

THE NORTHERN TERRITORY

AND

COMMONWEALTH OF AUSTRALIA

NATIONAL VEGETATION INFORMATION AND ANALYSIS

**NT Vegetation Site Data Inventory**

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**NB PAGES 22 to 32 need to be printed on A3 landscape paper size.** View first. Print pages 1 to 32

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## Vegetation Site Data Inventory

### 1.0 Background

#### 1.1 Initial Objective

As part of NVIA gap filling project between the NVIA and DIPE it was proposed to produce a list of unique Northern Territory Vegetation Types. This involved two tasks (1a and 1b) presented as separate submissions and subsequently funded as separate projects:

- Project 1a.       Compilation of Vegetation Descriptions  
Project 1b.       Site Data Inventory: An objective assessment of the feasibility of using historic vegetation site data in the NT to produce the unique listing of vegetation types in the NT, and/or to add to the listing produced from the companion submission (Project 1a).

#### 1.2 Current situation

Project 1a was completed in May 2003 and the report and preliminary listing of approximately 360 Definitive Vegetation Types was sent to the Commonwealth.

Due to other NT work commitments, we were unable to complete Project 1b to the detail required by the Commonwealth and therefore will not require future funding for this particular project. An alteration to the original contract is in process (as of 12/6/03).

However as work on the project had already begun, and as it is of interest to this Department and others, the preliminary site inventory component of the project was undertaken. This involved compiling information on the location of site data, number of sites and some estimate of site detail and quality etc. However to fully complete the tasks required for the project what was now needed was a follow up detailed appraisal of each of the data sets, particularly the structural and floristic detail found within each survey. This would require a reasonable amount of liason, travel, time etc to assess each surveys original plot sheets (eg 30458). This time was not available.

The following document reports on the outcomes of the preliminary site inventory.

### 2.0 Method

#### 2.1 Attributes: Site metadatabase (NTSITEMETADB).

A simple Access database was designed with attributes (Table 1). Various persons and organizations were contacted in regard to their vegetation site data (Appendix 1). An Access database was also sent for inclusion of data.. Fields included

Table 1: Fields: NTSITEMETADB database

Attribute	Description	Comments
State	State or Territory	
Custodian	Government/Private agency who has ownership of the data	
Official contact	Custodial contact person	
Date beginning	Year of commencement of survey	Not always know- estimates in some instances
Date end	Year of Finish of survey	Not always know- estimates in some instances
Compilation date	Site Vegetation is present and correct as of what year	Not always know- estimates in some instances. For monitoring sites usually the establishment date. For surveys generally the date of the field

		component
VegSurvey Name	Site Vegetation is present and correct as of what year	
Site purpose	The site data was collected for a specific purpose, eg ground truthing mapping, flora survey	
Number of sites	Approximate number of sites for the particular survey	Generally accurate
Site Detail	The amount of information recorded at the site	Subjective estimate in some instances- (see comment with each record)
Geo-referenced	Are the sites geo referenced.	
Spatial accuracy	Radius of error eg $\pm 200$ metres. An estimate of the horizontal accuracy of the site in real world	Estimate
Data storage	How is the data stored eg paper, digital	
Database manager	Database manager of the particular organisation holding the data	
Historical contact	Person who did survey or who is familiar with the data	
Geographical extent	List of bio regions (abbreviations as per IBRA) or locality	
Quality	An estimate of the utility of the data	Subjective judgement as to the quality/integrity of the data
Transfer	Ease of transfer of data	
Digital Data Storage	If sites are digital what software do they reside in	
COMMENTS	Any pertinent comments	
Digital Mapping exists	Digital polygon mapping exists-see meta data link eg ANZLIC number	Not always filled out
NVIS Level	Estimate of data detail in relation to the NVIS hierarchy.	Data at NVIS5 in this database means the site has good structural as well as floristic information by stratum . Data sets marked at at NVIS3-4 generally lack good structural data.

Output from the NTSITEMETADB is included in Appendix 5

## 2.2 Caveats on Data

- ).Compilation date, start date and end date may not be entirely accurate. Compilation date where possible is accurate but cannot be not sure for all surveys. A number of surveys have monitoring sites- date of establishment used as compilation date. : For other surveys which go for a number of years compilation date will be the end date.
- Site detail may vary. I have endeavoured to address this accurately however sometimes what is said is not the reality. True appraisal requires accessing each individual plot sheet or survey.
- BAU surveys usually as adjunct to fauna surveys -data detail varies with surveys
- Each site sheet was not assessed. Information in the tables was based on a project/survey basis and was therefore presumed that the data detail was the same for all sites within a particular survey (this holds true for most though not all surveysSpatial accuracy is an estimate for some surveys
- Student type data sets held by NTU were not accessed
- Number of sites may not be entirely correct for some surveys

## 3.0 Results

### 3.1 Data sets Assessed

Approximately 250 surveys were assessed.

Of these 182 were included in the NTSITEMETADATABASE. A Excel spreadsheet was also down loaded from the NTSITEMETADATABASE.. Missing data is stored as a blank to aid statistics.

Surveys not included were rejected ( Appendix 2,3) due to

- Lack of information: detail for important attributes could not be found or persons contacted
- Lack of vegetation detail (structure and species) in the survey once assessed
- Actual survey veg records could not be found-generally earlier land unit/system surveys
- Whole survey data could not be found-generally earlier land unit/system surveys

### 3.2 Other Data sets not assessed

Other vegetation datasets are known to exist but were not assessed due to time and logistic constraints.

- Data sets held by NTU including student data sets were not included.
- Data sets held by private environmental assessment companies were also not included as these would most probably not be available for use anyway.

## 4.0 Summary Details

Based on the 182 surveys. More detail is contained in Appendix 4 .

- Over 30,000 sites have been assessed..
- Site data was collected for flora and fauna surveys, land unit/land system mapping, vegetation mapping and various monitoring studies. The bulk of the NVIS Level V data was collected for vegetation , land unit or land system mapping.
- Most of the data ( $\approx 94\%$ ) is now held within different sections of the Department of Infrastructure, Planning and Environment (DIPE), following the amalgamation of the Department of Lands, Planning and Environment and the Parks and Wildlife Commission of the Northern Territory. Data Custodians in decreasing order.
  - Land and Vegetation Unit: Darwin (DIPE)
  - NT Herbarium (DIPE)
  - Biological Diversity: Darwin (DIPE), Land and Vegetation Unit: Alice Springs (DIPE)
  - Parks and Wildlife Commission, Defence Department
  - Bush Fires Council (DIPE)
  - Biological Diversity: Alice Springs (DIPE), CSIRO(TERC), EWL Sciences, Tropintel Environmental Consultants
- Approximately 66% of all sites are stored electronically. Most flora and fauna survey sites, vegetation mapping sites and various monitoring study sites, are digital.
- Structural and floristic detail varies between sites and surveys. Approximately 49% (15073) of sites assessed were deemed (qualitative judgement) to be at the NVIS hierarchy Level V. Of these NVIS Level V sites, approximately 56% (8437) are digital.
- Digital data is stored in a number of different data packages. Most sites are stored in DECODA, RAVS or Microsoft Access databases (similarly for the NVIS level 5 data). However there is no standardisation of database attributes between different databases held by different custodians. The Biological Diversity unit (DIPE) is presently compiling data into one Access database, primarily to assist with producing a Flora atlas.
- Approximately 56% of the sites were produced in conjunction with mapping,, although not all of the final maps are digital.

- Year of site survey varies between 1968 and 2003, with increased data collection from the late 1980's to the present.
- A reasonable number of sites (estimate unknown), not included in this assessment, are deemed to exist. Primarily this will be with the NTU, very early sites ( eg pre 1960's) with various Commonwealth agencies (eg CSIRO Land Research Series) and with private environmental consulting companies.

## 5.0 Conclusions

Although achievable and of obvious merit, it may not be feasible to incorporate all the site data (structure, floristics, stratum etc) into one database at this stage. Problems encountered will include

No standard definition of attributes (cover, height, abundance etc)

Non digital data

Different field definitions and recording of attributes by different observers.

Data detail varies between surveys

The Biological Diversity Unit (DIPE) has begun compiling data into one database although at present the emphasis has been on standard species definition rather than standard structural (cover, heights by strata etc) or environmental definition.

Overall outcomes of projects 1a and 1b are still the need for standard definition of attributes, a standard approach to the measurement of these attributes in the field, as well as how the vegetation site data is then analysed, interpreted and where necessary, ascribed to polygons (unique mapping units). Although there has been congruence in field survey and attribute definition in recent years there is still a requirement for better structural data in many instances, particularly if for mapping purposes. Also within some of the mapping units there is a need for refinement of analytical techniques when describing vegetation communities and ascribing them to polygons, particularly when they are mosaic polygons.

## Appendix 1: Primary Contact List Site Inventory

The following people assisted in the data collection phase. I would particular like to thank Allison Kennedy, Kerry Beggs, Alaric Fisher and Bretan Clifford for assistance with the data collection phase.

<i>Name</i>	<i>Agency</i>	<i>Phone</i>	<i>Email</i>
Alaric Fisher	BIODIVERSITY(DIPE)	08 89448454	<a href="mailto:alaric.fisher@nt.gov.au">alaric.fisher@nt.gov.au</a>
Alison Kennedy	LAND and VEG (DIPE)	08 89519227	<a href="mailto:allison.kennedy@nt.gov.au">allison.kennedy@nt.gov.au</a>
Andrew Edwards	Bushfires (DIPE)	08 89448464	<a href="mailto:Andrew.edwards@nt.gov.au">Andrew.edwards@nt.gov.au</a>
Bob Karfs	MONITORING (DIPE)	08 8999 4474	<a href="mailto:bob.karfs@nt.gov.au">bob.karfs@nt.gov.au</a>
Chris Brock	BIODIVERSITY(DIPE)	08 89518291	<a href="mailto:Chris.brock@nt.gov.au">Chris.brock@nt.gov.au</a>
Dick Williams	CSIRO/TERC	08 89448426	<a href="mailto:dick.williams@terc.csiro.au">dick.williams@terc.csiro.au</a>
Ian Cowie	HERBARIUM (DIPE)	08 8999 4511	<a href="mailto:ian.cowie@nt.gov.au">ian.cowie@nt.gov.au</a>
John Woinarski	BIODIVERSITY (DIPE)	08 8944 8451	<a href="mailto:john.woinarski@nt.gov.au">john.woinarski@nt.gov.au</a>
Kerry Beggs	BIODIVERSITY(DIPE)	08 89448458	?
Peter Brocklehurst	LAND and VEG(DIPE)	08 8999 3623	<a href="mailto:peter.brocklehurst@nt.gov.au">peter.brocklehurst@nt.gov.au</a>
Stephen Hester	LAND and VEG(DIPE)	08 89994446	?
Tony Orr	Defence Department	08 89355165	<a href="mailto:tony.orr@defence.gov.au">tony.orr@defence.gov.au</a>
Bretan Clifford	BIODIVERSITY(DIPE)	08 89518244	
Kym Brennan	BIODIVERSITY(DIPE)	08 89448469	<a href="mailto:kym.brennan@nt.gov.au">kym.brennan@nt.gov.au</a>

**Appendix 2: Biodiversity Unit: unknown surveys or no detail for many attributes**

<b>description/notes</b>	<b>custodian/source</b>	<b>no. sites</b>	<b>no. records</b>
Arid Wetland	Craig? Angus Duguid?	?	?
ECOZ survey - Kakadu?	ECOZ company? via JW	20	358
VRD - Judy Egan	Judy Egan	74	2733
Finke bioregion	Chris Brock	?	?
Gunn pt	Tony O'Grady (NTU)	?	?
Kakadu re-survey 2002	BAU (Watson)	?	?
Kakadu 12 grids	BAU (Watson)	?	?
Kakadu stage 3 re-survey 2001	BAU (Watson)	?	?
Kapalga	Dick Williams CSIRO	?	?
melville monitoring 2002	BAU (Brennan)	?	?
melville owls	BAU (Brennan)	?	?
veg survey	BAU (Kym B)	20	110
roper landcare	BAU (Fisher/Risler)	?	?
Southern reserves	from Brenda Pitts	?	?
Yinberry	Raelee/Jenni	?	?

### Appendix 3: Land Unit/Land System/Soil Surveys not used:

No detail or files not found. Generally speaking the earlier land unit/system surveys had very limited vegetation descriptions.

