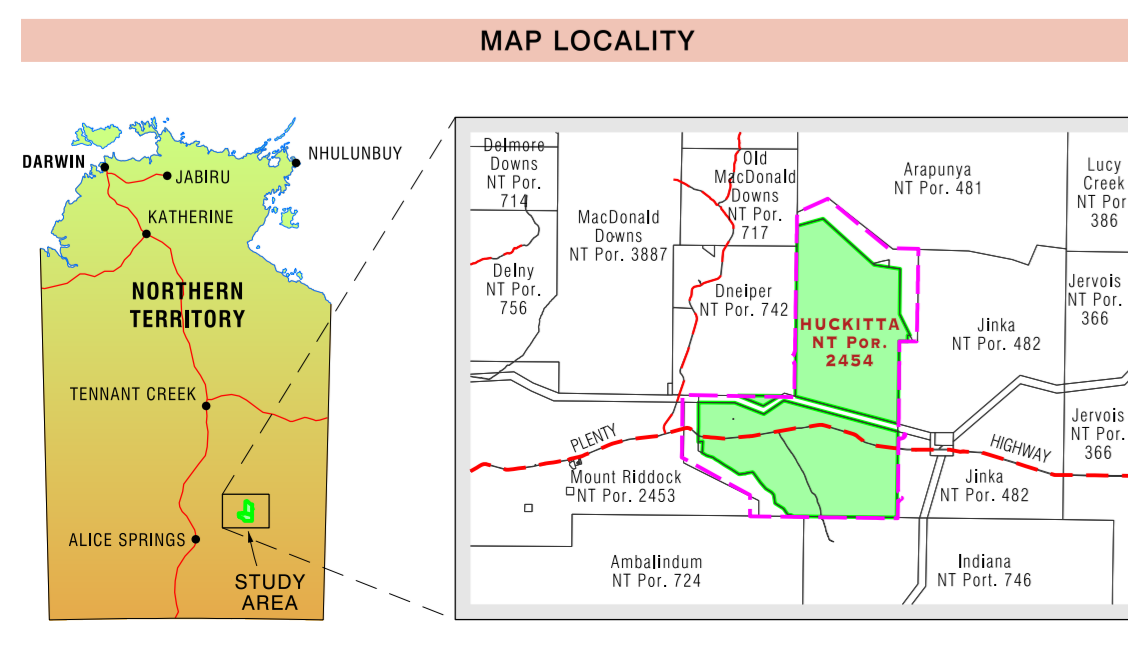


LAND SYSTEM DESCRIPTIONS	
PLATEAUX	
Kirchuff	Plateau, dissected and gullied escarpment with minor areas of Spinifex fans and incised watercourses. Exposed stone or rocky surfaces. Loamy sands on Spinifex fans with coarse sand in the incised channels. Sparse trees, mainly Acacia, Mulga and low shrubs over Spinifex on plateau and escarpment. Sparse Mulga, Ironwood and Whiteoak over Spinifex on fans with Red Gum over Woollybutt and Kerosene grasses in the channels.
Table Hill	Slightly undulating plateau and some slopes below plateau. Small depressions on top of plateau on plateau and slopes. Clay loams in depressions and crevices with sandy clay loams. Witchetty Bush, Whiteoak, Turkey Bush, Greenheart Cassia, Silky Saltbush over Limestone Cat grass, silt and silt/clay loams on plateau. Gleyea, Turkey Bush, Greenheart Cassia, Silky Saltbush, Ruby Saltbush over sparse grasses on slopes. Perennial grasses on depressions and Gleyea, Ruby Saltbush and shrubs over sparse perennial grasses along creeks.
HILLS	
Hann - 1	Thinly quartzite and sandstone ranges and ridges. Shallow, gritty stony soils and rock outcrop. Scattered Gleyea, cassia, rock and Native Fuchsia over Mountain Wanderoo, Smokebush, Silky Saltbush, Bladder Saltbush, silt etc. on Mulga and Witchetty Bush over Spinifex.
Harts	Rugged ranges and hills and associated lower slopes. Rocks and shallow gritty soils on lower slopes. Ranges and hills are bare of vegetation. Lower slopes grow sparse stunted Mulga, Witchetty Bush and low shrubs over Woollybutt, Mulga and Kerosene grasses and hard perennial grasses.
Huckitta	High strike ridges. Rock outcrop with pocket of shallow, stony and sandy soils. Sparse Witchetty Bush, Gleyea, Mulga and Mallee over Spinifex or Woollybutt Wanderoo. Cat grass and forbs.
LOW HILLS	
Alua	Low strike ridges, associated slopes and alluvial valley floors. Shallow stony calcareous soils on ridges or calcareous earths on slopes. Mallee sparse Gleyea, Witchetty Bush and low shrubs over Limestone Cat grass and minor perennial grasses and forbs.
Bond Springs	Bold outcrops with medium and steep slopes. Low hills and erosional slopes below these. Minor sand drainage tracts and creeks in valley floors. Rock outcrop and skeletal coarse textured soils and shallow stony soils. Coarse textured sand soils with rock outcrop on watercourses. Witchetty Bush, Fuchsia Bush, Bromebush over Woollybutt and Mulga grasses and forbs. Ironwood, Mulga, Picky Wattle and occasional River Red Gum over Spinifex on watercourses.
Hogarth	Round limestone hills up to 25 metres. Stony calcareous earths covered with Limestone, Red Mallee over mainly Spinifex.
RISES	
Napperby	Bold jointed outcrops with large rounded boulders and minor alluvial slopes below the outcrops and slightly dissected by widely spaced shallow watercourses. Coarse textured lithosols on outcrops. Gritty red earths with some coarse textured alluvial soils on alluvial slopes. Mulga, Witchetty Bush and occ. fig with scattered shrubs over sparse Mulga, Woollybutt, Woollybutt, Woollybutt Wanderoo and Kerosene grasses. Bloodwood, Whiteoak and Corwood with low shrubs over Woollybutt, Mulga and Wiregrasses on alluvial plains.
