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 You should obtain professional advice relevant to your specific circumstances and needs.



NORTHERN TERRITORY GOVERNMENT Mapping the Future

Mapping the Future Project - Western Davenport

SOIL and LAND RESOURCES of the WESTERN DAVENPORT AREA

For further information contact:
 Department of Environment, Parks and Water Security
 Mapping the Future Project
 Web: <https://depws.nt.gov.au/DevelopmentOpportunities>

Bibliographic references:
 Carnavas, M. (2022). *Mapping the Future Project - Western Davenport. Soil and Land Resources of Neutral Junction and Murray Downs.* Technical Report 5/2022. Department of Environment, Parks and Water Security Darwin, NT.
 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 All Curung Area, Western Davenport District.* Technical Report 16/2016D. Department of Environment and Natural Resources, Darwin, NT.
Technical references:
 National Committee on Soil and Terrain (2009). *Australian Soil Classification, 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.

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Mapping the Future Project - Western Davenport

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

Reports and maps can be viewed from the Development Opportunities webpage:
<https://depws.nt.gov.au/DevelopmentOpportunities>

Cruickshank, S. (2022). *Mapping the Future Project - Western Davenport. Development Potential of the Western Davenport Area.* Technical Report 6/2022. Department of Environment, Parks and Water Security, Darwin, NT.
Stokeld, D., Leiper, I., Brim Box, J., Jobson, P., Nano, C. and Box, P. (2022). *Mapping the Future Project - Western Davenport. Biodiversity assessment for the Western Davenport District.* Technical Report 30/2021. Department of Environment, Parks and Water Security, Darwin, NT.
Nano, C., Jobson, P., Randall, D. and Brim Box, J. (2021). *Ecological characteristics of potential groundwater dependent vegetation in the Western Davenport Water Control District.* Technical Report 19/2021. Department of Environment, Parks and Water Security, Darwin, NT.
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GENERAL LAND CAPABILITY CLASSES

Class 1 Land with negligible constraints
 Require only a basic level of inputs, expertise and investment to develop and manage the land sustainably. (0-1% slope; >1.0 m soil depth; rapid to well-drained soil; no surface rock; low wind erosion hazard; and flood free).

Class 2 Land with minor or moderate constraints
 Require a greater level of inputs, expertise and investment than Class 1 to develop and manage the land sustainably. (1-2% slope; and/or 0.5-1.0 m soil depth; and/or moderately drained soil; and/or 0-2% surface rock; and/or moderate wind erosion hazard; and/or extremely rare flooding).

Class 3 Land with severe constraints
 Require a high level of inputs, expertise and investment to develop and manage the land sustainably. (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; and/or rare flooding).

Class 4 Land with extreme constraints
 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 (>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 to extreme wind erosion hazard; and/or regular to permanent flooding).

