

LIMITATIONS OF USE

Land unit boundaries were derived using satellite imagery in association with a 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. This mapping is presented at a scale of 1:25,000.

When assessing specific areas within the mapping, it is recommended a site inspection be undertaken to establish unmappped 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 needed.

POTENTIAL IRRIGATED AGRICULTURAL CROPS		
Irrigated Crop Group	Group No.	Individual crops assessed
Field crops	1	Cotton, grains (sorghum, maize, sweet corn, rice), pulses (mung bean, soybean)
	2	Peanut
Hay and forage	3	Sub-tropical grass hay/forage (Rhodes grass, Panics, Forage Sorghum)
Tree crops	4A	Monsoonal tropical tree crops (0.5 m root zone) – Mango, Coconut, Dragonfruit, Kakadu Plum
	4B	Monsoonal tropical tree crops (1.0 m root zone) – Cashew, Jackfruit, Tamarind, Morinda citrifolia
	5	Tropical Citrus – Lime, Lemon, Mandarin, Pommelo, Lemonade, Grapefruit
	6	Cucurbits – Watermelon, Honeydew melon, Rockmelon, Pumpkin, Cucumber, Asian melons, Zucchini, Squash
Row crops	7	Fruiting vegetable crops – Solanaceae (Capsicum, Chilli, Eggplant, Tomato), Okra, Snake bean, Drumstick tree
	8	Leafy vegetables and herbs – Kangkong, Amaranth, Lettuce, Chinese cabbage, Bok Choy, Pak Choy, Choy Sum, Spring onions, Basil, Coriander, Dill, Mint, Spearmint, Chives, Oregano, Lemon grass
	9	Carrot, Onion, Sweet potato, Shallots, Ginger, Turmeric, Galangal, Yam bean, Taro
Forestry	10	Sandalwood
	11	Mahogany, <i>Eucalyptus</i> spp., <i>Acacia</i> spp.
Rainfed Crop Group	Group No.	Individual crops assessed
Hay and forage	12	Sub-tropical grass hay/forage (Jarra, Strickland, Tully, Cavalcade, Forage Sorghum)

GENERAL LAND CAPABILITY CLASSES

Class 1

Land with negligible constraints that require only a basic level of inputs, expertise and investment to develop and manage the land sustainably.  
(ASS not present; flood-free; gilgai absent, ECe <2 dS/m; ESP <6%; 0-1% slope; >1.0 m soil depth; rapid to well-drained soil; no surface rock; low wind erosion hazard)

Class 2

Land with minor or moderate constraints that require a greater level of inputs, expertise and investment than Class 1 to develop and manage the land sustainably.  
(ASS not present; and/or flooding extremely rare; and/or gilgai vertical interval <0.3 m; and/or ECe 2-4 dS/m; and/or ESP 6-15%; and/or 1-2% slope; and/or soil depth 0.5-1.0 m; and/or moderately drained soil; and/or 0-2% surface rock; and/or moderate wind erosion hazard)

Class 3

Land with severe constraints that require a high level of inputs, expertise and investment to develop and manage the land sustainably.  
(ASS not present; and/or flooding rare; and/or gilgai vertical interval 0.3-0.6 m; and/or ECe 4-8 dS/m; and/or ESP 15-20%; and/or 2-3% slope; and/or 0.25-0.5 m soil depth; and/or imperfectly drained soil; and/or 2-10% surface rock; and/or high wind erosion hazard)

Class 4

Land with extreme constraints that generally require an unacceptable level of inputs, expertise and investment to develop and manage the land sustainably; making it either impractical, uneconomic or environmentally unsound to proceed. Where development must proceed the effects must be mitigated.  
(ASS present; and/or regular to permanent flooding; and/or gilgai vertical interval >0.6 m; and/or ECe >8 dS/m; and/or ESP >20%; and/or >3% slope; and/or <0.25 m soil depth; and/or poor to very poorly drained soil; and/or >10% surface rock; and/or very high wind to extreme erosion hazard)

