

# APPENDIX 1

## **Brief Site Descriptions**

### SITE 1 (MEL)

Date: 15 October 1992  
Air Photo Ref: Cape Melville 1972 Run #6 Photo #52  
Topo Ref: Jeannie River 1:100000 Sheet 7868 BD 789 725  
Lat/Long 14° 42' 40" S 144° 57' 00" E  
Altitude: 3 metres  
Location: 6km SSE of the Jeannie River mouth  
Tenure: Vacant Crown Land - Proposed National Park  
(ex Starcke Pastoral Holding)  
Geology: Dune sand

#### Structure:

LOW CLOSED SEASONAL SWAMP FOREST on low dune-swale complex with *Dillenia alata*, *Deplanchea tetraphylla* and *Pandanus tectorius* var. *pedunculatus*

### SITE 2 (MEL)

Date: 15 October 1992  
Air Photo Ref: Cape Melville 1972 Run #6 Photo #52  
Topo Ref: Jeannie River 1:100000 Sheet 7868 BD 789 725  
Lat/Long 14° 42' 40" S 144° 57' 00" E  
Altitude: 6 metres  
Location: 6km SSE of the Jeannie River mouth  
Tenure: Vacant Crown Land - Proposed National Park  
(ex Starcke Pastoral Holding)  
Geology: Dune sand

#### Structure:

LOW CLOSED TRANSITIONAL FOREST on deep organic sand in dune swale with *Xanthostemon crenulatus*

### SITE 3 (MEL)

Date: 15 October 1992  
Air Photo Ref: Cape Melville 1972 Run #6 Photo #52  
Topo Ref: Jeannie River 1:100000 Sheet 7868 BD 794 700  
Lat/Long 14° 44' 10" S 144° 57' 20" E  
Altitude: 8 metres  
Location: 8.5km SSE of the Jeannie River mouth  
Tenure: Vacant Crown Land - Proposed National Park  
(ex Starcke Pastoral Holding)  
Geology: Dune sand

#### Structure:

SEMI DECIDUOUS NOTOPHYLL VINE THICKET on lee slope of aeolian dune with *Niemeyera antilogum* and *Vitex acuminata*

**SITE 4 (MEL)**

Date: 15 October 1992  
 Air Photo Ref: Cape Melville 1972 Run #6 Photo #52  
 Topo Ref: Jeannie River 1:100000 Sheet 7868 BD 794 700  
 Lat/Long 14° 44' 10" S 144° 57' 20" E  
 Altitude: 8 metres  
 Location: 8.5km SSE of the Jeannie River mouth  
 Tenure: Vacant Crown Land - Proposed National Park  
 (ex Starcke Pastoral Holding)  
 Geology: Dune sand

**Structure:**

SEMI DECIDUOUS NOTOPHYLL/MICROPHYLL VINE THICKET on windward face of steep dune with *Vitex acuminata* and *Niemeyera antilogum*

**SITE 5 (MEL)**

Date: 16 October 1992  
 Air Photo Ref: Cape Melville 1970 Run #5 Photo #34  
 Topo Ref: Jeannie River 1:100000 Sheet 7868 BD 414 875  
 Lat/Long 14° 34' 20" S 144° 36' 00" E  
 Altitude: 340 metres  
 Location: 7km SE of Wakooka outstation  
 Southern end of Altanmoui Range  
 Tenure: NP 4, Cape Melville (Altanmoui Section)  
 (ex Starcke Pastoral Holding)  
 Geology: Sandstone over acid volcanics

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on very steep sandstone/metamorphic scarp with *Araucaria cunninghamii* emergents

**SITE 6 (MEL)**

Date: 16 October 1992  
 Air Photo Ref: Cape Melville 1970 Run #5 Photo #34  
 Topo Ref: Jeannie River 1:100000 Sheet 7868 BD 414 872  
 Lat/Long 14° 34' 30" S 144° 36' 00" E  
 Altitude: 260 metres  
 Location: 7km SE of Wakooka Outstation  
 Altanmoui Range  
 Tenure: NP 4, Cape Melville (Altanmoui Section)  
 Geology: Metamorphics

**Structure:**

SEMI DECIDUOUS MESOPHYLL VINE FOREST on metamorphic gully slopes with *Alstonia scholaris* and *Cryptocarya hypospodia*

### SITE 7 (MEL)

Date: 17 October 1992  
Air Photo Ref: Cape Melville 1970 Run #3 Photo #42/44  
Topo Ref: Bathurst Range 1:100000 Sheet 7769 BE 255 105  
Lat/Long 14° 21' 51" S 144° 27' 20" E  
Altitude: 15 metres  
Location: Muck River  
21.5km SSW of Cape Melville  
Tenure: Starcke Pastoral Holding  
Geology: Alluvial/colluvial

**Structure:**

SEASONAL SWAMP VINE FOREST on water logged sandy loam with *Syzygium angophoroides*, *Melicope elleryana*, *Archontophoenix alexandrae* and *Melaleuca leucadendra*, *M. dealbata* emergents

### SITE 8 (MEL)

Date: 18 October 1992  
Air Photo Ref: Cape Melville 1970 Run #3 Photo #44  
Topo Ref: Bathurst Range 1:100000 Sheet 7769 BE 290 143  
Lat/Long 14° 19' 50" S 144° 29' 10" E  
Altitude: 80 metres  
Location: 17.5km south of Cape Melville  
Tenure: NP 4, Cape Melville  
Geology: Altanmoui granite - Pgi

**Structure:**

DECIDUOUS MICROPHYLL VINE FOREST on acid plutonic hillslopes with *Millettia pinnata*, *Canarium australianum* and *Wodyetia bifurcata* feather palms

### SITE 9 (MEL)

Date: 20 October 1992  
Air Photo Ref: Cape Melville 1970 Run #5 Photo #34/36  
Topo Ref: Jeannie River 1:100000 Sheet 7868 BD 398 855  
Lat/Long 14° 35' 30" S 144° 35' 20" E  
Altitude: 100 metres  
Location: Tingle Scrub  
7.2km SSE of Wakooka Outstation  
Tenure: Vacant Crown Land - Proposed National Park  
(ex Starcke Pastoral Holding)  
Geology: Ferruginised sandstone

**Structure:**

SEMI-DECIDUOUS MICROPHYLL VINE THICKET on ferruginised sandstone hillslope with *Canarium australiana*, *Garuga floribunda* var. *floribunda* and *Gyrocarpus americanus* and *Brachychiton x carneus* emergents.

### SITE 10 (MEL)

Date: 20 October 1992  
 Air Photo Ref: Cape Melville 1970 Run #8 Photo #88  
 Topo Ref: Cape Flattery 1:100000 Sheet 7968 BD 968 499  
 Lat/Long 14° 50' 00" S 144° 00' 00" E  
 Altitude: 10 metres  
 Location: "Numbargulme" Creek  
 4.2km NNE of Mt Stuckey  
 Tenure: Vacant Crown Land - Proposed Resources Reserve  
 (ex Starcke Pastoral Holding)  
 Geology: Alluvium from sandstone

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on recent alluvial terrace with *Buchanania arborescens* and *Cryptocarya hypospadia*.

### SITE 11 (KAL)

Date: 19 November 1992  
 Air Photo Ref: Cape Melville 1969 Run #7 Photo #76  
 Topo Ref: Cape Flattery 1:100000 Sheet 7768 146 555  
 Lat/Long 12° 51' 40" S 144° 20' 40" E  
 Altitude: 80 metres  
 Location: Black Hill  
 14.5km ENE of Kalpowar Homestead  
 Tenure: Kalpowar Pastoral Holding  
 Geology: Iron Cemented Sandstone - Ferricrete

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE THICKET on iron cemented sandstone (ferricrete) footslope with *Aidia racemosa*, *Glycosmis trifoliata*, and emergents *Ailanthus triphysa*, *Ganophyllum falcatum* and *Acacia polystachya*

### SITE 12 (KAL)

Date: 20 November 1992  
 Air Photo Ref: Cape Melville 1970 Run #8 Photo #112  
 Topo Ref: Lakefield 1:100000 Sheet 7768 106 512  
 Lat/Long 14° 53' 40" S 144° 13' 35" E  
 Altitude: 20 metres  
 Location: "Airstrip Scrub" 1.2km SE of Kalpowar Homestead  
 Tenure: Kalpowar Pastoral Holding  
 Geology: Ferruginised sandstone

**Structure:**

SEMI DECIDUOUS MICROPHYLL VINE THICKET on ferruginous sandstone level plain with *Mimusops elengi*, *Briedelia* sp. ('Stone Crossing', JR. Clarkson 9032) and *Drypetes deplanchei*.

### SITE 13 (KAL)

Date: 20 November 1992  
Air Photo Ref: Cape Melville 1970 Run #6 Photo #30  
Topo Ref: Lakefield 1:100 000 Sheet 7768 950 739  
Lat/Long 14° 41' 28" S 144° 10' 15" E  
Altitude: 10 metres  
Location: Whiphandle Waterhole  
Normanby River  
23km NNW of Kalpowar Homestead  
Tenure: Kalpowar Pastoral Holding  
Geology: Quaternary alluvium, sand/silt deposits

#### Structure:

TALL CLOSED RIVERINE VINE FOREST on layered alluvial river terrace with *Syzygium forte* subsp. *potamophilum*, *Mallotus polyadenos*, and *Melaleuca* spp. emergents

### SITE 14 (KAL)

Date: 21 November 1992  
Air Photo Ref: Cape Melville 1974 Run #3 Photo #34  
Topo Ref: Bathurst Range 1: 100 000 Sheet 7769 AE 997 104  
Lat/Long 14° 21' 35" S 144° 12' 55" E  
Altitude: 80 metres  
Location: 10.8km SSE of Bathurst Head  
Tenure: Kalpowar Pastoral Holding  
Geology: Colluvial fan derived from ferruginous sandstone

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on colluvial fan derived from ferruginous sandstone with *Millettia pinnata*, *Canarium australianum*, *Buchanania arborescens* and occasional *Corpyha elata*

