

SUMMARY

Doole Group

LINE	ISLAND	FIELD No	DATES	NOTES
D1	Doole	(D1)	07-11 Nov 89	Above beach, east side.
D2	Doole	(D2)	07-11 Nov 89	Saline depression.
D3	Doole	(D3)	07-11 Nov 89	Central ridge; <u>Triodia</u> .
D7	Doole	(D4)	09-11 Nov 89	Beach below breakaway.
D4	Roberts	(R1)	08-11 Nov 89	Beach ridge.
D5	Roberts	(R2)	08-11 Nov 89	Inland; <u>Triodia</u>
D6	Roberts	(R3)	08-09 Nov 89	Back beach to foredune.
D8	Sandalwood	(S1)	11-13 Nov 89	Shell beach ridge; <u>Spinifex</u>
D9	Sandalwood	(S2)	11-13 Nov 89	Fine reddish shelly sand
D10	Sandalwood	(S3)	12-13 Nov 89	Avicennia (Elliotts only)
D11	Sandalwood	(S4)	12-13 Nov 89	Rhizophora (Elliotts only)

Simpson Group

LINE	ISLAND	FIELD No	DATES	NOTES
S7	Burnside	(B1)	23-25 Apr 90	Just behind mangal, <u>Spinifex</u>
S8	Burnside	(B2)	23-25 Apr 90	High point of island, <u>Triodia</u>
S11	"Dugong"	(D1)	25-26 Apr 90	Behind mangal, <u>Spinifex</u>
S12	"Dugong"	(D2)	25-26 Apr 90	Centre of island, <u>Triodia</u>
S9	Hope	(H1)	24-26 Apr 90	Red dune crest; <u>Triodia</u>
S10	Hope	(H2)	24-26 Apr 90	Saline depression; chenopods
S1	Simpson	(S1)	20-23 Apr 90	Backslope of foredune, <u>Triodia</u>
S2	Simpson	(S2)	20-23 Apr 90	Saline depression; Samphire
S3	Simpson	(S3)	20-23 Apr 90	Margin sand/limestone; <u>Triodia</u>
S6	Simpson	(S4)	23-27 Apr 90	Foredune, <u>Spinifex</u>
S4	Tent	(T1)	21-23 Apr 90	Shelly sand dune; <u>Triodia</u>
S5	Tent	(T2)	21-23 Apr 90	Edge of saline flat; Samphire

Rivoli Group; Eva Island

7 X 20l buckets numbered E1 to E7 set singly between fore-dune on south shore and middle of island. 26 to 28 May 93.

LINE	ISLAND	FIELD No	DATES	NOTES
R1	Eva Island	E1	26 to 28 May 93	Foredune, <i>Spinifex</i> and <i>Ipomoea</i>
R1	Eva Island	E2	26 to 28 May 93	Back (inland) slope of perimeter dune, co-dominants <i>Eulalia/Spinifex</i>

R1	Eva Island	E3	26 to 28 May 93	Margin of inland sand-plain, dominant <i>Eulalia</i> & some <i>Spinifex</i> (<i>Threlkeldia</i> dead)
R1	Eva Island	E4	26 to 28 May 93	Margin of inland sand-plain, dominant <i>Eulalia</i> some <i>Spinifex</i> and <i>Commicarpus</i> (<i>Threlkeldia</i> dead)
R1	Eva Island	E5	26 to 28 May 93	Near central depression, dominant <i>Eulalia</i> with some <i>Commicarpus</i> (<i>Threlkeldia</i> dead)
R1	Eva Island	E6	26 to 28 May 93	Low in central depression, dominant <i>Eulalia</i> with some <i>Sarcostemma</i> and <i>Commicarpus</i> (<i>Threlkeldia</i> dead)
R1	Eva Island	E7	26 to 28 May 93	High ground adjacent to central depression; Co-dominants <i>Eulalia</i> and <i>Commicarpus</i> (<i>Threlkeldia</i> dead)