LEGEND - LAND RESOURCES

Detailed field site

Detailed field site and analytical site

Extent of Mapping

Land Units

Landform Class

Low Rises

7a1

Plains

8a1; 8a2

8b1; 8b2; 8b4

8c1; 8c2; 8c3; 8c5

Alluvial Plains

9a1; 9a2; 9a3

Swamps

11a1

Dominant Soil Order

Dermosols

Kandosols

Tenosols

Vertosols

Dominant Veg Structure

Mid open woodland

Low open woodland

General Land Capability Class

2 - Minor or moderate constraints

3 - Severe constraints

4 - Extreme constraints

LAND SUITABILITY CLASSES FOR IRRIGATED AGRICULTURE

Class 1

Land with negligible limitations  
Highly productive land requiring only simple management practices to maintain sustainable production.

Class 2

Suitable land minor limitations  
Land with minor limitations that either constrain production or require more than the simple management practices of Class 1 land to maintain sustainable production.

Class 3

Suitable land moderate limitations  
Land with moderate limitations that further constrain production or require more than the management practices of Class 2 land to maintain sustainable production.

Class 4

Unsuitable land with severe limitations  
Currently unsuitable land with severe limitations that preclude successful or sustained use under existing conditions. Future changes in knowledge, economics or technology may alter this.

Class 5

Unsuitable land with extreme limitations  
Land with extreme limitations that preclude any possibility of successful or sustained use, either now or in the future.

Survey Area - Region Location

How to access land resource information for this survey

Technical Report [Download report](#) (PDF) from the Northern Territory Library  
About the spatial data [Metadata record](#)

This land resource spatial data and other environmental information can be accessed for download via the DENR Geospatial Resources [webpage](#). See Spatial data package.

View soil site data and descriptions in the DENR web application [NRmaps.nt.gov.au](#)  
Data layer: Land Resources(SALI) Soil Profile Descriptions

**Data source**  
Land Resources: Rangelands Division, Department of Environment and Natural Resources  
Cadastre/Roads/Place names: Department of Lands, Planning and Logistics  
Drainage: 250k Commonwealth of Australia (Bureau of Meteorology) 2014  
Parks: Parks and Wildlife Commission NT, Department of Tourism and Culture

**Bibliographic reference**  
McGrath N, Andrews K, Firby L, Walton S and Burgess J (2019). *Agricultural Land Suitability Series – Report 15. Soil and Land Suitability Assessment for Irrigated Agriculture on NT Portion 4478 and 4663 in the Larrimah Township area, Sturt Plateau*. Technical Report 18/2018D. Department of Environment and Natural Resources, Northern Territory Government, Darwin, NT.

**Associated report**  
Burgess J, McGrath N, Andrews K, and Wright A (2015). *Agricultural Land Suitability Series – Report 1. Soil and Land Suitability Assessment for Irrigated Agriculture in the Larrimah area, Sturt Plateau*. Technical Report 19/2015D. Department of Land Resource Management, Northern Territory Government, Darwin, NT.

**Technical references**  
National Committee on Soil and Terrain (2009). *Australian Soil and Land Survey Field Handbook, 3rd Edition*. Canberra, Australian Collaborative Land Evaluation Program, CSIRO Publishing, Melbourne.  
Isbell, R. F. and National Committee on Soil and Terrain (2016). *The Australian Soil Classification. Second 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.

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Department of Environment and Natural Resources

Soil and Land Suitability Assessment for Irrigated Agriculture on NT Portion 4478 and 4663 in the Larrimah Township area, Sturt Plateau

About this PDF map  
Page 1 of this file is an interactive PDF map best viewed on screen using Adobe reader. If using Adobe Reader DC protected view, enable all features to see the map layers.  
- Open folders in the left panel to view the individual map layers  
- Users may turn layers ON or OFF  
- Turn off layers above to view layers that are masked underneath  
- Titles will automatically turn on to match the thematic display  
- Only print one thematic display, so the titles do not merge  
- To print this map, use page size A1 with no scaling

Scroll to pages 2 - 4 for summarised descriptions of land units (page size A3)

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Soil and Land Suitability Assessment for Irrigated Agriculture on NT Portion 4478 and 4663 in the Larrimah Township area, Sturt Plateau.