LOW RISES	
Hann - 2	Gentle slopes associated with Hn-1, stony rises and shallow creeks. Shallow sandy loams on gentle slopes, rock outcrop and stony shallow soils on stony rises, and clay loams in shallow depressions and watercourses. Shallow stony clayey sands and clay loams on the plateaus and scattered Curly Windmill and Umbrella grass on gentle slopes. Stony rises with Witchetty Bush and Greenheart Cassia over sparse Woollybutt grass and Mulga grasses. Shallow creeks grow Gleyea and Mulga over scattered perennial grasses such as Curly Windmill grass and Silky Browntop.
PLAINS	
Amulda	Hummocky plain. Minor sandstone outcrop or low dunes. Red clayey sands, Mallee, Mulga, Witchetty Bush and low shrubs over Spinifex and minor Woollybutt and Kerosene grasses and forbs.
Andersida	Undulating with stony rises & gently dipping slopes. Shallow gravelly sandy clay loams, Greenheart Cassia and sparse Whiteoak, Witchetty Bush and Mulga over Woollybutt and Mulga grasses and coppers. Perennial grasses such as Umbrella and Curly Windmill should grow adjacent to trees and in small depressions.
Jinka	Undulating plains, low granite and gneiss hills, quartz ridges and slopes with minor drainage depressions and watercourses. Shallow stony clayey sands and clay loams on the plateaus and slopes and shallow rocky and stony soils on the low hills and ridges. Scattered Witchetty Bush, Whiteoak, Ironwood over Woollybutt, Mulga, Kerosene grasses and forbs on plains and slopes. Sparse Witchetty Bush and low shrubs over sparse Mountain Wanderoo, Woollybutt, Kangaroo grasses and forbs on hills and ridges.
Ryan	Plains with valley floors and small areas of granite ridges, boulders and domes and minor drainage lines and channels. Gritty sandy clay loams, and sandy clay loams. Rock outcrop and shallow gritty soils on ridges with sandy clay loams in watercourses. Whiteoak, Mulga, Corkwood, Witchetty Bush, Bloodwood, Needlewood, Supplejack over Woollybutt and Mulga grasses. Granite ridges mainly bare with Mulga and Ironwood over Curly Windmill, Silky Browntop, Umbrella and Kangaroo grasses on creeks.
Weldon	Hummocky sandy plains or alluvial plains and sandy slopes and small areas of incised channels and drainage lines. Red sandy clay loams on sand plain. Red earths on alluvial plain, and clayey sands on slopes. Drainage lines with sandy beds and sandy clay loams. Scattered Bloodwood, Witchetty Bush, Ironwood and Whiteoak over Woollybutt and Mulga grasses and forbs. Sparse Mulga, Witchetty Bush, Ironwood, Green Turkey Bush, Native Fuchsia over Woollybutt, Liversaver Bur and mixed species on alluvial plains. Scattered Mulga, Witchetty Bush and low shrubs over hard Spinifex on sandy slopes. Dense Mulga, Ironwood, Weeping Emu Bush over perennial grasses on drainage lines.
