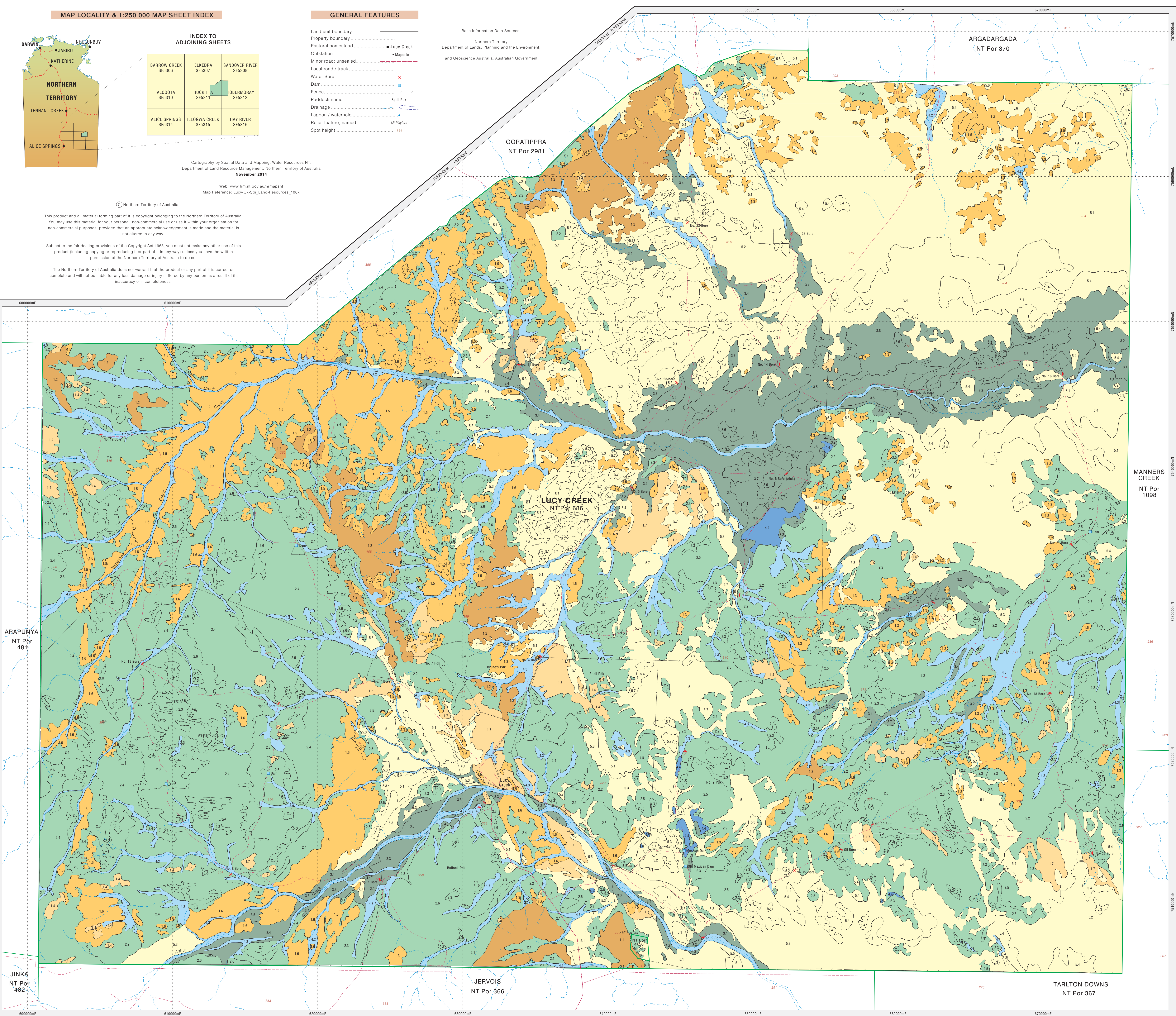


**LAND UNIT DESCRIPTIONS**

HILLS	ALLUVIAL PLAINS (cont.)
1.1 Prominent sandstone and silted sandstone hills. Lithosols (Rudossols). Eucalyptus normantonensis dwarf open woodland with <i>Triodia purpurea</i> hummock grassland understorey.	3.3 Alluvial plains. Sandy red earths (Kandosols). <i>Corymbia</i> spp. and <i>Alalya hemiglauc</i> low open woodland.
1.2 Broad undulating hills and rises of partly silted and weathered rock. Lithosols (Rudossols). <i>Eremophila</i> spp. low sparse shrubland over isolated annual grasses and <i>Triodia</i> basedwii.	3.4 Alluvial plains. Red earths (Kandosols). <i>Alalya hemiglauc</i> mid high open woodland.
<b>LOW HILLS</b>	3.5 Alluvial plains. Alluvial soils (Kandosols). <i>Eucalyptus coolabah</i> subsp. arida mid high open woodland with a low open grassland understorey.
1.3 Low silted sandstone hills. Lithosols (Rudossols). <i>Acacia aneura</i> dwarf open woodland with isolated annual grasses.	3.6 Alluvial plains. Alluvial soils (Demosols). <i>Dactyloctenium radicans</i> , <i>Eragrostis amabilis</i> and <i>Arctostaphylos</i> low isolated grasses.
1.5 Hills formed on limestone. Calcarosols. <i>Triodia longipes</i> mid high open hummock grassland.	3.7 Alluvial plains. Red earths (Kandosols). <i>Acacia georgiana</i> low open woodland with a mid high open grassland understorey.
1.6 Low hills formed on limestone. Calcarosols. <i>Acacia stowardii</i> tall sparse shrubland with an isolated annual grass understorey.	3.8 Alluvial plains. Red earths (Kandosols). <i>Eucalyptus coolabah</i> subsp. arida. <i>Acacia estropholata</i> and <i>Alalya hemiglauc</i> mid high open woodland with sparse grasses and forbs.
<b>RISES</b>	<b>SAND PLAINS</b>
1.4 Gently undulating gravelly ironstone rises. Lithosols (Kandosols). Largely bare, isolated <i>Acacia aneura</i> groves on some slopes.	5.1 Sandplains. Red earths (Kandosols). <i>Eucalyptus gamphylia</i> dwarf open woodland with a <i>Triodia</i> basedwii mid high hummock grassland understorey.
1.7 Undulating rises formed on limestone. Red earths (Kandosols). <i>Acacia stowardii</i> mid high sparse shrubland with a low sparse grassland understorey.	5.2 Sandplains. Red earths (Kandosols). <i>Eucalyptus gamphylia</i> low open woodland with a <i>Triodia</i> basedwii mid high hummock grassland understorey.
<b>PLAINS</b>	5.3 Sandplains. Red earths (Kandosols). <i>Acacia estropholata</i> low open woodland with a <i>Triodia</i> basedwii mid high hummock grassland understorey.
