



PART OF Mapping the Future

NORTHERN TERRITORY GOVERNMENT

Mapping the Future Project - Gunn Point

VEGETATION and BIODIVERSITY of the GUNN POINT AREA

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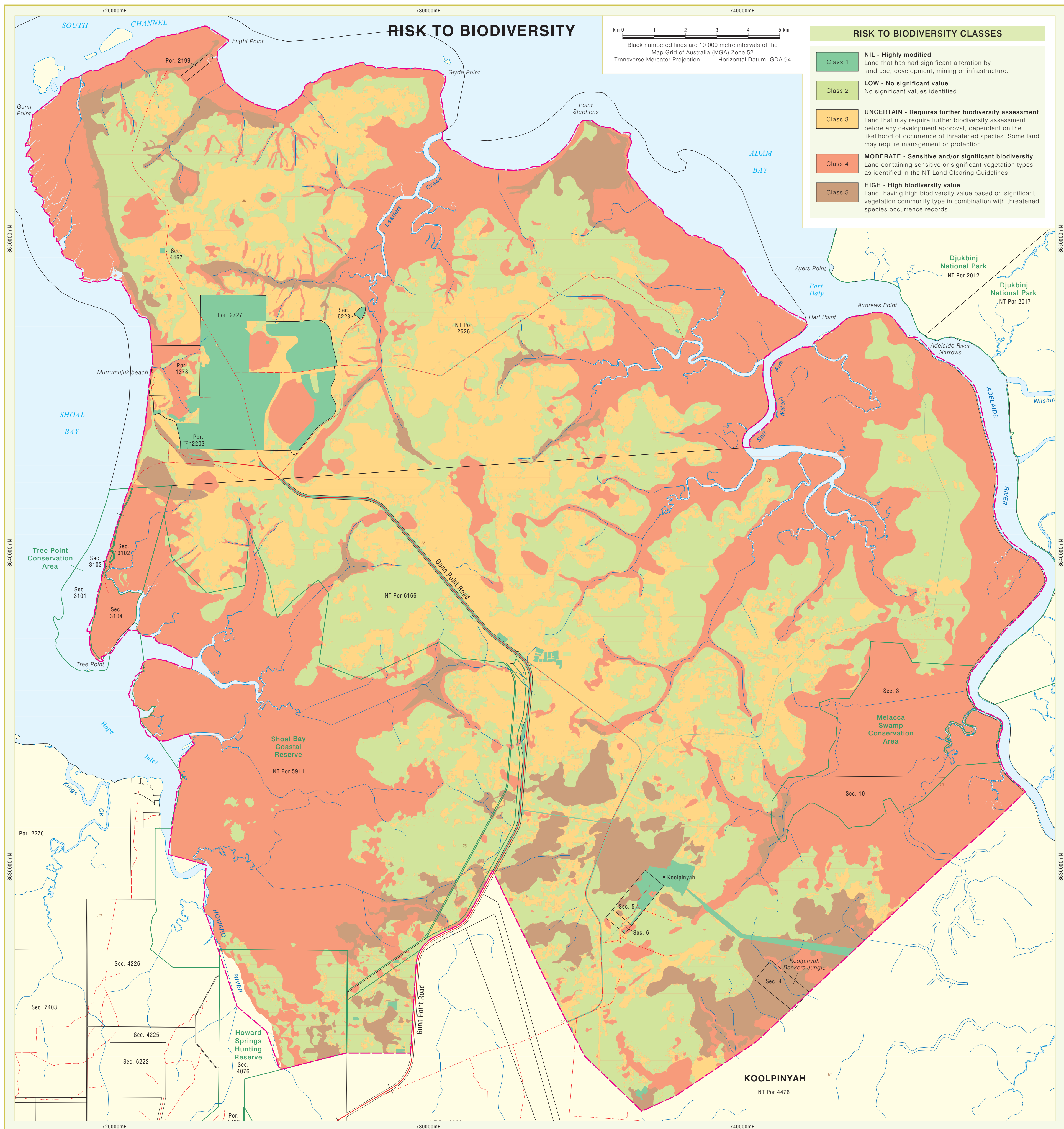
Bibliographic References:
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 Stokeld, D., Leiper, J., Cuff, N., Cowie, L., Lewis, D. and Einoder, L. (2020). Biodiversity Assessment of the Gunn Point Area. Technical Report 4/2020. Department of Environment and Natural Resources, Darwin, NT.

