

GENERAL LAND CAPABILITY OF THE ALI CURUNG AREA

ALI CURUNG AREA - Map 2 of 9

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 Web: <http://nrmaps.nt.gov.au> Map Reference: Ali-Curung_Land-Capability_Map-2-of-9

LAND CAPABILITY CLASSES

- Class 1** **HIGH - Land with negligible limitations** that is highly productive and requires only simple management practices. (0-1% slope; low wind erosion hazard; no surface rock; > 1.0 m soil depth; rapid to well-drained soil; and flood free)
- Class 2** **MODERATE - Land with minor to moderate limitations** that is productive but requires more than the simple management practices of Class 1. (1-2% slope; and/or moderate wind erosion hazard; and/or 0-2% surface rock; and/or 0.5-1.0 m soil depth; and/or moderately drained soil; and/or extremely rare flooding)
- Class 3** **MARGINAL - Land with severe limitations** that is only marginally productive and requires major management practices. (2-3% slope; and/or high wind erosion hazard; and/or 2-10% surface rock; and/or 0.25-0.5 m soil depth; and/or imperfectly drained soil; and/or rare flooding)
- Class 4** **NOT SUITABLE - Land with extreme limitations** that is not suitable for agriculture. Limitations cannot be overcome with practical or cost effective management practices. (>3% slope; and/or very high to extreme wind erosion hazard; and/or > 10% surface rock; and/or <0.25 m soil depth; and/or poor to very poorly drained soil; and/or regular to permanent flooding)

ALI CURUNG AREA MAP SERIES

Map	Map Title	Crop Group	Individual Crops Assessed
1	Land resources of the Ali Curung Area	N/A	N/A
2	General land capability of the Ali Curung Area	N/A	N/A
3	Land suitability for irrigated field crops	1	Chia, quinoa
4	Land suitability for irrigated hay and forage	2	Grass hay (Rhodes grass, panics, sorghum, oats, barley), forage legumes (lucerne, peanut)
5	Land suitability for irrigated evergreen tree crops	3	Citrus (lime, lemon, mandarin, orange, grapefruit, tangelo), mango, avocado, lychee
6	Land suitability for irrigated deciduous tree and vine crops	4	Fig, pomegranate, low chilli stone fruit, table grape
7	Land suitability for irrigated annual row crops	5	Cucurbit species (watermelon, hami melon, honeydew melon, rockmelon, pumpkin, zucchini, squash) Salad vegetables (lettuce, baby spinach, rocket) Asian greens Summer vegetables (Solanaceae species - capsicum, chilli, eggplant, tomato) Sweet corn, beans, snow peas, Brassica species
8	Land suitability for irrigated perennial row crops	6	Asparagus
9	Land suitability for irrigated root crops	7	Garlic, onion, potato, sweet potato

Map unit boundaries were derived using satellite imagery in association with digital elevation model, geological and topographic data. Landform, soil and vegetation field assessments conform to national standards and support mapping at a scale of 1:25 000. Final mapping is presented at a scale of 1:100 000.

When assessing specific areas within the mapping it is recommended a site inspection be undertaken to establish unmapped variation and confirm mapping accuracy on the ground.

This map does not indicate, imply or ascertain the likelihood of groundwater availability or the granting of appropriate water extraction licensing needed to satisfy the irrigation requirements of the potential agricultural development options indicated.