2.1 Gently sloping plains. Red earths (Tenosols). <i>Acacia aneura</i> low open woodland with an open grassland understorey.	5.4 Sandplains. Red earths (Kandosols). <i>Corymbia aparangina</i> , <i>Acacia estropholata</i> and <i>Hakea</i> sp low open woodland with a <i>Triodia</i> basedwii mid high hummock grassland understorey.
2.2 Plains. Red earths (Kandosols). <i>Acacia georgiana</i> low open woodland.	5.5 Sandplains. Red earths (Kandosols). <i>Corymbia aparangina</i> low open woodland with a <i>Triodia</i> basedwii mid high hummock grassland understorey.
2.3 Gently undulating plains. Red earths (Kandosols). <i>Acacia georgiana</i> low open woodland with low isolated grasses.	5.6 Gently undulating sandplains. Earthy sands (Tenosols). <i>Corymbia setosa</i> , <i>Eucalyptus gamphylia</i> and <i>Alalya hemiglauc</i> mid high open woodland with a <i>Triodia</i> basedwii mid high hummock grassland understorey.
2.4 Gently undulating plains. Calcarous red earths (Calcarosols). <i>Acacia georgiana</i> and <i>Acacia stowardii</i> low open woodland with a low sparse grassland understorey.	5.7 Sandplains. Red earths (Kandosols). <i>Eucalyptus pachyphylla</i> low open woodland with a <i>Triodia</i> basedwii mid high hummock grassland understorey.
2.5 Undulating plains. Red earths (Kandosols). <i>Acacia victoriae</i> with <i>Alalya hemiglauc</i> mid high sparse shrubland with an open grassland understorey.	<b>DRAINAGE SYSTEMS</b>
2.6 Open limestone plains. Calcarous red earths (Calcarosols). <i>Acacia georgiana</i> mid high sparse shrubland with a low sparse grassland understorey.	4.1 Sandy bottomed stream channels and their associated floodplains. Lithosols (Tenosols). <i>Eucalyptus camaldulensis</i> mid high woodland.
2.7 Gently sloping plains. Red earths (Kandosols). <i>Acacia aneura</i> low open woodland with a low tussock grassland understorey.	4.2 Narrow low-load channels and their associated floodplains. Lithosols (Tenosols). <i>Eucalyptus camaldulensis</i> and <i>Corymbia</i> spp tall open woodland.
<b>ALLUVIAL PLAINS</b>	4.3 Broad drainage floors. Red earths (Kandosols). <i>Grevillea striata</i> and <i>Acacia estropholata</i> low open woodland with a mid high open grassland understorey.
3.1 Floodplats. Clayey alluvial soils (Kandosols). <i>Eucalyptus coolabah</i> subsp. arida low open woodland.	<b>SWAMPS</b>
3.2 Swamps and floodplats areas. Alluvial soils (Kandosols). <i>Eucalyptus coolabah</i> subsp. arida mid high open woodland with a mid high sparse grass understorey.	4.4 Swamps. Brown clays (Demosols). <i>Chenopodium autocrosum</i> mid high open chenopod shrubland.



