



BIBLIOGRAPHIC REFERENCE:
Carnvas M, Grealish G and Burley P
SOIL AND LAND SUITABILITY ASSESSMENT FOR IRRIGATED AGRICULTURE in the TENNANT CREEK WEST AREA
Northern Territory Nov 2016 DENR Technical Report 10/2016D Land Assessment Branch, Rangelands Division,
Department of Environment and Natural Resources, Palmerston, Northern Territory.

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, RF (2002), *THE AUSTRALIAN SOIL CLASSIFICATION* 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.

GENERAL FEATURES

Limit of mapping	Fence
Property boundary	Water bore
Local road / track	Water tank
Kunayungku	Family outstation
Gas pipeline	Drainage line

MAP LOCALITY

TENNANT CREEK WEST AREA LOCATION

© Northern Territory of Australia
This product and all material forming part of it is copyright belonging to the Northern Territory of Australia. You may use this material for your personal, non-commercial use or use it within your organisation for non-commercial purposes, provided that an appropriate acknowledgement is made and the material is not altered in any way. Subject to the fair dealing provisions of the Copyright Act 1968, you must not make any other use of this product (including copying or reproducing it or part of it in any way) unless you have the written permission of the Northern Territory of Australia to do so.
The Northern Territory of Australia does not warrant that the product or any part of it is correct or complete and will not be liable for any loss damage or injury suffered by any person as a result of its inaccuracy or incompleteness.

Cartography by L. Fritz & R. Lim,
Spatial Data and Mapping,
Water Resources,
Department of Environment and Natural Resources,
Northern Territory of Australia
NOVEMBER 2016

TENNANT CREEK WEST AREA MAP SERIES		
Map	Map Title	
1	LAND RESOURCES of the TENNANT CREEK WEST AREA	
2	GENERAL LAND CAPABILITY of the TENNANT CREEK WEST AREA	
Potential Irrigated Agricultural Crops		
Map	Map Title / Crop Group	Individual Crops Assessed
3	LAND SUITABILITY for IRRIGATED CROPS - GROUP 1	Chia, quinoa
	LAND SUITABILITY for IRRIGATED HAY/FORAGE CROPS - GROUP 2	Grass hay - rhodes grass, panics, sorghum, oats, barley Forage legumes - lucerne, peanut
	LAND SUITABILITY for IRRIGATED EVERGREEN TREE CROPS - GROUP 3	Citrus - lime, lemon, mandarin, orange, grapefruit, tangelo, Mango, avocado, longan, lychee
	LAND SUITABILITY for IRRIGATED DECIDUOUS TREE & VINE CROPS - GROUP 4	Fig, pomegranate, low chill stone fruit, table grape
	LAND SUITABILITY for IRRIGATED ANNUAL ROW CROPS - GROUP 5	Cucurbits - watermelon, hami melon, honeydew melon, rock melon, pumpkin, zucchini, squash Salad vegetables - lettuce, baby spinach, rocket Asian greens Summer vegetables - Solanaceae (capsicum, chilli, eggplant, tomato), sweet corn, beans, snow peas, brassicas
	LAND SUITABILITY for IRRIGATED PERENNIAL ROW CROPS - GROUP 6	Asparagus
	LAND SUITABILITY for IRRIGATED ROOT CROPS - GROUP 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 1:50 000.

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.

Black numbered lines are 5000 metre intervals of the Map Grid of Australia (MGA) Zone 53 Transverse Mercator Projection. Horizontal Datum: GDA 94. Vertical Datum: AHD (metres).

This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.
CC BY-NC-SA
GDA This map was produced on the Geocentric Datum of Australia 1994 (GDA 94)

LAND SUITABILITY CLASSES

Class 1	SUITABLE LAND WITH NEGLIGIBLE LIMITATIONS Highly productive land requiring only simple management practices to maintain sustainable production.
Class 2	SUITABLE LAND WITH 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 WITH 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.

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.

NORTHERN TERRITORY GOVERNMENT

Soil and Land Suitability Assessment for Irrigated Agriculture
TENNANT CREEK WEST AREA
Map 3 of 3
LAND SUITABILITY for IRRIGATED CROP GROUPS of the TENNANT CREEK WEST AREA

For further information contact:
Department of Environment and Natural Resources
Director, Land Assessment, Rangelands Division
Ph. (08) 8999 4443. Email: rangelands@nt.gov.au Web: http://denr.nt.gov.au
Level 3, Goyder Centre, 25 Chung Wah Terrace, Palmerston, Northern Territory of Australia.
Web: http://irmpaps.nt.gov.au Map Reference: Tennant-Ck-West_Irrig-Land-Suitability_Map-3