Woolta	Low rises and small areas of drainage floors. Calcareous sand clay loams on rises. Sandy clay loams in drainage depressions. Sparse Witchetty Bush, Ironwood, Whiteoak over Cat grass, minor Limestone Cat, Umbrella grasses on rises. Witchetty Bush, Bloodwood and Picky Wattle over Curly Windmill grass, Umbrella, Golden Beard, Kangaroo grasses on drainage areas.
ALLUVIAL PLAINS	
Delny	Moderate slopes dissected by gullies and watercourses and gentle slopes and plains. Moderate slopes has stony surface, red brown sandy clay, and plains has red earths and sandy clay loams. Moderate slopes has Mulga, Witchetty Bush and low shrubs over sparse Woollybutt and Mulga grasses and minor amounts of perennial grasses. Plains has groved Gleyea over Woollybutt and Mulga grasses and forbs.
Dinkum	Alluvial plains and smaller areas of low rises and drainage depressions on minor clayey Red clayey sands and red sandy clay loams on alluvial plains. Red sandy clay loams on low rises and red sandy clay loams on depressions. Low Ironwood, corkwood or low Whiteoak, Bloodwood, Witchetty Bush and Mulga over Kerosene and forbs on plains. Greenheart, Mulga grass and forbs on alluvial fans, Ironwood, Whiteoak, Bloodwood and occ. Witchetty Bush over Woollybutt, Kerosene, Mulga grasses on drainage floors and sandplains. Alluvial basins have Nevertall and Vertell with Nevertall in gullies, River Red Gum, Ironwood and occasionally Bean Tree over Kangaroo, Curly Windmill and Silky Browntop grasses on watercourses.
Indiana	Undulating stony alluvial plains. Stony, sandy clay loams. Scattered Whiteoak, Supplejack, Curly Windmill and Bloodwood over Woollybutt grass and small amounts of Mulga grass. Umbrella grass, Curly Windmill grass and Silky Browntop scattered across the slope in small depressions and where water is trapped.
Kanandra	Upper alluvial fans adjacent to uplands, broad drainage floors with minor depressions and broad level sandstone or sand ridges and low dunes. Minor bloodwood, distributer channels and small alluvial basins at drainage termini. Brown and red-brown alluvial soils, mainly sandy loams over sandy clay loams, Ironwood and Whiteoak or Ghost Gum over Kerosene, Mulga and Cat grasses and forbs on alluvial fans, Ironwood, Whiteoak, Bloodwood and occ. Witchetty Bush over Woollybutt, Kerosene, Mulga grasses on drainage floors and sandplains. Alluvial basins have Nevertall and Vertell with Nevertall in gullies, River Red Gum, Ironwood and occasionally Bean Tree over Kangaroo, Curly Windmill and Silky Browntop grasses on watercourses.
Undipda	Plains. Heavy cracking clays and medium textured clay soils. Mitchell grass with minor Cat grass, Native Millet and forbs on cracking clays. Nevertall with Cat grass and forbs on medium textured soils.
SAND PLAINS	
Elmugh	Hummocky sand plain. Clayey sands, Whiteoak, Witchetty Bush, Bloodwood and Mulga with Silky Saltbush over Kerosene grass, Woollybutt, minor Woollybutt grass, Buckbush and forbs.