### SITE 15 (KAL)

Date: 21 November 1992  
Air Photo Ref: Cape Melville 1974 Run #3 Photo #34  
Topo Ref: Bathurst Range 1: 100 000 Sheet 7769 BE 007 079  
Lat/Long 14° 23' 00" S 144° 13' 20" E  
Altitude: 15 metres  
Location: "Yellow Dam"  
6km E of the Marrett River mouth  
Tenure: Kalpowar Pastoral Holding  
Geology: Colluvial fan derived from ferruginous sandstone

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on colluvial fan derived from ferruginous sandstone with *Canarium australianum*, *Buchanania arborescens* and *Millettia pinnata*

### SITE 16 (KAL)

Date: 21 November 1992  
Air Photo Ref: Cape Melville 1974 Run #3 Photo #34  
Topo Ref: Bathurst Range 1: 100 000 Sheet 7769 BE 007 077  
Lat/Long 14° 23' 00" S 144° 13' 20" E  
Altitude: 40 metres  
Location: 6km E of the Marrett River mouth  
Bathurst Range  
Tenure: Kalpowar Pastoral Holding  
Geology: KLC Battlecamp Formation - ferruginous sandstone

#### Structure:

DECIDUOUS NOTOPHYLL/MICROPHYLL VINE THICKET on ferruginous sandstone hills lope with *Gyracarpus americanus*, *Millettia pinnata* and *Flindersia collinra*

### SITE 17 (KAL)

Date: 22 November 1992  
Air Photo Ref: Cape Melville 1970 Run #4 Photo #139  
Topo Ref: Bathurst Range 1: 100 000 Sheet 7769 BE 014 019  
Lat/Long 14° 26' 12" S 144° 13' 40" E  
Altitude: 10 metres  
Location: 9km SE of the Marrett River mouth  
Bathurst Range  
Tenure: Kalpowar Pastoral Holding  
Geology: KLC Battlecamp Formation - ferruginous sandstone

#### Structure:

DECIDUOUS NOTOPHYLL VINE FOREST on colluvial fan derived from ferruginous sandstone with *Mallotus philippensis*, *Barringtonia calyptrata*, *Canarium australianum* and occasional *Bombax ceiba* var. *leiocarpum* emergents

### SITE 18 (KAL)

Date: 22 November 1992  
Air Photo Ref: Cape Melville 1970 Run #4 Photo #139  
Topo Ref: Bathurst Range 1: 100 000 Sheet 7769 BE 017 019  
Lat/Long 14° 26' 12" S 144° 14' 00" E  
Altitude: 40 metres  
Location: 9.5km SE of the Marrett River mouth  
Bathurst Range  
Tenure: Kalpowar Pastoral Holding  
Geology: KLC Battlecamp Formation - ferruginous sandstone

#### Structure:

DECIDUOUS NOTOPHYLL VINE THICKET on ferruginous sandstone hills lope with *Acacia* sp. (DGF 2749) and *Terminalia muelleri*

### SITE 19 (KAL)

Date: 23 November 1992  
Air Photo Ref: Cape Melville 1974 Run #3 Photo #38  
Topo Ref: Bathurst Range 1: 100 000 Sheet 7769 BE 154 151  
Lat/Long 14° 19' 58" S 144° 21' 35" E  
Altitude: 30 metres  
Location: Bathurst Bay  
19.5km ESE of Bathurst Head  
Tenure: Kalpowar Pastoral Holding  
Geology: KLc/JI Battlecamp Formation | Dalrymple sandstone -  
ferruginous sandstone

#### Structure:

DECIDUOUS NOTOPHYLL/MICROPHYLL VINE THICKET on ferruginous sandstone  
footslope with *Margaritaria dubium-traceyi*, *Croton arnhemicus* and *Brachychiton australis*,  
*Gyrocarpus americanus* and *Bombax ceiba* var. *leiocarpum* emergents

### SITE 20 (KAL)

Date: 24 November 1992  
Air Photo Ref: Cape Melville 1974 Run #3 Photo #38  
Topo Ref: Bathurst Range 1: 100 000 Sheet 7769 BE 087 113  
Lat/Long 14° 21' 50" S 144° 17' 50" E  
Altitude: 40 metres  
Location: Bathurst Range  
15km SE of Bathurst Head  
Tenure: Kalpowar Pastoral Holding  
Geology: J1 Dalrymple sandstone - quartz sandstone

#### Structure:

DECIDUOUS NOTOPHYLL VINE FOREST on quartz (siliceous) sandstone hillslope with  
*Terminalia* sp. aff. *muelleri*, *Wrightia pubescens* subsp. *penicillata*, *Croton arnhemicus* and  
occasional *Gyrocarpus americanus*, *Bombax ceiba* var. *T. leiocarpum* and *Millettia pinnata*  
emergents

### SITE 21 (WEB)

Date: 17 December 1992  
Air Photo Ref: Cooktown 1984 Run #3 Photo # 218  
Topo Ref: Cooktown 1:100000 Sheet 7967 BD 977 336  
Lat/Long 15° 03' 50" S 145° 07' 00" E  
Altitude: 70 metres  
Location: Mt Webb  
15 km NW of the Mclvor River mouth  
Tenure: NP 203, Mt Webb  
Geology: Olivine Basalt

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on a gentle hillslope and a kraznozern  
derived from basalt with *Cryptocarya rhodosperma* and *Canarium vitiense*



**SITE 22 (WEB)**

Date: 17 December 1992  
 Air Photo Ref: Cooktown Run #3 Photo # 218  
 Topo Ref: Cooktown 1:100000 Sheet 7967 BD 977 336  
 Lat/Long 15° 03' 52" S 145° 07' 05" E  
 Altitude: 60 metres  
 Location: Mt Webb  
 15 km NW of the Mclvor River mouth  
 Tenure: NP 203, Mt Webb  
 Geology: Olivine Basalt

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on gentle hillslope and krasnozem soil derived from basalt with *Alangium villosum* subsp. *polyosmoides*, *Miliusa horsfieldii* and *Alstonia scholaris* emergents

**SITE 23 (WEB)**

Date: 18 December 1992  
 Air Photo Ref: Cooktown 1984 Run #3 Photo # 218  
 Topo Ref: Cooktown 1:100000 Sheet 7967 BD 978 333  
 Lat/Long 15° 04' 4.28" S 145° 07' 8.06" E  
 Altitude: 50 metres  
 Location: Mt Webb  
 15 km NW of the Mclvor River mouth  
 Tenure: NP 203, Mt Webb  
 Geology: Olivine Basalt

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on krasnozem soils derived from basalt in a gently inclined valley floor with *Argyrodendron polyandrum* and *Miliusa horsfieldii* and occasional *Terminalia sericocarpa* emergent

**SITE 24 (WEB)**

Date: 18 December 1992  
 Air Photo Ref: Cooktown 1984 Run #3 Photo # 218  
 Topo Ref: Cooktown 1:100000 Sheet 7967 BD 979 330  
 Lat/Long 15° 04' 17" S 145° 07' 16" E  
 Altitude: 70 metres  
 Location: Mt Webb  
 15km NW of the Mclvor River mouth  
 100.5km E of Lakefield homestead  
 Tenure: NP 203, Mt Webb  
 Geology: Olivine Basalt

**Structure:**

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on a gentle hillslope and a krasnozem soil derived from basalt with *Canarium vitiense*, *Dysoxylum pettigrewianum* and *Cryptocarya rhodosperma*

### SITE 25 (WEB)

Date: 18 December 1992  
Air Photo Ref: Cooktown 1984 Run #3 Photo # 218  
Topo Ref: Cooktown 1:100000 Sheet 7967 BD 986 331  
Lat/Long 15° 04' 15" S 145° 07' 40" E  
Altitude: 100 metres  
Location: Mt Webb  
15km NW of the Mclvor River mouth  
Tenure: NP 203, Mt Webb  
Geology: Olivine Basalt

#### Structure:

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on a gentle hillslope and krasnozem soils derived from basalt with *Canarium vitiense*, and *Dysoxylum pettigrewianum* with *Alstonia scholaris* emergents

### SITE 26 (NOB)

Date: 25 February 1993  
Air Photo Ref: Cooktown 1960 Run #5 Photo # 5040  
Topo Ref: Nob Point 1:50000 Sheet 7967-11 55L CC 137 866  
Lat/Long 15° 29' 20" S 145° 15' 45" E  
Altitude: 390 metres  
Location: 0.2km NNE of Mt Cook summit, Cooktown  
Tenure: NP 142, Mt Cook  
Geology: Pgf - Finlayson granite (medium grained porphyritic adamellite)

#### Structure:

EVERGREEN NOTOPHYLL VINE FOREST on steep elevated granite hillslope (influenced by cloud) with *Syzygium conniflomm*, *Beilschmiedia obtusifolia* and *Pouteria xerocarpa*

### SITE 27 (NOB)

Date: 25 February 1993  
Air Photo Ref: Cooktown 1960 Run #5 Photo # 5040  
Topo Ref: Nob Point 1:50000 Sheet 7967-11 55L CC 134 870  
Lat/Long 15° 29' 15" S 145° 15' 40" E  
Altitude: 150 metres  
Location: 0.6km NNW of Mt Cook summit, Cooktown  
Tenure: NP 142, Mt Cook  
Geology: Pgf - Finlayson granite (medium grained porphyritic adamellite)

#### Structure:

SIMPLE EVERGREEN MESOPHYLL VINE FOREST on moderately inclined granitic hillslopes with *Beilschmiedia obtusifolia*, *Argyrodendron polyandrum* and *Syzygium cormiflorum* frequent in the canopy

**SITE 28 (NOB)**

Date: 25 February 1993  
 Air Photo Ref: Cooktown 1960 Run #5 Photo # 5040  
 Topo Ref: Nob Point 1:50000 Sheet 7967-11 55L CC 142 867  
 Lat/Long 15° 29' 15" S 145° 16' 05" E  
 Altitude: 260 metres  
 Location: 0.5km NNW of Mt Cook summit, Cooktown  
 Tenure: NP 142, Mt Cook  
 Geology: Pgf - Finlayson granite (medium grained porphyritic adamellite)

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on steep elevated granitic hillslope with *Myristica insipida*, *Cinnamomum baileyannum* and *Chionanthus ramiflorus*