PIT NUMBER E1
 ISLAND Eva
 DATE 26-28 May 1993
 TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
 SITE Terrace near base of foredune on south side of the isl and
 SOIL Surface; moderately coarse, pale brown sand of shell fragments.
 Profilel;. No change to base of pits.
 MUIR Hi
 Dominant spp *Spinifex longifolius*
 Major spp. *Ipomoea brasiliensis*
 Calocephalus brownii
 Minor spp. *Euphorbia boop*
 Euphorbia (ANS 897)
 Salsola kali

PIT No. E2
 ISLAND Eva
 DATE 26-28 May 1993
 TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
 SITE Back (inland) slope of foredune, on south side of the island
 SOIL Surface; fine, pale brown sand of shell fragments.
 Profilel;. No change to base of pits.

MUIR H/GLc
 Co-dominants *Spinifex longifolius*
 Eulalia fulva
 Major spp. *Ipomoea brasiliensis*
 Minor spp. *Euphorbia boop*
 Boerhavia (=ANS 885 & 895)
 Salsola kali
 Threlkeldia diffusa

PIT No. E3
 ISLAND Eva
 DATE 26-28 May 1993
 TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
 SITE Margin of inland sand-plain
 SOIL Surface; fine, pale brown sand of shell fragments.
 Profilel;. No change to base of pits.

MUIR GLc
 Dominant spp *Eulalia fulva*
 Major spp. *Spinifex longifolius*
 Threlkeldia diffusa (mostly dead)
 Minor spp. *Euphorbia boop*
 Boerhavia (=ANS 885 & 895)
 Salsola kali

PIT No. E4
 ISLAND Eva
 DATE 26-28 May 1993
 TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
 SITE Near margin of inland sand-plain
 SOIL Surface; fine, pale brown sand of shell fragments.
 Profilel;. No change to base of pits.

MUIR GLc (30/50%)
 Dominant spp *Eulalia fulva*
 Major spp. *Spinifex longifolius*
 Threlkeldia diffusa (mostly dead)
 Commicarpus
 Minor spp. *Euphorbia boop*
 Boerhavia (=ANS 885 & 895)

PIT No. E5
 ISLAND Eva

DATE 26-28 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE In shallow depression (but not lowest point) in centre of island
SOIL Surface; fine, pale brown sand of shell fragments.
Profilel; No change to base of pits.
MUIR GLc (30/50%)
Dominant spp *Eulalia fulva*
Major spp. *Commicarpus*
Threlkeldia diffusa (mostly dead)

Minor spp. *Euphorbia boop*
Boerhavia (=ANS 894 & 903)
Pterocaulon

PIT No. E6
ISLAND Eva
DATE 26-28 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE Base of depression in centre of island
SOIL Surface; fine, pale brown sand of shell fragments.
Profilel; No change to base of pits.
MUIR GLc (about 30%)
Dominant spp *Eulalia fulva*
Major spp. *Commicarpus*
Flavaria australasica
Pterocaulon
Sarcostemma australe
Threlkeldia diffusa (mostly dead)

PIT No. E7
ISLAND Eva
DATE 26-28 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE High point in centre of the island
SOIL Surface; fine, pale brown sand of shell fragments.
Profilel; No change to base of pits.
MUIR SDc (30/50%) & GLi (
Co-dominants *Commicarpus*
Threlkeldia diffusa (mostly dead)
Eulalia fulva

Minor spp. *Euphorbis boop*

Boerhavia (=ANS 885 & 895) (probably a major spp after rain - many seedlings)
Dodder (fine)

