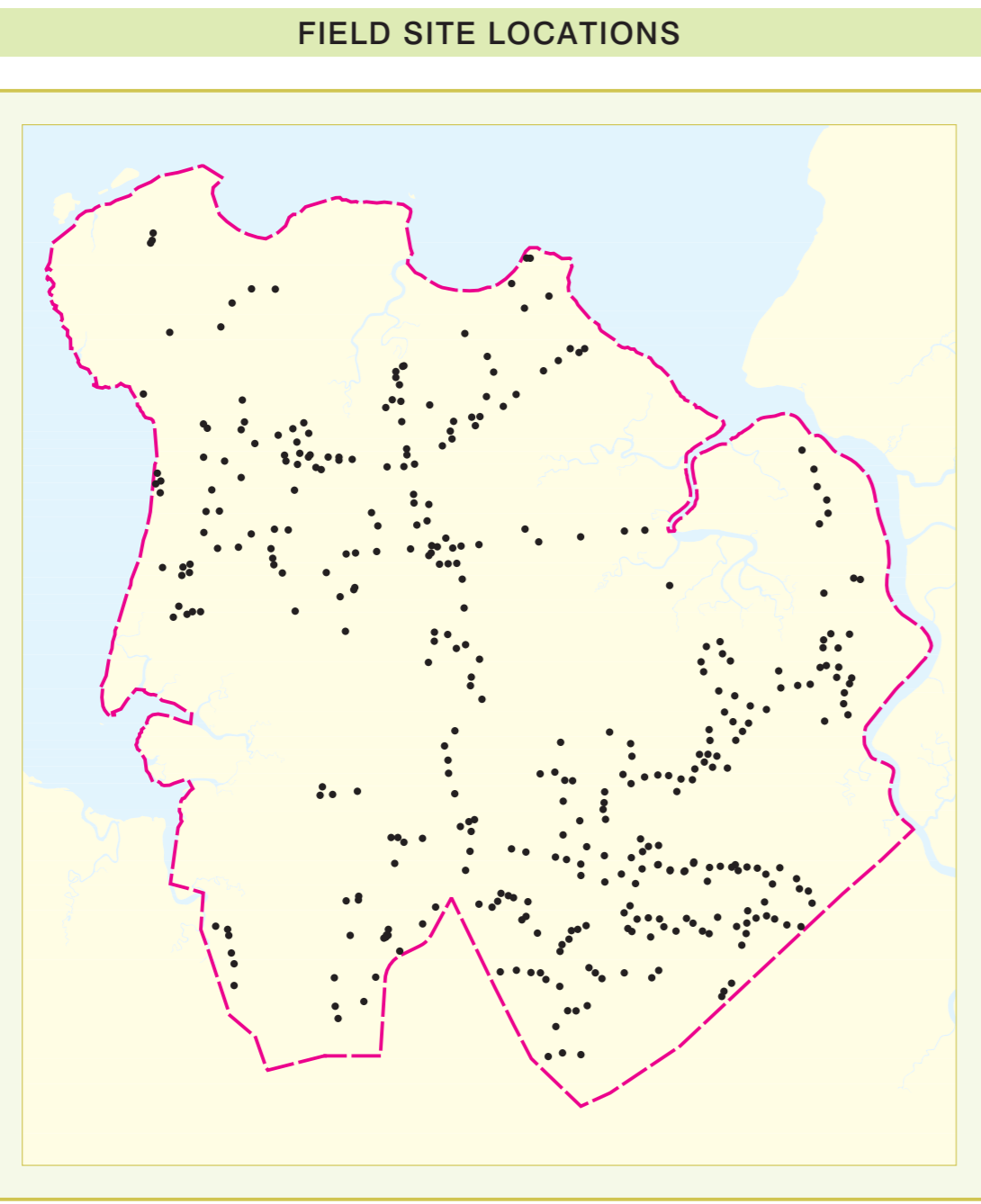


LAND UNIT DESCRIPTIONS

RISES	6	Rises and short steep slopes including very gravelly lower foot-slopes above drainage areas. Very shallow, well drained, very gravelly, strongly acidic, brown, massive earths, overlying a matrix of weathered sedimentary material and partially decomposed conglomerates (Kandosols).
LOW RISES	7	Gently undulating low rises and gravelly pediment slopes. Moderately deep to shallow, well drained, gravelly, strongly acidic, brown, massive earths, overlying a matrix of weathered sedimentary material and partially decomposed conglomerates (Kandosols).
PLAINS	8	Level to gently undulating upland plains. Very deep, well drained, strongly acidic, red massive or weakly structured gravitational earths (Kandosols).
8b	Gently undulating toward plains. Deep, moderately well or imperfectly drained, gravelly, strongly acidic, red and brown, massive to moderately structured earths, overlying ironstone and ferruginised sandstone gravels (Kandosols).	
DRAINAGE SYSTEMS	10	Open drainage lines, including seepage areas fringing incised creeks and channels. Very deep, very poorly drained, strongly acidic, non-gravelly, grey and brown structured clay soils (Hydrosols).
10b	Gently sloping broad drainage floors, including open spillway depressions and alluvial plains. Deep, imperfect or poorly drained, gravelly, red or brown structured clay soils, ironstone and ferruginised sandstone gravels (Hydrosols).	
SWAMPS	11	Swamps, billabongs and closed depressions. Very deep, very poorly drained, non-gravelly, strongly acidic, hard setting, seasonally or permanently wet structured clay soils (Hydrosols).
MARINE	12	Dunes and beach ridges including estuarine fringes. Very deep, very poorly drained, non-gravelly, strongly acidic, moderately structured clay subsoils and deep uniform earthy sands (Hydrosols).

