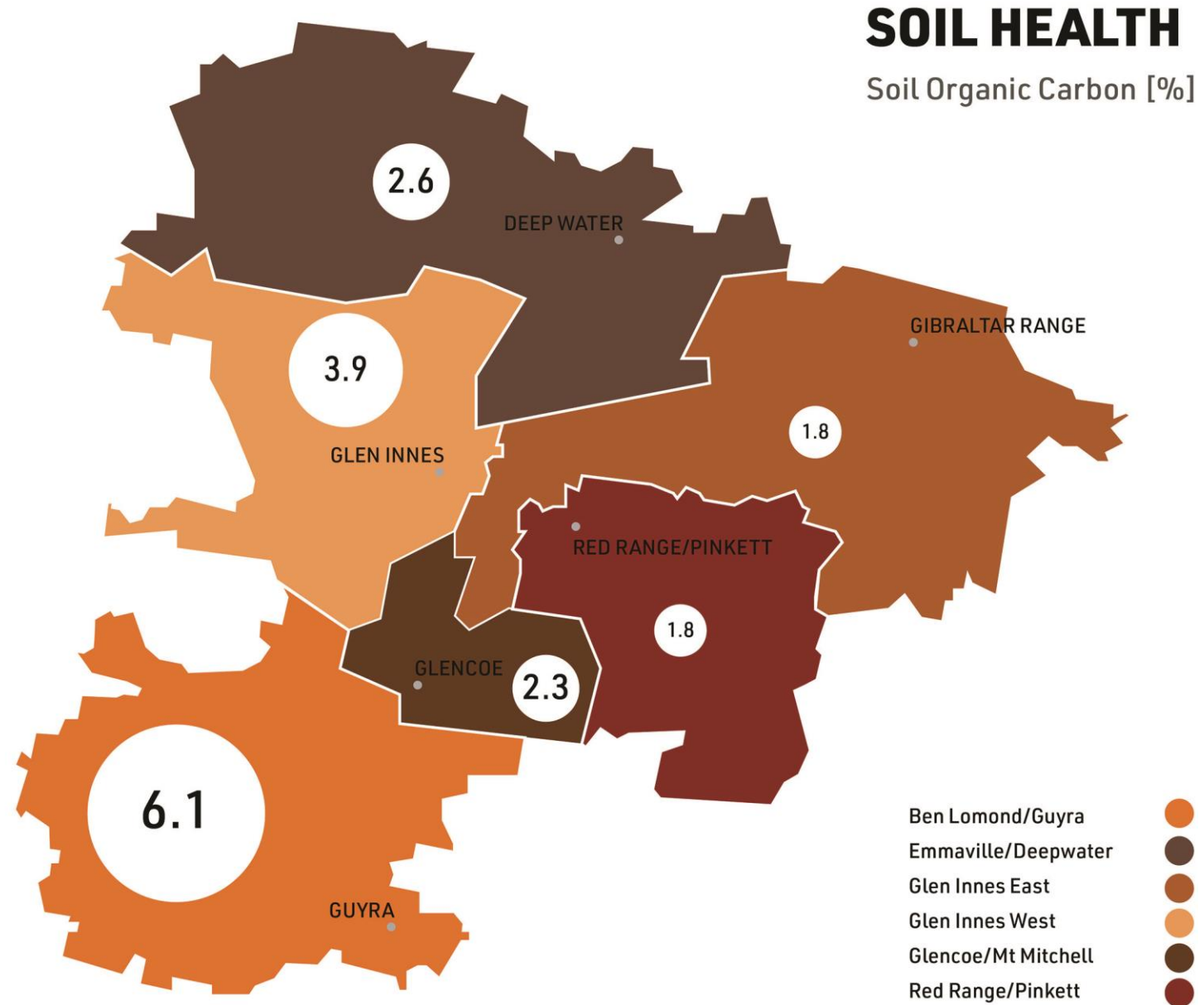
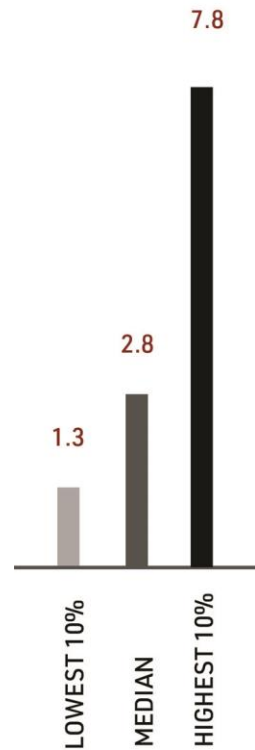
- Large > 15
- Medium 5-15
- Small <5