Rivoli Group; Sumerville Island

6 X 20l buckets numbered S1 to S6 set singly between fore-dune on south shore and middle of island. 26 to 27 May 93.

- S1 Lowest of three terraces on foredune on south side of the island. Dwarf Scrub D (dominant *Acacia bivenosa*).
- S2 Crest of foredune on south side of island. Dwarf Scrub D (dominants *Acacia bivenosa* and *Rhagodia preissii*. **Cenchrus ciliaris* was common)
- S3 Just behind crest of foredune on south side of island. Dwarf Scrub D (dominant *Acacia bivenosa*) with Low Grass (dominant **Cenchrus ciliaris*) and Very Open Herbs in gaps.
- S4 Inland slope on south side of island. Open Dwarf Scrub C (Dominants *Commicarpus* growing through *Acacia bivenosa*) with Open Herbs in gaps. (Note **Cenchrus ciliaris* was common in patches)
- S5 Inland slope on south side of island. Open Low Scrub A (Dominant *Acacia bivenosa*, sometimes with *Commicarpus* growing through) over Dwarf Scrub D (Dominant *Commicarpus*) with patches of Open Low Grass (Dominants **Cenchrus ciliaris* and *Eulalia fulva*)
- S6 Low in central depression, near the centre of the island. Open Low Scrub A (Dominant *Acacia bivenosa*) over Herbs (30/50%: Dominant *Salsola kali*)

PIT No. S1
ISLAND Sumerville
DATE 26-27 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE Lowest of three terraces on foredune on south side of the island.
SOIL Surface; brown sand of shell fragments with a negligent fine fraction.
MUIR Profile; No change to base of pits.
SDc .
Dominant *Acacia bivenosa*

Major Spp. *Threlkeldia diffusa*

Minor spp. *Euphorbia boop*
Ptilotus (ANS 889)
Salsola kali
Scaevola crassifolia
Spinifex longifolius

PIT No. S2
ISLAND Sumerville
DATE 26-27 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE Crest of foredune on south side of island.
SOIL Surface; brown shelly sand.
Profilel;. No change to base of pit.
MUIR SDi .
Co-Dominants *Acacia bivenosa* and *Rhagodia preissii*

Major Spp. *Commicarpus*

Heliotropium (ANS 899)
Portulaca (ANS 884)
Salsola kali

Minor spp. **Cenchrus ciliaris*

Euphorbia boop
Euphorbia (ANS 898- villous)
Threlkeldia diffusa
Zygophyllum fruiticulosum

PIT No. S3
ISLAND Sumerville
DATE 26-27 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE Just behind crest of foredune on south side of island.
SOIL Surface; brown shelly sand.
Profilel;. No change to base of pit.
MUIR SDi with GLc and Jr in gaps.
Dominants *Acacia bivenosa* and **Cenchrus ciliaris*

Major Spp. *Boerhavia* (ANS 895 and 904)

Commicarpus
Eulalia fulva
Euphorbia boop
Euphorbia (ANS 898- villous)
Heliotropium (ANS 899)
Portulaca (ANS 884)
Rhagodia preissii
Salsola kali
Threlkeldia diffusa
Tribulus occidentalis
Zygophyllum fruiticulosum

Dodder (ANS 888 - fine)

PIT No. S4
ISLAND Sumerville
DATE 26-27 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE Inland slope on south side of island.

SOIL Surface; brown shelly sand.
Profile; No change to base of pit.
MUIR SCi with Ji and GLi in gaps.

Dominants *Acacia bivenosa*
**Cenchrus ciliaris*
Commicarpus
Euphorbia boop
Salsola kali

Minor Spp. *Boerhavia* (ANS 895 and 904)
Eulalia fulva
Euphorbia (ANS 880 opposite, erect)
Heliotropium (ANS 899)
Portulaca (ANS 884)
Rhagodia preissii
Dodder (ANS 888 - fine)

PIT No. S5
ISLAND Sumerville
DATE 26-27 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE Inland slope on south side of island.
SOIL Surface; brown shelly sand.
Profile; No change to base of pit.
MUIR SCi with SDi and GLi in gaps.

Summary Open Low Scrub A (Dominant *Acacia bivenosa*, sometimes with *Commicarpus* growing through) with Dwarf Scrub D (Dominant *Commicarpus*) and patches of Open Low Grass (Dominants **Cenchrus ciliaris* and *Eulalia fulva*) in gaps.