**SITE 29 (NOB)**

Date: 26 February 1993  
 Air Photo Ref: Cooktown 1960 Run #5 Photo # 5040  
 Topo Ref: Nob Point 1:50000 Sheet 7967-11 55L CC 122 856  
 Lat/Long 15° 30' 00" S 145° 15' 05" E  
 Altitude: 60 metres  
 Location: 1.5km SW of Mt Cook summit, Cooktown  
 Tenure: NP 142, Mt Cook  
 Geology: D-Ch - Hodgkinson Formation metamorphics (hornfels)

**Structure:**

SEMI DECIDUOUS NOTOPHYLL VINE FOREST on red earth metamorphic footslopes with *Argyrodendron polyandrum*, *Buchanania arborescens* and *Ganophyllum falcatum* frequent in the canopy and *Bombax ceiba* var. *leiocarpum*, *Paraseriathes toona* and *Pleiogynium timorense* emergents

**SITE 30 (NOB)**

Date: 26 February 1993  
 Air Photo Ref: Cooktown 1960 Run #5 Photo # 5040  
 Topo Ref: Cooktown 1:50000 Sheet 7967-111 55L CC 123 859  
 Lat/Long 15° 29' 50" S 145° 15' 00" E  
 Altitude: 170 metres  
 Location: 1.5km WSW of Mt Cook summit, Cooktown  
 Tenure: NP 142, Mt Cook  
 Geology: D-Ch - Hodgkinson Formation metamorphics (hornfels)

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on steep upper metamorphic hillslope with *Anthocarapa nitidula*, *Myristica insipida* and *Canarium vitiense* frequent in the canopy

### SITE 31 (NOB)

Date: 26 February 1993  
Air Photo Ref: Cooktown 1960 Run #5 Photo # 5040  
Topo Ref: Cooktown 1:50000 Sheet 7967-111 CC 116 859  
Lat/Long 15° 29' 50" S 145° 14' 40" E  
Altitude: 80 metres  
Location: 2.1km WSW of Mt Cook summit, Cooktown  
Tenure: NP 142, Mt Cook  
Geology: D-Ch - Hodgkinson Formation metamorphics (hornfels)

#### Structure:

EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on steep metamorphic hillslopes with *Alstonia scholaris* and *Bombax ceiba* var. *leiocarpum* emergents

### SITE 32 (JAN)

Date: 27 March 1993  
Air Photo Ref: Cape Melville 1969 Run # 5 Photo # 48  
Topo Ref: Lakefield 1:100000 Sheet 7768 55L AD 899 939  
Lat/Long 14° 30' 36.38" S 144° 07' 23.06" E  
Altitude: 2 metres  
Location: Jane Table Hill  
46.7km north of Lakefield Homestead  
Tenure: NP 10, Lakefield National  
Geology: Sedimentary/colluvial

#### Structure:

LOW CLOSED DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on red brown sand with shellgrit over marine clay with *Gyrocarpus americanus*, *Millettia pinnata* and *Bombax ceiba* var. *leiocarpum*

### SITE 33 (JAN)

Date: 27 March 1993  
Air Photo Ref: Cape Melville 1969 Run # 5 Photo # 48  
Topo Ref: Lakefield 1:100000 Sheet 7768 55L AD 908 939  
Lat/Long 14° 30' 36.75" S 144° 07' 53.09" E  
Altitude: 15 metres  
Location: Jane Table Hill  
46.6km north of Lakefield Homestead  
Tenure: NP 10, Lakefield National  
Geology: Sandstone

#### Structure:

LOW CLOSED SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on sandstone talus footslopes with *Xanthostemon umbrosus*, *Gyrocarpus americanus* and *Terminalia muelleri*

### SITE 34 (JAN)

Date: 28 March 1993  
 Air Photo Ref: Cape Melville 1969 Run # 5 Photo # 48  
 Topo Ref: Lakefield 1:100000 Sheet 7768 55L AD 911 939  
 Lat/Long 14° 30' 36.87" S 144° 08' 03.10" E  
 Altitude: 40 metres  
 Location: Jane Table Hill  
 46.5km north of Lakefield Homestead  
 Tenure: NP 10, Lakefield National  
 Geology: Sandstone

#### Structure:

LOW CLOSED DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on sandstone hillslopes with *Millettia pinnata*, *Croton arnhemicus* and emergent *Bombax ceiba* var. *leiocarpum* and *Albizia retusa* subsp. *retusa*

### SITE 35 (JAN)

Date: 28 March 1993  
 Air Photo Ref: Cape Melville 1974 Run # 3 Photo # 38  
 Topo Ref: Bathurst Range 1:100000 Sheet 7769 55L AD 038 192  
 Lat/Long 14° 16' 59.38" S 144° 15' 16.98" E  
 Altitude: 5 metres  
 Location: Bathurst Bay  
 7 km ESE of Bathurst Head  
 46.7 km north of Lakefield Homestead  
 Tenure: Kalpowar Pastoral Holding  
 Geology: Beach dune deposits

#### Structure:

LOW CLOSED DECIDUOUS MICROPHYLL VINE. FOREST on beach dune deposits with *Mimusops elengi*, *Millettia pinnata* and *Celtis* sp. ('Cape Melville', D.G. Fell + DGF 3025)

### SITE 36 (JAN)

Date: 28 March 1993  
 Air Photo Ref: Cape Melville 1974 Run # 3 Photo # 38  
 Topo Ref: Bathurst Range 1:100000 Sheet 7769 55L BE 080 158  
 Lat/Long 14° 18' 51.53" S 144° 17' 35.68" E  
 Altitude: 40 metres  
 Location: Bathurst Bay  
 12 km ESE of Bathurst Head  
 68.5 km north of Lakefield Homestead  
 Tenure: Kalpowar Pastoral Holding  
 Geology: Siliceous sandstone

#### Structure:

LOW CLOSED DECIDUOUS NOTOPHYLL VINE FOREST on siliceous sandstone footslopes with *Gyrocarpus americanus* and *Brachychiton australis*

### SITE 37 (JAN)

Date: 29 March 1993  
Air Photo Ref: Coast Tie 2 1974 LAB 8994 Photo # 0003  
Topo Ref: Cape Melville 1: 100000 Sheet 7869 55L BE 325 316  
Lat/Long 14° 10' 26.64" S 144° 31' 18.31" E  
Altitude: 5 metres  
Location: 90.3 km NNE of Lakefield Homestead  
Tenure: NP 4, Cape Melville  
Geology: Aeolian dune

**Structure:**

SEMI DECIDUOUS NOTOPHYLL VINE FOREST on coastal aeolian dunes with *Celtis philippinensis*, *Vavaea amicorum* and *Aglaiia elaeagnoidea*

### SITE 38 (JAN)

Date: 29 March 1993  
Air Photo Ref: Cape Melville 1974 Coast Tie # 2 Photo # 0003  
Topo Ref: Cape Melville 1:100000 Sheet #7869 55L BE 338 295  
Altitude: 20 metres  
Location: 2.3 km north of Twin Peaks  
88.9 km NNE of Lakefield Homestead  
Tenure: NP 4, Cape Melville  
Geology: Alluvial flat derived from a mixture of marine deposits and weathered products of granite (Czx/Qa)

**Structure:**

DECIDUOUS NOTOPHYLL VINE THICKET on alluvial flats derived from a mixture of marine deposits and weathered products of granite with *Canarium australianum*, *Cochlospermum gillivraei* and *Cleistanthus hylandii* dominating the canopy

### SITE 39 (JAN)

Date: 29 March 1993  
Air Photo Ref: Cape Melville 1974 Coast Run # 3 Photo # 46  
Topo Ref: Cape Melville 1:100000 Sheet #7869 55L BE 380 176  
Altitude: 15 metres  
Location: 1.8 km NNW of Beabey Hill  
80.1 km NNE of Lakefield Homestead  
Tenure: NP 4, Cape Melville  
Geology: Mixture of marine sands and granite colluvium Czx/Qm

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on gently sloping plain derived from a mixture of marine sands and colluvial products of weathered granite with *Elaeocarpus arnhemicus*, *Millettia pinnata* and *Pleiogynium timorense* dominating the canopy

**SITE 40 (CLR)**

Date: 25 April 1993  
 Air Photo Ref: Cape Weymouth 1970 Run 7 Photo # 89/91  
 Topo Ref: Cape Weymouth 1:100000 Sheet 7572 YL 479 871  
 Lat/Long 12° 46' 15.37" S 143° 17' 00.22" E  
 Altitude: 10 metres  
 Location: R 21, D & O Reserve, King Park  
 6.6 km WNW of Lockhart River  
 Tenure: SLPF 477  
 Geology: Tmpv - Lillyvale Beds (Fe)

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on structured red medium clay loam colluvial flat with *Dissiliaria laxinervis*, *Aleurites moluccana* var. *moluccana* and *Brachychiton velutinosus* dominating the canopy

**SITE 41 (CLR)**

Date: 25 April 1993  
 Air Photo Ref: Cape Weymouth 1970 Run 7 Photo # 91  
 Topo Ref: Cape Weymouth 1:100000 Sheet 7572 YL 475 879  
 Lat/Long 12° 45' 49.04" S 143° 16' 46.73" E  
 Altitude: 10 metres  
 Location: Claudie River  
 7.3km WNW of Lockhart River Community  
 Tenure: R 21, D & O reserve  
 Geology: Tmpv Lillyvale Beds - layered river alluvium

**Structure:**

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on seasonally flooded alluvial river terrace with *Nauclea orientalis*, *Cryptocarya triplinervis* var. *riparia* and *Endiandra longipedicellata* dominating the canopy with *Ficus albipila* and *Syzygium bamagense* emergents

**SITE 42 (CLR)**

Date: 26 April 1993  
 Air Photo Ref: Cape Weymouth 1970 Run 7 Photo # 89  
 Lat/Long 12° 44' 35.58" S 143° 14' 50.08" E  
 Altitude: 10 metres  
 Location: West Claudie River  
 11.4km WNW of Lockhart River Community  
 Tenure: NP 8, Iron Range  
 Geology: Alluvium/colluvium (mapped within Sefton Metamorphics, PS)

**Structure:**

SEMI-DECIDUOUS MESOPHYLL VINE FOREST on alluvial/colluvial terrace with *Castanospermum australe*, *Aleurites moluccana* var. *moluccana* and *Aglaia spectabilis* dominating the canopy and *Tetrameles nudiflora* emergents