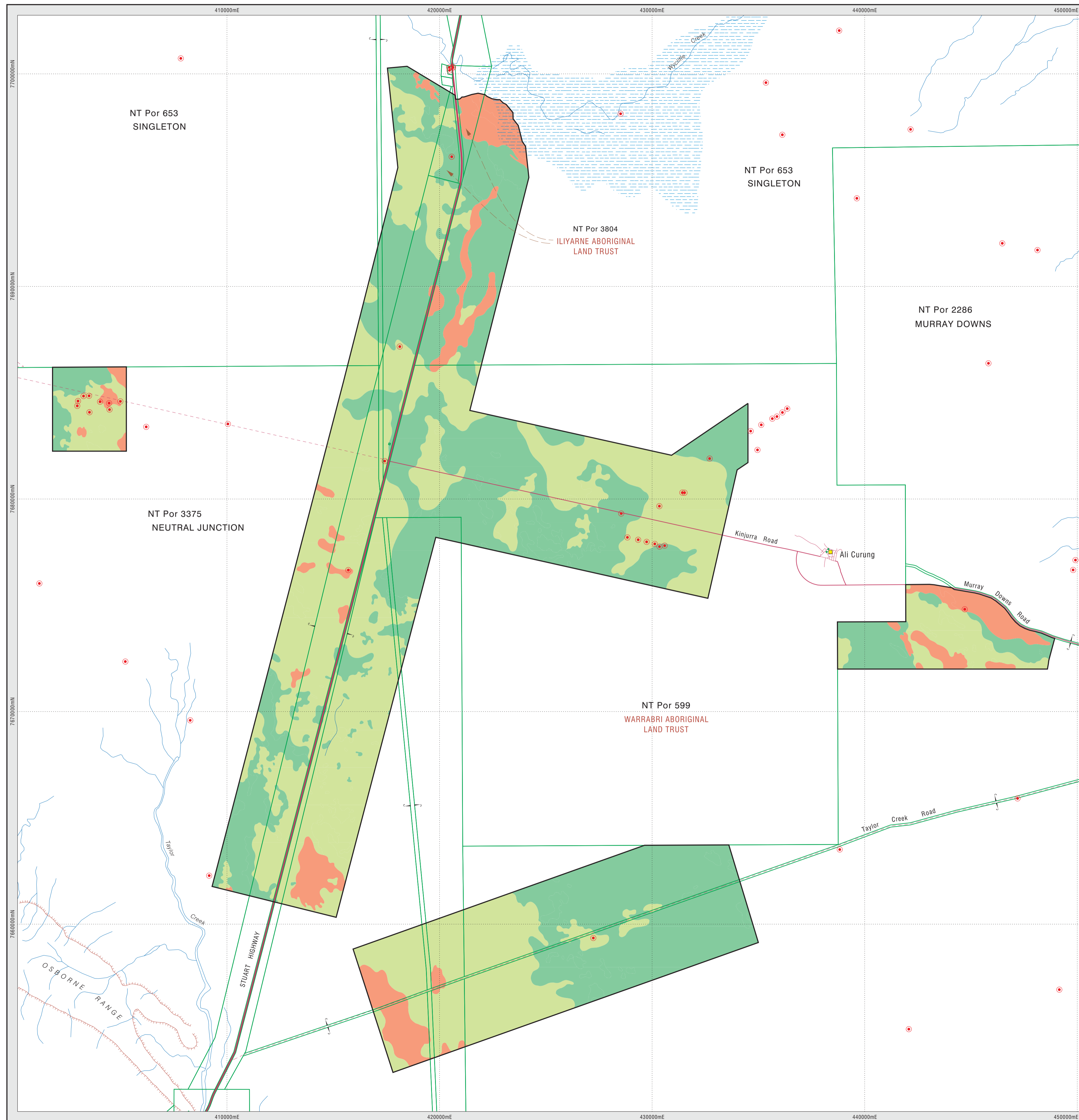
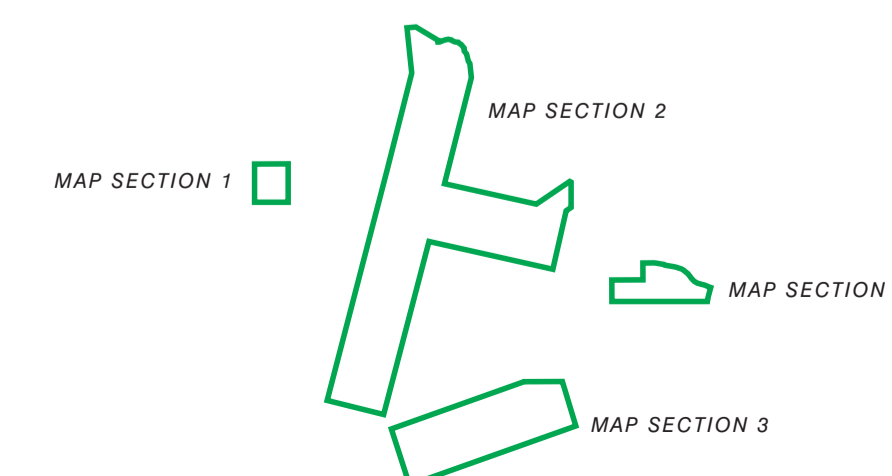
BIBLIOGRAPHIC REFERENCE:

Burgess J, McGrath N, Andrews K and Wright A (2016) *Agricultural Land Suitability Series, Report 5. Soil and Land Suitability Assessment for Irrigated Agriculture in the Ali Curung Area, Western Davenport District.* Technical Report 16/2016D. Department of Environment and Natural Resources, Northern Territory Government, Darwin, NT.

TECHNICAL REFERENCES:

National Committee on Soil and Terrain (2009) *Australian Soil and Land Survey Field Handbook*. 3rd Edition. CSIRO Publishing, Melbourne.
 Isbell R F (2002) *The Australian Soil Classification*. Revised Edition. CSIRO Publishing, Melbourne.
 Executive Steering Committee for Australian Vegetation Information (ESCAVI) (2003) *Australian Vegetation Attribute Manual: National Vegetation Information System, Version 6*. Department of Environment and Heritage, Canberra.

MAP SECTIONS



GENERAL FEATURES

- Survey boundary
- Property boundary
- Aboriginal community
- Water Bore
- Ridge
- Highway
- Minor road
- Urban road
- Local road / track
- Subject to inundation
- Drainage line

Base Information Data Sources:
 Department of Infrastructure, Planning and Logistics Northern Territory of Australia
 Geoscience Australia, Australian Government

MAP LOCALITY and 1: 100 000 MAP SHEET INDEX

NUMAGALONG 5856	WAUCHOPE 5856	DAVENPORT RANGE 5856
CRAWFORD 5855	TAYLOR 5755	MURRAY DOWNS 5855
BARRÖW 5854	HOME OF BULLION 5754	LURAPULLA 5854

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Black numbered lines are 10 000 metre intervals of the Map Grid of Australia (MGA) Zone 53 Transverse Mercator Projection Horizontal Datum: GDA 94

Cartography by R. Lim, Spatial Data and Mapping Water Resources Division Department of Environment and Natural Resources Northern Territory of Australia. November 2016.

This map was produced on the Geocentric Datum of Australia 1994 (GDA 94)

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