Soil OC%

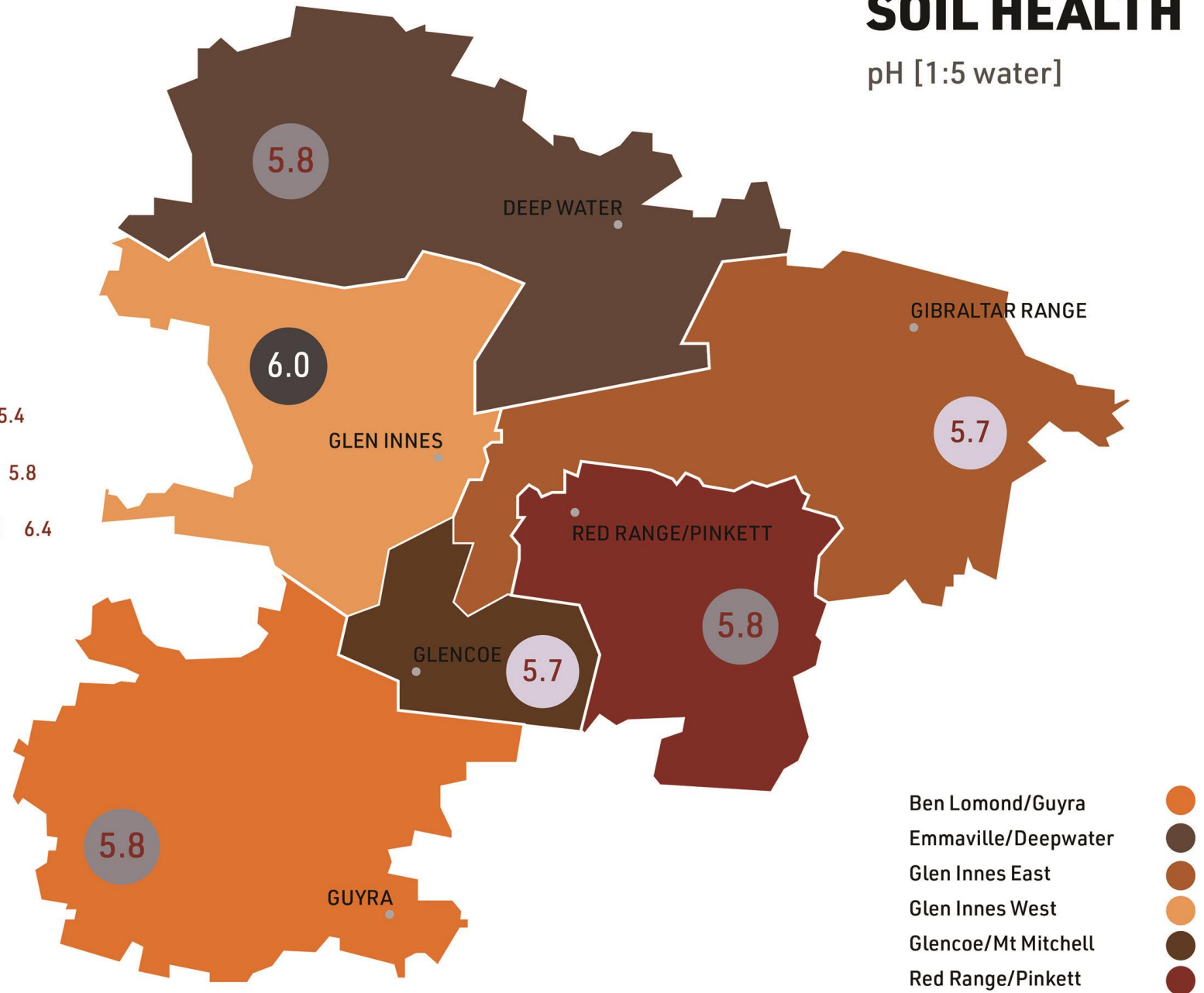
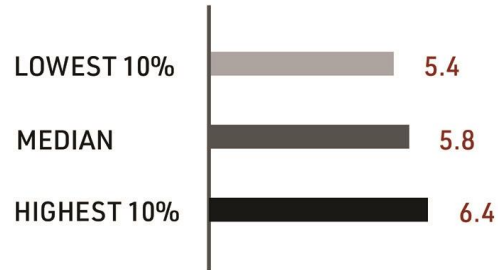
Benchmarks