### SITE 43 (CLR)

Date: 27 April 1993  
Air Photo Ref: Cape Weymouth 1970 Run #6 Photo # 118  
Topo Ref: Cape Weymouth 100 000 Sheet 7572 YL 544 971  
Lat/Long 12° 40' 48.15" S 143° 20' 32.64" E  
Altitude: 50 metres  
Location: Wilson Creek  
11.9km North of Lockhart River Community  
Tenure: NP 8, Iron Range  
Geology: Weymouth granite – P/W

#### Structure:

TRANSITIONAL EVERGREEN NOTOPHYLL VINE FOREST on broad granite hillcrests with *Acacia polystachya*, *Blepharocarya involucrigera* and *Welchiodendron longivalve* dominating the canopy and with young vine forest understorey

### SITE 44 (CLR)

Date: 27 April 1993  
Air Photo Ref: Cape Weymouth 1970 Run #6 Photo # 120  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 YL 542 967  
Lat/Long 12° 41' 01.22" S 143° 20' 26.14" E  
Altitude: 30 metres  
Location: Wilson Creek  
11.5km North of Lockhart River Community  
Tenure: NP 8, Iron Range  
Geology: Weymouth granite – P/W

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on steep gullied granite hillslopes with *Argyrodendron polyandrum*, *Alstonia scholaris* and *Endiandra impressicosta* dominating the canopy and occasional *Acacia polystachya* emergents

### SITE 45 (CLR)

Date: 28 April 1993  
Air Photo Ref: Cape Weymouth 1969 Run 5 Photo # 108  
Topo Ref: Temple Bay 1:100 000 Sheet 7573 YM 464 181  
Lat/Long 12° 29' 27.34" S 143° 16' 01.61" E  
Altitude: 5 metres  
Location: Mouth of the Pascoe River, northern bank  
33.8 km NNW of Lockhart River Community  
Tenure: Bromley Holding  
Geology: Aeolian dune sand over mixed profile (Qm)

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST in lee of aeolian dune sand over mixed profile with *Syzygium bamagense*, *Beilschmiedia obtusifolia* and *Buchanania arborescens* common in the canopy and occasional *Alstonia actinophylla*



**SITE 46 (CLR)**

Date: 28 April 1993  
 Air Photo Ref: Cape Weymouth 1970 Run #5 Photo # 108  
 Topo Ref: Cape Weymouth 1:00 000 7572 YM 455 117  
 Lat/Long 12° 32' 55.78" S 143° 15' 33.63" E  
 Altitude: 5 metres  
 Location: Cassowary Creek  
 2km SSE of the confluence with the Pascoe River  
 27.9km NNW of Lockhart Community  
 Tenure: NP 8, Iron Range  
 Geology: Quaternary Alluvium - Qa

**Structure:**

SIMPLE DECIDUOUS NOTOPHYLL VINE FOREST on seasonally flooded alluvial river terrace beside permanent stream with *Argyrodendron polyandrum*, *Syzygium pseudofastigiatum* and *Garuga floribunda* var. *floribunda* common in the canopy

**SITE 47 (CMP)**

Date: 08 May 1993  
 Air Photo Ref: Cape Melville 19 Run # Photo #  
 Topo Ref: Cape Melville 1:100 000 Sheet 7869 BE 375 200  
 Lat/Long 14° 16' 45.59" S 144° 34' 00.93" E  
 Altitude: 20 metres  
 Location: 2km SSE of Temple Hill  
 81.9km NNE of Lakefield Ranger Base  
 Catchment of Tamulan Creek  
 Tenure: NP 4, Cape Melville  
 Geology: Colluvial footslopes derived from granite

**Structure:**

SEMI DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on colluvial footslopes derived from granite with *Aleurites moluccana* var. *moluccana* and *Syzygium bamagense* common in the canopy

**SITE 48 (CMP)**

Date: 08 May 1993  
 Air Photo Ref: Cape Weymouth 1970 Run# 5 Photo # 52  
 Topo Ref: Jeannie River 100 000 Sheet 7868 BD 409 940  
 Lat/Long 14° 30' 52.29" S 144° 35' 45.26" E  
 Altitude: 60 metres  
 Location: Altanmoui Range,  
 1.6 km east of Flat Hill  
 62.6 km east of Lakefield Ranger Base  
 Tenure: NP 4, Cape Melville - Altanmoui Range section  
 Geology: Mixed sedimentary sandstone with some ferricrete

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on mixed sedimentary colluvial footslopes with *Canthium odoratum*, *Dansiea* sp. ('Altanmoui Range', D.G. Fell + DGF 3198) and *Flindersia collina* common in the canopy with occasional deciduous emergents of *Gyrocarpus americanus* and *Brachychiton* sp. (DGF 3202).

### SITE 49 (CMP)

Date: 09 May 1993  
Air Photo Ref: Cape Melville 1970 Run #6 Photo # 18  
Topo Ref: Jeannie River 100 000 Sheet 7868 BD 661 813  
Lat/Long 14° 37' 53.58" S 144° 49' 42.51" E  
Altitude: 160 metres  
Location: Brown Peak  
11km WNW of the Jeannie River mouth  
75.4km ENE of Lakefield Ranger Base  
Tenure: Starcke Pastoral Holding  
Geology: Metamorphic

#### Structure:

SEMI DECIDUOUS MICROPHYLL VINE THICKET on steep metamorphic hillslopes and crests with *Euroschinus falcata* var. *angustifolia* and *Dinosperma erythrococca* common in the windsheared canopy and with occasional *Acacia aulacocarpa* and *Acacia polystachya* emergents.

### SITE 50 (CMP)

Date: 09 May 1993  
Air Photo Ref: Cape Melville 1970 Run #6 Photo # 42  
Topo Ref: Jeannie River 100 000 Sheet 7868 BD 406 729  
Lat/Long 14° 42' 18.37" S 144° 35' 27.77" E  
Altitude: 80 metres  
Location: Head of the Howick River  
48.9km ENE of Lakefield Ranger Base  
Tenure: Kalpowar Pastoral Holding  
Geology: -

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on weathered products of ferruginous sandstone (colluvial fan) with dominant *Syzygium argyropedicum*, occasional *Bombax ceiba* var. *leiocarpum* and *Gyrocarpus americanus*

### SITE 51 (CMP)

Date: 10 May 1993  
Air Photo Ref: Cape Melville 1960 Run# 9 Photo # 5006  
Topo Ref: Butchers Hill 1:100 000 Sheet 7866 BC 775 311  
Lat/Long 15° 59' 22.45" S 144° 55' 15.25" E  
Altitude: 380 metres  
Location: 2km E of Mt Gibson  
16km SSE of Lakeland Downs  
Tenure: Mt Gibson Holding  
Geology: Basalt

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL/MICROPHYLL VINE FOREST on steep rocky basaltic hillslopes with *Diospyros geminata* and *Olea paniculata* common in the canopy and *Paraserianthes toona* and *Pleiogynium timorense* emergents

**SITE 52 (PAT)**

Date: 19 July 1993  
 Air Photo Ref: Cape Melville 1974 Run# 3 Photo # 44  
 Topo Ref: Cape Melville 1:100 000 Sheet 7869 55L BE 330 195  
 Lat/Long 14° 17' 00.30" S 144° 31' 30.69" E  
 Altitude: 20 metres  
 Location: South branch of Temple Creek  
 145km NW of Barrow Point  
 79.4km NNE of Lakefield Homestead  
 Tenure: NP 4, Cape Melville  
 Geology: Pgi – Altanmoui granite

**Structure:**

SIMPLE EVERGREEN MESOPHYLL VINE FOREST on alluvium derived from granite (fringing permanent watercourse) with *Buchanania arborescens*, *Carallia brachiata*, *Syzygium tierneyanum* and feather palms *Archontophoenix alexandrae*

**SITE 53 (PAT)**

Date: 20 July 1993  
 Air Photo Ref: 1974 Run# 3 Photo # 44  
 Topo Ref: Cape Melville 1:100 000 Sheet 7869 55L BE 316 194  
 Lat/Long 14° 17' 03.07" S 144° 30' 43.97" E  
 Altitude: 270 metres  
 Location: Head of Temple Creek, 16 km NW of Barrow Point  
 78.7km NNE of Lakefield Homestead (24.80)  
 Tenure: NP 4, Cape Melville  
 Geology: Pgi – Altanmoui granite

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on granite hills with *Litsea fawcettiana*, *Aleurites moluccana* var. *moluccana* and conspicuous feather palms *Wodyetia bifurcata*

**SITE 54 (PAT)**

Date: 20 July 1993  
 Air Photo Ref: Cape Melville 1974 Run# 3 Photo # 44  
 Topo Ref: Cape Melville 1:100 000 Sheet 7869 55L BE 326 193  
 Lat/Long 14° 17' 06.67" S 144° 31' 17.28" E  
 Altitude: 120 metres  
 Location: Temple Creek catchment  
 15 km NW of Barrow Point  
 79.1 km NNE of Lakefield Homestead  
 Tenure: NP 4, Cape Melville  
 Geology: Pgi – Altanmoui granite

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on granite colluvial hillslopes with *Dissiliaria* sp. ('Rocky River', B.P. Hyland 10882), *Millettia pinnata* and conspicuous feather palms *Wodyetia bifurcata*

### SITE 55 (PAT)

Date: 20 July 1993  
Air Photo Ref: Cape Melville 1974 Run# 3 Photo # 44  
Topo Ref: Cape Melville 1:100 000 Sheet 7869 55L BE 340 183  
Lat/Long 14° 17' 39.67" S 144° 32' 03.61" E  
Altitude: 40 metres  
Location: "Smugglers Scrub"  
Temple Creek catchment  
13 km NW of Barrow Point  
78.8 km NNE of Lakefield Homestead  
Tenure: Cape Melville National Park  
Geology: Pgi – Altanmoui granite

#### Structure:

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE' FOREST on a colluvial plain at the base of granite hills with *Aleurites moluccana* var. *moluccana*, *Canarium australianum* var. *glabrum*, *Bombax ceiba* var. *leiocarpum* and occasional feather palms *Wodyetia bifurcata*