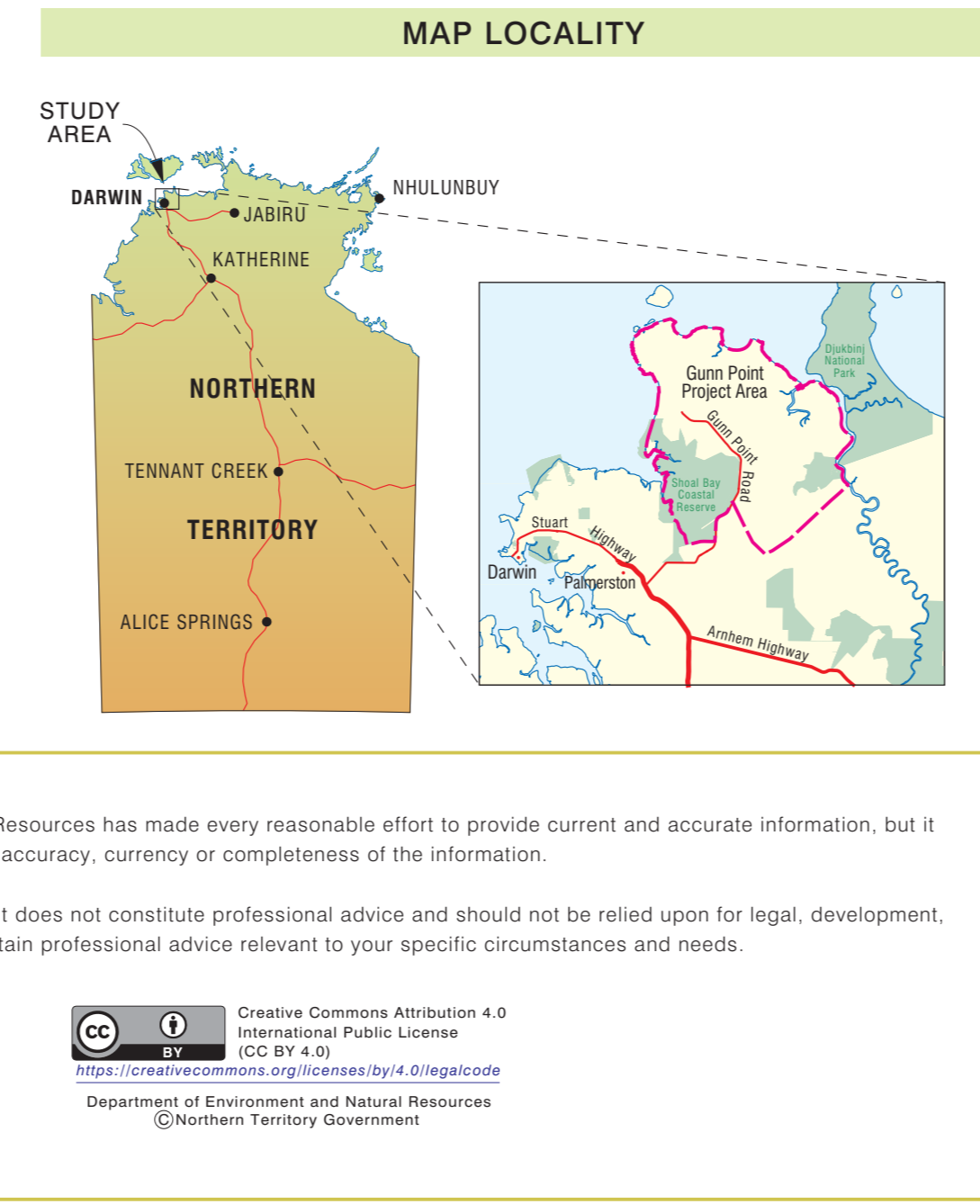
Example of Land Unit Descriptions

SWAMPS	11	Swamps, billabongs and closed depressions. Very deep, very poorly drained, non-gravelly, strongly acidic, hard setting, seasonally or permanently wet structured clay soils (Hydrosols).
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Cartography by:
 Deborah Mullin - Geospatial Services
 Department of Environment and Natural Resources,
 Northern Territory of Australia
 Map Reference: DGNR/2019/1_MTF_GunnPoint_Land-Resources
 March 2020

This map was produced on the Geospatial Data of Australia 1984 (GDA 94)



Technical references:
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 Australian Soil and Land Survey Field Handbook, Third Edition.
 CSIRO Publishing, Melbourne, Victoria.

Isbell, R. F. and National Committee on Soil and Terrain (2016).
 The Australian Soil Classification, Second Edition.
 CSIRO Publishing, Clayton South, Victoria.

Mapping the Future Project - Gunn Point

The project has identified land capability, water availability and biodiversity values to support land planning and inform development potential over the Gunn Point area.

Reports and maps can be viewed from the Mapping the Future webpage:
<https://dnt.nt.gov.au/programs-and-strategies/mapping-the-future>

Cruckshank, S. (2020).
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 Technical Report 3/2020.
 Department of Environment and Natural Resources, Darwin, NT.

