

ISBN 072454870X
TECHNICAL REPORT No. 75/2005

STRAY CREEK CATCHMENT VEGETATION SURVEY NORTHERN TERRITORY

TECHNICAL REPORT
March 2005

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This report may be cited as:

Lewis, D. (2005) *Stray Creek Catchment Vegetation Survey Northern Territory*. Technical Report No. 75/2005. Department of Infrastructure Planning and Environment, Palmerston, Northern Territory.



Northern Territory Government

Department of Infrastructure, Planning and Environment

TECHNICAL REPORT No. 75/2005

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FRONT COVER:

Top: Stray Creek, Flemming Road.
From Left: *Utricularia sp* in Umbrawarra Gorge;
field survey vehicle Jindare Station; Jindare
Station cattle; overlooking survey area and
Eucalyptus umbrawarrensis.

BACK COVER:

From Top Left: Umbrawarra Gorge; field survey
vehicle; aerial view of Purple Gorge; *Syzygium
eucalyptoides* subsp. *eucalyptoides* in flower;
granite outcrop; changing a flat tyre; Umbrawarra
Gorge camp; permanent waterhole on Jindare
Station; another site completed; field survey
vehicle Stray Creek; Jindare Station cattle and
assessing Purple Gorge.

EXECUTIVE SUMMARY

This report describes the survey of Stray Creek catchment, covering an area of approximately 1 218 km² and located about 200km south of Darwin. Stray Creek catchment is a sub-catchment lying within the Daly Basin. Thirty four vegetation communities are described in the catchment at a scale of 1:25 000. The objectives of this survey are to: provide land managers, developers and government authorities with accurate data for which to base sound advice on land development conservation in the catchment; improve our understanding of the nature and extent of significant vegetation communities; provide baseline environmental data for ongoing monitoring and validate the existing surveys across the catchment.

ACKNOWLEDGEMENTS

The Stray Creek Catchment Vegetation Survey was made possible through the endeavours of numerous staff members of the Natural Systems Division, Department of Infrastructure Planning and Environment.

Particular thanks go to Dave Howe and Peter Brocklehurst for overseeing the Survey and providing ongoing support and assistance throughout its duration. Denis Fett is acknowledged for organising colour aerial photography captured over the catchment, and Dominique Lynch for scanning, registering, rectifying and mosaicing the photography.

Many colleagues and volunteers are acknowledged for assisting in the field survey component including Graeme Owen, Jason Hill, Dave Howe, Peter Brocklehurst and William Rayner. Northern Territory Herbarium Staff are noted for their assistance in plant identification particularly Ian Cowie, Raelee Kerrigan and Bob Harwood.

Numerous land managers in Stray Creek catchment are recognised for their cooperation and interest in this Survey, notably Barry and Judy Kelly of Jindare Station. Other land managers that supported the Survey throughout the field survey component from August 2003 to February 2004 include Robert Bright, Diana Elliott, Paul Rysavy, Allan Fisher, Brett Gill, Gary Hamilton, Rod Illingsworth, Roly Leal, Ian and Kaye McBean, John McCartney and John McEwen.

Colleagues from the Natural Resource Management Division are thanked for their expertise and resources. Steve Robertson and Gail McLeod (Pastoral Branch) provided contact details and pastoral maps. Jane Hosking, Nigel Saunders and Kathleen Richardson (Land Monitoring Branch) provided satellite imagery and land tenure information. Vocation Student, Louisa Cowie is acknowledged for entry of field survey data.

A number of people are thanked for providing comment and assistance on interpretive maps, Raelee Kerrigan (Herbarium) DIPE, Neil MacDonald (Animal Production) and Arthur Cameron (Pastoral) DBIRD and Leigh Hunt CSIRO.

Appreciation is extended to Dave Howe, Peter Brocklehurst, Jason Hill, Graeme Owen and Denis Fett (Land & Vegetation) DIPE, Ian Cowie (Herbarium) DIPE, Owen Price and John Woinarski (Biodiversity Unit) DIPE and Bruce Sawyer (Agriculture) DBIRD for providing comment on drafts of this Technical Report.

Finally, the Spatial Data Mapping team (DIPE) are thanked for assistance with database interrogation namely Daryl Chin and Aiden Smith. Bart Edmeades is thanked for the production of interpretive maps and final vegetation map.

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ACRONYMS

ACT	Australian Capital Territory
AMG	Australian Map Grid
API	Aerial Photography Interpretation
BA	Basal Area
BAF	Basal Area Factor
BR	Branch
Ca	Calcium
CC	Canopy Cover
CSIRO	Commonwealth Scientific and Industrial Research Organisation
DAB	Daly Basin Biogeographic Region
DBIRD	Department of Business, Industry and Resource Development
DEM	Digital Elevation Model
DIPE	Department of Infrastructure, Planning and Environment
DL	Dead Leaf
DVT	Definitive Vegetation Type
ESCAVI	Executive Steering Committee for Australian Vegetation Information
FC	Foliage Cover
FPC	Foliage Projective Cover
G	Ground Stratum
GIS	Geographic Information System
GL	Green Leaf
GPS	Global Positioning Satellite
GR LIT	Grass Litter
K	Potassium
M	Mid Stratum
Mg	Magnesium
N	Nitrogen
NT	Northern Territory
NTG	Northern Territory Government
NVIS	National Vegetation Information System
P	Phosphorus
PATN	Pattern Analysis
RAVS	Resource Assessment Vegetation System
S	Sulphur
SCCVS	Stray Creek Catchment Vegetation Survey
SH	Shrub
SK	Sky
SLATS	State Wide Land and Tree Survey (QLD)
TR LIT	Tree Litter
TTL GL	Total Green Leaf
U	Upper Stratum