### SITE 56 (MAC)

Date: 15 August 1993  
Air Photo Ref: Coen 1970 Run# 5 Photo # 23  
Topo Ref: Coen 1:100 000 Sheet 7570 54L YL 692 034  
Lat/Long 13° 31' 31" S 143° 29' 47" E  
Altitude: 5 metres  
Location: Junction of Leo Creek and Nesbit River  
11 km W of the Nesbit River mouth  
56 km NE of Coen  
Tenure: Silver Plains Holding  
Geology: Alluvium

#### Structure:

SEMI DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on seasonally flooded alluvial terrace with *Castanospermum australe* and *Cordia dichotoma* dominating the canopy and occasional *Ficus albipila* and *Tetrameles nudiflora* emergents

### SITE 57 (MAC)

Date: 16 August 1993  
Air Photo Ref: Coen 1970 Run# 5 Photo # 25  
Topo Ref: Silver Plains 1:100 000 Sheet 7670 54L YL 707 045  
Lat/Long 13° 30' 54" S 143° 30' 02" E  
Altitude: 180 metres  
Location: Turrell Hill  
10 km WSW of the Nesbit River mouth  
51.6 km north of Silver Plains homestead  
Tenure: SLPF Silver Plains Holding  
Geology: Granite

#### Structure:

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on very steep upper hillslopes on soils derived from granite with a canopy dominated by *Alstonia scholaris*, *Argyrodendron polyandrum* and *Aleurites moluccana* var. *moluccana*

**SITE 58 (MAC)**

Date: 16 August 1993  
 Air Photo Ref: Coen 1970 Run# 5 Photo # 23  
 Topo Ref: Coen 1:100 000 Sheet 7570 54L YL 705 045  
 Lat/Long 13° 30' 54.87" S 143° 29' 56.30" E  
 Altitude: 40 metres  
 Location: Western base of Turrell Hill  
 10 km WSW of the Nesbit River mouth  
 51.7 km north of Silver Plains homestead  
 Tenure: SLPF Silver Plains Holding  
 Geology: Granitic colluvium

**Structure:**

TRANSITION SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on dry granitic colluvial footslopes with *Mallotus philippensis* dominating the canopy and occasional *Acacia polystachya*

**SITE 59 (MAC)**

Date: 17 August 1993  
 Air Photo Ref: Coen 1970 Run# 5 Photo # 23  
 Topo Ref: Silver Plains 1:100 000 Sheet 7670 54L YK 716 993  
 Lat/Long 13° 33' 43.62" S 143° 30' 34.64" E  
 Altitude: 320 metres  
 Location: Round Mountain, Embley Range  
 8.5 km WSW of the Nesbit River mouth  
 54.1 km NE Cowen  
 Tenure: SLPF Silver Plains Holding  
 Geology: Granite

**Structure:**

EVERGREEN NOTOPHYLL VINE FOREST on upland granitic plateau with *Argyrodendron polyandrum*, *Paraserianthes toona* and *Cryptocarya triplinervis* var. *riparia* dominating the canopy and occasional *Acacia polystachya*

**SITE 60 (MAC)**

Date: 17 August 1993  
 Air Photo Ref: Coen 1970 Run# 5 Photo # 23  
 Topo Ref: 13° 33' 29.26" S 143° 32' 47.46" E  
 Altitude: 20 metres  
 Location: 4.5 km WSW of the Nesbit River mouth  
 57 km NE Cowen  
 Tenure: Silver Plains Holding  
 Geology: Beach ridge deposits

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on beach ridge deposits with *Xanthostemon youngii*, *Beilschmiedia peninsularis* and *Canthium* sp. ('Friday Island', L. J. Brass 13158) dominating the canopy

### SITE 61 (MAC)

Date: 18 August 1993  
Air Photo Ref: Coen 1970 Run# 5 Photo # 23  
Topo Ref: Coen 1:100000 Sheet 7570 YL 696 029  
Lat/Long 13° 31' 47.21" S 143° 29' 26.93" E  
Altitude: 5 metres  
Location: Lower Nesbit River  
10.5 km west Nesbit River mouth  
55.8 km NE of Coen  
Tenure: Silver Plains Holding  
Geology: Qa - Alluvium

#### Structure:

DECIDUOUS NOTOPHYLL VINE FOREST on seasonally flooded alluvial plain with *Terminalia sericocarpa* and *Lagerstroemia archeriana* dominating the canopy

### SITE 62 (MAC)

Date: 18 August 1993  
Air Photo Ref: Coen 1969 Run# 7 Photo # 25  
Topo Ref: Coen 1:100000 Sheet 7570 54L YK 702 755  
Lat/Long 13° 46' 38.08" S 143° 29' 56.26" E  
Altitude: 10 metres  
Location: Scrubby Creek  
4 km west of Rocky River mouth  
37.4 km ENE of Coen  
Tenure: Silver Plains Holding  
Geology: Weathered beach dunes over marine alluvium

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST in peaty swamps formed by seepage from dunes with *Syzygium angophoroides* and *Horsfieldia australiana* dominating the canopy and with conspicuous feather palms, *Archontophoenix tuckeri*

### SITE 63 (MAC)

Date: 19 August 1993  
Air Photo Ref: Coen 1969 Run# 7 Photo # 25  
Topo Ref: Coen 1:100000 Sheet 7570 YK 690 753  
Lat/Long 13° 46' 44.99" S 143° 29' 16.40" E  
Altitude: 50 metres  
Location: 6 km west of Rocky River mouth  
36.2 km ENE of Coen  
Tenure: Silver Plains Holding  
Geology: Weathered beach ridges

#### Structure:

LOW CLOSED MICROPHYLL VINE FOREST on weathered beach ridges with *Halfordia kendack* and *Niemeyera antilogum* dominating the canopy and emergent *Acacia crassicarpa*

**SITE 64 (MAC)**

Date: 19 August 1993  
 Air Photo Ref: Coen 1969 Run# 7 Photo # 27  
 Topo Ref: Coen 1:100000 Sheet 7570 YK 674 721  
 Lat/Long 13° 48' 29.59" S 143° 28' 24.26" E  
 Altitude: 10 metres  
 Location: Rocky River  
 20.5 km NNW of Silver Plains homestead  
 33.3 km ENE of Coen  
 Tenure: Silver Plains Holding  
 Geology: Qa - Alluvium

**Structure:**

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on seasonally flooded alluvial terrace with *Castanospermum australe*, *Syzygium bamagense* and *Cryptocarya rhodosperma* dominating the canopy and occasional *Tetrameles nudiflora* and *Ficus albipila* emergents

**SITE 65 (MAC)**

Date: 21 August 1993  
 Air Photo Ref: Coen 1969 Run# 9 Photo # 145  
 Topo Ref: Coen 1:100000 Sheet 7570 54L YK 367 545  
 Lat/Long 13° 58' 11.78" S 143° 11' 27.19" E  
 Altitude: 380 metres  
 Location: Mt. White  
 3 km SSW of Coen  
 Tenure: Lochiner Holding  
 Geology: Granite

**Structure:**

LOW CLOSED SEMI-DECIDUOUS NOTOPHYLL VINE THICKET on very steep granitic hillslopes with *Ficus* spp., *Stenocarpus salignus* and *Croton arnhemicus* dominating the canopy

**SITE 66 (MAC)**

Date: 21 August 1993  
 Air Photo Ref: Coen 1974 Run# 6E Photo # 0102  
 Topo Ref: Coen 1:100000 Sheet 7570 YL 298 015  
 Lat/Long 13° 32' 44.95" S 143° 07' 24.28" E  
 Altitude: 200 metres  
 Location: Birthday Mountain  
 23 km north of Coen aerodrome  
 Tenure: NP 22, Rokeby National Park  
 Geology: Birthday Mountain adamellite

**Structure:**

SEMI-DECIDUOUS MICROPHYLL/NOTOPHYLL VINE FOREST on gently sloping colluvial footslopes derived from granite with *Dinosperma erythrocoeca* and *Stenocarpus salignus* dominating the canopy with occasional *Acacia polystachya* and *Brachychiton grandiflorus* emergents

### SITE 67 (MAC)

Date: 22 August 1993  
Air Photo Ref: Coen 1974 Run# 6E Photo # 0102  
Topo Ref: Coen 1:100000 Sheet 7570 54L YL 301 012  
Lat/Long 13° 32' 54.52" S 143° 07' 34.34" E  
Location: Birthday Mountain  
23.5 km north of Coen aerodrome  
Tenure: NP 22, Rokeby National Park  
Geology: Birthday Mountain adamellite

#### Structure:

SIMPLE DECIDUOUS NOTOPHYLL VINE FOREST on very steep granitic hills lopes with *Barringtonia calyptata*, *Acronychia* sp. ('Batavia Downs', J.R. Clarkson 8511), *Semecarpus australiensis* and occasional *Bombax ceiba* var. *leiocarpum*, *Brachychiton grandiflorus* and *Canarium australianum* emergents

### SITE 68 (MAC)

Date: 23 August 1993  
Air Photo Ref: Coen 1969 Run# 7 Photo # 31  
Topo Ref: Coen 1:100000 Sheet 7570 54L YL 521 801  
Lat/Long 13° 44' 14.38" S 143° 19' 52.50" E  
Altitude: 380 metres  
Location: Head of Peach Creek, McIlwraith Range  
26.5 km north of Coen  
Tenure: TR 14, McIlwraith Range  
Geology: Granite

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on broad hillslopes and ridge crests of soils derived from granite with *Xanthostemon chrysanthus*, *Endiandra dielsiana*, *Cryptocarya vulgaris* and occasional *Acacia aulacocarpa* emergents

### SITE 69 (MAC)

Date: 24 August 1993  
Air Photo Ref: Coen 1969 Run# 7 Photo # 31  
Topo Ref: Coen 1:100000 Sheet 7570 54L YL 516 808  
Lat/Long 13° 43' 51.77" S 143° 19' 35.64" E  
Altitude: 500 metres  
Location: Head of Peach Creek, McIlwraith Range  
27 km NE of Coen  
Tenure: TR 14, McIlwraith Range  
Geology: Granite

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on upland granitic hillcrests with *Acacia aulacocarpa*, *Cryptocarya vulgaris* and occasional *Eucalyptus pellita*