Leahy	Broad hummocky sandy alluvial plains and discontinuous low and medium dunes. Small areas of swamps and drainage depressions. Red brown sandy and sandy clay loams on the plains and dunes. Brown and grey brown light clays in swamps and red sandy clay loams in the drainage depressions. Spinifex dominant. Open cover Mulga, Ironwood, Bloodwood, Whiteoak, Witchetty Bush, Picky Wattle and Colony Wattle over minor Kerosene, Woollybutt, other grasses and forbs. Coolbark over Bluebush or Ligum over forbs in the swamps and Mulga and occasionally Whiteoak, Ironwood and Coolbark over Kerosene, Wiregrass, Catgrass, Mulga grasses on drainage depressions.
Sandover / Simpson	Alluvial sand plains and low dunes. Loamy sands. Spinifex mainly with minor Woollybutt, Whiteoak grasses and forbs. Scattered Ironwood, Mulga, Supplejack or Coolbark and casias. Low dunes with Spinifex or Sandhill Canegrass and forbs and occasionally Ironwood, Whiteoak or Picky Wattle.
Singleton	Level to slightly hummocky plains and occasional low rises and very broad swales. Very small areas of broad drainage depression. Red clayey sands on sand plains. Red earths on drainage depressions. Sparse trees, Mulga, Mallee, Desert Oak, Beefwood and shrubs over Spinifex with minor Woollybutt, Kerosene grass and forbs. Mulga and occasionally Coolbark or Ironwood over Spinifex and Woollybutt or Cat grass and forbs on depressions.
DRAINAGE SYSTEMS	
Bushy Park	Broad drainage floors, with 'mulga annual' drainage into 'mulga perennial' areas. Deep red earths, Mulga, Witchetty Bush and occasional Ironwood, Whiteoak, Emu Bush and Bromebush over mulga annual, Kerosene, Woollybutt and Mulga grasses. Mulga, occasional Ironwood, Whiteoak and Emu Bush over 'mulga perennial' Woollybutt, Kerosene, Mulga and Wire grasses.
McGrath	Mainly outer alluvial plains and stable plains and smaller areas of broad flat depressions at headwaters of creeks, narrow floodplains, creek channels and flat crested levees and sand banks adjacent to channels. Sandy loams and sandy clay loams on plains. Texture contrast soils in depressions, brown loams on floodplains and levees with coarse sands in creek channels. Ironwood and Corkwood, Picky wattle over Woolly cat, Curly windmill and Umbrella grasses on alluvial plains. Open Gleyea over annual and perennial grasses on stable plains. Gleyea or Ironwood on depressions and floodplains. Picky wattle and occasionally Ironwood or Supplejack over Kerosene and Woollybutt grasses on levees with Red Gum, Ghost Gum and Ironwood with mixed perennial grass on creek channels.
Sandover	Mainly outer plains and sandy river and creek channels with smaller areas of levee banks and swamps. Alluvial sand clay loams on outer plains. Loamy sands on levees, brown or grey cracking clays often gullied in swamps with fine sands and coarser sands and grits and galls in channels. Various woodland communities, mainly Ironwood, Whiteoak, Supplejack, Mulga and occasionally Gleyea over Kerosene, Mulga and Woollybutt grasses and forbs. Coolbark and occasionally Northern Bluebush over Nevertall swamps. Red gums and Ironwood over Windmill, Kangaroo and Silky Browntop grasses on channels. Ironwood, Whiteoak, Supplejack and Picky Wattle over Kerosene, Woollybutt grass or Canegrass on levees.