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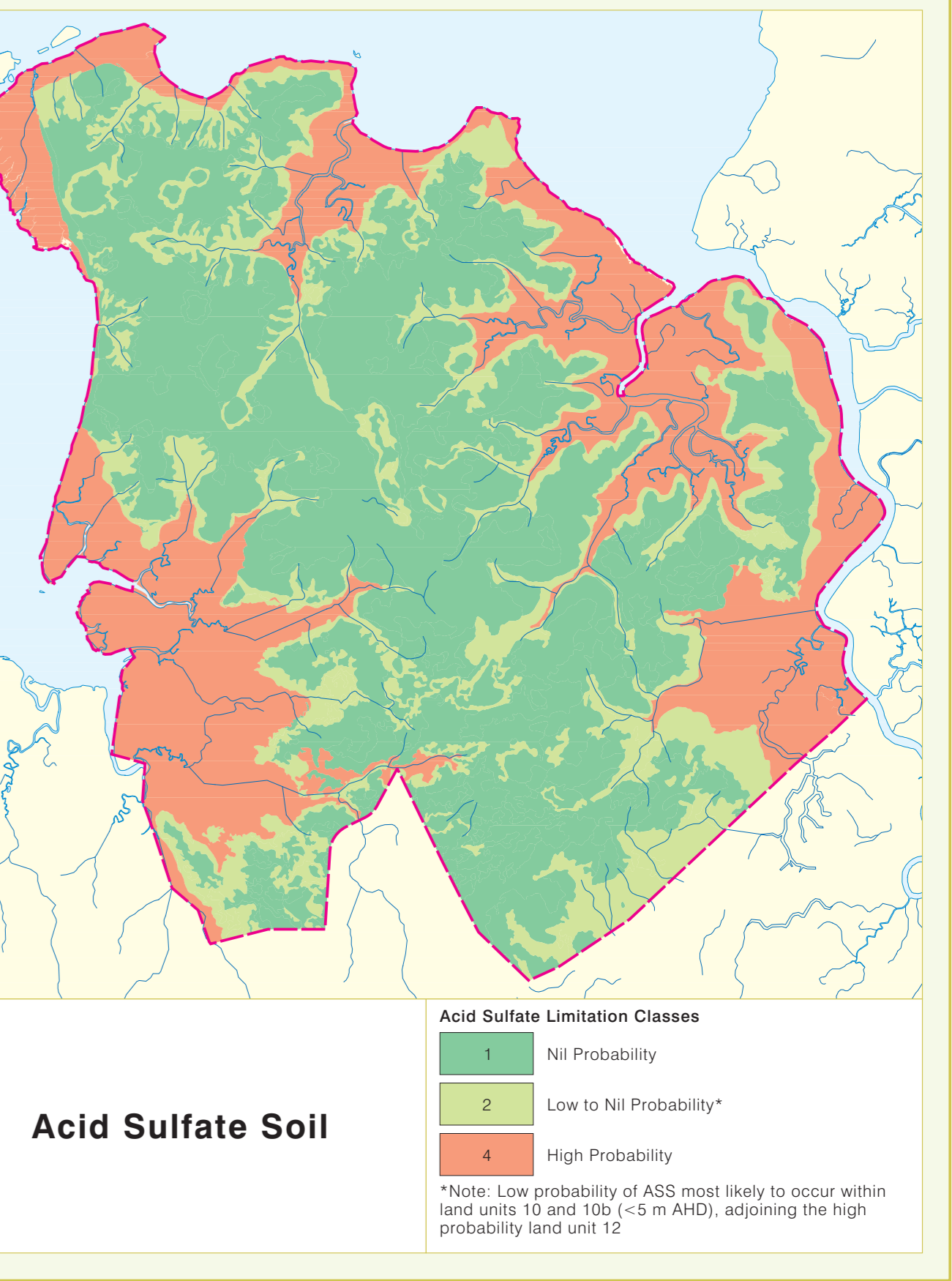