**SITE 70 (MAC)**

Date: 24 August 1993  
 Air Photo Ref: Coen 1969 Run# 7 Photo # 31  
 Topo Ref: Coen 1:100000 Sheet 7570 54L YK 506 824  
 Lat/Long 13° 43' 00.04" S 143° 19' 01.86" E  
 Altitude: 450 metres  
 Location: Western fall of McIlwraith Range  
 28 km NE of Coen  
 Tenure: TR 14, McIlwraith Range  
 Geology: Granite

**Structure:**

DRY ARUACARIAN SEMI-DECIDUOUS VINE FOREST on very steep granitic gully slopes dominated by emergent *Araucaria cunninghamii* with *Acacia polystachya* and *Canarium australianum*

**SITE 71 (MAC)**

Date: 24 August 1993  
 Air Photo Ref: Coen 1969 Run# 7 Photo # 31  
 Topo Ref: Coen 1:100000 Sheet 7570 54L YK 494 829  
 Lat/Long 13° 42' 44.15" S 143° 18' 21.78" E  
 Altitude: 300 metres  
 Location: Western fall of McIlwraith Range  
 Upper catchment of Pretty Peach Creek  
 27.5 km NE of Coen  
 Tenure: TR 14, McIlwraith Range  
 Geology: Granite

**Structure:**

DECIDUOUS NOTOPHYLL VINE FOREST on steep granitic hillslopes with *Cleistanthus peninsularis*, *Acacia polystachya* and occasional but conspicuous *Bombax ceiba* var. *T. leioclada*, *Brachychiton grandiflorus* and *Canarium australianum* emergents

**SITE 72 (MAC)**

Date: 25 August 1993  
 Air Photo Ref: Coen 1969 Run# 7 Photo # 31  
 Topo Ref: Coen 1:100000 Sheet 7570 54L YK 492 814  
 Lat/Long 13° 43' 33.00" S 143° 18' 15.06" E  
 Altitude: 320 metres  
 Location: Upper Peach Creek, northern branch  
 26.5 km NE of Coen  
 Tenure: TR 22, Rokeby  
 Geology: Granite

**Structure:**

SLIGHTLY DECIDUOUS NOTOPHYLL VINE FOREST on very steep granitic gorge slopes with *Argyrodendron polyandrum*, *A. trifoliolatum*, *Aleurites* var. *moluccana* and *Cleistanthus peninsularis*

### SITE 73 (MAC)

Date: 26 August 1993  
Air Photo Ref: Coen 1969 Run# 7 Photo # 45  
Topo Ref: Rokeby 1:100000 Sheet 7470  
Lat/Long 13° 41' 17.34" S 142° 50' 27.35" E  
Altitude: 190 metres  
Location: Mudspring Scrub  
Catchment of Mudspring Creek, Coen River  
48.1 km NW of Coen  
Tenure: NP 22, Rokeby  
Geology: Deeply weathered iron stained massive siltstones

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on deeply weathered iron stained massive siltstones with *Aidia racemosa*, *Drypetes deplanchei*, *Celtis* sp. ('Cape Melville', D.G. Fell + DGF 3025) and frequent *Paraserianthes toona* emergents

### SITE 74 (SAM)

Date: 08 October 1993  
Air Photo Ref: Orford Bay 1974 Run #1 Photo #0016 (128mm, 69mm)  
Topo Ref: Orford Bay 1:100 000 Sheet 7475 54L XN 771 713  
Lat/Long 11° 6' 38.30" S 142° 37' 17.56 E  
Altitude: 60 metres  
Location: 19.5 km WNW of Ussher Point  
35.4 km SE of Bamaga  
Tenure: NP 26, Jardine River National Park  
Geology: Laterite

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on lateritic hillslopes with *Welchiodendron longivalve*, *Endiandra glauca* and *Buchanania arborescens* dominating the canopy and occasional *Acacia polystachya*

### SITE 75 (SAM)

Date: 09 October 1993  
Air Photo Ref: Orford Bay 1974 Coast Tie 1 Photo #93  
Topo Ref: Orford Bay 1:100 000 Sheet 7475 54L XN 944 748  
Lat/Long 11° 4' 41.18" S 142° 46' 46.93" E  
Altitude: 50 metres  
Location: 1.5 km south of Furze Point  
47.6 km ESE of Bamaga  
Tenure: D & O Reserve, Shadwell  
Geology: Bauxite

#### Structure:

SIMPLE EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on shallow coastal sand over bauxite with *Buchanania arborescens*, *Syzygium forte* subsp. *forte* and *Acmena hemilampra* subsp. *hemilampra* dominating the canopy

**SITE 76 (SAM)**

Date: 09 October 1993  
 Air Photo Ref: Orford Bay 1974 Coast Tie 1 Photo #93 (143mm, 90mm)  
 Topo Ref: Orford Bay 1:100 000 Sheet 7475 54L XN 944 752  
 Lat/Long 11° 04' 28.16" S 142° 46' 46.85" E  
 Altitude: 40 metres  
 Location: 1.3 km south of Furze Point  
 47.4 km ESE of Bamaga  
 Tenure: D & O Reserve, Shadwell  
 Geology: Bauxite

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE THICKET on coastal bauxite escarpment with *Canarium australianum* and *Welchiodendron longivalve* dominating the canopy and *Ptychosperma elegans* abundant in the understorey

**SITE 77 (SAM)**

Date: 09 October 1993  
 Air Photo Ref: Orford Bay 1974 Coast Tie 1  
 Topo Ref: Orford Bay 1:100 000 Sheet 7475 54L XN 927 764  
 Lat/Long 11° 03' 49.44" S 142° 45' 50.61" E  
 Altitude: 20 metres  
 Location: Sadd Point  
 45.4 km ESE of Bamaga  
 Tenure: D & O Reserve, Shadwell  
 Geology: Aeolian dune sand

**Structure:**

SEMI-DECIDUOUS COASTAL MESOPHYLL/NOTOPHYLL VINE FOREST on aeolian dune sands with *Manilkara kauki*, *Syzygium forte* subsp. *forte* and *Ficus* spp.

**SITE 78 (SAM)**

Date: 10 October 1993  
 Air Photo Ref: Orford Bay 1974 Run #1 Photo #0016  
 Topo Ref: Orford Bay 1:100 000 Sheet 7475 54L XN 810 708  
 Lat/Long 11° 06' 53.87" S 142° 39' 26.17" E  
 Altitude: 80 metres  
 Location: 14 km SW of Furze Point  
 Catchment of the Escape River  
 38.6 km SE of Bamaga  
 Tenure: NP 26, Jardine River  
 Geology: Laterite

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on laterite plateau with *Syzygium angophoroides*, *Halfordia kendack* and *Pouteria chartacea* dominating the canopy and *Ptychosperma elegans* abundant in the understorey

### SITE 79 (SAM)

Date: 12 October 1993  
Air Photo Ref: Orford Bay 1969 Run #3 Photo #128  
Topo Ref: Vrilya Point 1:100 000 Sheet 7375 54L XN 541 579  
Lat/Long 11° 13' 58.26" S 142° 24' 41.71" E  
Altitude: 70 metres  
Location: 11 km NNW of the Eliot Creek – Jardine River confluence  
38.1 km south of Bamaga  
Tenure: NP 26, Jardine River  
Geology: Lateritic sandstone

#### Structure:

SIMPLE EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on lateritic sandstone plateau with *Syzygium forte* subsp. *forte*, *Welchiodendron longivalve* and *Flindersia ifflaiana* dominating the canopy and conspicuous *Acacia polystachya*

### SITE 80 (SAM)

Date: 13 October 1993  
Air Photo Ref: Orford Bay 1974 Run #1 Photo #0032  
Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L XN 785 087  
Lat/Long 11° 40' 35.31" S 142° 38' 15.34" E  
Altitude: 150 metres  
Location: 10.5 km NNE of Heathlands Ranger Base  
91.3 km SSE of Bamaga  
Tenure: R 7, Heathlands, D & O Reserve  
Geology: Lateritic sandstone

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on sandstone with *Welchiodendron longivalve* dominating the canopy and associated *Flindersia ifflaiana*, *Endiandra glauca* and *Syzygium forte* subsp. *forte*

### SITE 81 (SAM)

Date: 13 October 1993  
Air Photo Ref: Orford Bay 1974 Run #2S Photo #0112  
Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L XN 846 082  
Lat/Long 11° 40' 50.41" S 142° 41' 36.85" E  
Altitude: 160 metres  
Location: 14.5 km NE of Heathlands Ranger Base  
Upper catchment of the McHenry River  
93.7 km SSE of Bamaga  
Tenure: R 7, Heathlands, D & O Reserve  
Geology: Quartzose sandstone

#### Structure:

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on quartzose sandstone with *Welchiodendron longivalve*, *Syzygium forte* subsp. *forte* and *Halfordia kendack* dominating the canopy and *Pandanus conicus* abundant in the understorey

**SITE 82 (SAM)**

Date: 14 October 1993  
 Air Photo Ref: Jardine River 1969 Run #4 Photo #161 (109m, 66m)  
 Topo Ref: Vrilya Point 1:100 000 Sheet 7375 54L XN 608 362  
 Lat/Long 11° 25' 43.45" S 142° 28' 26.23" E  
 Altitude: 160 metres  
 Location: 8.2 km SE of Eliot Creek Falls  
 Eliot Creek – McHenry River catchment divide  
 60.4 km south of Bamaga  
 Tenure: R 7, Heathlands, D & O Reserve  
 Geology: Quartzose sandstone

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on quartzose sandstone with *Buchanania arborescens*, *Welchiodendron longivalve*, *Endiandra glauca* and *Cryptocarya cunninghamii* dominating the canopy

**SITE 83 (SAM)**

Date: 14 October 1993  
 Air Photo Ref: Jardine River 1969 Run #4 Photo #161  
 Topo Ref: Vrilya Point 1:100 000 Sheet 7375 54L XN 593 328  
 Lat/Long 11° 27' 34.36" S 142° 27' 37.31" E  
 Altitude: 110 metres  
 Location: 9.7 km SSE of Eliot Creek Falls  
 Catchment of Eliot Creek  
 63.6 km south of Bamaga  
 Tenure: R 7, Heathlands, D & O Reserve  
 Geology: Quartzose sandstone

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on yellow-brown loamy sands derived from quartzose sandstone with *Callitris intratropica* and *Welchiodendron longivalve* dominating the canopy