Survey	Storage DIPE	Comment
Aldrick, J.M. and Robinson, C.S. REPORT ON THE LAND UNITS OF THE KATHERINE-DOUGLAS AREA, NT. 1970 (1972). Land Conservation Section, Animal Industry and Agriculture Branch, Northern Territory Administration, DARWIN, NT.	BOXFILE 15	Field note book; no detail
Howe, D. F. LAND UNITS OF THE BEATRICE HILL EXPERIMENT STATION (1972). Animal Industry and Agriculture Branch, Department of the Northern Territory, DARWIN, NT.	BOXFILE 5	Field note book; no detail
Robinson, C.S. Day, K.J. and Hooper, A.D.L. LAND SYSTEM SURVEY OF EVA VALLEY STATION AND SURROUNDING CROWN LAND 1973 (1975). Land Conservation Section, Animal Industry and Agriculture Branch, Department of Northern Australia, DARWIN, NT.	-	file not found
White, L. and McLeod, P.J. SOILS OF THE KOONGARRA MONITORING AREA (1986). , DARWIN, NT.	-	file not found
Gibbs, C.R. and VanCuylenburg, H.R. REPORT OF THE LAND UNITS OF MATARANKA NORTH STATION (1978). Land Conservation Section, Forestry, Fisheries & Land Conservation Branch, Department of the Northern Territory, DARWIN, NT.	-	file not found
Lynch, B.T. and Manning, K.M. THE LAND UNITS OF WYWORRIE STATION, NT. (1986). , DARWIN, NT.	-	file not found
Gibbs, C.R. Wells, M.R. and VanCuylenburg, H.R. A REPORT ON THE LAND UNITS OF SELECTED AREAS OF MANBULLOO STATION, NT. 1976 (1976). Land Conservation Section, Forestry, Fisheries & Land Conservation Branch, Department of the Northern Territory, DARWIN, NT.	Y	file not found
Wells, M.R. and Harrison, C.J. LAND UNITS OF THE HOWARD SPRINGS - HUMPTY DOO AREA (1978). , Territory Parks and Wildlife Commission, DARWIN, NT.	BOXFILE 18	file not found
Day, K.J. and Sallawy, KATHERINE EXPERIMENTAL FARM FIELD DATA ONLY	BOXFILE 58	file not found
Wells, M.R. LAND USE STUDY OF THE RURAL ENVIRONS OF DARWIN (1978). Land Conservation Section, Department of the Northern Territory, DARWIN, NT.	BOXFILE 9/2	file not found
Siversten, D.P. McLeod, P.J. and Henderson, R.I. LAND RESOURCES OF THE BERRY SPRINGS NATURE PARK AND PROPOSED DEVELOPMENT AREA (1980). , , DARWIN, NT.	N	file not found
Fogarty, P.J. Lynch, B. and Wood, B.G. THE LAND RESOURCES OF THE ELIZABETH, DARWIN AND BLACKMORE RIVERS (1984). , , DARWIN, NT.	N	file not found
Howe, D.F. and Czachorwski, A. LAND UNITS OF THE BORROLOOLA TOWNSHIP AREA (1974). Land Conservation Section, Animal Industry and Agriculture Branch, Northern Territory Administration, DARWIN, NT	NA	file not found
Fett, D.R. and Hall, I. REPORT ON THE LAND UNITS OF THE WESTERN SECTION OF ANNABURROO STATION, NORTHERN TERRITORY (1983). Land Conservation Unit, , DARWIN, NT.		file not found
Fogarty, P.J. LAND UNITS OF A PORTION OF BAN BAN SPRINGS STATION		file not found
Faulker, A.F. and Wesley-Smith, R.N. REPORT ON A LAND SYSTEM OF THE BULMAN AREA, ARNHAM LAND, NT		file not found
Laity, J.M. and Day, K.J. REPORT ON THE LAND UNITS OF THE COASTAL PLAINS Primary Data Source only		file not found
Lynch, B.T. and Hall, I. LAND UNITS OF THE COLINTA / D.I.D. TRIAL PADDOCKS MCARTHUR RIVER STATION (1988). , PALMERSTON, NT.		file not found
Raine, S.R. LAND UNITS OF AN AREA COOLIBAH STATION VICTORIA RIVER DISTRICT (1989). Land Resource Surveys (North), . .		file not found
Raine, S.R. LAND UNITS OF AN AREA OF DELAMERE & INNESVALE STATION, VICTORIA RIVER DISTRICT, NT (1989). Land Resource Surveys (North), . .		file not found
Wood, B.G. REPORT ON THE LAND UNITS OF THE DORISVALE AREA - DORISVALE STATION & VACANT CROWN LAND EAST OF		file not found

DORISVALE STATION TO THE DALY RIVER (1978). Territory Parks and Wildlife Commission, DARWIN, NT.		
Lucas, S. and Manning, K. LAND RESOURCES OF ELSEY PARK/MATARANKA, NT (1988). , , DARWIN, NT.		file not found
Wood, B.G., Blandford, D. and Harrison, C. THE LAND SYSTEMS AND EROSION ON PART OF HUMBERT RIVER STATION (1979). Territory Parks and Wildlife Commission, DARWIN, NT.		file not found
Lynch, B.T. LAND RESOURCES OF THE HUMPTY DOO AREA (1984). , , DARWIN, NT.		file not found
Aldrick, J.M. and Moody, P.W. REPORT ON THE SOILS OF THE LOWER WEABER & KEEP PLAINS, NT. (1977) Australian Government Publishing Service, CANBERRA, ACT.		file not found
Forster, B.A. and Latty, J.R. REPORT ON THE LAND UNITS OF THE VICTORIA RIVER RESEARCH STATION/KIDMAN SPRINGS (1972). Land Conservation Section, Animal Industry and Agriculture Branch, Northern Territory Administration, DARWIN, NT.		file not found
Wells, M.R., VanCuylenburg, H.R. and Dunlop, C.R. LAND SYSTEMS OF THE WESTERN HALF OF MELVILLE ISLAND, NT (1978). Territory Parks and Wildlife Commission, DARWIN, NT.		file not found
VanCuylenburg, H.R. and Czachorwski, A. LAND UNITS OF THE DEVELOPMENT AREA, MT RINGWOOD STATION (1978). , Territory Parks and Wildlife Commission, DARWIN, NT.		file not found
Day, K.J. and Czachorwski, A. LAND UNITS OF THE NABARLEK MINE AREA, NT (1982). Commission of the Northern Territory, DARWIN, NT.		file not found
White, L.A. Finlater, P.A. VanCuylenburg, H.R. and Hall, I.R. SOIL STUDIES IN THE EASTERN SECTOR OF THE NOURLANGIE CREEK CATCHMENT 1979 - PART 1 (1982). , , DARWIN, NT.		file not found
Aldrick, J. Howe, D. and Dunlop, C. REPORT ON THE LANDS OF THE ORD RIVER CATCHMENT, NT (1978). Land Conservation Section, Animal Industry and Agriculture Branch, Northern Territory Administration, DARWIN, NT.		file not found
WOOD, B.G. LAND UNITS OF THE PINE CREEK TOWNSHIP AREA (1977). Land Conservation Section, Forestry, Fisheries & Land Conservation Branch, Department of the Northern Territory, DARWIN, NT.		file not found
Aldrick, J.M. Howe, D. and Robinson, C. LAND SYSTEMS OF THE PORT KEATS AREA, 1972 (1977). Land Conservation Section, Animal Industry and Agriculture Branch, Northern Territory Administration, DARWIN, NT.		file not found
Fogarty, P.J. THE LAND SYSTEMS OF ST VIDGEON STATION (1983). , , DARWIN, NT.		file not found
Wells, M.R. and VanCuylenburg, H.R. LAND UNITS OF THE TIMBER CREEK TOWNSHIP AREA (1976). Land Conservation Section, Animal Industry and Agriculture Branch, Northern Territory Administration, DARWIN, NT.		file not found
Fogarty, P.J. THE LAND RESOURCES OF THE MARRAKAI AREA (1980). , , DARWIN, NT.		file not found
Lehman, K. and Edgoose, C. THE LAND RESOURCES OF NEUTRAL JUNCTION STATION (1996). , , ALICE SPRINGS.		file not found
Condon, R.W. A RECONNAISSANCE EROSION SURVEY OF PART OF THE VICTORIA RIVER DISTRICT, NT. (1988). Land Conservation Unit, , DARWIN, NT.	BOXFILE 123	NA
Gibbs, C.R. and Melville, I.R. DALY RIVER FARM AREA (1976). Land Conservation Section, Animal Industry and Agriculture Branch, Northern Territory Administration, DARWIN, NT.	BOXFILE 11	no detail
Fogarty, P.J. and Gibbs, C.R. REPORT ON THE LAND UNITS OF THE DALY RIVER AGRICULTURAL AREA (1976). Land Conservation Section, Animal Industry and Agriculture Branch, Northern Territory Administration, DARWIN, NT.	BOXFILE 12	no detail
Day, K.J. and Forster, B.A. LAND SYSTEMS OF THE DRY RIVER AREA, NT (1978). Territory Parks and Wildlife Commission, DARWIN, NT.	BOXFILE 51	no detail
Fogarty, P. Howe, D. and Dunlop, C.R. THE LAND RESOURCES OF THE DARWIN AREA (1979). , Territory Parks and Wildlife Commission, DARWIN, NT.	BOXFILE 9	no detail
Wood, B.G. SOILS OF THE PROPOSED KATHERINE EAST DEVELOPMENT and THEIR CAPABILITY FOR UBAN DEVELOPMENT (1985). , , DARWIN, NT.		no detail
Wells, M. R.	BOXFILE 1	no veg info found
Wood, B.G. Fogarty, P.J. and Day, K.J. LAND SYSTEMS OF THE DARWIN REGION (1985). , , DARWIN, NT.	BOXFILE 10	no veg info found
Howe, D.F. and Czachorwski, A. HORTICULTURAL POTENTIAL - A SURVEY OF THE HARRISON DAM AREA HUMPTY-DOO, NT (1979). , Territory Parks and Wildlife Commission, DARWIN, NT.	BOXFILE 17	no veg info found

Aldrick, J. LAND UNITS OF THE FISH RIVER-OOLLOO AREA, NT (1984). , DARWIN, NT.	BOXFILE 36	no veg info found
Robinson, C.S. Forster, B.A. and VanCuylenburg, H.R.M. REPORT ON COOMALIE PARK (AND ADJOINING AREAS NORTH OF ADELAIDE RIVER) (1972). Land Conservation Section, Animal Industry and Agriculture Branch, Department of the Northern Territory, DARWIN, NT.	BOXFILE 4	no veg info found
Forster, B.A. REPORT ON THE LAND UNITS OF WAGAIT ABORIGINAL RESERVE (1973). Land Conservation Section, Animal Industry and Agriculture Branch, Department of the Northern Territory, DARWIN, NT.	BOXFILE 42	no veg info found
Day, K.J. Harrison, C.J. and VanCuylenburg, H.R. LAND RESOURCES OF WILDMAN RIVER STATION, NT (1979). Territory Parks and Wildlife Commission, DARWIN, NT.	BOXFILE 43	no veg info found
Day, K.J. and Forster, B.A. REPORT ON THE LAND UNITS OF CROKER ISLAND, NT (1972). Land Conservation Section, Animal Industry and Agriculture Branch, Department of the Northern Territory, DARWIN, NT.	BOXFILE 8	no veg info found
VanCuylenburg, H.R. and Czachorowski, A. LAND UNITS OF AN AREA ON KOOLPINYAH STATION (1984). , DARWIN, NT.	BOXFILE 91	no veg info found

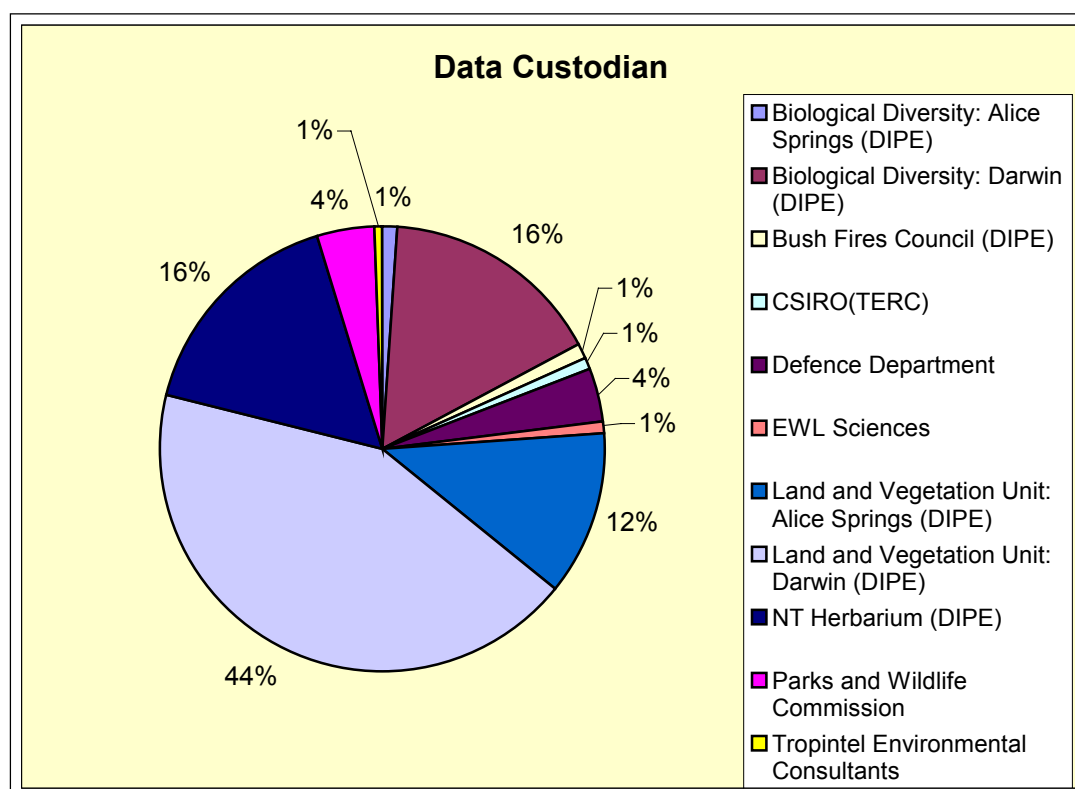


## Appendix 4: Tables and Graphs

### 4.1 Data Custodian

Custodian	sites	%
Land and Vegetation Unit: Darwin (DIPE)	13130	43.87
NT Herbarium (DIPE)	4984	16.14
Biological Diversity: Darwin (DIPE)	4925	15.95
Land and Vegetation Unit: Alice Springs (DIPE)	3691	11.96
Parks and Wildlife Commission	1246	4.04
Defence Department	1228	3.98
Bush Fires Council (DIPE)	399	1.29
Biological Diversity: Alice Springs (DIPE)	300	0.97
CSIRO(TERC)	200	0.65
EWL Sciences	196	0.63
Tropintel Environmental Consultants	159	0.52
Total	30873	100.00