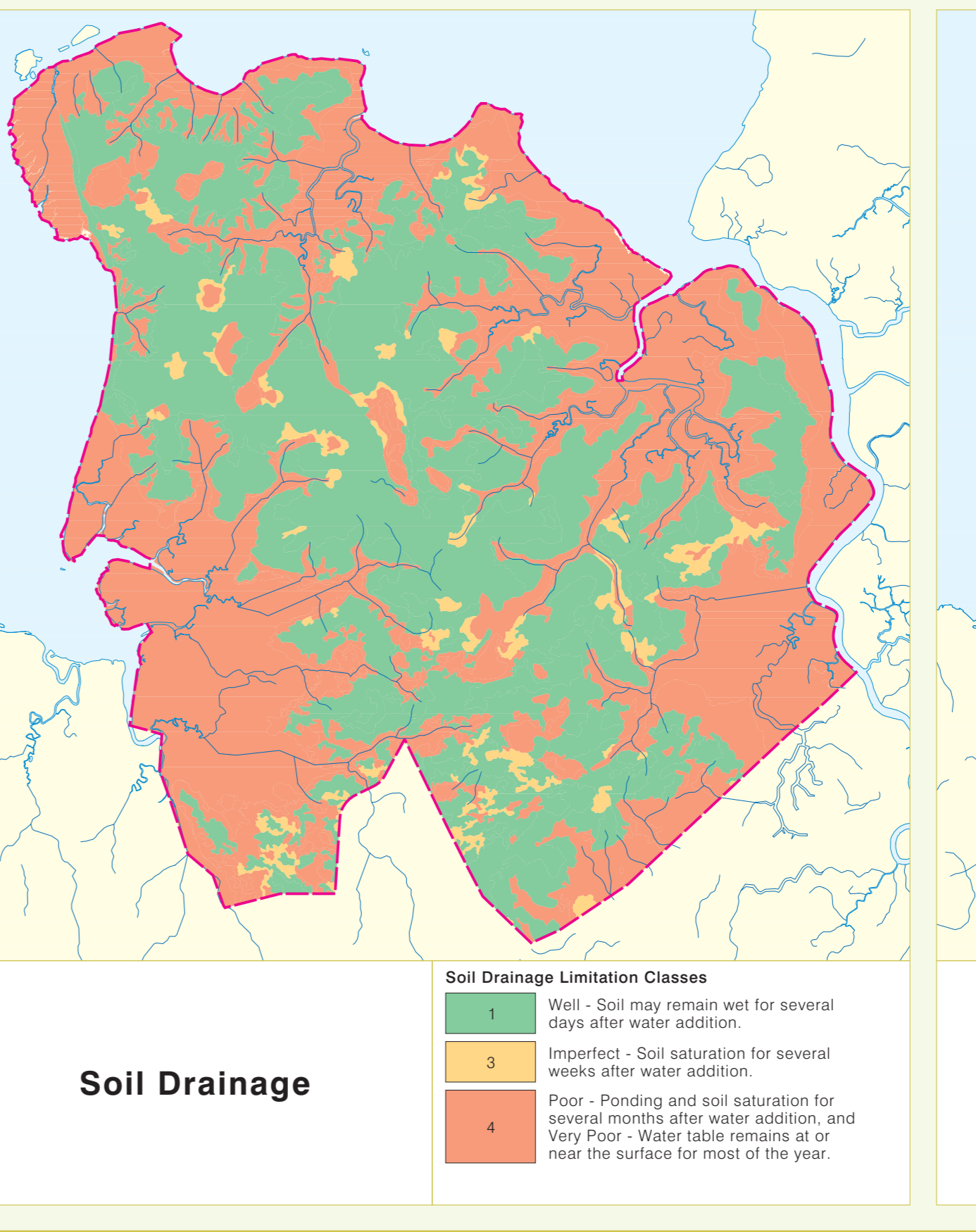
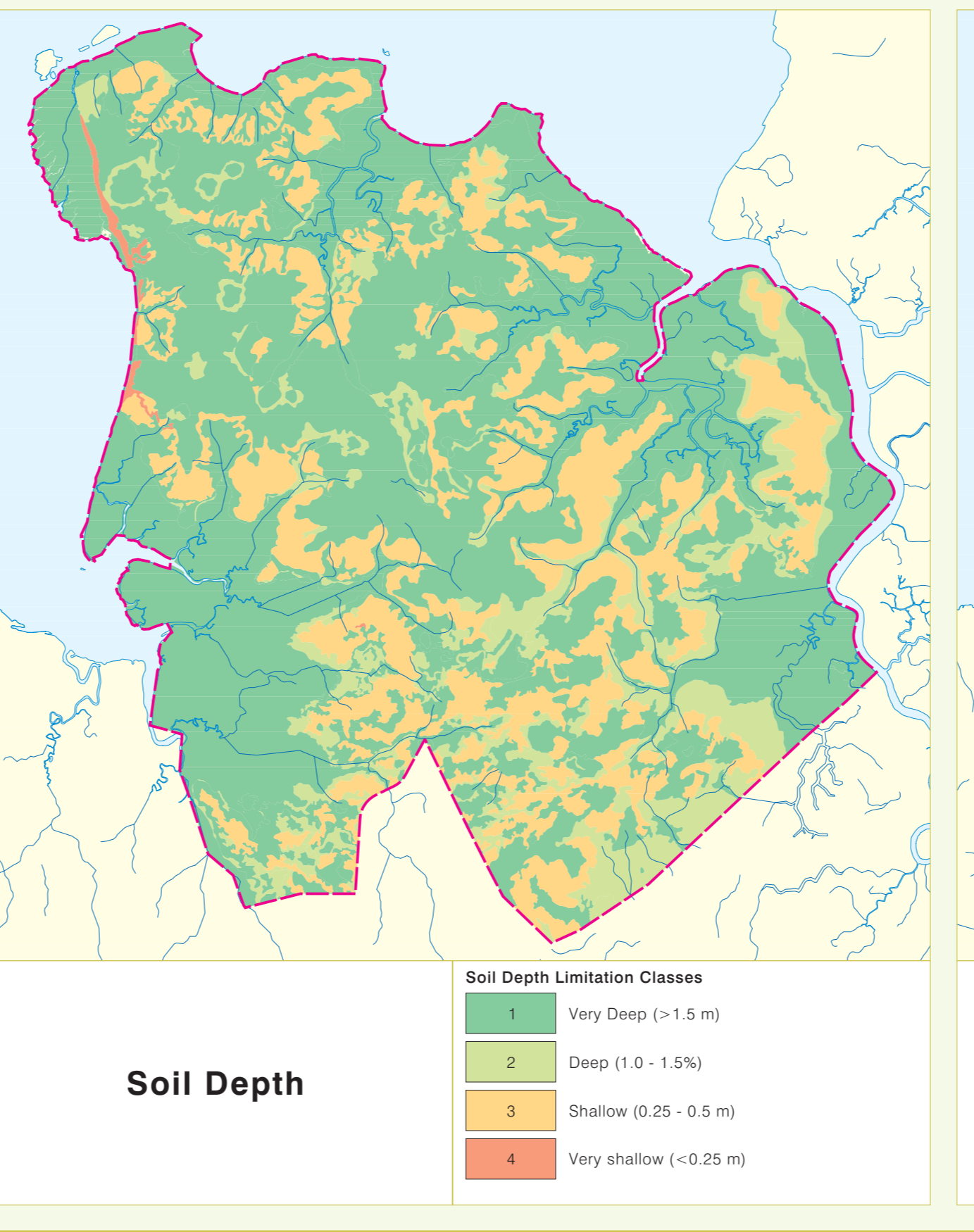