**SITE 84 (SAM)**

Date: 15 October 1993  
 Air Photo Ref: Orford Bay 1974 Run #25 Photo #0112  
 Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L XN 853 063  
 Lat/Long 11° 41' 52.10" S 142° 42' 00.34" E  
 Altitude: 160 metres  
 Location: 14.3 km NE of Heathlands  
 95.7 km SSE of Bamaga  
 Tenure: R 7, Heathlands, D & O Reserve  
 Geology: Quartzose sandstone

**Structure:**

EVERGREEN NOTOPHYLL VINE FOREST on yellow-brown sandy loam derived from quartzose sandstone with *Syzygium forte* subsp. *forte*, *Canthium lamprophyllus* and *Blepharocarya involucrigera* dominating the canopy

### SITE 85 (SAM)

Date: 15 October 1993  
Air Photo Ref: Orford Bay 1974 Run #25 Photo #0110  
Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L SN 875 096  
Lat/Long 11° 40' 04.28" S 142° 45' 12.32" E  
Altitude: 150 metres  
Location: 17.7 km NE of Heathlands Ranger Base  
Catchment of the McHenry River (Jardine River)  
Tenure: R 7, Heathlands, D & O Reserve  
Geology: Quartzose sandstone

#### Structure:

SIMPLE EVERGREEN SCLEROPHYLL/NOTOPHYLL VINE FOREST on uniform grey sandy loam derived from quartzose sandstone with *Neofabricia myrtifolia*, *Flindersia iffaiiana* and *Syzygium angophoroides* dominating the canopy (a transition type)

### SITE 86 (SAM)

Date: 16 October 1993  
Air Photo Ref: Orford Bay 1974 Run #25 Photo #0112  
Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L XN 857 066  
Lat/Long 11° 41' 42.26" S 142° 42' 13.28" E  
Altitude: 120 metres  
Location: 14.6 km NE of Heathlands Ranger Base  
'Messum' catchment  
Tenure: R 7, Heathlands, D & O Reserve  
Geology: Quartzose sandstone

#### Structure:

COMPLEX EVERGREEN NOTOPHYLL VINE FOREST in a sheltered permanently moist situation below a sandstone escarpment with *Calophyllum sil*, *Pouteria obovoidea*, *Maranthes corymbosa* and conspicuous palms *Gulubia costata*, *Caryota rumphiana* and *Licuala ramsayi*

### SITE 87 (SAM)

Date: 17 October 1993  
Air Photo Ref: Orford Bay 1974 Run #25 Photo #0110  
Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L XN 881 097  
Lat/Long 11° 40' 00.91" S 142° 43' 32.10" E  
Altitude: 120 metres  
Location: 18.2 km NE of Heathlands Ranger Base  
'Messum' catchment  
Tenure: R 7, Heathlands, D & O Reserve  
Geology: Colluvium derived from sandstone

#### Structure:

EVERGREEN NOTOPHYLL VINE FOREST on loamy sands derived from sandstone with *Syzygium bamagense*, *Palaquium galactoxylon*, *Schefflera bractescens* and conspicuous feather palms

### SITE 88 (SAM)

Date: 17 October 1993  
 Air Photo Ref: Orford Bay 1974 Run #25 Photo #110  
 Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L XN 891 117  
 Lat/Long 11° 38' 55.63" S 142° 44' 04.72" E  
 Altitude: 90 metres  
 Location: 20 km NE of Heathlands Ranger Base  
 'Messum' catchment  
 Tenure: R 7, Heathlands, D & O Reserve  
 Geology: Colluvium derived from sandstone

#### Structure:

EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on uniform yellow-brown loam derived from sandstone with *Syzygium bamagense*, *Beilschmiedia obtusifolia*, *Podocarpus grayae* and occasional *Acacia polystachya*

### SITE 89 (SAM)

Date: 18 October 1993  
 Air Photo Ref: Orford Bay 1974 Coast Tie 1 Photo #106  
 Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L XN 917 139  
 Lat/Long 11° 37' 43.51" S 142° 45' 30.10" E  
 Altitude: 50 metres  
 Location: 10.5 km west of Captain Billy Landing  
 91.3 km SSE of Bamaga  
 'Messum' catchment  
 Tenure: R 7, Heathlands, D & O Reserve  
 Geology: Alluvium from sandstone

#### Structure:

EVERGREEN MESOPHYLL VINE FOREST on recent stream alluvium derived from sandstone with *Horsfieldia australiana*, *Syzygium angophoroides* and *Syzygium forte* subsp. *forte* dominating the canopy

### SITE 90 (SAM)

Date: 19 October 1993  
 Air Photo Ref: Orford Bay 1974 Coast Tie 1 Photo #108  
 Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L YN 021 114  
 Lat/Long 11° 39' 02.71" S 142° 51' 13.93" E  
 Altitude: 50 metres  
 Location: 2 km south of Captain Billy Landing  
 31.5 km NE of Heathlands Ranger Base  
 Tenure: R 7, Heathlands, D & O Reserve  
 Geology: Aeolian dune sand

#### Structure:

SIMPLE EVERGREEN SCLEROPHYLL/NOTOPHYLL ARAUCARIAN VINE FOREST on broad undulating sand dunes dominated by emergent *Araucaria cunninghamii* and *Neofabricia myrtifolia*

### SITE 91 (SAM)

Date: 19 October 1993  
Air Photo Ref: Orford Bay 1974 Run #25 Photo #106  
Topo Ref: Shelburne Bay 1:100 000 Sheet 7474 54L XN 986 145  
Lat/Long 11° 37' 22.58" S 142° 49' 17.74" E  
Altitude: 40 metres  
Location: 3.7 km WNW of Captain Billy Landing  
29.7 km NE of Heathlands Ranger Base  
Tenure: R 7, Heathlands, D & O Reserve  
Geology: Recent alluvium derived from sandstone

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on recent alluvium derived from sandstone dominated by *Buchanania arborescens* and *Canarium australianum* with *Acacia polystachya*

### SITE 92 (HOP)

Date: 16 November 1993  
Air Photo Ref: Cooktown 1984 Run #9 Photo #34  
Topo Ref: Cooktown 1:50 000 Sheet 7967 55L BD 942 064  
Lat/Long 15° 18' 38.31" S 145° 04' 59.65" E  
Altitude: 40 metres  
Location: Mt. Piebald, lower eastern slopes  
3.2 km SW of Hope Vale Community  
Tenure: Hope Vale Aboriginal Reserve  
Geology: Czp – Olivine basalt

**Structure:**

EVERGREEN NOTOPHYLL VINE FOREST on kraznozem hillslopes derived from olivine basalt with *Dysoxylum pettigrewianum*, *Cryptocarya rhodosperma* and *Myristica globosa* subsp. *muelleri* dominating the canopy

### SITE 93 (HOP)

Date: 16 November 1993  
Air Photo Ref: Cooktown 1984 Run #8 Photo #55  
Topo Ref: Cooktown 1:50 000 Sheet 7967-111 55L CD 021 106  
Lat/Long 15° 16' 23.91" S 145° 09' 25.62" E  
Altitude: 5 metres  
Location: 5.7 km NE of Hope Vale Community  
Elim Road  
Tenure: Hope Vale Aboriginal Reserve  
Geology: Alluvium

**Structure:**

EVERGREEN NOTOPHYLL VINE FOREST on hard setting alluvial loam with gilgai formation with *Acmenosperma claviflorum*, *Buchanania arborescens*, *Blepharocarya involucrigera* and *Helicia australasica* abundant in the canopy



**SITE 94 (HOP)**

Date: 17 November 1993  
 Air Photo Ref: Cooktown 1984 Run #5 Photo #44  
 Topo Ref: Mt Webb 1:50 000 Sheet 7967-1V 55L BD 949 241  
 Lat/Long 15° 09' 02.74" S 145° 05' 28.30" E  
 Altitude: 10 metres  
 Location: Mclvor River, 15.5 km W of the mouth  
 Crossing of the Cooktown – Mclvor Road, south side  
 Tenure: Hope Vale Aboriginal Reserve  
 Geology: Alluvium

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on seasonally flooded riverine alluvium with *Alstonia scholaris*, *Dysoxylum gaudichaudianum* and *Syzygium malaccense* dominating the canopy

**SITE 95 (HOP)**

Date: 17 November 1993  
 Air Photo Ref: Cooktown 1984 Run #7E Photo #82  
 Topo Ref: Mt Webb 1:50 000 Sheet 7967-1V 55L BD 982 166  
 Lat/Long 15° 13' 07.65" S 145° 07' 16.67" E  
 Altitude: 160 metres  
 Location: 15 km of the Mclvor River mouth  
 Upper catchment of the Endeavour River  
 Tenure: Hope Vale Aboriginal Reserve  
 Geology: J1 – Quartzose sandstone

**Structure:**

EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on sandstone spring gully heads with *Buchanania arborescens*, *Syzygium forte* subsp. *forte*, *Flindersia bourjotiana* and *Ormosia ormondii* abundant in the canopy

**SITE 96 (HOP)**

Date: 18 November 1993  
 Air Photo Ref: Cooktown 1984 Run #8 Photo #57  
 Topo Ref: Cooktown 1:50 000 Sheet 7967-111 55L CD 047 120  
 Lat/Long 15° 15' 39.08" S 145° 10' 53.15" E  
 Altitude: 5 metres  
 Location: 8.8 km NE of the Hope Vale Community  
 Tenure: Hope Vale Aboriginal Reserve  
 Geology: Alluvium

**Structure:**

SIMPLE EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on seasonally inundated gleyed podzolics with prominent gilgai formations, and with *Syzygium angophoroides*, *Dillenia alata*, *Buchanania arborescens* and *Ilex arnhemensis* subsp. *ferdinandi*

### SITE 97 (HOP)

Date: 18 November 1993  
Air Photo Ref: Cooktown 1984 Run #10 Photo #16  
Topo Ref: Cooktown 1:50 000 Sheet 7967 55L CD 091 032  
Lat/Long 15° 20' 26.54" S 145° 13' 18.18" E  
Altitude: 20 metres  
Location: 13.2 km ESE of the Hope Vale Community  
Catchment of the Endeavour River  
Tenure: Hope Vale Aboriginal Reserve  
Geology: Alluvium