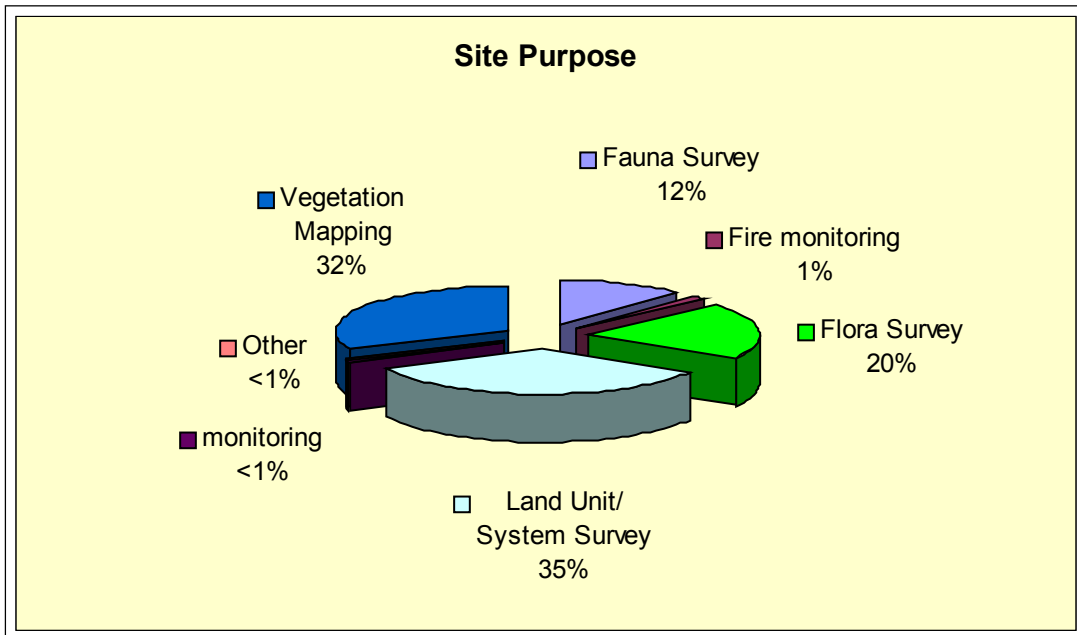
Following the recent restructure within the NTG, most data is now held within the various sections of the Department of Infrastructure and Planning (DIPE).



### 4.2 Site Purpose

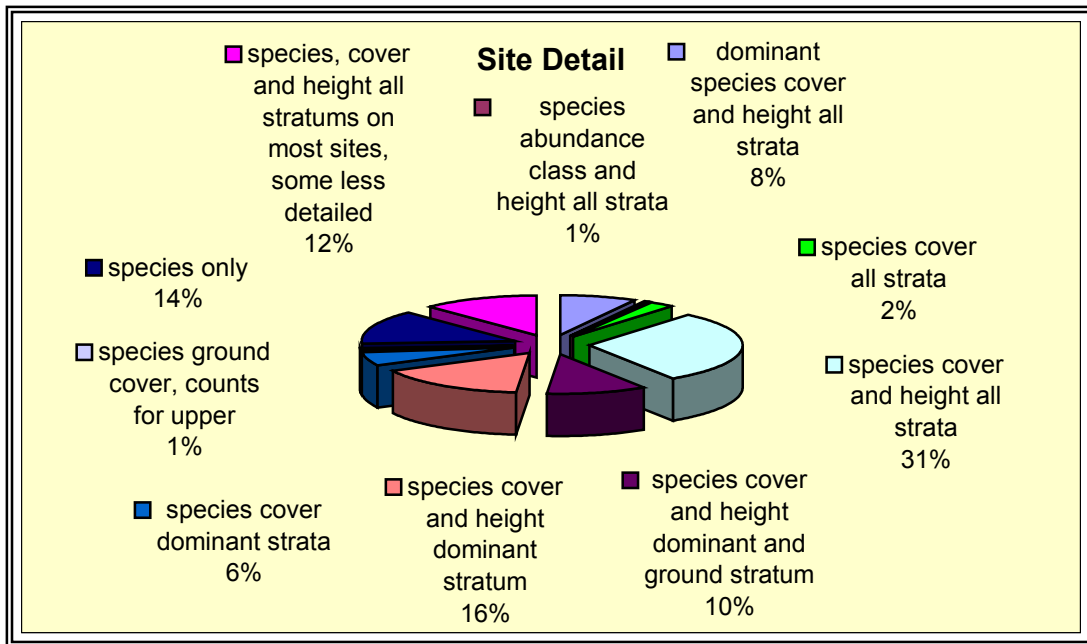
Custodian	sites	%
Fauna Survey	3641	11.79
Fire monitoring	399	1.29
Flora Survey	6146	19.90
Land Unit/ System Survey	10492	35.32
monitoring	111	0.35
Other	108	0.34

Vegetation Mapping	9561	30.96
Grand Total	30873	100



#### 4.3 Site Data Detail

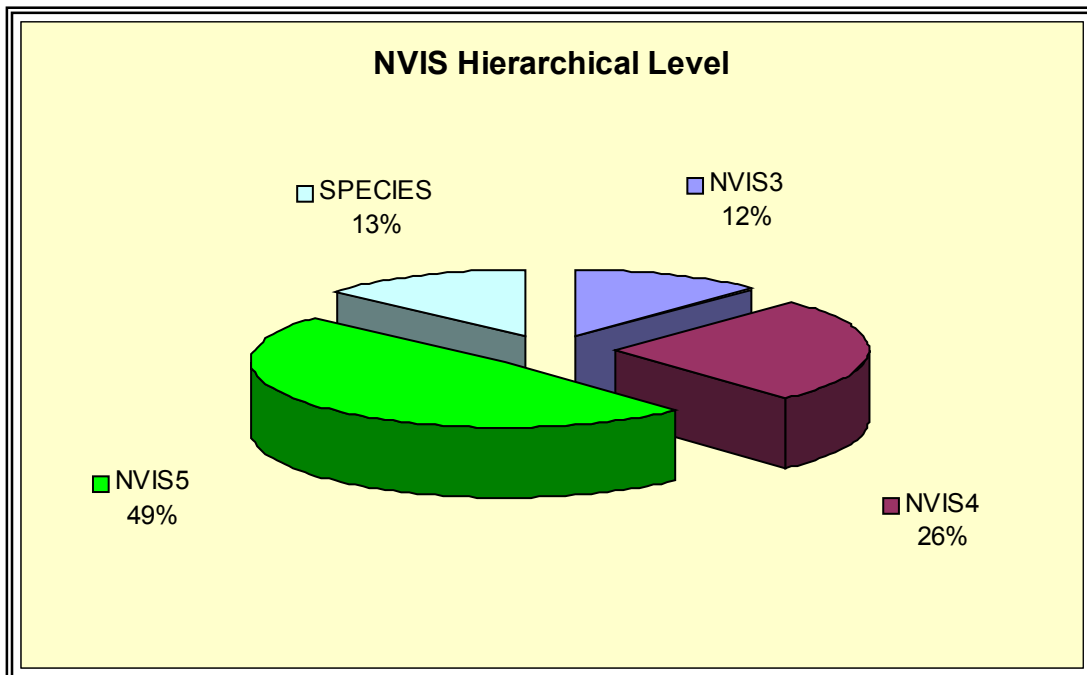
Site detail	sites	%
dominant species cover and height all strata	2462	7.97
species abundance class and height all strata	159	0.52
species cover all strata	738	2.39
species cover and height all strata	9486	30.73
species cover and height dominant and ground stratum	3226	10.45
species cover and height dominant stratum	4875	15.79
species cover dominant strata	1699	5.50
species ground cover, counts for upper	271	0.88
species only	4266	13.82
species, cover and height all stratum on most sites, some less detailed	3691	11.96
Grand Total	30873	100.00



#### 4.4 Data detail in terms of the NVIS Hierarchy

Less than half the data has structural and floristic detail sufficient to merit a NVIS Level V category

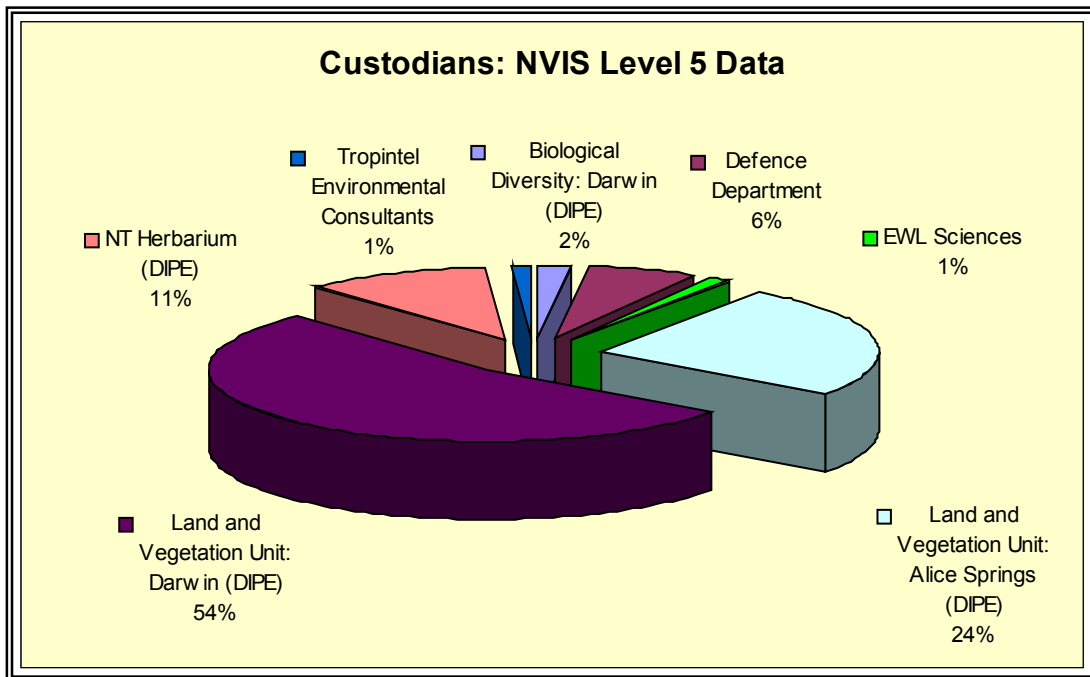
Custodian	sites	%
NVIS3	3749	12.14
NVIS4	7965	25.8
NVIS5	15073	48.83
SPECIES	4086	13.22
Grand Total	30873	100.00



#### 4.5 Custodians: NVIS Level V Data

NVIS level 5 data is deemed sufficient to adequately describe mapped polygons. Lesser levels although sufficient for intended purposes are deemed insufficient for attributing polygons

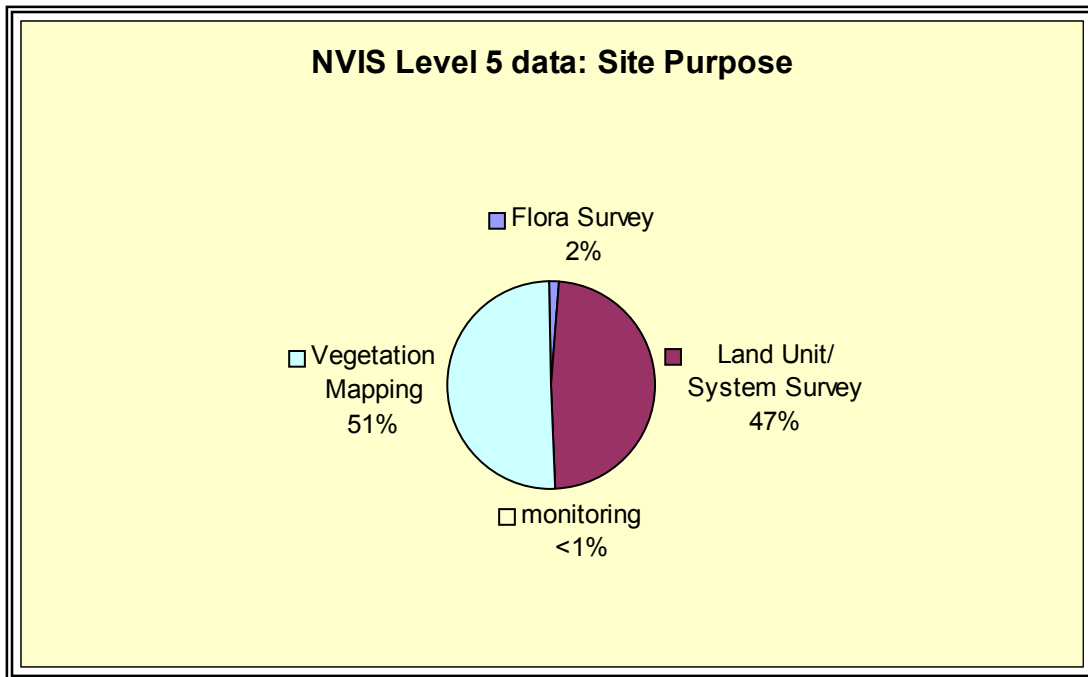
Custodian	sites	%
Biological Diversity: Darwin (DIPE)	270	1.79
Defence Department	971	6.44
EWL Sciences	196	1.30
Land and Vegetation Unit: Alice Springs (DIPE)	3691	24.49
Land and Vegetation Unit: Darwin (DIPE)	7771	54.31
NT Herbarium (DIPE)	1600	10.62
Tropintel Environmental Consultants	159	1.05



#### 4.6 NVIS Level 5 data

Sites were surveyed for the following reasons.