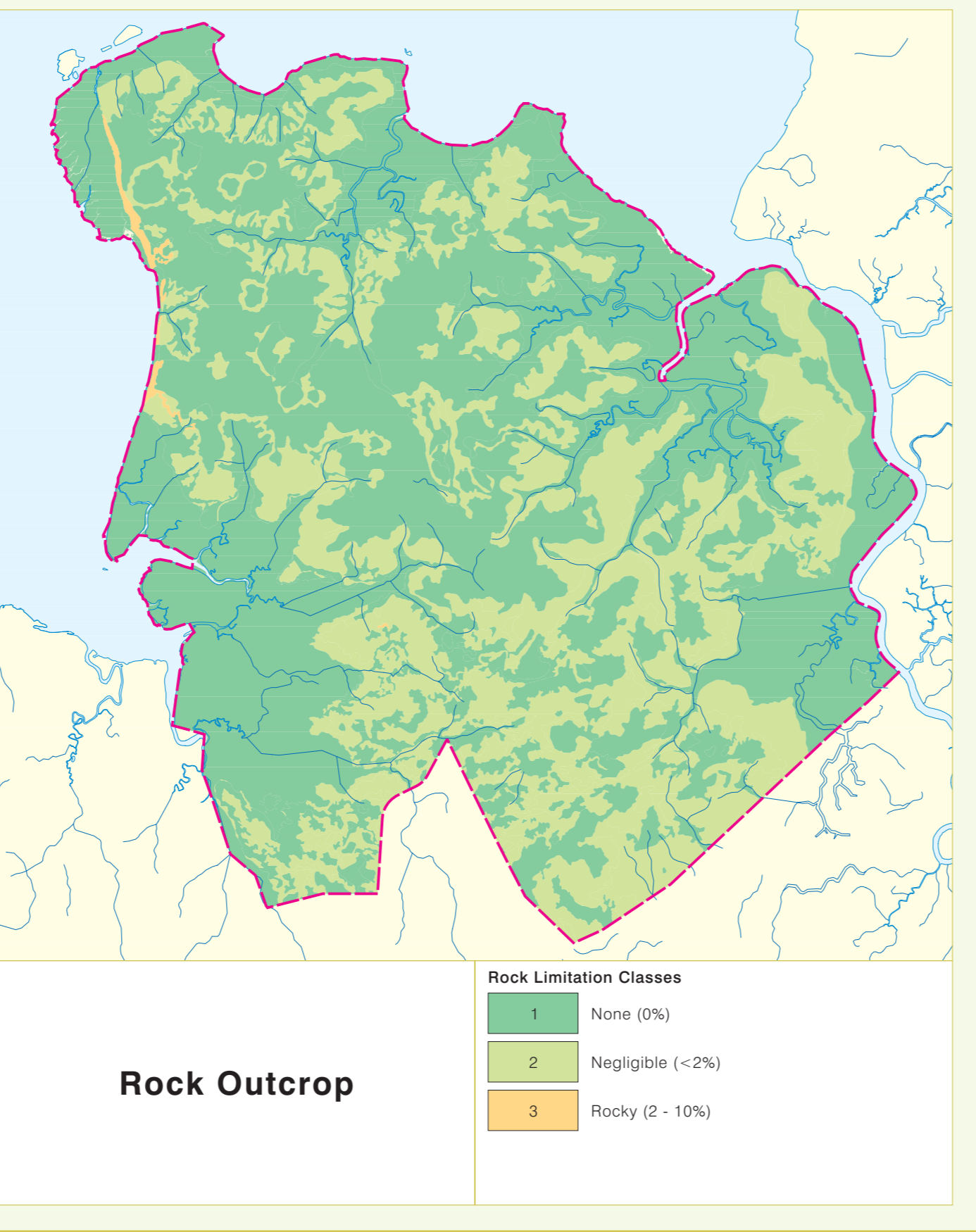
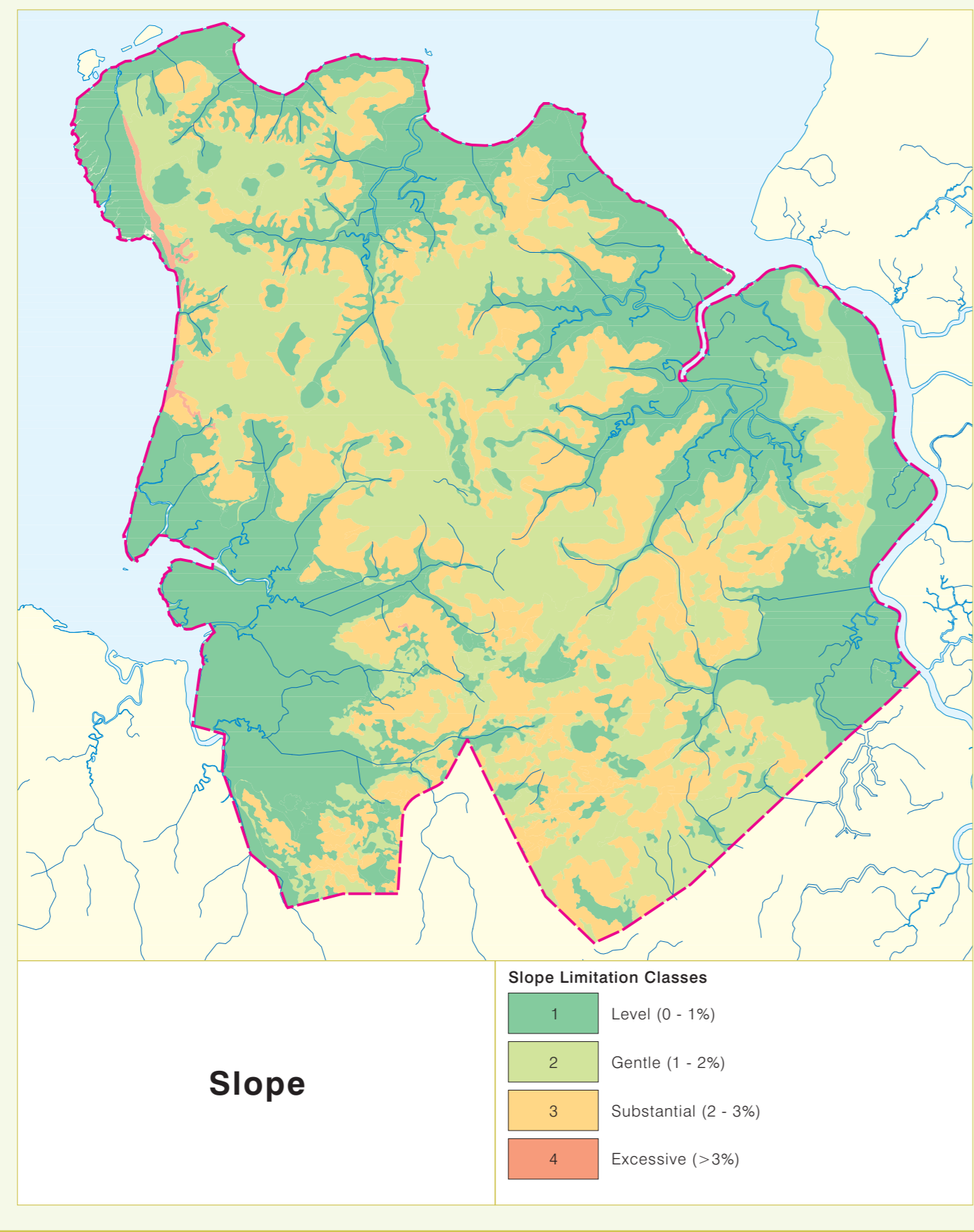
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 Technical Report 6/2020.
 Department of Environment and Natural Resources, Darwin, NT.