**FIELD SITE LOCATIONS**

**Example of Land Unit Descriptions**

PLAINS	Landform	Landform description	Soil description
2.4	Undulating plains	Red earths (Kandosols). <i>Acacia victoriae</i> with <i>Alalya hemiglauc</i> mid high sparse shrubland with an open grassland understorey.	
	Land unit		Vegetation description

**TECHNICAL REFERENCES:**

McDonald, R.C., Isbell, R.F., Speight, J.G., Walker, J. and Hopkins, M.S. (1984). *AUSTRALIAN SOIL AND LAND SURVEY FIELD HANDBOOK*. 2nd Edition, Inkata Press, Melbourne.

Isbell, R.F. (1996). *THE AUSTRALIAN SOIL CLASSIFICATION*. CSIRO Publishing, Melbourne.

Northcote K.H. (1979). *A FACTUAL KEY FOR THE RECOGNITION OF AUSTRALIAN SOILS*. 4th Edition, Rellim Publications, Glenside, SA.

**BIBLIOGRAPHIC REFERENCE:**

Reu, S.D. and Garbin V.T. (1999). *THE LAND RESOURCES OF LUCY CREEK STATION*. Technical Memorandum Number TM 99-1. Natural Resources Division, Department of Lands, Planning and Environment Alice Springs, Northern Territory.

Land resource information has been derived from aerial photograph interpretation and field data describing landform, soil and vegetation. Mapping has been collected according to the national standards and prepared at a scale of 1:100 000.

Enlarging this map beyond this scale will not provide further detail. A site inspection should always accompany mapping for specific areas.

**Northern Territory Government**

**LAND RESOURCES of LUCY CREEK STATION**  
including NT Por 4450  
(MAPERTE ABORIGINAL CORPORATION)

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