Site Purpose	sites	%
Flora Survey	270	1.791282
Land Unit/ System Survey	7123	47.25668
monitoring	18	0.119419
Vegetation Mapping	7662	50.83261
Grand Total	15073	100



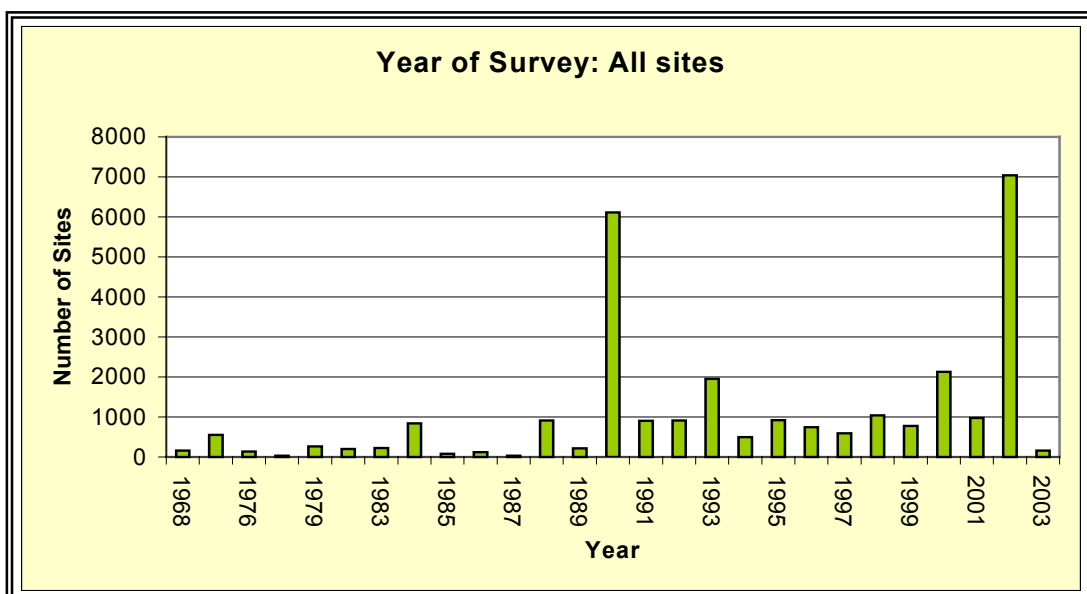
#### 4.7 Mapping attached to Sites

Map produced as part of survey. However it may not be digital.

Mapping	sites	%	% of sites at NVIS level V
No mapping	12803	41.46	
Land unit/system mapping	10482	33.9	64%
Vegetation mapping	7011	22.7	100%
unknown	577	1.86	
Grand Total	30873	100.00	

#### 4.8 Compilation Date of Survey

Site survey compilation date. The actual date of the site may vary slightly from that indicated below as the only way to assess this properly is to look at each individual site sheet (eg 30873). What is represented below is the completion date of the survey. The two peaks are for the 1:1000,000 scale vegetation map (1990) and the VRD land unit survey. The actual site sheet date is contained in the database but had many missing values (34% missing) and was therefore not used.



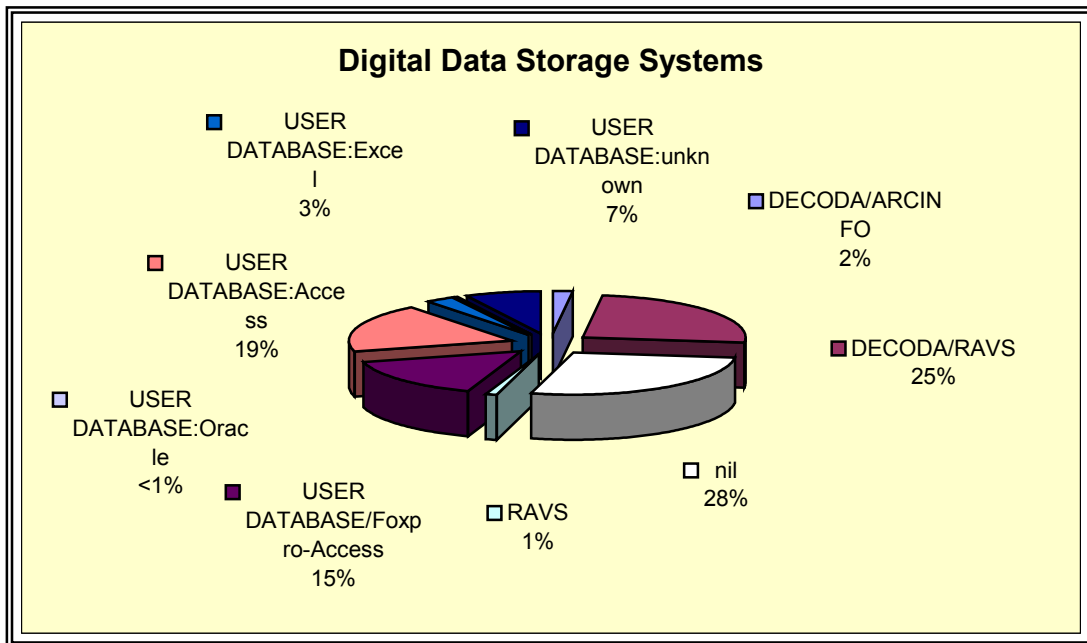
#### 4.9 Data Sheet Format (mid 2003)

Approximately 66% of sites are stored electronically. Digital data is stored in a number of different data packages. However there is no standardisation of database attributes between different databases held by different custodians.

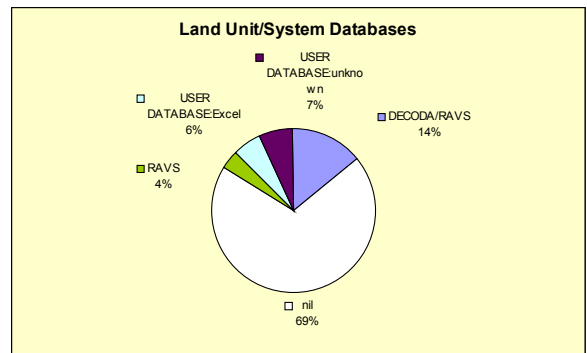
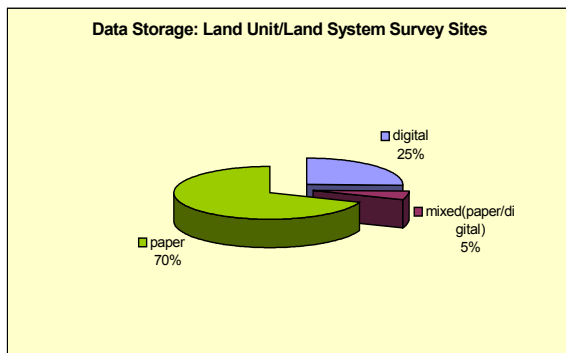
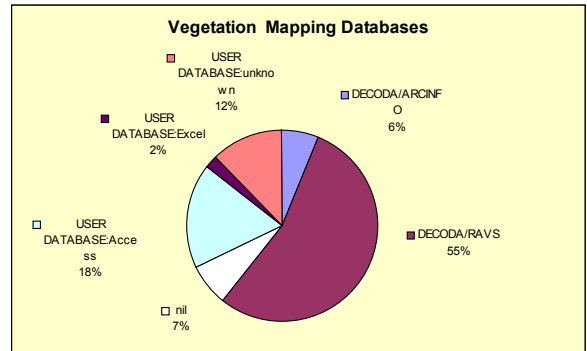
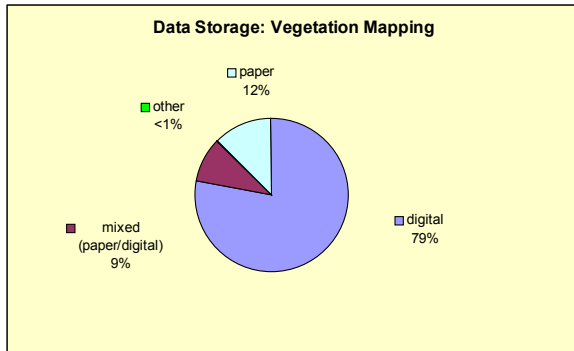
Storage	Sites	%
digital	20490	66.3
mixed(paper/digital)	1475	4.77
other	64	0.20
Paper(non-digital)	8844	28.64

#### 4.10 Digital Data Storage systems

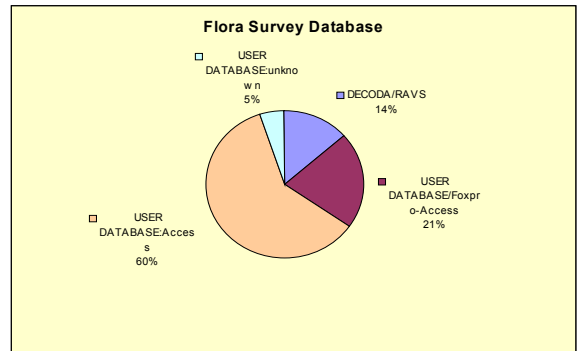
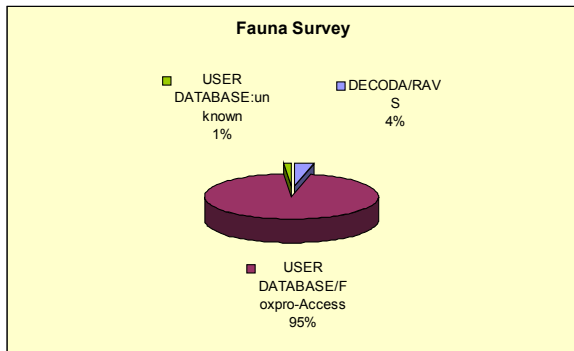
Most sites are stored in DECODA,RAVS or Microsoft Access databases



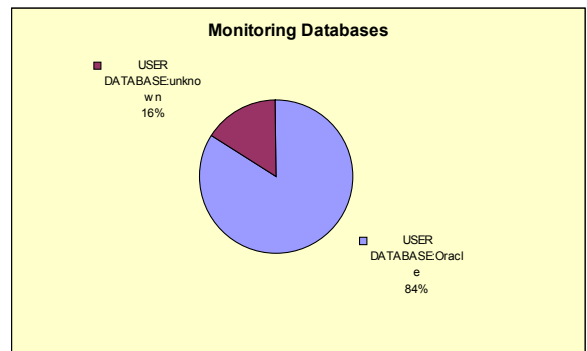
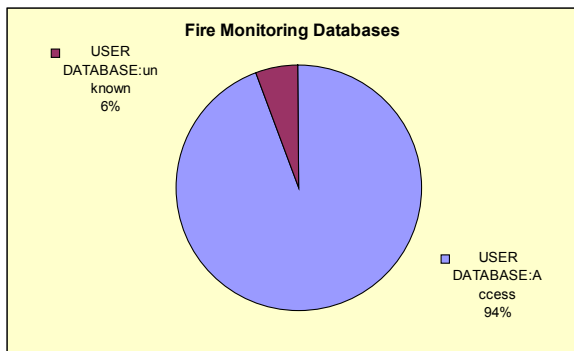
#### 4.11 Digital Data Storage and databases for each survey type



All flora and fauna survey sites are digital



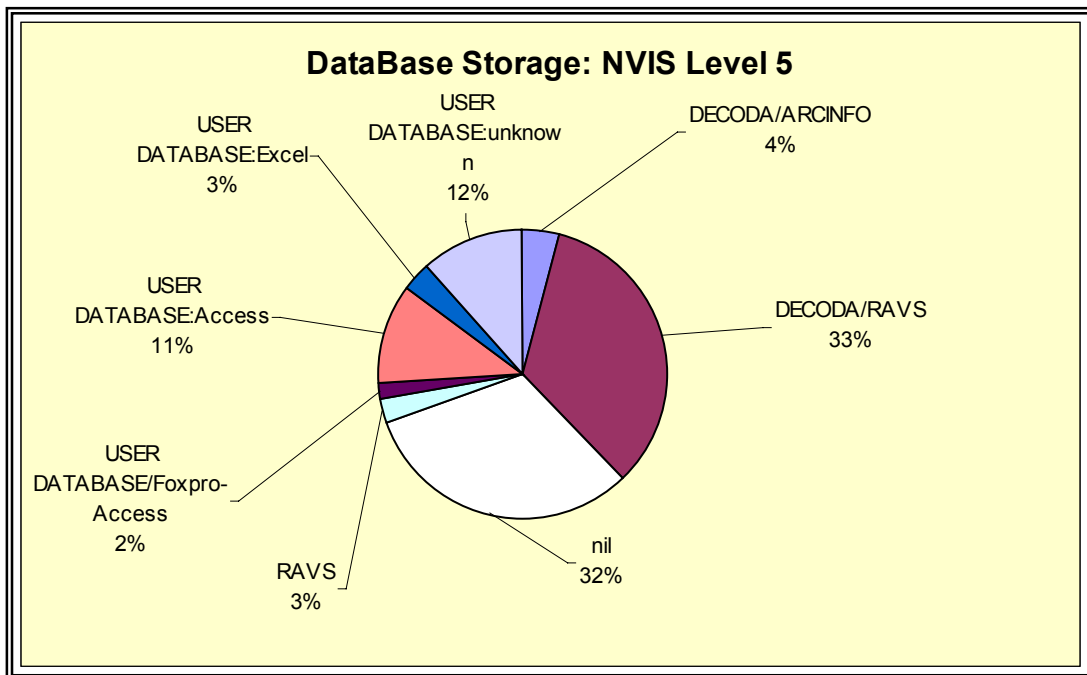
All fire monitoring and monitoring sites are digital