LAND UNIT DESCRIPTION SUMMARY

This document should be read in conjunction with the following report:

McGrath N, Andrews K, Firby L, Walton S and Burgess J (2019).

*Agricultural Land Suitability Series, Report 15.*

*Soil and Land Suitability Assessment for Irrigated Agriculture*

*on NT Portion 4478 and 4663 in the Larrimah Township area, Sturt Plateau*

Technical Report 18/2018D, Department of Environment and Natural Resources

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Web: [soil-land-vegetation-information](http://soil-land-vegetation-information)

[Metadata:](#) for spatial data details and web links to reports and map products.

Land Unit Core Attributes

<i>Land Unit</i>	<i>Landform Class</i>	<i>Dominant Soil Order</i>	<i>Dominant Veg Structure</i>	<i>Dominant Veg Species 1</i>	<i>Dominant Veg Species 2</i>	<i>Dominant Veg Species 3</i>	<i>Landform Description</i>	<i>Soil Description</i>	<i>Vegetation Description</i>
<b>7a1</b>	Low Rises	Tenosols	Mid open woodland	<i>Corymbia dichromophloia</i>	<i>Erythrophleum chlorostachys</i>	<i>Corymbia confertiflora</i>	Gently undulating to undulating residual low rises within the gently dissected plateau surface; local relief 3-9 m; slopes <1-5%.	Very shallow (0.2-0.25 m), gravelly and/or stony, hardsetting, massive brown or red earthy sand or gradational earth (SL-SL+ sub-surface), overlying hard ferricrete or petroreticulate (Petroferric Red Kandosol or Petroferric Leptic Tenosol).	<i>Corymbia dichromophloia</i> and <i>Erythrophleum chlorostachys</i> mid open woodland.
<b>8a1</b>	Plains	Kandosols	Mid open woodland	<i>Corymbia dichromophloia</i>	<i>Terminalia canescens</i>	<i>Erythrophleum chlorostachys</i>	Very weakly dissected, level to gently undulating residual pediments and plains; local relief 1-5 m; slopes <1-3%.	Shallow to deep (0.3-1.4 m), gravelly, hardsetting, sandy to loamy surfaced, massive brown or red gradational earth (SCL-CLS subsoil), overlying hard ferricrete or petroreticulate (Petroferric Red or Brown Kandosol).	<i>Corymbia dichromophloia</i> mid open woodland.
<b>8a2</b>	Plains	Tenosols	Mid open woodland	<i>Corymbia ferruginea</i>	<i>Corymbia dichromophloia</i>	<i>Erythrophleum chlorostachys</i>	Very weakly dissected, level to gently undulating residual pediments and plains; local relief 1-4 m; slopes <1-3%.	Moderately deep (0.7-0.85 m), slightly gravelly, firm or hardsetting, massive, bleached brown or grey earthy sand (LS subsoil), overlying hard ferricrete or petroreticulate (Petroferric Bleached-Orthic or Grey-Orthic Tenosol).	<i>Corymbia ferruginea</i> and <i>Corymbia dichromophloia</i> mid open woodland.
<b>8b1</b>	Plains	Kandosols	Mid open woodland	<i>Corymbia ferruginea</i>	<i>Corymbia polycarpa</i>	<i>Erythrophleum chlorostachys</i>	Level to very gently undulating plains and lower pediment slopes; local relief <1-5 m; slopes <0.5-2%.	Very deep (>1.5 m), hardsetting, loamy surfaced, massive red gradational earth (CLS-LC subsoil) with a fine to medium sand fraction (Mesotrophic Red Kandosol).	<i>Corymbia ferruginea</i> , <i>Corymbia polycarpa</i> and <i>Erythrophleum chlorostachys</i> mixed species mid open woodland.