Dominants *Acacia bivenosa*
**Cenchrus ciliaris*
Commicarpus
Eulalia fulva

Minor Spp. *Boerhavia* (ANS 895 and 904)
Euphorbia boop
Euphorbia (ANS 898- villous)
Heliotropium (ANS 899)
Portulaca (ANS 884)
Rhagodia preissii
Salsola kali
Tribulous occidentalis
Dodder (ANS 888 - fine)

PIT No. S6
ISLAND Sumerville
DATE 26-27 May 1993
TRAPS Single Pit (20l bucket) with 4/5m wing-fences.
SITE Low in central depression, near the centre of the island.
SOIL Surface; brown shelly sand.
Profile;. No change to base of pit.

MUIR SCi with SDi in gaps.

Summary Open Low Scrub A (Dominant *Acacia bivenosa*) with Herbs
(30/50%: Dominant *Salsola kali*) in gaps

Dominants *Acacia bivenosa*
Salsola kali

Major Spp. *Boerhavia* (ANS 895 and 904)
Commicarpus
Euphorbia boop
Rhagodia preissii
Dodder (ANS 888 - fine)

Minor Spp *Euphorbia* (ANS 898- villous)
Lepidium (fine)
Portulaca (ANS 884)
Rhyncosia minima
Zygophyllum fruticosum

Rivoli Group; Y Island

7 X 20l buckets numbered Y1 to Y6 set singly (except Y6 two pits set as --O--O--) between fore-dune on south shore and middle of island. 26 to 28 May 1993.

- Y1 Crest of foredune on north side of the island. Low Grass (Dominant *Spinifex longifolius*)
- Y2 Back-slope of foredune on north side of the island. Low Grass (Co-dominants *Spinifex longifolius* and *Eulalia fulva*)
- Y3 Swale between foredune and older inland dune on north side of the island. Low Grass (Co-dominants *Spinifex longifolius* and *Eulalia fulva*) with Very Open Herbs in gaps.
- Y4 Swale between foredune and older, inland dune on north side of the island. Low Grass and Low Heath D (combined to give 30/70% cover; Co-dominants *Eulalia fulva* and *Rhagodia preissii*)
- Y5 South (inland) slope of older, inland dune; close to navigation light. Low Heath D (dominant *Threlkeldia diffusa* but with grass *Eulalia fulva*, creeper *Canavalia rosea*, shrub *Commicarpus* and ephemeral herb *Salsola kali* all common).
- Y6 Low in shallow central depression, near the centre of the island. Low Grass (nearly mono-specific grassland of **Cenchrus ciliaris*)

PIT No. Y1
ISLAND Y
DATE 26-28 May 1993
TRAP Single Pit (20l bucket) with 4/5m wing-fences.
SITE Back-slope of foredune on north side of the island.

SOIL Surface; pale brown sand of shell fragments with a negligent fine fraction.
Profile; No change to base of pit.

MUIR GLc with SDi/GLi in gaps

Summary Low Grass (dominant *Spinifex longifolius*) with Dwarf Scrub D and Open Low Grass in gaps (*Threlkeldia diffusa* and *Eulalia fulva*).

Dominant *Spinifex longifolius*

Major species *Threlkeldia diffusa*
Eulalia fulva

Minor Species *Euphorbia boop*

PIT No. Y2
ISLAND Y

DATE	26-28 May 1993
TRAP	Single Pit (20l bucket) with 4/5m wing-fences.
SITE	Crest of foredune on north side of the island.
SOIL	Surface; pale brown sand of shell fragments with a negligent fine fraction. Profile;. No change to base of pit.
MUIR	GLc
Summary	Low Grass (Co-dominants <i>Spinifex longifolius</i> and <i>Eulalia fulva</i>) with Very Open Herbs in gaps.
Dominants	<i>Spinifex longifolius</i> <i>Eulalia fulva</i>
Major species	<i>Threlkeldia diffusa</i>
Minor Species	<i>Euphorbia boop</i> <i>Euphorbia</i> (erect/opposite leaf = ANS 880) <i>Salsola kali</i> <i>Scaevola crassifolia</i> *
PIT No.	Y3
ISLAND	Y
DATE	26-28 May 1993
TRAP	Single Pit (20l bucket) with 4/5m wing-fences.
SITE	Swale between foredune and older inland dune on north side of the island.
SOIL	Surface; pale brown sand of shell fragments with a negligent fine fraction. Profile;. No change to base of pit.
MUIR	GLc
Summary	Low Grass (Co-dominants <i>Spinifex longifolius</i> and <i>Eulalia fulva</i>) with Very Open Herbs in gaps.
Dominants	<i>Spinifex longifolius</i> <i>Eulalia fulva</i>