#### 4.12 NVIS Level V digital data storage

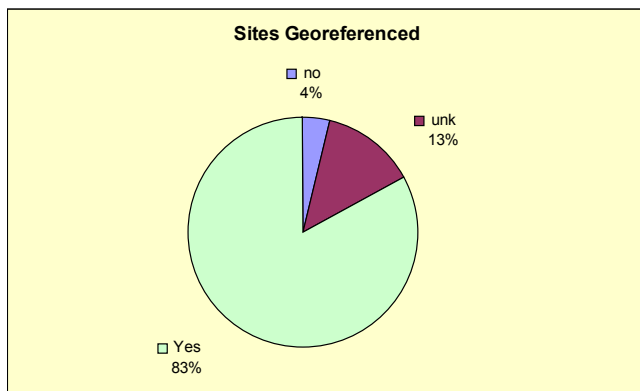
Data Storage	Sites	%
DECODA/ARCINFO	609	4.04
DECODA/RAVS	5068	33.62
nil	4774	31.67
RAVS	415	2.75
USER DATABASE/Foxpro-Access	270	1.79
USER DATABASE:Access	1705	11.31
USER DATABASE:Excel	470	3.11
USER DATABASE:unknown	1762	11.68
Grand Total	15073	100

Most NVIS level 5 sites are stored in DECODA, RAVS or Microsoft Access databases



#### 4.13 Geo referencing of Sites

Most sites have geo-referencing information.



## Appendix 5: Database Download

The following table needs to be printed on A3 landscape. It will still be almost unreadable but is included here so all information is in one document. The table can be transferred to Microsoft Excel by

1. Select table-TABLE MENU
2. Convert table to text using '\*' as delimiter. TABLE MENU
3. Save as .txt file (or cut and paste)
4. Open in Excel and follow Excel procedures for delimited file with no text qualifier

State	Custodian	Official contact	Date begin	Date end	Compilation date	Survey Name	Site purpose	Number of sites	Site Detail	Georeferenced	Spatial accuracy	Data storage	Database manager	Historical contact	Geographic extent	Quality	Transfer	Digital Data Storage	Comments	Digital Mapping exists	NVIS Level
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1988	Kakadu National Park Stage III fauna survey	Fauna Survey	380	species cover dominant strata	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Kakadu National Park	good	with some work	USER DATABASE /Foxpro-Access	Subset of Standard Biodiversity Unit VEG Proforma:basal area ?	n	NVIS3
WA	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1997	Kalumburu fauna survey	Fauna Survey	10	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Kalumburu WA	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
WA	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1997	Drysdale river fauna survey	Fauna Survey	11	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Drysdale river	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1996	Bullita Ranger training camp	Fauna Survey	16	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Gregory National Park	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1996	Spirit Hills fauna survey	Fauna Survey	18	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Spirit hills station, VRD region NT	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2002	2002	2002	White Eagle fauna survey	Fauna Survey	20	species cover and height dominant and ground stratum	Yes	100	digital	greg.connors@nt.gov.au	owen.price@nt.gov.au-0889448467		good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0		Solar Village survey	Fauna Survey	20	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Solar village, Humpty Doo, Darwin	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2001	2001	2001	Fish river ranger training camp	Fauna Survey	24	species cover and height dominant and ground stratum	Yes	100	digital	greg.connors@nt.gov.au	owen.price@nt.gov.au-0889448467	Fish River	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1997	NATT fauna survey	Fauna Survey	30	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Transect NTH-STH NT	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1997	Dyer fauna survey	Fauna Survey	32	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	?	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species	n	NVIS4

NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1996	Limmen Gate fauna survey	Fauna Survey	45	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Limmen Gate national park	good	with some work	USER DATABASE /Foxpro-Access	lists, stratum cover/ht, however not all species linked directly to strata (mid). Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1999	1999	1999	VRD 1999 fauna survey	Fauna Survey	45	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Victoria river region	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1997	CRC survey of VRD	Fauna Survey	46	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	VRD region north west NT	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1995	1995	2001	Litchfield NP fauna survey 2001	Fauna Survey	47	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Litchfield National Park	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1994	Cape Arnhem fauna survey	Fauna Survey	55	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Cape Arnhem, north east arnhemland	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1997	Bradshaw FTA97	Fauna Survey	78	species cover and height all strata	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Bradshaw Stn, VRD region	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2001	2001	2001	Fragments fauna survey	Fauna Survey	91	species cover and height dominant and ground stratum	Yes	100	digital	greg.connors@nt.gov.au	owen.price@nt.gov.au-0889448467		reaso nable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2001	2001	2001	Tiwi Islands 2001 fauna survey	Fauna Survey	115	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Melville and Bathurst Island	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1995	1995	1995	Litchfield NP fauna survey 1995	Fauna Survey	116	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Litchfield National Park	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1988	1999	1999	Daly river fauna survey	Fauna Survey	136	species cover and height dominant and ground stratum	Yes	100	digital	greg.connors@nt.gov.au	owen.price@nt.gov.au-0889448467	Daly River	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
WA	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1989	Bungle Bungle Survey	Fauna Survey	150	species cover dominant strata	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Bungle Bungle National Park	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:!??	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1999	Sturt Plateau fauna survey	Fauna Survey	164	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	alaric.fisher@nt.gov.au-0889448454	Sturt Plateau	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4

NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2000	2000	2000	Tiwi Islands 2000 fauna survey	Fauna Survey	204	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Melville and Bathurst Island	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1993	Wessel Islands fauna survey	Fauna Survey	226	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Wessel Islands	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1996	1998	1996	Wessel Islands fauna survey	Fauna Survey	226	species cover and height dominant and ground stratum	Yes	100	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Wessel and English Islands north east arnhemland	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	alaric.fisher@nt.gov.au-0889448454	0	0		Cobourg Ranger Training Camp and rabbit rat survey	Fauna Survey	1084	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	alaric.fisher@nt.gov.au-0889448454	Cobourg Peninsula, Northern NT	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	2002	Bradshaw Fauna survey	Fauna Survey		species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	alaric.fisher@nt.gov.au-0889448454	Bradshaw Station, VRD region	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	ohn.woinarski@nt.gov.au-0889448451	0	0	0	Rock Rat Surveys	Fauna Survey	47	species only	no	100	digital	greg.connors@nt.gov.au	Helen Puckey	?	reasonable	with some work	USER DATABASE :unknown	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2000	2002	2002	Litchfield Shire fauna survey	Fauna Survey	130	species only	no	100	digital	greg.connors@nt.gov.au	owen.price@nt.gov.au	Northern Territory	reasonable	with some work	DECODAR AVS		u	SPECIES
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1978	1978	1978	CSIRO Kakadu Stage I & II	Fauna Survey	30	species only	Yes	200	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Kakadu National Park	good	with some work	USER DATABASE /Foxpro-Access		n	SPECIES
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1997	NATT flora survey	Fauna Survey	45	species only	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	Transect NTH-STH NT	reasonable	with some work	USER DATABASE /Foxpro-Access		n	SPECIES
NT	Bush Fires Council (DIPE)	andrew.edwards@nt.gov.au-89448464	1997	0	1997	Litchfield NP fireplots	Fire Monitoring	41	species ground cover, counts for upper	Yes	20	digital	greg.connors@nt.gov.au	andrew.edwards@nt.gov.au-89448464	Litchfield National Park	good	with some work	USER DATABASE :Access	emeasured every five years. Remasured 1999. Transect and quadrant data mixed. Ground covers with species, shrubs in various classes, dbhob /ht for trees, no canopy cover.	n	NVIS3
NT	Bush Fires Council (DIPE)	andrew.edwards@nt.gov.au-89448464	1996	0	1996	Nitmiluk NP fireplots	Fire Monitoring	46	species ground cover, counts for upper	Yes	20	digital	greg.connors@nt.gov.au	andrew.edwards@nt.gov.au-89448464	Nitmiluk National Park	good	with some work	USER DATABASE :Access	emeasured every five years. Remasured 2001. Transect and quadrant data mixed. Ground covers with species, shrubs in various classes, dbhob /ht for trees, no canopy cover.	n	NVIS3
NT	Bush Fires Council (DIPE)	andrew.edwards@nt.gov.au-89448464	1998	0	1998	Gregory NP fireplots	Fire Monitoring	50	species ground cover, counts for upper	Yes	20	digital	greg.connors@nt.gov.au	andrew.edwards@nt.gov.au-89448464	Gregory National Park	good	with some work	USER DATABASE :Access	emeasured every five years. Remasured 2003. Transect and quadrant data mixed. Ground covers with species, shrubs in various classes, dbhob/ht for trees, no canopy cover.	n	NVIS3
NT	Bush Fires Council (DIPE)	andrew.edwards@nt.gov.au-89448464	1996	0	1999	VRD fireplots	Fire Monitoring	106	species only	Yes	20	digital	greg.connors@nt.gov.au	cameron.yates	Victoria river region	good	with some work	USER DATABASE :Access	Transect and quadrant data mixed. Ground covers with species, shrubs in various classes, dbhob /ht for trees, no canopy cover.	n	NVIS3
NT	Bush Fires Council (DIPE)	jeremy.russell.smith@bushfires.nt.gov.au (BFC)	0	0	2002	Bradshaw Fire Plots	Fire Monitoring	22	species cover and height dominant stratum	no	30	digital	greg.connors@nt.gov.au	cameron.yates@bfc.nt.gov.au	Bradshaw Station VRD	good	with some work	USER DATABASE :unknown	Fire ecology plotsheet format	n	NVIS3
NT	Bush Fires Council (DIPE)	andrew.edwards@nt.gov.au-89448464	1994	0	1996	Kakadu NP fireplots	Fire monitoring	134	species ground cover, counts for upper	Yes		digital	greg.connors@nt.gov.au	andrew.edwards@nt.gov.au	Kakadu National Park	good	with some work	USER DATABASE :Access	remeasured every five years. Remasured 1999. Transect and quadrant data mixed. Ground covers with species, shrubs in various classes, dbhob /ht for trees, no canopy cover.	n	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1990	Wetlands Floristic Survey-survey of the floodplains of the NT	Flora Survey	847	species cover and height dominant stratum	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	TEC,CA,PCA	reasonable	with some work	DECODAR AVS	No polygon mapping exists. In addition to field sites there are approximately 700 photosites.	n	NVIS3
NT	Land and Vegetation Unit: Darwin (DIPE)	jane.hosking@nt.gov.au-89994444	1998	2000	2000	Lower Mary River Catchment	Flora Survey	31	species cover and height dominant	Yes	30	digital	?	jane.hosking@nt.gov.au-89994444	Northern	good	with	USER	ANZLICNUMBER: cover by species in classes. Most	n	NVIS3