VEGETATION BROAD COMMUNITY GROUPS

- Monsoon Rainforest
- Mangroves and Salt Flats
- Non Mangrove (Undescribed)
- Lophostemon Communities
- Melaleuca Communities
- Riparian Communities
- Pandanus Communities
- Grassland/Sedgeland
- Eucalyptus Communities
- Mixed Species Woodland to Shrubland
- Grassland
- Aquatic Beds
- Mines and Quarries
- Remnant Vegetation Not Present

FAUNA FIELD SITE LOCATIONS

FLORA FIELD SITE LOCATIONS



BIODIVERSITY ASSESSMENT CRITERIA

Threatened Species (Point Data)

- Cycas armstrongii (high density stands)
- Fauna
- Flora

Significant Vegetation Types

- Dry rainforest
- Mangroves and Salt Flats
- Sandsheet Heath
- Wet rainforest
- Wetland

High Likelihood of Habitat Suitability for species of Conservation Significance

Species of Conservation Significance

- Cycas armstrongii (high density stands) NT Conservation Status: Vulnerable
- Styidium ematum NT Conservation Status: Endangered
- Typhonium praetermissum NT Conservation Status: Vulnerable

GENERAL FEATURES

Extent of mapping
 Property boundary
 Park / Reserve
 Pastoral homestead
 Spot height (m AHD)

GENERAL FEATURES SOURCES:
 Cadastral, roads, place names, Department of Infrastructure, Planning and Logistics.
 Parks: Department of Tourism, Sport and Culture.
 Hydro features: Commonwealth of Australia (Bureau of Meteorology) 2014
 Spot heights: Geoscience Australia, 2007. Geodata topo 250K, Series 3.

MAP LOCALITY

STUDY AREA

Technical References:
 Richardson, S., Irvine, E., Froend, R., Boon, P., Barber, S. and Bonneville, B. (2011). Australian groundwater-dependent ecosystems toolbox part 1: assessment framework. Waterlines report, National Water Commission, Canberra.
 National Committee on Soil and Terrain (2009). Australian Soil and Land Survey Field Handbook, Third Edition. CSIRO Publishing, Melbourne, Victoria.
 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.
 Cartography by: Deborah Muller - Geospatial Services, Department of Environment and Natural Resources, Northern Territory of Australia. Map Reference: DENR2019163_MTF_GunnPoint_Veg_Biodiversity March 2020.

Important Notice:
 The Department of Environment and Natural Resources has made every reasonable effort to provide current and accurate information, but it does not make any guarantees regarding the accuracy, currency or completeness of the information. This information is intended as a guide only. It does not constitute professional advice and should not be relied upon for legal, development, investment or other decisions. You should obtain professional advice relevant to your specific circumstances and needs.

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://denr.nt.gov.au/programs-and-strategies/mapping-the-future>.

Threatened Species: Chackshank, S. (2020). Mapping the Future Project - Gunn Point. Development Potential of the Gunn Point Area. Technical Report 7/2020. Department of Environment and Natural Resources, Darwin, NT.
 Essy, D., Brockhurst, P. and Emberg, J. (2017). Agricultural Land Suitability Series, Report 7. Soil and Land Resources Assessment for Irrigated Agriculture in the Gunn Point Area. Technical Report 7/2017. 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.
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Significant Vegetation Types: Chackshank, S. (2020). Mapping the Future Project - Gunn Point. Soil and Land Resources Assessment for Irrigated Agriculture in the Gunn Point Area. Technical Report 7/2020. Department of Environment and Natural Resources, Darwin, NT.
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