Major species nil

Minor species *Euphorbia boop*

Salsola kali

Threlkeldia diffusa

Commicarpus

Rhagodia preissii

Cyperus bulbosus (dormant corms abundant in spoil from pit excavation)

PIT No. Y4

ISLAND Y

DATE 26-28 May 1993

TRAP Single Pit (20l bucket) with 4/5m wing-fences.

SITE Swale between foredune and older inland dune on north side of the island.

SOIL Surface; pale brown sand of shell fragments with a negligible fine fraction.

Profile;. No change to base of pit.

MUIR SDc/GLc

Summary Sparse low shrubs of *Rhagodia preissii* over Sparse Low Grass of *Eulalia fulva* with Very Open Herbs in gaps.

Dominants *Rhagodia preissii*
Eulalia fulva

Major species *Threlkeldia diffusa*

Minor species *Euphorbia boop*

Euphorbia ANS 880

Salsola kali

Cyperus bulbosus (dormant corms abundant in spoil from pit excavation)

PIT No. Y5

ISLAND Y

DATE 26-28 May 1993

TRAP Single Pit (20l bucket) with 4/5m wing-fences.

SITE S slope of older inland dune below lighthouse; north side of the island.

SOIL Surface; pale brown sand of shell fragments
Profile;. No change to base of pit.

MUIR SDc

Summary Low Heath d <0.4m/ 30-70%) of *Threlkeldia diffusa* with *Eulalia fulva*, *Commicarpus australis* and *Canavalia rosea* visually abundant.

Dominants *Threlkeldia diffusa*

Major species *Eulalia fulva*
Commicarpus australis
Canavalia rosea
Salsola kali

Minor species *Euphorbia boop*
Tribulus occidentalis (multi-spined fruit)
Boerhavia ANS 885
Rhagodia preissii

PIT No. Y6
ISLAND Y
DATE 26-28 May 1993
TRAP Two Pits (20l buckets) with 4/5m wing-fences.

SITE gentle south slope near centre of the island, margin of the central plain.

SOIL Surface; pale brown sand of shell fragments.
Profile;. No change to base of pits.

MUIR GLc

Summary Mid-dense Low Grass; a nearly mono-specific area of *Cenchrus ciliaris*, buffel grass.

Dominants *Cenchrus ciliaris*

Major species nil

Minor species *Commicarpus australis*
Rhagodia preissii (ANS 882)
Canavalia rosea

DOOLE GROUP

TRAP LINE	D1
ISLAND	Doole
DATE	7-11 Nov 1989
TRAPS	Pit line: 2 buckets + 4 pvc pipes.
SITE	Beach ridge behind fringing mangal on east side of the island
SOIL	Surface; Shelly beach sand with some larger shell and coral fragments. Profile; No change to base of pits.
MUIR	
Major spp.	
Minor spp.	
TRAP LINE	D2
ISLAND	Doole
DATE	7-11 Nov 1989
TRAPS	Pit line: 2 buckets + 4 pvc pipes.
SITE	Saline depression in centre of island
SOIL	Surface; Fine powdery loam. Profile; Changes from 8cm to red-brown, hard-setting loamy clay becoming sandier below about 35cm to limit of pit.
MUIR	
Major spp.	
Minor spp.	
TRAP LINE	D3
ISLAND	Doole
DATE	7-11 Nov 1989
TRAPS	Pit line: 2 buckets + 4 pvc pipes.
SITE	Ridge-top between saline depression and western shore line.
SOIL	Surface; Pale red sand with shell fragments and high silt content. Profile; Changes at about 45cm to coarse beach sand with numerous larger shell and coral pieces.