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Mapping the Future Project - Gunn Point. Soil and Land Resources of the Gunn Point Area.
 Technical Report 7/2020.
 Department of Environment and Natural Resources, Darwin, NT.

Essay, D., Brockhurst, P. and Emberg, J. (2017).
Agricultural Land Suitability Series, Report 7. Soil and Land Suitability Assessment for Irrigated Agriculture in the Gunn Point Area.
 Technical Report 1/2017.
 Department of Environment and Natural Resources, Darwin, NT.

Napier, D., Edmeades, B. and Green, C. (2020).
Mapping the Future Project - Gunn Point. Vegetation Communities of the Gunn Point Area.
 Technical Report 8/2020.
 Department of Environment and Natural Resources, Darwin, NT.



Mapping the Future Project - Gunn Point

SOIL and LAND RESOURCES of the GUNN POINT AREA

For further information contact:
 Department of Environment and Natural Resources
 Mapping the Future Project
 Web: <https://dnt.nt.gov.au/programs-and-strategies/mapping-the-future>

Range Islands Division
 Ph: (08) 8994 4419. Email: rangeislands@dnt.gov.au
 Level 3, Goyder Centre, 25 Chung Wah Terrace, Palmerston, Northern Territory of Australia

Bibliographic reference:
 Essay, D., Lynch, B. and Edmeades, B. (2020).
 Mapping the Future Project - Gunn Point. Soil and Land Resources of the Gunn Point Area. Technical Report 7/2020.
 Department of Environment and Natural Resources, Darwin, NT.

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 Fogarty, P., Lynch, B. and Wood, B. (1984).
 The Land Resources of the Elizabeth, Darwin and Blackmore Rivers. Technical Report No. 15/1984.
 Land Conservation Unit, Conservation Commission of the Northern Territory.

Hill, J.V. and Edmeades, B.F. (2005).
 Acid Sulfate Soils of the Darwin Region. Technical Report No. 09/2005D.
 Land and Water Division, Department of Natural Resources, Environment the Arts and Sport, NT.

Land suitability bibliographic reference:
 Essay, D., Brockhurst, P. and Emberg, J. (2017).
 Soil and Land Suitability Assessment for Irrigated Agriculture in the Gunn Point area, Northern Territory. Technical Report 7/2017.
 Department of Environment and Natural Resources, Darwin, NT.

GENERAL FEATURES

Extent of mapping	-----
Land suitability project boundary	-----
Property boundary	-----
Park / Reserve	-----
Pastoral homestead	• Koolpinyah
Road: sealed	-----
Road: unsealed	-----
Drainage area / line	-----
Spot height (m AHD)	10

General features data sources:
 Cadastre, roads, place names:
 Department of Infrastructure, Planning and Logistics,
 Northern Territory of Australia.

Parks:
 Department of Tourism, Sport and Culture,
 Northern Territory of Australia.

Hydro features:
 Commonwealth of Australia (Bureau of Meteorology) 2014
 Spot heights:
 Geoscience Australia, 2007. Geodata topo 250K, Series 3.

