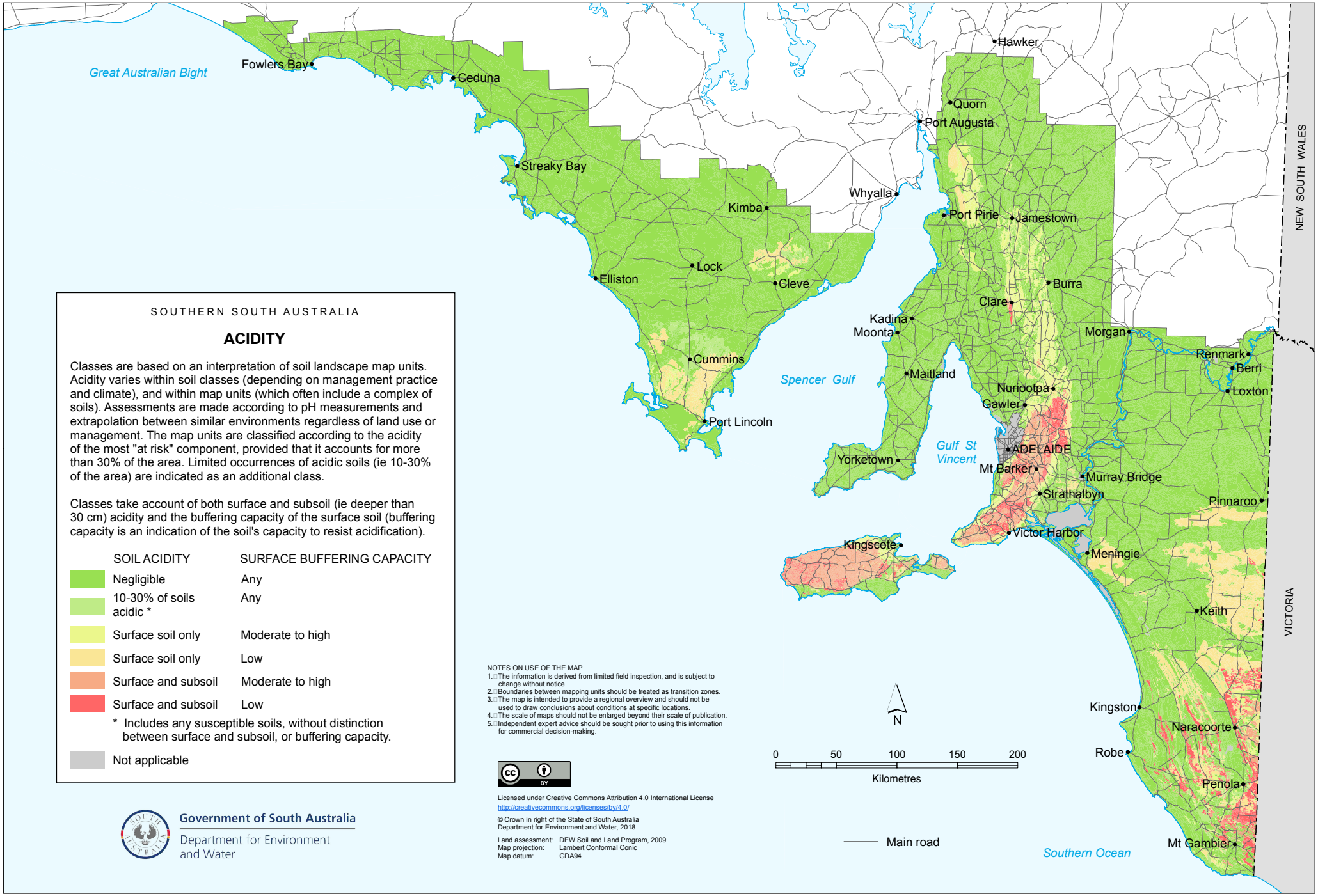

SOUTHERN SOUTH AUSTRALIA

ACIDITY

Classes are based on an interpretation of soil landscape map units. Acidity varies within soil classes (depending on management practice and climate), and within map units (which often include a complex of soils). Assessments are made according to pH measurements and extrapolation between similar environments regardless of land use or management. The map units are classified according to the acidity of the most "at risk" component, provided that it accounts for more than 30% of the area. Limited occurrences of acidic soils (ie 10-30% of the area) are indicated as an additional class.

Classes take account of both surface and subsoil (ie deeper than 30 cm) acidity and the buffering capacity of the surface soil (buffering capacity is an indication of the soil's capacity to resist acidification).

SOIL ACIDITY	SURFACE BUFFERING CAPACITY
Negligible	Any
10-30% of soils acidic *	Any
Surface soil only	Moderate to high
Surface soil only	Low
Surface and subsoil	Moderate to high
Surface and subsoil	Low

* Includes any susceptible soils, without distinction between surface and subsoil, or buffering capacity.

Not applicable

NOTES ON USE OF THE MAP

1. The information is derived from limited field inspection, and is subject to change without notice.
2. Boundaries between mapping units should be treated as transition zones.
3. The map is intended to provide a regional overview and should not be used to draw conclusions about conditions at specific locations.
4. The scale of maps should not be enlarged beyond their scale of publication.
5. Independent expert advice should be sought prior to using this information for commercial decision-making.

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Department for Environment and Water, 2018

Land assessment: DEW Soil and Land Program, 2009
Map projection: Lambert Conformal Conic
Map datum: GDA94

Government of South Australia
Department for Environment and Water