MUIR
Major spp.
Minor spp.

TRAP LINE D4

ISLAND Roberts
DATE 8-11 Nov 1989
TRAPS Pit line: 2 buckets + 4 pvc pipes.
SITE Beach ridge at south east end of the island.
SOIL Surface; White to very pale brown beach sand of shell and coral fragments
Profile; Becoming coarser with depth to limit of pit at 60cm
MMUIR SBi\Hi at inland end grading to SBi.

Major spp. SB *Acacia bivenosa*
Scaevola spinescens
H *Triodia pungens*
Minor spp. *Lepidium "broad"*
Podolepis auriculatus
Euphorbia boop
Senecio lautus
Enneapogon caerulescens

TRAP LINE D5

ISLAND Roberts
DATE 8-11 Nov 1989
TRAPS Pit line: 2 buckets + 4 pvc pipes.
SITE Backslope of beach ridge at south east end of the island.
SOIL Surface; Pale brown sand of fine shell and coral fragments.
Profile; No change to limit of pit at 65cm.

MUIR SBi\Hc\
Major spp. SB *Acacia bivenosa*
H *Triodia pungens*
Minor spp. *Lepidium "broad"*
Podolepis auriculatus
Euphorbia boop
Senecio lautus
Enneapogon caerulescens

TRAP LINE D6

ISLAND Roberts
DATE 8-9 Nov 1989
TRAPS 20 Elliott traps at about 5m intervals.
SITE Foredune running inland from first perennial shrubs to beach ridge
SOIL Surface; White beach sand of shell and coral fragments.
Profile; Not examined.

MUIR
Major spp.
Minor spp.

TRAP LINE D7

ISLAND Doole
DATE 9-11 Nov 1989
TRAPS Pit line: 2 buckets + 4 pvc pipes.
SITE Narrow, low beach ridge between fringing mangal and limestone
hill on the east side of the island.
SOIL Surface; Very pale beach sand of shell and coral particles with
frequent large (> 1cm fragments).
Profile; No change to limit of pits at 65cm.
ecotone between SBr/Hi (a) and SBr/Hi (b)
MUIR
Major spp.(a) SB *Acacia bivenosa*
Labeshia cassioides
H *Triodia pungens*

Minor spp.(a) *Rhagodia* spp.
"jasmin?"

Major spp. (b) SB *Acacia bivenosa*
H *Spinifex longifolius*
Minor spp (b) *Sporobolus virginicus*
Threlkeldia diffusa
"Purple Hibiscus"
Senecio lautus
Euphorbia boop

TRAP LINE D8

ISLAND Sandalwood
DATE 11-13 Nov 1989
TRAPS Pit line: 6 buckets
SITE Ridge adjacent to tidal channel at north east end of the island.
SOIL Surface; Shell rubble with moderate sand and clay contet.
Profile; No change to bottom of pits at 65cm.
MUIR SCi/Hr/Jr
Major spp. SC = Acacia bivenosa
Rhagodia 549

Minor spp. Adriana tomentosa
Acacia pyrifolia (seedling)
A. 556 ?sclerosperma
Triodia pungens (senescent rings)
Trichodesma zeelandica (seedlings to 10cm)
Euphorbia boop
*Cenchrus ciliaris (dead)
Podolepis auriculatus

TRAP LINE D9

ISLAND Sandalwood
DATE 11-13 Nov 1989
TRAPS Pit line: 5 buckets
SITE Edge of sandplain at north east end of island
SOIL Surface; Fine reddish-brown sand with many shells and shell
fragments.
Profile; No change to bottom of pits at 65cm.
MUIR SCr/
Major spp.
Minor spp.