<b>8b2</b>	Plains	Kandosols	Mid open woodland	<i>Corymbia ferruginea</i>	<i>Corymbia polycarpa</i>	<i>Erythrophleum chlorostachys</i>	Level to very gently undulating plains and lower pediment slopes; local relief <1-5 m; slopes <0.5-2%.	Moderately deep to very deep (0.8->1.5 m), slightly gravelly, hardsetting, loamy surfaced, massive red gradational earth (SCL-LC) with a fine to medium sand fraction, often overlying petroreticulate (Petroferric or Mesotrophic Red Kandosol).	<i>Corymbia ferruginea</i> , <i>Corymbia polycarpa</i> and <i>Erythrophleum chlorostachys</i> mixed species mid open woodland.
<b>8b4</b>	Plains	Kandosols	Mid open woodland	<i>Lophostemon grandiflorus</i>	<i>Terminalia platyptera</i>	<i>Corymbia confertiflora</i>	Level lower footslopes, surrounding or adjacent to internally drained seasonal swamps (within the plateau surface); local relief 1-2 m above swamps; slopes <1%. Rarely inundated during the Wet season.	Shallow to very deep (0.3->1.5 m), hardsetting, commonly bleached, loamy to clayey surfaced, massive brown gradational earth or non-cracking clay, often overlying petroreticulate (Petroferric or Mesotrophic Brown Kandosol or Dermosol).	<i>Lophostemon grandiflorus</i> and <i>Terminalia platyptera</i> mid open woodland.
<b>8c1</b>	Plains	Kandosols	Mid open woodland	<i>Bauhinia cunninghamii</i>	<i>Gyrocarpus americanus</i>	<i>Hakea arborescens</i>	Level to very gently undulating plains and lower pediment slopes; local relief <1-5 m; slopes <1- 2%, occasionally to 3%.	Very deep (>1.5 m), loose, soft or firm, thick sandy surfaced, massive red gradational earth (SCL-CLS subsoil) with a medium to coarse sand fraction (Mesotrophic Red Kandosol).	<i>Bauhinia cunninghamii</i> mid open woodland.
<b>8c2</b>	Plains	Kandosols	Mid open woodland	<i>Corymbia polycarpa</i>	<i>Corymbia confertiflora</i>	<i>Erythrophleum chlorostachys</i>	Level to very gently undulating plains and lower pediment slopes; local relief <1-5 m; slopes <0.5- 2%, occasionally to 3%.	Very deep (>1.5 m), soft, firm or hardsetting, thin sandy surfaced, massive red gradational earth (SCL-CLS subsoil) with a medium to coarse sand fraction (Mesotrophic or Petroferric Red Kandosol).	<i>Corymbia polycarpa</i> and <i>Corymbia confertiflora</i> mixed species mid open woodland.
<b>8c3</b>	Plains	Kandosols	Mid open woodland	<i>Corymbia polycarpa</i>	<i>Corymbia confertiflora</i>	<i>Erythrophleum chlorostachys</i>	Level to very gently undulating plains and lower pediment slopes; local relief 1-5 m; slopes <1-2%, occasionally to 3%.	Moderately deep to deep (0.65-1.2 m), soft, firm or hardsetting, thin sandy surfaced, massive red gradational earth (SCL-CLS subsoil) with a medium to coarse sand fraction, overlying hard ferricrete or petroreticulate (Petroferric Red Kandosol).	<i>Corymbia polycarpa</i> and <i>Corymbia confertiflora</i> mixed species mid open woodland.