- Heavy soil >3%
- Medium soil >2.5%
- Light soil >2%



pH (1:5 water)

- Benchmark 5.5 to 8.5

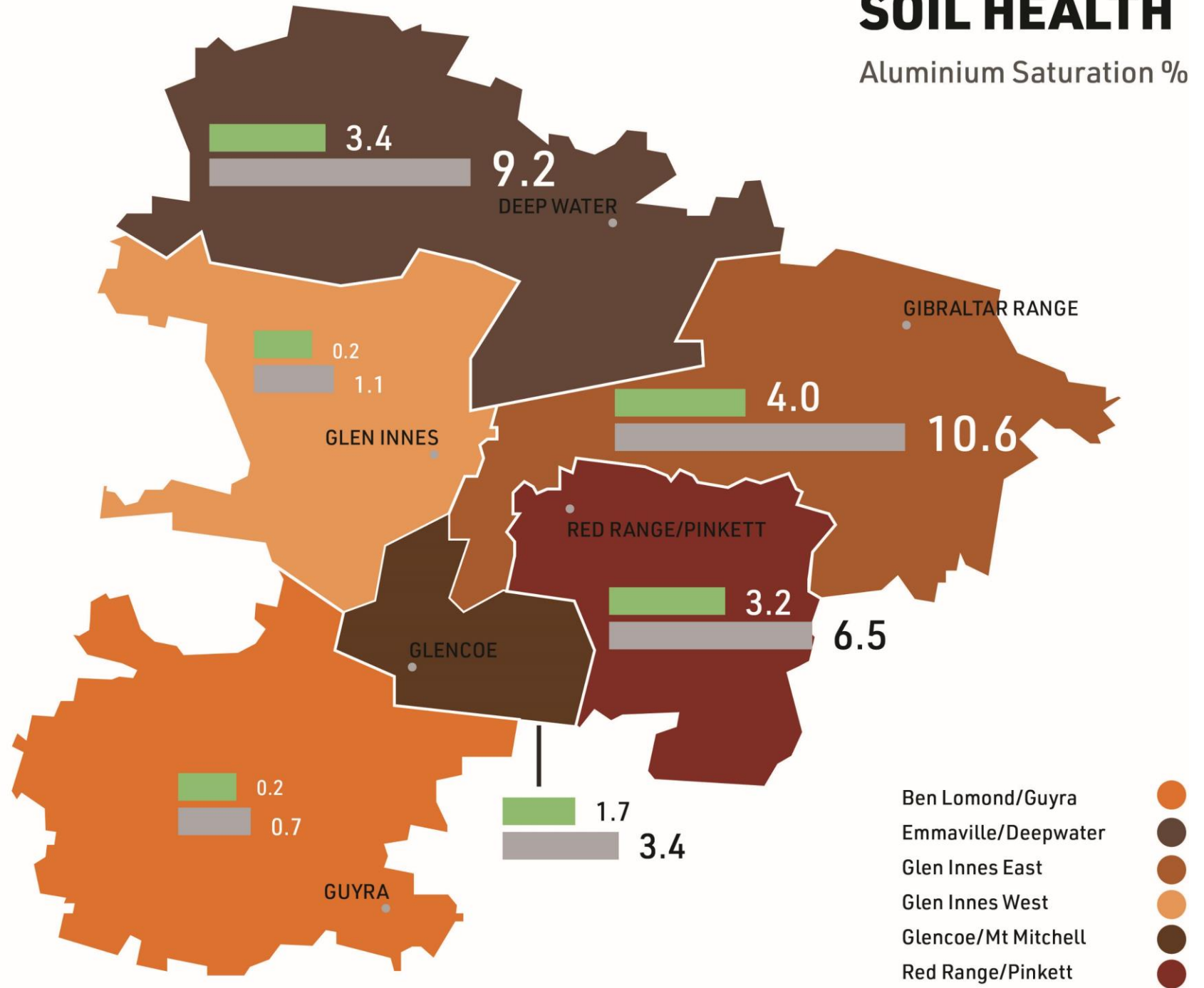
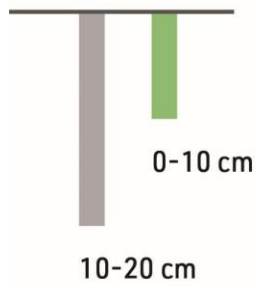