TRAP LINE D10

ISLAND Sandalwood
DATE 12-13 Nov 1989
TRAPS Elliott Traps: 5 traps tied to branches of Rhizophora trees above
HWM.
SITE Mangal on seaward margin of a tidal creek defining the west side
of the island.
SOIL Not applicable
MUIR

Major spp.
Minor spp.

TRAP LINE D11

ISLAND Sandalwood
DATE 12-13 November 1989
TRAPS Elliott Traps: 18 traps tied to branches of Avicennia trees above
HWM.
SITE Intertidal headland adjacent to western end of the island.
SOIL Not applicable.
MUIR
Major spp.
Minor spp.

SIMPSON ISLAND GROUP.

TRAP LINE S1

ISLAND Simpson
DATE 20-23 April 1990
SITE Behind crest of exposed foredune at north end of the Island
SOIL Surface; Pale brown shelly sand.
 Profile; No change to bottom of pits at 65cm.
MUIR Hc/SDr/Jr.
Major Spp. H = *Triodia pungens*
 SD = *Rhagodia* 611
 J = *Pterocaulon* 634
 Euphorbia myrtoides 613
 E. boophthiana.
 Nicotiana occidentalis
Other Spp. *Atriplex* 612
 Euphorbia 614
 Senecio lautus

TRAP LINE S2

Hemichroa diandra
 GL = Eragrostis falcata
 Other Spp. Limonium salicornaceum
Neobassia astrocarpa

Note. Margim of adjacent community, coastal dunefield, about 5m away.

* Cenchrus ciliaris
Sporobolus
Spinifex longifolius
Trchodesma
Tribulus
Rhagodia 611
Euphorbia 655
Threlkeldia diffusa
Salsola kali
Cyperus bulbosus

TRAP LINE	S5
ISLAND	Tent
DATE	21-23 April 1990
SITE	Primary coastal sand dune
SOIL	Surface; Pale brown sand with a high shell content. Profile; no change to base of pits at 65cm.
MUIR	Ji/SDr/Hr/GLr
major spp	J.= <u>Trichodesma zeeladica</u> (dominant) <u>Tribulus XXXXX</u> (common) <u>Salsola kali</u> (dominant) <u>Euphorbia 655</u> (common) SD= 611 <u>Crotalaria cunninghamii</u> (common) 650 (common) 653 (lily, common) <u>Threlkeldia diffusa</u> (rare) H= <u>Triodia pungens</u> (dominant) GL= <u>Eulalia fulva</u> (common) <u>Spinifex longifolius</u> (dominant)

TRAP LINE S6

ISLAND	Simpson
DATE	23-27 April 1990

SITE supra-tidal area of foredune at northern end of island.
 SOIL Surface; shelly sand.
 Profile; similar with larger shell and coral fragments.
 MUIR SBr/Jr
 major spp Atriplex paludosa
Rhagodia (ans 611, 612)
Euphorbia 613
Euphorbia 614
Senecio lautus
 other spp Acacia bivenosa
Myoporum acuminatum
Euphorbia boop
Indigofera 617
Salsola kali

Note. There were many dead remains of Spinifex longifolius clumps but only occasional live seedlings. Cause of death not known.

TRAP LINE S7
 ISLAND Burnside
 DATE 23-25 April 1990
 SITE 30 meters inland of mangal. NE end of island
 SOIL Surface; pale shelly sand.
 Profile; no change to bottom of pits at 65cm.
 MUIR SCr,Hr,GTr/SDr,GLr, Ji.
 major species
 SC= Myoporum xxx
Rhagodia 611
 H= Triodia pungens
 GT= Spinifex longifolius
 SD= no major spp
 GL= no major spp
 J = Salsola kali
Euphorbia boop.
 other species
Rhagodia non succulent
Acacia coriacea
Atriplex 625
Threlkeldia diffusa
Canavalia maritima
Indigofera No 3
Indigofera 690 (prostrate, long rachis"
Indigofera"linear leaf"