<b>8c5</b>	Plains	Tenosols	Mid open woodland	<i>Corymbia greeniana</i>	<i>Corymbia confertiflora</i>	<i>Erythrophleum chlorostachys</i>	Gently undulating to undulating, lower footslopes (below Land Unit 8c1 and 8c2) immediately adjacent to Birdum Creek; local relief 1-5 m above the alluvium; slopes 1-4%.	Very deep (>1.5 m), loose or soft, massive brown earthy sand (LS subsoil) with a medium to coarse sand fraction (Arenic or Regolithic Brown-Orthic Tenosol).	<i>Corymbia greeniana</i> mixed species mid open woodland.
<b>9a1</b>	Alluvial Plains	Vertosols	Low open woodland	<i>Eucalyptus microtheca</i>			Channelled floodplain of Birdum Creek; local relief 15-20 m below the plateau surface; slopes <1%. Subject to flooding and temporary saturation for at least a period of weeks during the Wet season (ARI more frequent than 1 in 2 years).	Very deep (>1.5 m), gilgaied, firm pedal, mottled, grey cracking clay (MHC subsoil) on recent alluvium (Epipedal Grey or Aquic Vertosol).	<i>Eucalyptus microtheca</i> low open woodland.
<b>9a2</b>	Alluvial Plains	Dermosols	Low open woodland	<i>Eucalyptus microtheca</i>	<i>Bauhinia cunninghamii</i>	<i>Terminalia volucris</i>	Elevated backplains of Birdum Creek; local relief 15-20 m below the plateau surface, 1-2 m above the channelled floodplain; slopes <0.5%. Subject to moderate duration Wet season inundation (ARI 1 in 2 to 1 in 10 years).	Very deep (>1.5 m), commonly gilgaied, firm or hardsetting, massive to structured, mottled, yellow texture contrast soil or brown non-cracking clay (LMC-MC subsoil) on recent alluvium (Eutrophic Yellow Chromosol or Hypocalcic Brown Dermosol).	<i>Eucalyptus microtheca</i> and <i>Bauhinia cunninghamii</i> low open woodland.
<b>9a3</b>	Alluvial Plains	Vertosols	Low open woodland	<i>Eucalyptus microtheca</i>	<i>Bauhinia cunninghamii</i>	<i>Terminalia volucris</i>	Elevated backplains of Birdum Creek; local relief 15-20 m below the plateau surface, 1-2 m above the channelled floodplain; slopes <0.5%. Subject to moderate duration Wet season inundation (ARI 1 in 2 to 1 in 10 years).	Very deep (>1.5 m), gilgaied, hardsetting to firm pedal, mottled, black or grey cracking clay (MHC subsoil) on recent alluvium (Epipedal Black or Grey Vertosol).	<i>Eucalyptus microtheca</i> and <i>Bauhinia cunninghamii</i> low open woodland.
<b>11a1</b>	Swamps	Vertosols	Low open woodland	<i>Eucalyptus microtheca</i>			Poorly drained seasonal swamps and closed depressions; local relief 5-10 m below the plateau surface; slopes <0.5%, up to 1% near margins. Subject to local inundation during the Wet season (ARI more frequent than 1 in 2 years).	Very deep (>1.5 m), gilgaied, hardsetting to firm pedal, mottled, grey cracking clay (MHC subsoil) on locally sourced palustrine alluvium (Epipedal Aquic Vertosol).	<i>Eucalyptus microtheca</i> low open woodland.