Exch. Al%

- Benchmark <5%

SOIL HEALTH

Aluminium Saturation %

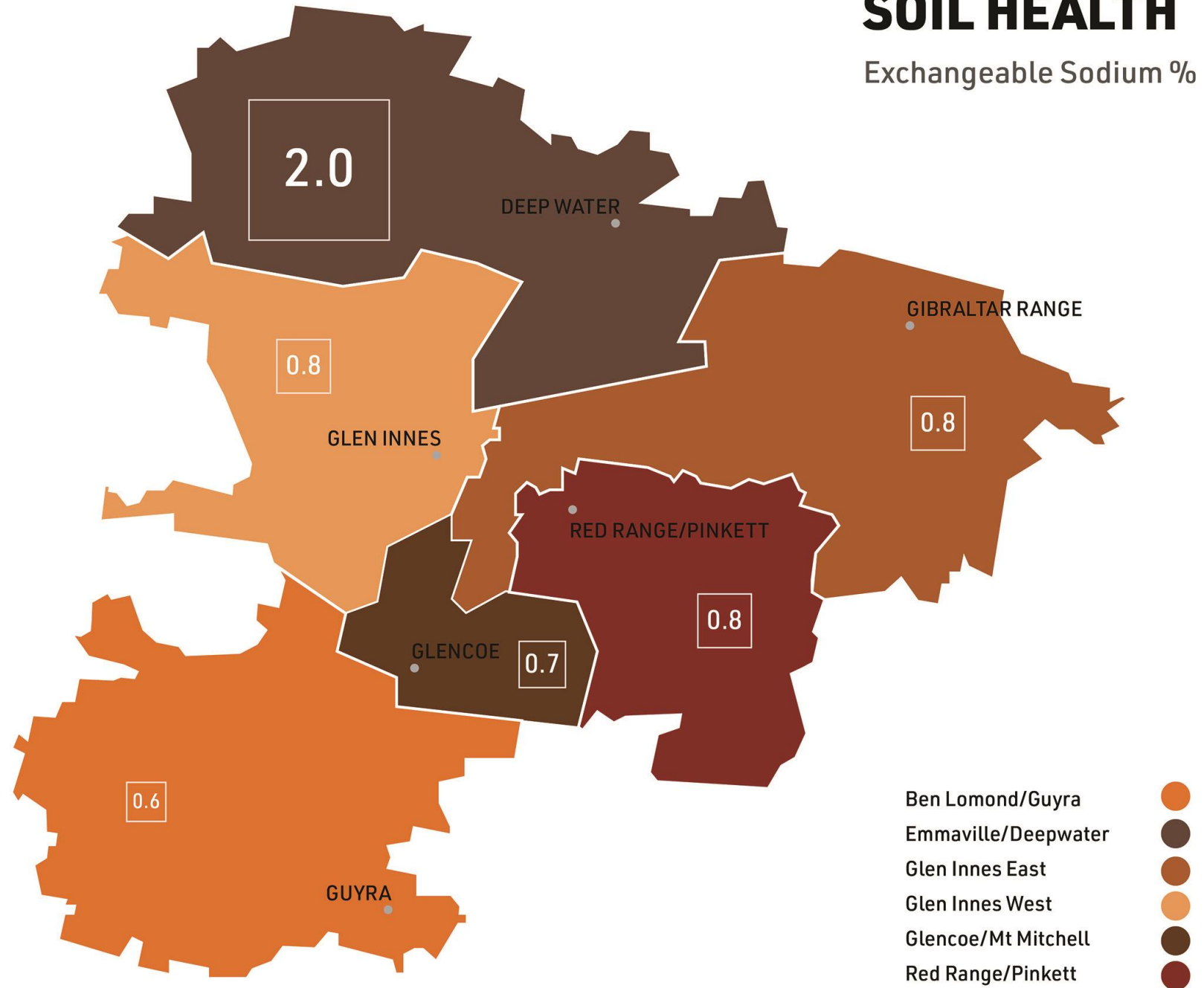


Exch. Na

- Benchmark <5%

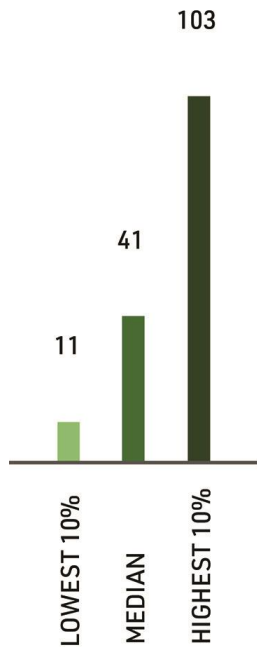