MAP LOCALITY

Creative Commons Attribution 4.0 International Public License
<https://creativecommons.org/licenses/by/4.0/>
 Department of Environment, Parks and Water Security
 © Northern Territory Government

This map was produced by the Geospatial Data Agency (GDA) of Australia 1994 (GDA 94)

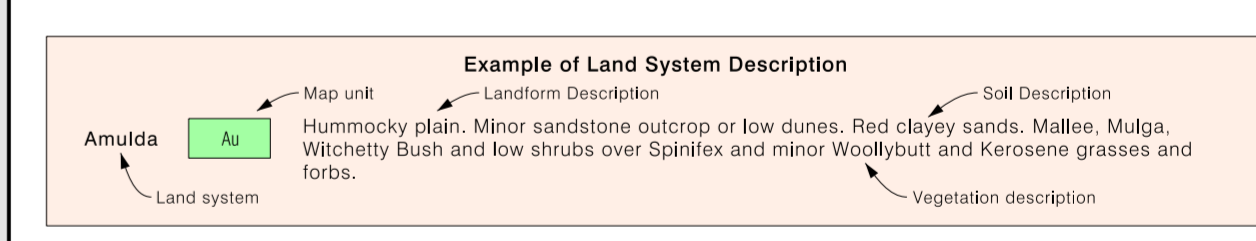
Black numbered lines are 10 000 metre intervals of the Map Grid of Australia (MGA) Zone 53 Transverse Mercator Projection
 Horizontal Datum: GDA 94 Vertical Datum: AHD (metres)

GENERAL FEATURES	
Land unit boundary	Water bore
Limit of mapping	Dam
Property boundary	Tank
Highway: unsealed	Trough
Main road: unsealed	Turkey Nest
Minor road: unsealed	Stock yard
Local road: track	Tower
Fence	Drainage
Family outstation	Lake (non-perennial)
Pastoral homestead	Lagoon / Waterhole
Building	Relief feature
Landing ground	Range or Plain
Paddock name	Spot height
Mine (A&D)	Mine (A&D)

GENERAL FEATURES DATA SOURCES:
 Cadastre, roads, place names: Department of Infrastructure, Planning and Logistics, Northern Territory of Australia.
 Pastoral Infrastructure: Department of Environment, Parks and Water Security, Northern Territory of Australia.
 Hydro features: Commonwealth of Australia (Bureau of Meteorology) 2014
 Spot heights: Geoscience Australia, 2007, Geodata topo 250K, Series 3.

Cartography by:
 Raff Kobenstein - Geospatial Services
 Department of Environment, Parks and Water Security
 Northern Territory of Australia.

Map Reference: Map_Huckitta-Stn_Land-Res_100k_m_63
 Drawing Number: DEPSW 2021 153
 September 2021



For further information contact:
 Department of Environment, Parks and Water Security
 Director, Land Assessment, Rangelands Division
 Ph. (08) 8999 4478 Email: rangelands@nt.gov.au
 Level 3, Goyder Centre, 25 Chung Wah Terrace,
 Palmerston, Northern Territory of Australia
 Web: <https://depsw.nt.gov.au>
 Geospatial Information: <https://maps.nt.gov.au>

Limitations of use
 Land Resource information has been derived from aerial photograph interpretation and field data collection describing landform, soil and vegetation. Mapping has been collected at a nominal scale of between 1:100 000 and 1:250 000. Enlarging this map beyond this scale will not provide further detail and is not recommended.
 Final mapping is presented at a scale of 1:100 000.
 When assessing specific areas within the mapping it is recommended that a site inspection be undertaken to establish unmaped variations and to confirm the mapping accuracy on the ground.

Please Note:
 This report is generally not available.
 Access requests should be directed to:
 Arid Zone Research Institute Library
 in Alice Springs.
 Email: azri.library@nt.gov.au

Bibliographic Reference:
 Grant, R. (1983)
 Range Condition assessment report:
 Huckitta Station
 Department of Primary Production,
 Alice Springs, Northern Territory

NORTHERN TERRITORY GOVERNMENT

LAND RESOURCES OF HUCKITTA STATION