Landscape criteria used to assess general land capability

Land Unit	Slope %	Slope Class	Surface Rock %	Surface Rock Class	Soil Depth (m)	Soil Depth Class	Drainage Class	Flooding Class	Salinity Class	Sodicity Class	Microrelief Class	Land Cap Class
7a1	<1-5%	Level to substantial	0-30%	None to abundant	0.2-0.25 m	Very shallow	Moderately well	Never	Low salinity	Non-sodic	None	4
8a1	<1-3%	Level to substantial	0-4%	None to moderate	0.3-1.4 m	Shallow to deep	Moderately well	Never	Low salinity	Non-sodic	None	3
8a2	<1-3%	Level to substantial	0%	None	0.7-0.85 m	Moderately deep	Imperfect to moderately well	Never	Low salinity	Non-sodic	None	3
8b1	<0.5-2%	Level to gentle	0%	None	>1.5 m	Very deep	Well	Never	Low salinity	Non-sodic	None	2
8b2	<0.5-2%	Level to gentle	0%	None	0.8->1.5 m	Moderately deep to very deep	Moderately well to well	Never	Low salinity	Non-sodic	None	2
8b4	<1%	Level	0-10%	None to moderate	0.3->1.5 m	Shallow to very deep	Imperfect	Rare	Low salinity	Non-sodic	None	3
8c1	<1-2%	Level to gentle	0%	None	>1.5 m	Very deep	Well	Never	Low salinity	Non-sodic	None	2
8c2	<1-2%	Level to gentle	0%	None	>1.5 m	Very deep	Well	Never	Low salinity	Non-sodic	None	2
8c3	<1-2%	Level to gentle	0%	None	0.65-1.2 m	Moderately deep to deep	Moderately well	Never	Low salinity	Non-sodic	None	2
8c5	1-4%	Gentle to substantial	0%	None	>1.5 m	Very deep	Well	Never	Low salinity	Non-sodic	None	4
9a1	<1%	Level	0%	None	>1.5 m	Very deep	Poor to imperfect	Regular	Moderate salinity	Non-sodic	Negligible	4
9a2	<0.5%	Level	0%	None	>1.5 m	Very deep	Imperfect	Regular	Moderate salinity	Non-sodic	None to negligible	4
9a3	<0.5%	Level	0%	None	>1.5 m	Very deep	Imperfect	Regular	Low salinity	Non-sodic	Moderate to severe	4
11a1	<0.5-1%	Level	0%	None	>1.5 m	Very deep	Poor	Regular	Low salinity	Non-sodic	Moderate	4

Land Cap Class	General land capability class description and associated assessment criteria.
1	<b>Land with negligible constraints</b> that require only a basic level of inputs, expertise and investment to develop and manage the land sustainably.
	(ASS not present; flood-free; gilgai absent, ECe <2 dS/m; ESP <6%; 0-1% slope; >1.0 m soil depth; rapid to well-drained soil; no surface rock; low wind erosion hazard)
2	<b>Land with minor or moderate constraints</b> that require a greater level of inputs, expertise and investment than Class 1 to develop and manage the land sustainably.
	(ASS not present; and/or flooding extremely rare; and/or gilgai vertical interval <0.3 m; and/or ECe 2-4 dS/m; and/or ESP 6-15%; and/or 1-2% slope; and/or soil depth 0.5-1.0 m; and/or moderately drained soil; and/or 0-2% surface rock; and/or moderate wind erosion hazard)
3	<b>Land with severe constraints</b> that require a high level of inputs, expertise and investment to develop and manage the land sustainably.
	(ASS not present; and/or flooding rare; and/or gilgai vertical interval 0.3-0.6 m; and/or ECe 4-8 dS/m; and/or ESP 15-20%; and/or 2-3% slope; and/or 0.25-0.5 m soil depth; and/or imperfectly drained soil; and/or 2-10% surface rock; and/or high wind erosion hazard)
4	<b>Land with extreme constraints</b> that generally require an unacceptable level of inputs, expertise and investment to develop and manage the land sustainably; making it either impractical, uneconomic or environmentally unsound to proceed. Where development must proceed the effects must be mitigated.
	(ASS present; and/or regular to permanent flooding; and/or gilgai vertical interval >0.6 m; and/or ECe >8 dS/m; and/or ESP >20%; and/or >3% slope; and/or <0.25 m soil depth; and/or poor to very poorly drained soil; and/or >10% surface rock; and/or very high wind to extreme erosion hazard)