SOIL HEALTH

Exchangeable Sodium %



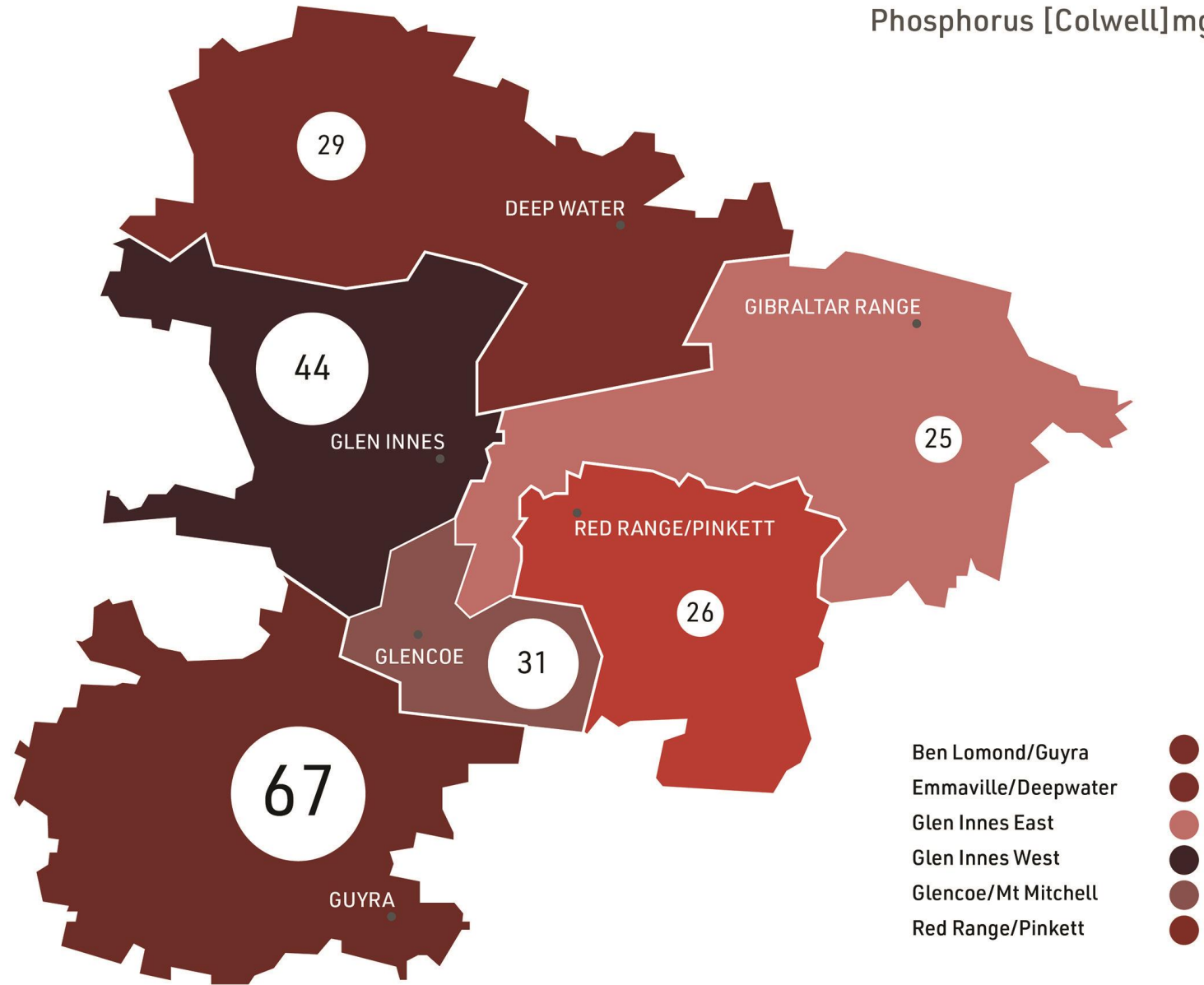
Available P

- Benchmark >20mg/kg Colwell P



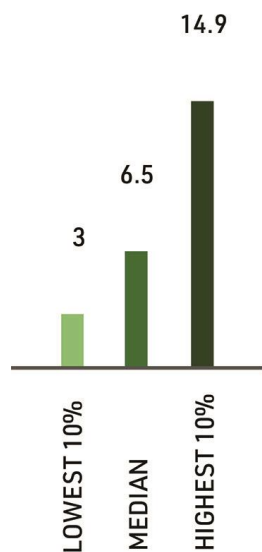
SOIL FERTILITY