Large Dodder
Eremophila 686
Sida "felty" 672
 *Cenchrus ciliaris
Senecio lautus
Flaveria australasica
Cleome viscosa
 "Portulacca"
Tribulus occidentalis?
Ptilotus exaltatus
Swainsona pterostylis 619
Heliotropium xxx
Euphorbia 655
Euphorbia "myrt" 613

TRAP LINE	S8
ISLAND	Burnside
DATE	23-25 April 1990
SITE	high ground at north-centre of island
SOIL	Surface; pale shelly sand. Profile; no change to bottom of pits at 65cm.
MUIR	SDr,Hi,Gr/GLr,Jr.
major species	SD= 611, 681 H = <u>Triodia pungens</u> G = <u>Spinifex longifolius</u> GL= No major species J = <u>Indigofera</u> "linear leaf"678 <u>Pteraulon</u> slender
minor species	<u>Myoporum</u> <u>Acacia bivenosa</u> <u>Rhyncosia minima</u> <u>Atriplex paludosa</u> <u>Sida</u> "soft"672 <u>Sida</u> "bristly" 671 grass 673 <u>Nicotiana</u> spp ? <u>occidentalis</u> <u>Indigofera</u> 690/ <u>Flavaria australasica</u> <u>Euphorbia</u> 613 <u>Tribulus</u> ? <u>occidentalis</u> "Portulacca"

Euphorbia boop.
Lepidium 674 linear leaf
 Large Dodder 675
Cleome viscosa
Boerhavia spp
Salsola kali
Swainsona pterostylis
Ptilotus exaltatus
Senecio lautus
Threlkeldia diffusa
 chenopod, "bicorn"

TRAP LINE S9

ISLAND Hope
 DATE 24-26 April 1990
 SITE Dune; eastern flank and crest at its northern end.
 SOIL Surface; Deep red sand.

profile; no change to bottom of pits at 65cm.
 MUIR SBr/SDr/Hi/Ji.

major species SB = Crotalaria cunninghamii

SD = Sida spp.

H = Triodia pungens

J = Euphorbia spp.

minor species "large pinnate legume"

Acacia ligulata

Scaevola spinescens

Rhagodia "soft"

Nicotiana occidentalis ?

Tribulus occidentalis ?

Diplopeltis eriocarpa

Trichodesma zeelandica

two other spp. see note book

TRAP LINE S10

ISLAND Hope

DATE 24-26 April 1990

SITE Depression surrounded by beach foredune (to north) and red dunes
 on the other three sides.

SOIL Surface; Saline grey sandy clay, overlain by shallow red sand at east end.
Profile; ?

MUIR SDC/Jc

major species SD = Atriplex 711
J = Euphorbia boop
E. 114

minor species Swainsona pterostylis
Sporobolus virginicus
Cleome viscosa
Indigofera colutea
*Cenchrus ciliaris
Triodia pungens
Nicotiana occidentalis ?
Pterocaulon spp

TRAP LINE S11

ISLAND "Dugong"
DATE 25-26 April 1990
SITE Adjacent to mangrove fringe on shoreline.
SOIL Surface; Pale shelly sand.
Profile; no change to bottom of pits at 65cm.

MUIR SBr/GTi/Jr.

major species SB = Scaevola spinescens
Atriplex paludosa
611
GT = Spinifex longifolius
J = Senecio lautus

other species Acacia coriaceae
A. bivenosa
Euphorbia boop
E 614
Cleome viscosa
Sporobolus virginicus
*Cenchrus ciliaris
grass

TRAP LINE S12

ISLAND "Dugong"
DATE 25-26 April 1990

SITE High ground towards east end of island.
 SOIL Surface; Pale brown shelly sand.
 Profile; no change to bottom of pits at 65cm.
 MUIR SBr/Hc/Jr
 major species SD = Acacia bivenosa
 H = Triodia pungens
 J No particularly abundant species
 minor species 611
Scaevola spinescens
Acacia spp.
Euphorbia boop
 E. 613
 E. 614
Threlkeldia diffusa
Flavaria australasia
Heliotropium
Nicotiana occidentalis ?
Cleome viscosa
 grass