Agricultural suitability class for a range of potential crop groups

<i>Land Unit</i>	<i>Group 1</i>	<i>Group 2</i>	<i>Group 3</i>	<i>Group 4A</i>	<i>Group 4B</i>	<i>Group 5</i>	<i>Group 6</i>	<i>Group 7</i>	<i>Group 8</i>	<i>Group 9</i>	<i>Group 10</i>	<i>Group 11</i>	<i>Group 12</i>
7a1	5	5	5	4	5	5	5	5	5	5	5	5	5
8a1	5	5	5	4	4	4	5	5	5	5	5	5	5
8a2	5	5	4	4	4	4	5	5	5	5	5	5	5
8b1	3	3	3	2	2	2	2	2	3	3	2	2	3
8b2	3	3	3	2	3	3	2	2	3	3	3	3	3
8b4	5	5	5	3	4	4	5	5	5	5	5	5	5
8c1	2	2	2	1	1	2	2	2	3	3	2	1	2
8c2	2	2	2	1	1	1	2	2	2	2	1	1	2
8c3	3	3	2	2	3	3	2	2	3	3	3	3	2
8c5	5	5	5	4	4	4	5	5	5	5	4	4	5
9a1	5	5	5	5	5	5	5	5	5	5	5	5	5
9a2	4	5	4	3	3	4	4	4	5	5	4	5	4
9a3	5	5	5	5	5	5	5	5	5	5	5	5	5
11a1	5	5	5	5	5	5	5	5	5	5	5	5	5

Definitions for land suitability classes 1-5 for agricultural crops

<i>Class</i>	<i>Description</i>
1	<b>Suitable land with negligible limitations</b> Highly productive land requiring only simple management practices to maintain sustainable production.
2	<b>Suitable land with minor limitations</b> Land with minor limitations that either constrain production or require more than the simple management practices of Class 1 land to maintain sustainable production.
3	<b>Suitable land with moderate limitations</b> Land with moderate limitations that further constrain production or require more than the management practices of Class 2 land to maintain sustainable production.
4	<b>Unsuitable land with severe limitations</b> Currently unsuitable land with severe limitations that preclude successful or sustained use under existing conditions. Future changes in knowledge, economics or technology may alter this.
5	<b>Unsuitable land with extreme limitations</b> Land with extreme limitations that preclude any possibility of successful or sustained use, either now or in the future.

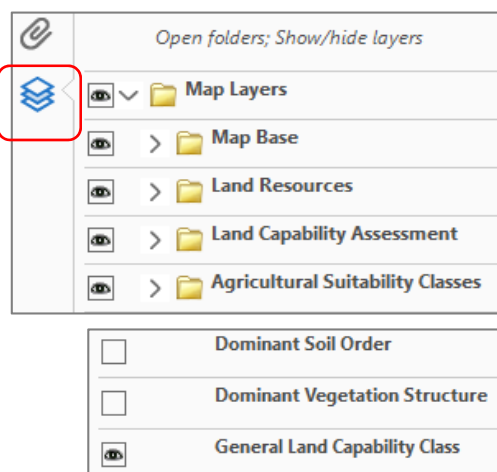
<i>Irrigated Crop Group</i>	<i>Group no.</i>	<i>Individual crops assessed</i>
Field crops	1	Cotton, grains (sorghum, maize, sweet corn, rice), pulses (mung bean, soybean)
	2	Peanut
Hay and forage	3	Sub-tropical grass hay/forage (Rhodes grass, panics, forage sorghum)
Tree crops	4A	Monsoonal tropical tree crops (0.5 m root zone) – Mango, Coconut, Dragonfruit, Kakadu Plum, Bamboo
	4B	Monsoonal tropical tree crops (1.0 m root zone) – Cashew, Jackfruit, Tamarind, Morinda citrifolia
	5	Tropical Citrus – Lime, Lemon, Mandarin, Pommelo, Lemonade, Grapefruit
Row crops	6	Cucurbits – Watermelon, Honeydew melon, Rockmelon, Pumpkin, Cucumber, Asian melons, Zucchini, Squash
	7	Fruiting vegetable crops – Solanaceae (Capsicum, Chilli, Eggplant, Tomato), Okra, Snake bean, Drumstick tree
	8	Leafy vegetables and herbs – Kangkong, Amaranth, Lettuce, Chinese cabbage, Bok Choy, Pak Choy, Choy Sum, Spring onions, Basil, Coriander, Dill, Mint, Spearmint, Chives, Oregano, Lemon grass
Root crops	9	Carrot, Onion, Sweet potato, Shallots, Ginger, Turmeric, Galangal, Yam bean, Taro
Forestry	10	Sandalwood
	11	Mahogany, <i>Eucalyptus spp.</i> , <i>Acacia spp.</i>
<i>Rain-fed Crop Group</i>	<i>Group no.</i>	<i>Individual crops assessed</i>
Hay and forage	12	Sub-tropical grass hay/forage (Jarra, Strickland, Tully, Cavalcade, Forage Sorghum)