Phosphorus [Colwell]mg/kg



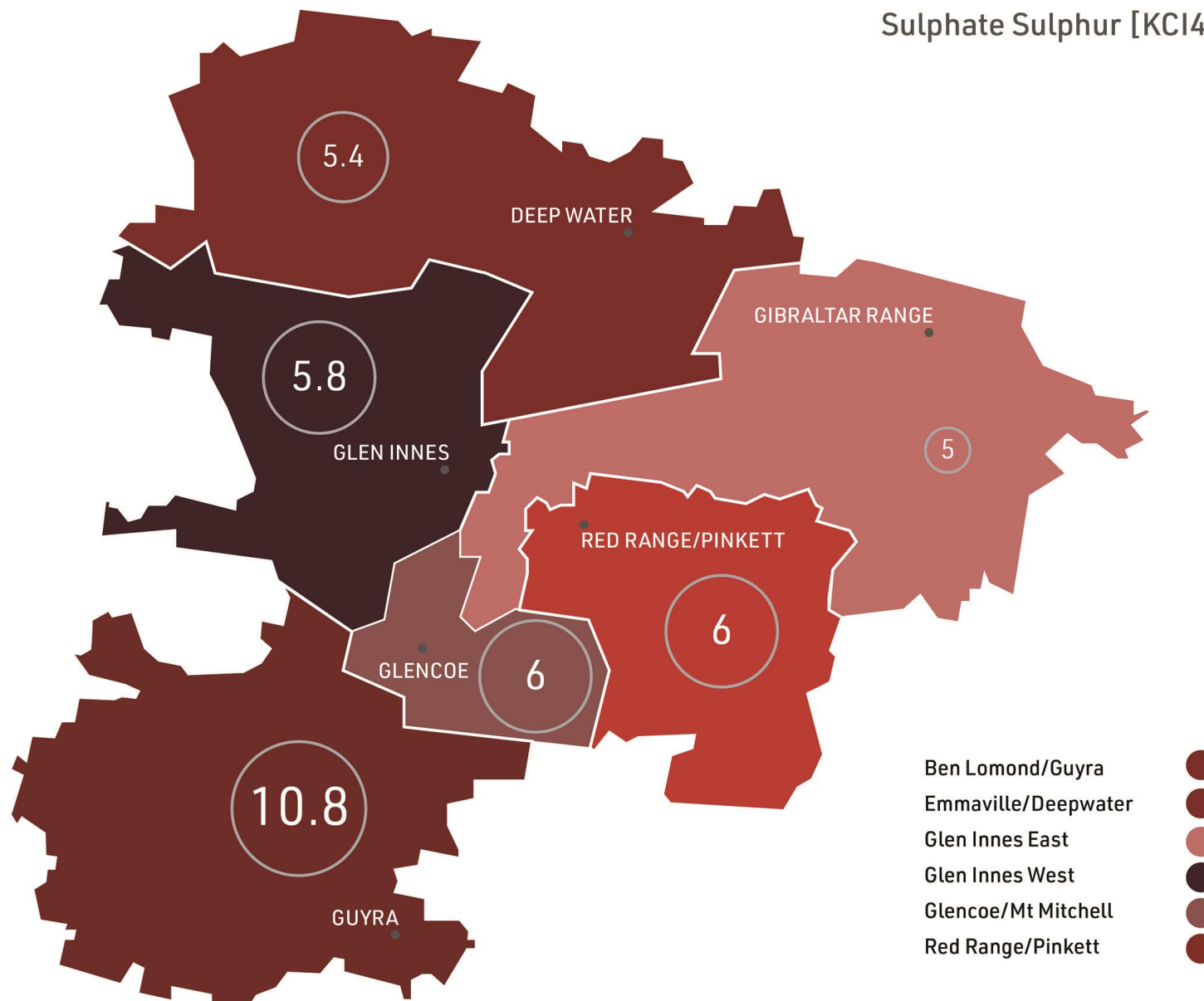
Available S

- Benchmark >7mg/kg KCl



SOIL FERTILITY

Sulphate Sulphur [KCl40]mg/kg



Thank you