	Darwin (DIPE)					Vegetation Monitoring-FullSites		stratum							Territory	some work	DATABASE	sites grassland. Overall cover of site, basal areas, dbhob			
NT	Land and Vegetation Unit: Darwin (DIPE)	jane.hosking@nt.gov.au-89994444	1998	2000	2000	Lower Mary River Catchment Vegetation Monitoring-Point Sites	Flora Survey	300	species cover dominant strata	No	-9999	digital	?	jane.hosking@nt.gov.au-89994444	Northern Territory	good	with some work	:Access USER DATABASE	Points along a transect. Cover by species	n	NVIS3
NT	Biological Diversity: Alice Springs (DIPE)	chris.brock@nt.gov.au	0	0		Finke Bioregional analysis	Flora Survey	300	species cover and height dominant stratum	Yes	30	digital	?	chris.brock@nt.gov.au	Finke Bioregion	reasonable	with some work	:Access USER DATABASE :unknown	Standard Quadrat Habitat & Vegetation Structure South: Dominant species list by strata + overall strata cover and height. No species cover measures by strata. Species abundance classes based on species alone.	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2001	2001	2001	Ngukkur vegetation survey	Flora Survey	20	species cover and height dominant and ground stratum	Yes	100	digital	greg.connors@nt.gov.au	kym.brennan@nt.gov.au-0889448469	Ngukkur, South arnhemland	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2001	2001	2001	Gumadir vegetation survey	Flora Survey	27	species only	Yes	100	digital	greg.connors@nt.gov.au	kym.brennan@nt.gov.au-0889448469	Gumadir	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2001	2001	2001	Gumadir vegetation survey mapping exercise	Flora Survey	35	species cover and height dominant and ground stratum	Yes	100	digital	greg.connors@nt.gov.au	kym.brennan@nt.gov.au-0889448469	Gumadir	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	u	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1990	Bluebush fauna survey	Flora Survey	45	species cover dominant strata	Yes	100	digital	greg.connors@nt.gov.au	chris.brock@nt.gov.au-0889448469	Arid	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1995	Mitchell Grasslands survey	Flora Survey	107	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	alaric.fisher@nt.gov.au-0889448454	Top end wide-Black soil plains	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1999	Clay plains survey	Flora Survey	132	species cover and height dominant and ground stratum	Yes	30	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	NT wide-black cracking clay soil plains	good	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1998	2000	1998	Mary River fauna survey	Flora Survey	151	species cover and height dominant and ground stratum	Yes	100	digital	greg.connors@nt.gov.au	Martin Armstrong	Mary river floodplains	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	2001	Arafura swamp vegetation survey	Flora Survey		species cover and height dominant stratum	Yes	100	digital	greg.connors@nt.gov.au	kym.brennan@nt.gov.au-0889448469	Arafura Swamp-central Arnhemland	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2002	2002	2002	Balma vegetation survey	Flora Survey		species cover dominant strata	Yes	100	digital	greg.connors@nt.gov.au	kym.brennan@nt.gov.au-0889448469	Balma-east Arnhemland	reasonable	with some work	USER DATABASE /Foxpro-Access	Standard Biodiversity Unit VEG Proforma:trees/shrubs by BA and BA size class, canopy ht/cover,total ground layer %cover,ground species by cover,full/partial species lists, stratum cover/ht, however not all species linked directly to strata (mid).	n	NVIS4
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1991	Lancewood Survey(Alaric)	Flora Survey	270	species cover and height all strata	Yes	30	digital	greg.connors@nt.gov.au	alaric.fisher@nt.gov.au-0889448454	GUC,GFU,STU,VB,OVP,DAB bioregions	good	with some work	USER DATABASE /Foxpro-Access	Standard NTVGMap Proforma: BA ,species cover/ht by stratum	n	NVIS5
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	2000	2002	2002	Mary River pasture fauna survey	Flora Survey	25	species only	Yes	100	digital	greg.connors@nt.gov.au	kerry beggs	Mary river floodplains	reasonable	with some work	USER DATABASE /Foxpro-Access		n	SPECIES
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1990	1990	1990	Tiwi Island Treeless Plains	Flora Survey	123	species only	Yes	100	digital	greg.connors@nt.gov.au	Bruce Wilson Qld Herbarium EPA	Melville Island	reasonable	with some work	USER DATABASE /Foxpro-	Master thesis	yv	SPECIES

																Access					
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	1998	1998	1998	Riparian survey	Flora Survey	156	species only	Yes	100	digital	greg.connors@nt.gov.au	john.woinarski@nt.gov.au-0889448451	NT RIVERS	reaso nable	with some work	USER DATABASE /Foxpro-Access	n	SPECIES	
NT	Biological Diversity: Darwin (DIPE)	john.woinarski@nt.gov.au-0889448451	0	0	1994	Tiwi Island eucalypts	Flora Survey	193	species only	Yes	100	digital	greg.connors@nt.gov.au	Rod Fensham Qld EPA	Melville and Bathurst Island	reaso nable	with some work	USER DATABASE /Foxpro-Access	n	SPECIES	
NT	NT Herbarium (DIPE)	Greg Leach@nt.gov.au ph 08 8999 4520	1996	2002	2002	Herbarium Plot database	Flora Survey	3384	species only	Yes	50	digital	Peter Krause@nt.gov.au ph08 8999 4407	ian.cowie@nt.gov.au	Northern Territory: north of Tennant Creek	good	with some work	USER DATABASE :Access	Data collection ongoing. Microsoft Access database. Spatial accuracy varies from c. 20 - 100 m	n	SPECIES
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au 89994579	1983	1983	1983	Land systems of the Sturt Plateau	Land Unit/ System Survey	130	species abundance class and height all strata	unk	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Day, K.J. Siversten, D.P. and Torlach, D.A	Northern Territory	reaso nable	with some work	nil	yl	NVIS3	
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1989	1990	1990	Litchfield National Park Vegetation Survey	Land Unit/ System Survey	242	species cover and height all strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	TEC,PCA	reaso nable	with some work	DECODAR AVS	yl	NVIS4	
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1999	2001	2000	Land Units of proposed Kneebone township	Land Unit/ System Survey	160	species cover dominant strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	jasonv.hill@nt.gov.au phone: 061 08 8999 4443	VB	reaso nable	with some work	USER DATABASE :Excel	In progress. Expected finish date 2001	n	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1980	PRELIMINARY REPORT ON THE LAND UNITS OF THE FENTON AREA, DOUGLAS STATION, NT (1980).	Land Unit/ System Survey	14	dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Lucas, S.J. and Siversten, D.P.	DOUGLA S STATION	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1976	REPORT OF THE LAND UNITS OF THE BATCHELOR TOWNSHIP AREA (1976).	Land Unit/ System Survey	55	dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Wood, B.G. and Day, K.J.	BATCHEL OR	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1980	A REPORT ON THE LAND RESOURCES OF SOUTH EAST BATHURST ISLAND (1980).	Land Unit/ System Survey	65	dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Olsen, C. J.	BATHURS T ISLAND	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1985	LAND RESOURCES OF THE KATHERINE GORGE NATIONAL PARK (1985)	Land Unit/ System Survey	82	dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Day, K.J. and Siversten, D.	KATHERI NE GORGE	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1986	LAND RESOURCES OF THE KEEP RIVER NATIONAL PARK (1986)	Land Unit/ System Survey	87	dominant species cover and height all strata	no	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Siversten, D. and VanCuylenburg, H.R.	KEEP RIVER	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1983	LAND UNITS OF THE DOUGLAS/DALY ADMA ACQUISITION AREA, NT (1983).	Land Unit/ System Survey	89	dominant species cover and height all strata	no	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Lucas, S.J.	FENTON FARM	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1980	LAND RESOURCE SURVEY OF DOUGLAS HOT SPRINGS NATURE RESERVE (1980)	Land Unit/ System Survey	123	dominant species cover and height all strata	no	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	VanCuylenburg, H.R.M.	DOUGLA S HOT SPRINGS	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1984	THE LAND SYSTEMS OF THE UPPER MCARTHUR RIVER CATCHMENT (1984)	Land Unit/ System Survey	179	dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Siversten, D. and Olsen, C.	McARTH UR RIVER	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1984	THE LAND SYSTEMS OF THE UPPER MCARTHUR RIVER CATCHMENT (1984)	Land Unit/ System Survey	179	dominant species cover and height all strata	unk	-9999	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Siversten, D. and Olsen, C.	Northern Territory	limite d	with some work	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1988	LAND UNITS OF PART OF TIPPERARY STATION (1988)	Land Unit/ System Survey	210	dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Lynch, B.T. and Wood, B.G. .	TIPPERAR Y STATION	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1979	LAND UNITS OF GUNN POINT (1979)	Land Unit/ System Survey	265	dominant species cover and height all strata	no	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Howe, D. Czachorowski, A. and Dunlop, C.	GUNN POINT	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1975	REPORT ON THE LAND UNITS OF MOUNT BUNDEY STATION (1975).	Land Unit/ System Survey	554	dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Forster, B.A. and Fogarty, P.J.	MOUNT BUNDEY	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au 89994579	1993	2000	2000	VRD Land UNITS newer sites	Land Unit/ System Survey	1350	species cover and height dominant stratum	unk	100	paper		VanCuylenberg, H.R.M. Fett, D. and McLeod, P.J	Camfield, Mt Sandford, Yaralin etc	limite d	with some work	nil	May not include all VRD sites. Site quality varies	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1985	LAND RESOURCES OF THE SUNDAY CREEK DEVELOPMENT AREA, NT (1985).	Land Unit/ System Survey		dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Day, K.J. and Henderson, R.L.	SUNDAY CREEK	limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1993	Kirkimbie Station Vegetation/Land Unit Survey	Land Unit/ System Survey	56	species cover and height dominant stratum	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	reaso nable	with some work	DECODAR AVS	NT Vegmap compatible: Polygon coverage of whole of VRD still to be finalised.	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	1995	1995	1995	Kildurk/Killarney vegetation survey	Land Unit/ System Survey	57	species cover and height all strata	Yes	30	digital		peter.brocklehurst@nt.gov.au phone:08 8999 3623	Northern Territory	good	with some work	DECODAR AVS	NT Vegmap compatible. (Carrie Michell)	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1992	Bunda Station Vegetation/Land Unit Survey	Land Unit/ System Survey	78	species cover and height dominant stratum	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	reaso nable	with some work	DECODAR AVS	NT vegmap compatible. Polygon mapping exists	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1992	Daguragu Station Vegetation/Land Unit Survey	Land Unit/ System Survey	82	species cover and height dominant stratum	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	reaso nable	with some work	DECODAR AVS	NT vegmap compatible. Polygon mapping exists	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1993	Limbunya Station Vegetation/Land Unit Survey	Land Unit/ System Survey	99	species cover and height dominant stratum	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	reaso nable	with some work	DECODAR AVS	NT vegmap compatible. Polygon mapping exists	yl	NVIS5

NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1992	Inverway Station Vegetation/Land Unit Survey	Land Unit/ System Survey	109	species cover and height dominant stratum	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	reasonable	with some work	DECODAR/AVS	NT vegmap compatible. Polygon mapping exists	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1992	Riveren Station Vegetation/Land Unit Survey	Land Unit/ System Survey	118	species cover dominant strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	reasonable	with some work	DECODAR/AVS	NT vegmap compatible. Polygon mapping exists	n	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1992	Birringudu Station Vegetation/Land Unit Survey	Land Unit/ System Survey	155	species cover and height dominant stratum	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	reasonable	with some work	DECODAR/AVS	NT vegmap compatible. Polygon mapping exists	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1988	1991	1990	Arnhemland Land Systems Survey	Land Unit/ System Survey	574	species cover and height all strata	Yes	200	mixed(paper/digital)	stephen.hester@nt.gov.au phone 061 08 8999 4446	Brian Lynch@nt.gov.au phone: 08 8999 3672	TEC,PCA,CA,GUC,GFU	reasonable	with some work	DECODAR/AVS	273 sites are digital. The rest are on paper. Polygon mapping exists.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1985	1985	1986	The Land Resources of Hale Plain	Land Unit/ System Survey	30	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	MacDonnell Ranges Bioregion	good	with some work	nil	At this stage the site sheets are missing.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	2000	2000	2000	The Land Resources of Singleton Horticultural Application Area	Land Unit/ System Survey	36	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Mark Sugars	Tanami Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1994	1994	1995	The Land Resources of Walhallow Station	Land Unit/ System Survey	40	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Chris Edgoose, christine.edgoose@nt.gov.au, 08 8951 5302	Sturt Plateau/Gulf Fall and Uplands/Mitchell Grass Downs Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1993	1994	1994	The Land Resources of Mittiebah Station	Land Unit/ System Survey	54	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Chris Edgoose, christine.edgoose@nt.gov.au, 08 8951 5302	Gulf Fall and Uplands/Mitchell Grass Downs Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1995	1995	1996	The Land Resources of Curtin Springs Station	Land Unit/ System Survey	66	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Peter Jessop	Finke Bioregion	reasonable	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	2001	2002	2002	The Land Resources of Lyndavale Station	Land Unit/ System Survey	70	species, cover and height all stratums on most sites, some less detailed	Yes	20	paper	allison.kennedy@nt.gov.au	Alison Kennedy, alison.kennedy@nt.gov.au, 08 8951 9227	Finke Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1997	1999	1999	The Land Resources of Rocky Hill Subdivision	Land Unit/ System Survey	72	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Richard Tucker	MacDonnell Ranges Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1991	1993	1993	The Land Resources of Upper Todd Catchment	Land Unit/ System Survey	75	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Burt Plain Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1998	1998	1999	The Land Resources of Erldunda Station	Land Unit/ System Survey	78	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Simon Reu	Finke Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1993	1993	1994	The Land Resources of Annitowa Station	Land Unit/ System Survey	78	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Mandy Grant (nee Bowman)	Tanami Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1985	1985	1968	The Land Resources of Indiana	Land Unit/ System Survey	80	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Burt Plain/Simpson-Strezlecki Bioregions	good	with some work	nil	At this stage the site sheets are missing.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	2002	2002	2002	The Land Resources of Owen Springs	Land Unit/ System Survey	80	species, cover and height all stratums on most sites, some less detailed	Yes	20	paper	allison.kennedy@nt.gov.au	Rudy Lennartz, rudy.lennartz@nt.gov.au, 08 8951 9212	MacDonnell Ranges/Finke Bioregions	reasonable	with some work	nil	Data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1985	1985	1968	The Land Resources of Indiana	Land Unit/ System Survey	80	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Burt Plain/Simpson-Strezlecki Bioregions	good	with some work	nil	At this stage the site sheets are missing.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1994	1995	1995	The Land Resources of The Garden Station	Land Unit/ System Survey	81	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Peter Jessop	MacDonnell Ranges Bioregions	reasonable	with some work	nil	NT Vegmap compatible: data sheets available (somewhere). Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1997	1998	1998	The Land Resources of Lucy Creek Station	Land Unit/ System Survey	84	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Simon Reu	Channel Country Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1993	1993	1994	The Land Resources of Neutral Junction Station	Land Unit/ System Survey	85	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Chris Edgoose, christine.edgoose@nt.gov.au, 08 8951 5302	Burt Plain/Tanami Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1995	1995	1996	The Land Resources of Brunette Downs Station	Land Unit/ System Survey	85	species, cover and height all stratums on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Chris Edgoose, christine.edgoose@nt.gov.au, 08 8951 5302	Mitchell Grass Downs Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5

NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1996	1997	1997	The Land Resources of New Crown Station	Land Unit/ System Survey	89	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Peter Jessop	Finke/Stone Plains/Simpson-Strezlecki Bioregions	reasonable	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1998	1998	1998	The Land Resources of Pine Hill Station	Land Unit/ System Survey	90	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Simon Reu	Burt Plain Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1987	1987	1988	The Land Resources of Amburla Station	Land Unit/ System Survey	98	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Great Sandy Desert/Burt Plain Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1992	1992	1993	The Land Resources of Alroy Downs Station	Land Unit/ System Survey	104	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Chris Edgoose, christine.edgoose@nt.gov.au, 08 8951 5302	Mitchell Grass Downs/Tanami Bioregions	reasonable	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	2001	2001	2001	The Land Resources of Andado Station	Land Unit/ System Survey	107	species, cover and height all stratum on most sites, some less detailed	Yes	20	paper	allison.kennedy@nt.gov.au	Alison Kennedy, alison.kennedy@nt.gov.au, 08 8951 9227	Finke/Simpson-Strezlecki Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1997	1997	1998	The Land Resources of Argardargada Station	Land Unit/ System Survey	112	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Simon Reu	Channel Country/Mitchell Grass Downs/Tanami Bioregions	reasonable	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1992	1993	1993	The Land Resources of Tarlton Downs Station	Land Unit/ System Survey	122	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Mandy Grant (nee Bowman)	Channel Country/Simpson-Strezlecki Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	2002	2002	2002	The Land Resources of Umbeara Station	Land Unit/ System Survey	129	species, cover and height all stratum on most sites, some less detailed	Yes	20	paper	allison.kennedy@nt.gov.au	Alison Kennedy, alison.kennedy@nt.gov.au, 08 8951 9227	Finke Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	2000	2001	2001	The Land Resources of Lilla Creek Station	Land Unit/ System Survey	135	species, cover and height all stratum on most sites, some less detailed	Yes	20	paper	allison.kennedy@nt.gov.au	Alison Kennedy, alison.kennedy@nt.gov.au, 08 8951 9227	Finke Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1992	1992	1993	The Land Resources of Watarrka National Park	Land Unit/ System Survey	145	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Chris Edgoose, christine.edgoose@nt.gov.au, 08 8951 5302	Great Sandy Desert/MacDonnell Ranges Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1992	1992	1992	The Land Resources of Narwietooma Station	Land Unit/ System Survey	146	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Mandy Grant (nee Bowman)	Great Sandy Desert/MacDonnell Ranges/Burt Plain Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	2001	2001	2001	The Land Resources of Alice Springs	Land Unit/ System Survey	149	species, cover and height all stratum on most sites, some less detailed	Yes	20	paper	allison.kennedy@nt.gov.au	Rudy Lennartz, rudy.lennartz@nt.gov.au, 08 8951 9212	MacDonnell Ranges Bioregion	reasonable	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made.	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1989	1990	1991	The Land Resources of Delny Station	Land Unit/ System Survey	180	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Burt Plain Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1987	1989	1990	The Land Resources of Helen Springs	Land Unit/ System Survey	188	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Tanami/Mitchell Grass Downs Bioregions	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs			0	The Land Resources of Murray Downs Station	Land Unit/ System Survey	197	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Tanami Bioregion	good	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1987	1987	1988	The Land Resources of Tobermory Station	Land Unit/ System Survey	226	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Channel Country Bioregion	reasonable	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs			0	The Land Resources of Mt Skinner Station	Land Unit/ System Survey	300	species, cover and height all stratum on most sites, some less detailed	Yes	200	paper	allison.kennedy@nt.gov.au	Russell Grant	Burt Plain/Tanami Bioregions	reasonable	with some work	nil	NT Vegmap compatible: data sheets available where stored. Data in process of digital entry. Copies may be made. Scanned data sheets available (somewhere).	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1984	LAND UNITS OF MANDORAH/COX PENINSULA (1984)	Land Unit/ System Survey	481	dominant species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Finlater, P.A.	MANDORAH	good	with effort	nil	NT vegmap compatible; some with dominance only	yl	NVIS5
NT	Land and Vegetation Unit: Alice Springs (DIPE)	Rudy Lennartz(?) Land Resource Assessment Officer A/Spgs	1982	1982	1983	The Land Resources of Orange Creek	Land Unit/ System Survey		species, cover and height all stratum on most sites, some less detailed	Yes		paper	allison.kennedy@nt.gov.au	Dave Torlach, david.torlach@nt.gov.au, 08 8951 9248	MacDonnell Ranges/Finke Bioregions	reasonable	with some work	nil	At this stage the site sheets are missing.	yl	NVIS5

NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	2000	2002	2002	Mary river land units	Land Unit/ System Survey	415	species cover and height all strata	Yes	50	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	Diane Napier	Mary river catchment	good	with some work	RAVS	NT vegmap compatible. Polygon mapping exists	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au 89994579	1997	2002	2002	Land Resources of the Lower Finnis	Land Unit/ System Survey	738	species cover all strata	Yes	50	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone:08 8999 3623	Finniss R. to Bynoe Haven, east to Litchfield Rd. TEC	reaso nable	with some work	USER DATABASE :unknown	NT Vegmap compatible: Percentage cover of individual species is not recorded for sites 1-150 approx. Only a rating of D, A, F, C or R is given. Sites stored in excel.	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1997	2002	2002	Land Units of the Finnis/Dundee Area	Land Unit/ System Survey	470	species cover and height all strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	jasonv.hill@nt.gov.au phone: 061 08 8999 4443		good	with some work	USER DATABASE :Excel	NT vegmap compatible	yl	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	dominique.lynch@nt.gov.au	1995	2003	1995	Tier 2 Pastoral Monitoring	monitoring	93	species cover dominant strata	Yes	20	digital		dominique.lynch@nt.gov.au	VRD region and Barkly Tablelands	good	with some work	USER DATABASE :Oracle	69 sites in VRD-older sites. 24 sites in Barkly Tablelands. Cover of ground layer. Basal area of tree layer ???. Sites revisited regularly	n	NVIS3
NT	Tropintel Environmental Consultants	Tony Orr	1992	1992	1992	MIM McArthur River Mine	monitoring	18	species cover and height all strata	Yes	30	paper	Tony Orr	Tony Orr, Tropintel Environmental Consultants.	McArthur River Mine lease. Northern Territory	good	with some work	USER DATABASE :unknown	Produced as part of contract to MIM Ltd to fulfill requirements of EMP for NT Govt..	n	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au 89994579	0	0	1987	AN ECOLOGICAL SURVEY OF PART OF SPIRIT HILLS STATION, NT	Other	29	species abundance class and height all strata	-1	200	other		Tideman, S. Wilson, P. Burges, J. Kerin, S. and McCartney, J.	MOROAK STATION	reaso nable	with some work	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	n	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	0	0	1976	SOILS OF THE UPPER ROPER PLAINS - MOROAK STATION, NT (1976)	Other	79	dominant species cover and height all strata	no	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Day, K.J. and Wood, B.G.		limite d	with effort	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS4
NT	Parks and Wildlife Commission	David.liddle@nt.gov.au phone:08 8999 4564	1986	1990	1990	Monsoon Vine Forest Survey	Vegetation Mapping	1246	species cover and height dominant stratum	Yes	200	digital		David.liddle@nt.gov.au phone:08 8999 4564	TEC,PCA, DAB,VB,O VP,STU,G FU,GUC,C A,	reaso nable	with some work	DECODAR AVS	Survey covers geographic extent of the monsoon vine-forests. Polygon mapping exists.ANZNT0002002017	yv	NVIS3
NT	Defence Department	Tony Orr	1990	1990	1994	Katherine Wargames	Vegetation Mapping	17	species cover dominant strata	Yes	100	paper	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Katherine area	reaso nable	difficult	nil	Data collected by 3rd party.	n	NVIS3
NT	Defence Department	Tony Orr	1989	1989	1989	Limbunya, Survey Corps	Vegetation Mapping	33	species cover dominant strata	Yes	100	paper	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Limbunya Station	reaso nable	difficult	nil	Data collected by 3rd party.	n	NVIS3
WA	Defence Department	Tony Orr	1989	1989	1990	Kununurra	Vegetation Mapping	34	species cover dominant strata	Yes	100	paper	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Kununurra area	reaso nable	difficult	nil	Land Cover Classifications and Terrain Intelligence Products compiled at 1:100,000 for selected areas.	n	NVIS3
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au 89994579	0	0	0	Cobourg Peninsula Land Resources	Vegetation Mapping		species abundance class and height all strata	unk	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	Wood, B.G. and Siversten, D.P	Cobourg Peninsula	reaso nable	with some work	nil	Early land unit/system surveys: mostly dominant species only by three strat with or with out cover and height values	yl	NVIS3
NT	Defence Department	Tony Orr	2001	2001	2001	P2001	Vegetation Mapping	173	species cover dominant strata	Yes	30	mixed(pape r/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	50km radius of Katherine township NT, Kimberley (WA)	reaso nable	with some work	USER DATABASE :unknown	Land Cover Classifications and Terrain Intelligence Products compiled at 1:50,000 scale.	n	NVIS3
NT	CSIRO(TERC)	dick.williams@csiro.au	1997	2002	2002	North Australian Tropical Transect	Vegetation Mapping	200	species cover and height dominant stratum	Yes	20	digital	dick.williams@csiro.au	dick.williams@csiro.au	NT, Kimberley (WA)	good	with some work	USER DATABASE :Excel	Vegetation Ecology plots species cover; tree height & basal area; soil texture	n	NVIS3
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579			1990	Vegetation Sites VRD Region	Vegetation Mapping	196	species cover dominant strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	limite d	with some work	DECODAR AVS	A large number of extra sites are contained on paper. Polygon coverage still to be finalised	n	NVIS4
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	1995	1996	1995	Mangrove Survey of Darwin Harbour	Vegetation Mapping	80	species cover and height all strata	Yes	50	digital		peter.brocklehurst@nt.gov.au phone:08 8999 3623	Darwin Harbour Northern Territory	good	with some work	DECODAR/RCINFO	NT vegmap compatible- Also DBHOB/height/condition forest data recorded for most sites.	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au	1998	1998	1998	Mangrove Survey of Bynoe Harbour	Vegetation Mapping	117	species cover and height all strata	Yes	30	digital		peter.brocklehurst@nt.gov.au phone:08 8999 3623	Northern Territory	good	with some work	DECODAR/RCINFO	NT vegmap compatible. 106 forest sites with dbhob/height/condition (ARC/INFO). Mapped from aerial photo 1979-1993. Report	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1991	1993	1993	Melaleuca Forest Survey	Vegetation Mapping	412	species cover and height all strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	TEC,PCA, DAB,VB,O VP,STU,G FU,GUC,C A,	good	with some work	DECODAR/RCINFO	NT vegmap compatible. Forest/Stand Structure attributes exist. Polygon mapping exists. Sites in DECODA	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1995	1995	1995	Darwin Harbour Mangrove Survey	Vegetation Mapping	21	species cover and height all strata	Yes	50	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	TEC	good	with some work	DECODAR/AVS	NT vegmap compatible. Polygon mapping exists	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	peter.brocklehurst@nt.gov.au	1990	1990	1990	Gouldian Finch Survey	Vegetation Mapping	22	species cover and height all strata	unk	-9999	digital		mike.clark@nt.greeningaustralia.org.au	Pine creek goldfields region	good	with some work	DECODAR/AVS	NT vegmap compatible	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au 89994579	1990	1990	1990	Mt Todd Vegetation Survey	Vegetation Mapping	26	species cover and height all strata	unk	100	digital		peter.brocklehurst@nt.gov.au phone:08 8999 3623	Mt Todd: Pine creek region	good	with some work	DECODAR/AVS	NT vegmap compatible	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1991	1991	1991	Cape Arnhem Vegetation Survey	Vegetation Mapping	44	species cover and height all strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	TEC	good	with some work	DECODAR/AVS	NT Vegmap compatible:Polygon mapping exists	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1990	Kakadu National Park Stage 3 Vegetation Survey	Vegetation Mapping	93	species cover and height all strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	PCA	reaso nable	with some work	DECODAR/AVS	Survey covers only a small section of the park, in the vicinity of Coronation Hill. No polygon mapping exists	u	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	dave.howe@nt.gov.au 89994579	1990	1990	1990	Kakadu Stage 3 survey	Vegetation Mapping	93	species cover and height all strata	unk	100	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone:08 8999 3623	Kakadu Stage III	good	with some work	DECODAR/AVS	NTVegmap compatible:	u	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	2000	2002	2002	Mangrove Survey Lee Pt to Adelaide River.	Vegetation Mapping	96	species cover and height all strata	Yes	30	digital		peter.brocklehurst@nt.gov.au phone:08 8999 3623	Lee Pt to Adelaide River. Darwin Region	good	with some work	DECODAR/AVS	NT vegmap compatible. forest sites with dbhob/height/condition (ARC/INFO). Mapped from aerial photo 1993-2000. Mapping still to complete	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1991	Groote Island Mining Lease Vegetation Survey	Vegetation Mapping	100	species cover and height all strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	CA	good	with some work	DECODAR/AVS	NT vegmap compatible. Polygon mapping exists.	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	peter.brocklehurst@nt.gov.au	1990	1990	1990	LITCHFIELD VEGETAION SURVEY BY M. CLARK	Vegetation Mapping	100	species cover and height all strata	unk	100	digital		mike.clark@nt.greeningaustralia.org.au	Litchfield National	good	with some work	DECODAR/AVS	NT Vegmap compatible	yv	NVIS5

NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1993	1993	1993	Elsey Station Vegetation Survey	Vegetation Mapping	134	species cover and height all strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	GFU,STU	good	with some work	DECODAR/AVS	NT vegmap compatible. Polygon mapping exists (derived from landsat). Not sure where sites or mapping is.	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1998	1998	1998	Auvergne/Spirit Hills Vegetation Survey	Vegetation Mapping	226	species cover and height all strata	Yes	30	digital		peter.brocklehurst@nt.gov.au phone:08 8999 3623	Auvergne Stn, Spirit hills Stn, Northern VRD	good	with some work	DECODAR/AVS	NT vegmap compatible. No mapping exists. Report	n	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1991	1993	1993	Gregory National Park Vegetation Survey	Vegetation Mapping	277	species cover and height all strata	Yes	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	VB,OVP	good	with some work	DECODAR/AVS	NT vegmap compatible. Polygon mapping exists.	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	1986	1989	1990	Vegetation survey of the Northern Territory	Vegetation Mapping	2244	species cover and height all strata	unk	200	digital	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	Northern Territory wide	good	with some work	DECODAR/AVS	NTVegmap compatible:	yv	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	0	0	1991	Lancewood Forest Survey of the Northern Territory	Vegetation Mapping	264	species cover and height all strata	Yes	200	paper	stephen.hester@nt.gov.au phone 061 08 8999 4446	peter.brocklehurst@nt.gov.au phone: 061 08 8999 3623	GU/C,GFU, STU,VB,O VP,DAB	good	with some work	DECODAR/AVS	Survey covers geographic extent of the lancewood forests. Forest stand structure attributes as well. Polygon mapping exists. ANZNT0001000084	yv	NVIS5
NT	Defence Department	Tony Orr	1991	1991	1991	McDonald Airfield - 4/91	Vegetation Mapping	10	species cover and height all strata	Yes	100	paper	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Pine Creek Area	good	difficult	nil		n	NVIS5
NT	Defence Department	Tony Orr	2002	2002	2003	CP-02	Vegetation Mapping	30	species cover and height all strata	Yes	30	paper	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Cox Peninsula area	good	difficult	nil	Preliminary Land Cover Classification and Terrain Intelligence Products compiled at 1:50,000 scale.	n	NVIS5
NT	Tropintel Environmental Consultants	Tony Orr	1991	1991	1992	Kapalga	Vegetation Mapping	75	species cover and height all strata	Yes	100	paper	Tony Orr	Tony Orr, Tropintel Environmental Consultants.	CSIRO Kapalga Lease, Kakadu	good	difficult	nil	Produced as part of contract to CSIRO	n	NVIS5
WA	Defence Department	Tony Orr	1996	1996	1996	BC-96	Vegetation Mapping	82	species cover and height all strata	Yes	30	paper	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	WA Coast: Learmonth to Lancelin	reasonable	difficult	nil		n	NVIS5
WA	Defence Department	Tony Orr	1995	1995	1995	YSTA	Vegetation Mapping	105	species cover and height all strata	Yes	30	paper	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Kimbolton and Oombagogoo mba Stations	good	difficult	nil	Data and digital mapping at 1:100,000 was provided to contractor Dames & Moore and subsequently lost by their head-office.	n	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Greening Australia NT	1993	1999	1993	Darwin Region Remnant Vegetation Survey	Vegetation Mapping	300	species cover and height dominant stratum	Yes	200	paper		Michael Clark phone 08 8981 1344	Northern Territory	good	difficult	nil	NT vegmap compatible. Number of sites not known but is in the 100's. Polygon mapping exists.	n	NVIS5
NT	Defence Department	Tony Orr	1994	1994	1995	MBTA-4/94	Vegetation Mapping	8	species cover and height all strata	Yes	100	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Mount Bundy Training Area	good	with some work	USER DATABASE :unknown	1:50,000 scale Land Cover Classification produced by CSIRO	n	NVIS5
NT	Defence Department	Tony Orr	1991	1991	1991	MBTA-4/91	Vegetation Mapping	8	species cover and height all strata	Yes	100	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Mount Bundy Training Area	good	with some work	USER DATABASE :unknown	1:50,000 scale Land Cover Classification produced by CSIRO	n	NVIS5
QLD	Defence Department	Tony Orr	1999	1999	2000	BC-99-CBTA	Vegetation Mapping	10	species cover and height all strata	Yes	30	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Cowley Beach area	good	with some work	USER DATABASE :unknown	Land Cover Classification and Terrain Intelligence Products compiled at 1:50,000 scale.	n	NVIS5
NT	Defence Department	Tony Orr	1993	1993	1994	MBTA-11/93	Vegetation Mapping	13	species cover and height all strata	Yes	100	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Mount Bundy Training Area	good	with some work	USER DATABASE :unknown	1:50,000 scale Land Cover Classification produced by CSIRO	n	NVIS5
NT	Defence Department	Tony Orr	2001	2001	2001	P2001	Vegetation Mapping	13	species cover and height all strata	Yes	30	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Manbulloo Station, SW of Katherine township	good	with some work	USER DATABASE :unknown	Land Cover Classifications and Terrain Intelligence Products compiled at 1:50,000 scale.	n	NVIS5
NT	Defence Department	Tony Orr	1995	1995	1995	MBTA-7/95	Vegetation Mapping	30	species cover and height all strata	Yes	100	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Mount Bundy Training Area	good	with some work	USER DATABASE :unknown	1:50,000 scale Land Cover Classification produced by CSIRO	n	NVIS5
NT	Defence Department	Tony Orr	1988	1988	1989	Port Keats	Vegetation Mapping	30	species cover and height all strata	Yes	100	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Port Keats area	good	with some work	USER DATABASE :unknown	These plot data may have been incorporated into the NT Vegmap database.	n	NVIS5
WA	Defence Department	Tony Orr	1991	1991	1991	Erskine	Vegetation Mapping	30	species cover and height all strata	Yes	100	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Kununurra to Wyndham, Erskine	good	with some work	USER DATABASE :unknown	Land Cover Classifications and Terrain Intelligence Products compiled at 1:100,000 for Erskine topographic mapsheet.	n	NVIS5
QLD	Defence Department	Tony Orr	1999	1999	2000	BC-99-SWBTA	Vegetation Mapping	34	species cover and height all strata	Yes	30	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Shoalwater Bay Training Area	good	with some work	USER DATABASE :unknown	Land Cover Classification and Terrain Intelligence Products compiled at 1:50,000 scale by CSIRO.	n	NVIS5
NT	Defence Department	Tony Orr	1999	2001	2001	GP-99	Vegetation Mapping	38	species cover and height all strata	Yes	30	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Gunn Point area	good	with some work	USER DATABASE :unknown	Land Cover Classification and Terrain Intelligence Products compiled at 1:50,000 scale.	n	NVIS5
NT	EWL Sciences	Tony Orr	1999	1999	1999	Bradshaw-EMP Supplement	Vegetation Mapping	45	species cover and height all strata	Yes	30	mixed(paper/digital)	EWL Sciences	Tony Orr, Tropintel Environmental Consultants.	Bradshaw Station	good	with some work	USER DATABASE :unknown	Produced as part of sub-contract to ERA Environmental Services, now EWL Sciences, in turn contracted to Connell Wagner for the EMP.	n	NVIS5
WA	Defence Department	Tony Orr	1994	1994	1995	BC-94	Vegetation Mapping	54	species cover and height all strata	Yes	30	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Kimberley Coast: Wyndham to Broome	good	with some work	USER DATABASE :unknown	Land Cover Classifications and Terrain Intelligence Products compiled at 1:100,000 scale for selected areas.	n	NVIS5
WA	Defence Department	Tony Orr	1995	1995	1995	BC-95	Vegetation Mapping	55	species cover and height all strata	Yes	30	mixed(paper/digital)	MGI HQNORCOM	tony.orr@defence.gov.au 08 89358508	Pilbara Coast: Broome to Onslow	good	with some work	USER DATABASE :unknown	Land Cover Classifications and Terrain Intelligence Products compiled at 1:50,000 scale for selected areas.	n	NVIS5

QLD	Defence Department	Tony Orr	2000	2000	2002	P2000	Vegetation Mapping	75	species cover and height all strata	Yes	30	mixed(pape r/digital)	MGI HQNORCOM	tony.orr@defence.gov.au	08 89358508	Weipa Area, western Cape York Dampier Peninsula	good	with some work	USER DATABASE :unknown	Land Cover Classification and Terrain Intelligence Products compiled at 1:50,000.	n	NVIS5
NT	Defence Department	Tony Orr	2002	2002	2003	P2002	Vegetation Mapping	134	species cover and height all strata	Yes	30	mixed(pape r/digital)	MGI HQNORCOM	tony.orr@defence.gov.au	08 89358508		good	with some work	USER DATABASE :unknown	Land Cover Classifications and Terrain Intelligence Products compiled at 1:50,000 scale for selected areas.	n	NVIS5
NT	EWL Sciences	Tony Orr	1997	1997	1997	Bradshaw-EMP	Vegetation Mapping	151	species cover and height all strata	Yes	30	mixed(pape r/digital)	EWL Sciences	Tony Orr, Tropintel Environmental Consultants.		Bradshaw Station	good	with some work	USER DATABASE :unknown	Produced as part of sub-contract to ERA Environmental Services, now EWL Sciences, in turn contracted to Connell Wagner for the conceptual EIS.	n	NVIS5
NT	Tropintel Environmental Consultants	Tony Orr	1990	1990	1990	Kakadu Conservation Zone - 8/90	Vegetation Mapping	35	species cover and height all strata	Yes	100	other	Tony Orr	Tony Orr, Tropintel Environmental Consultants		Kakadu Conservati on Zone	good	difficult	USER DATABASE :unknown	Land Cover Classification produced for Dept Home Affairs & Environment as part of contract by CSIRO	n	NVIS5
NT	Defence Department	Tony Orr	1995	1995	1996	Bradshaw	Vegetation Mapping	25	species cover and height all strata	Yes	30	paper	Tony Orr	Tony Orr, Tropintel Environmental Consultants.		Bradshaw Station	good	with some work	USER DATABASE :unknown	Produced as part of initial assessment of the suitability of Bradshaw Station as a military training area.	n	NVIS5
NT	Tropintel Environmental Consultants	Tony Orr	1992	1992	1992	MIM McArthur River Mine	Vegetation Mapping	31	species cover and height all strata	Yes	100	paper	Tony Orr	Tony Orr, Tropintel Environmental Consultants.		McArthur River Mine lease.	good	with some work	USER DATABASE :unknown	Produced as part of contract to MIM Ltd to fulfill requirements of EMP for NT Govt..	n	NVIS5
NT	Defence Department	Tony Orr	1997	1997	1997	BC-97	Vegetation Mapping	55	species cover and height all strata	Yes	30	paper	MGI HQNORCOM	tony.orr@defence.gov.au	08 89358508	Coastal areas Darwin to Wyndham	good	with some work	USER DATABASE :unknown	Terrain Intelligence Products compiled at 1:50,000 for selected areas.	n	NVIS5
QLD	Defence Department	Tony Orr	1998	1998	1998	BC-98	Vegetation Mapping	56	species cover and height all strata	Yes	30	paper	MGI HQNORCOM	tony.orr@defence.gov.au	08 89358508	Coastal areas western Cape York, Seisia to Karumba	good	with some work	USER DATABASE :unknown	Land Cover Classifications and Terrain Intelligence Products compiled at 1:50,000 for selected areas.	n	NVIS5
NT	Biological Diversity: Darwin (DIPE)	ian.cowie@nt.gov.au	2000	2002	2002	Nitmiluk Flora Survey	Vegetation Mapping	0	species cover and height all strata	Yes	30	digital	peter.krause@nt.gov.au	ian.cowie@nt.gov.au		Northern Territory	good	with some work	USER DATABASE :Access	NT Vegmap compatible: Michell proforma. Survey continuing.	n	NVIS5
NT	Land and Vegetation Unit: Darwin (DIPE)	Dave Howe phone:08 8999 4579	2001	2002	1992	Northern Forest Mapping NORFOR	Vegetation Mapping	105	species cover and height all strata	Yes	30	digital		graeme.owen@nt.gov.au		Top End north of 18 degrees	good	with some work	USER DATABASE :Access	NT Vegmap compatible: PFC values also recorded in transects 2 transects per site, as well as basal area. Imagery used 1992 vintage	yv	NVIS5
NT	NT Herbarium (DIPE)	Greg Leach@nt.gov.au ph 08 8999 4520	2000	2002	2002	Nitmiluk Vegetation Mapping Project	Vegetation Mapping	1600	species cover and height all strata	Yes	20	digital	Peter Krause@nt.gov.au ph08 8999 4407	ian.cowie@nt.gov.au		Northern Territory; Nitmiluk National Park	good	with some work	USER DATABASE :Access	NT Vegmap compatible: Microsoft Access Database	yv	NVIS5
NT	Defence Department	Tony Orr	1994	1994	1995	MBTA-9/94	Vegetation Mapping	76	species cover and height all strata	Yes	30	paper	MGI HQNORCOM	tony.orr@defence.gov.au	08 89358508	Mount Bundy Training Area	good	with some work	USER DATABASE :unknown	1:50,000 scale Land Cover Classification produced by CSIRO	n	NVIS5