## About viewing this interactive PDF map using Adobe Reader

Interactive layers are not visible via web view. Download the map to your computer.

Click to **View Map**

Click to **View Land Unit Summary Descriptions**



### Page 1 of this document contains an Interactive Map with layers

In Adobe Reader, open the left panel to reveal the map layers.

Open each folder to see the individual map layers.

Hide or show layers on the main map

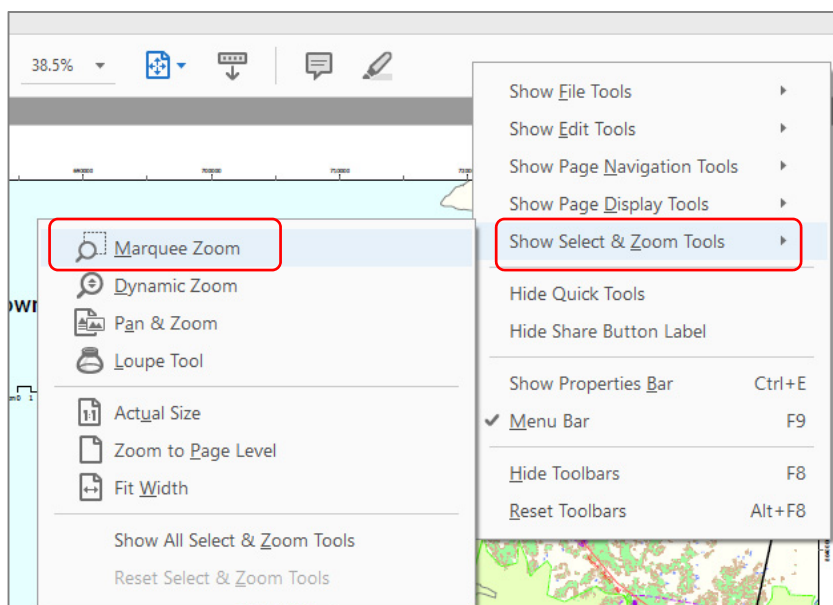
Turn off layers above as they will mask the layer below.

Titles will automatically turn on to match the layer.

### Scroll to Pages 2 - 4 to view the Land Unit Summary Descriptions

Each land unit polygon is described with a large set of attributes. The page size is A3.

This summary description should be read in conjunction with the [survey report](#).



### How to add new Adobe tools

Right mouse click on the grey menu toolbar to see Adobe viewing tools.

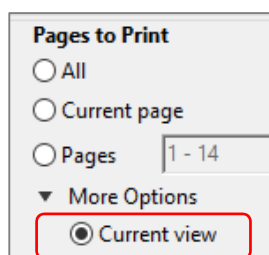
Tick the tool to view on the menu bar.

The **Marquee Zoom tool** is useful to view a small area on the PDF, eg zoom to the map or the legend.

Show Select & Zoom Tools > Marquee Zoom

Click on the map and draw a rectangle to zoom to that location.

## Printing



Page 1 (the map) is 84.1 x 59.4 cm. Print to a large format printer as size A1 with no scaling.

Only turn on one layer, so the titles do not merge.

A smaller area on the map page may be printed using the Current View printing option.

Eg. Zoom to the Map Legend and print to an A4 or A3 page to assist with map interpretation while viewing on screen.