#### Structure:

SIMPLE EVERGREEN FEATHER PALM VINE FOREST on seasonally inundated gilgaid gleyed podzolic developed from alluvium with *Archontophoenix alexandrae* dominating the canopy interspersed with occasional *Syzygium tierneyanum* and *Melicope elleryana*

### SITE 98 (HOP)

Date: 19 November 1993  
Air Photo Ref: Cooktown 1983 Run #12 Photo #203  
Topo Ref: Cooktown 1:50 000 Sheet 7967 55L CC 108 962  
Lat/Long 15° 24' 14.72" S 145° 14' 13.25" E  
Altitude: 80 metres  
Location: 7.1 km NNW of Cooktown  
Western slopes of Mt. Milman  
Upper catchment of the Endeavour River, right branch  
Tenure: Hope Vale Aboriginal Reserve  
Geology: Mixed D-CI Metamorphic schist/JI Conglomerate sandstone

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on metamorphic derived clay loam capped with conglomerate sandstone with *Beilschmiedia obtusifolia*, *Cryptocarya rhodosperma*, *Buchanania arborescens* and *Bombax ceiba* var. *leiocarpum* abundant in the canopy

### SITE 99 (HOP)

Date: 18 November 1993  
Air Photo Ref: Cooktown 1983 Run #12 Photo #202  
Topo Ref: Cooktown 1:50 000 Sheet 7967 55L CC 075 966  
Lat/Long 15° 24' 00.82" S 145° 12' 22.07" E  
Altitude: 5 metres  
Location: 8.7 km NNW of Cooktown, Endeavour River, right branch  
Tenure: Hope Vale Aboriginal Reserve, (Des Bowen's block)  
Geology: Alluvium

#### Structure:

SIMPLE EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on seasonally flooded riverine alluvium with *Buchanania arborescens*, *Cryptocarya triplinervis* var. *riparia* and *Beilschmiedia obtusifolia* dominating the canopy

**SITE 100 (PAJ)**

Date: 17 February 1994  
 Air Photo Ref: Torres Strait 1957 Run #1 Photo #5003  
 Topo Ref: Cape York 1:100 000 Sheet 7476 XP 666 128  
 Lat/Long 10° 44' 09.41" S 142° 31' 24.65" E  
 Altitude: 50 metres  
 Location: Williams Spring, Head of Big Creek  
 22.4 km NE of Bamaga  
 Tenure: R106, Injinoo Custodial Land, Northern Peninsula Reserve  
 Geology: Alluvium (Qpa) derived from laterite developed above  
 ferruginised

**Structure:**

EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST beside permanent creek on alluvium derived from ferruginous laterite with *Blepharocarya involucrigera*, *Intsia bijuga*, *Horsfieldia australiana* and *Syzygium forte* subsp. *forte* abundant in the canopy

**SITE 101 (PAJ)**

Date: 17 February 1994  
 Air Photo Ref: Torres Strait 1957 Run #2 Photo #5025  
 Topo Ref: Cape York 1:100 000 Sheet 7476 54L XP 703 090  
 Lat/Long 10° 46' 12.48" S 142° 33' 27.07" E  
 Altitude: 40 metres  
 Location: Lake Wicheura  
 4.5 km W of Vallack Point  
 22.6 km NE of Bamaga  
 Tenure: R106, Injinoo Custodial Land  
 Geology: Qd – Quartzose sand

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on quartzose dune sands with *Myristica globosa* subsp. *muelleri*, *Blepharocarya involucrigera* and *Buchanania arborescens* abundant in the canopy

**SITE 102 (PAJ)**

Date: 18 February 1994  
 Air Photo Ref: Torres Strait 1957 Run #1 Photo #5003  
 Topo Ref: Cape York 1:100 000 Sheet 7476 XP 680 163  
 Lat/Long 10° 42' 15.27" S 142° 32' 10.16" E  
 Altitude: 5 metres  
 Location: Evans Bay  
 26 km NE of Bamaga  
 Tenure: R106, Injinoo Custodial Land  
 Geology: Qd – Quartzose sand

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on coastal frontal dune-swale with *Mimusops elengi*, *Manilkara kauki*, *Intsia bijuga* abundant in the canopy and with frequent *Antiaris toxicaria* var. *macrophylla*

### SITE 103 (PAJ)

Date: 18 February 1994  
Air Photo Ref: Torres Strait 1957 Run #1 Photo #5003  
Topo Ref: Cape York 1:100 000 Sheet 7476 54L XP 675 167  
Lat/Long 10° 42' 02.33" S 142° 31' 53.64" E  
Altitude: 80 metres  
Location: Mt. Bremer, western slopes  
26 km NE of Bamaga  
Tenure: R106, Injinoo Custodial Land  
Geology: Ce – Eborac Ignimbrite (acid volcanics)

#### Structure:

(MIXED) SEMI-DECIDUOUS NOTOPHYLL/SCLEROPHYLL VINE THICKET on steep acid volcanic hillslopes with *Welchiodendron longivalve* dominating the canopy and conspicuous *Acacia polystachya*

### SITE 104 (PAJ)

Date: 19 February 1994  
Air Photo Ref: Torres Strait 1957 Run #2 Photo #5024  
Topo Ref: Cape York 1:100 000 Sheet 7476 54L XP 657 117  
Lat/Long 10° 44' 45.36" S 142° 30' 55.21" E  
Altitude: 40 metres  
Location: Roma Flats, 8.5 km west of Somerset Bay  
21 km NE of Bamaga  
Tenure: R106, Injinoo Custodial Land  
Geology: Colluvium derived from laterite developed above ferruginised

#### Structure:

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on colluvium derived from ferruginous laterite with *Syzygium pseudofastigiatum*, *Alstonia scholaris* and *Beilschmiedia obtusifolia* abundant in the canopy and conspicuous *Bombax ceiba* var. *leiocarpum*, *Garugafioribunda varofloribunda*, *Miliusa horsfieldii* and *Canarium* spp.

### SITE 105 (PAJ)

Date: 19 February 1994  
Air Photo Ref: Torres Strait 1957 Run #2 Photo #5024  
Topo Ref: Cape York 1:100 000 Sheet 7476 54L XP 652 102  
Lat/Long 10° 45' 34.26" S 142° 30' 39.00" E  
Altitude: 100 metres  
Location: Carnegie Range  
9 km WSW of Somerset  
19 km NE of Bamaga  
Tenure: R106, Injinoo Custodial Land  
Geology: Laterite developed above ferruginised Mesozoic sandstone

#### Structure:

SLIGHTLY DECIDUOUS NOTOPHYLL VINE FOREST on lateritic plateau with *Aglaia spectabilis*, *Myristica insipida* and *Beilschmiedia obtusifolia* abundant in the canopy

**SITE 106 (PAJ)**

Date: 19 February 1994  
 Air Photo Ref: Torres Strait 1957 Run #1 Photo #5003  
 Topo Ref: Cape York 1:100 000 Sheet 7476 54L XP 674 173  
 Lat/Long 10° 41' 42.82" S 142° 31' 50.25" E  
 Altitude: 2 metres  
 Location: Frangipani Beach, 26.4 km South of Cape York tip  
 19 km NE of Bamaga  
 Tenure: Injinoos Custodial Land  
 Geology: Quaternary alluvium sand over marine mud

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on shallow sand mantle over marine mud deposits with *Terminalia muelleri*, *Garuga floribunda* var. *floribunda* and *Mimusops elengi* dominating the canopy with conspicuous *Ficus virens* var. *sublanceolata*

**SITE 107 (PAJ)**

Date: 20 February 1994  
 Air Photo Ref: Torres Strait 1957 Run #2 Photo #5024  
 Topo Ref: Cape York 1:100 000 Sheet 7476 54L XP 660 114  
 Lat/Long 10° 44' 55.07" S 142° 31' 05.13" E  
 Altitude: 100 metres  
 Location: Carnegie Range, 8 km W of Somerset  
 21 km NE of Bamaga  
 Tenure: Injinoos Custodial Land  
 Geology: Laterite developed above ferruginized Mesozoic sandstone

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on red-brown loam derived from laterite (abundant surface rock) on plateau with *Myristica insipida*, *Litsea macrophylla* and *Alstonia scholaris* abundant in the canopy with conspicuous *Aglaia spectabilis*, *Antiaris toxicaria* var. *macrophylla* and *Endospermum myrmecophilum*

**SITE 108 (PAJ)**

Date: 21 February 1994  
 Air Photo Ref: Torres Strait 1957 Run #1 Photo #5003  
 Topo Ref: Cape York 1:100 000 Sheet 7476 54L XP 669 126  
 Lat/Long 10° 44' 15.87" S 142° 31' 34.56" E  
 Altitude: 70 metres  
 Location: Head of Big Creek, Carnegie Range  
 22.5 km NE of Bamaga  
 Tenure: Injinoos Custodial Land  
 Geology: Laterite developed above ferruginized Mesozoic sandstone

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on moderately steep lateritic hillslopes with *Miliusa horsfieldii*, *Premna hylandiana* and *Arytera divaricata* frequent in the canopy

### SITE 109 (PAJ)

Date: 21 February 1994  
Air Photo Ref: Torres Strait 1957 Run #1 Photo #5003  
Topo Ref: Cape York 1:100 000 Sheet 7476 54L XP 677 174  
Lat/Long 10° 41' 39.51" S 142° 32' 00.10" E  
Altitude: 40 metres  
Location: Pajinka Scrub  
0.7 km N of Mt Bremer summit  
26.7 km NE of Bamaga  
Tenure: Injinoos Custodial Land  
Geology: A shallow alluvial/colluvial mantle over acid volcanics

#### Structure:

COASTAL - SIMPLE EVERGREEN NOTOPHYLL VINE THICKET on poorly drained shallow wind blown sand/acid volcanic colluvium over acid volcanics with *Endiandra glauca*, *Garcinia warrenii*, *Mallotus polyadenos* and *Syzygium forte* subsp. *forte* dominating the canopy

### SITE 110 (PAJ)

Date: 22 February 1994  
Air Photo Ref: Torres Strait 1957 Run #2 Photo #4024  
Topo Ref: Thursday Island 1:100 000 Sheet 7376 54L XP 620 080  
Lat/Long 10° 46' 46.37" S 142° 28' 54.02" E  
Altitude: 20 metres  
Location: 2.9 km ENE of Lockerbie  
15.8 km NE of Bamaga  
Tenure: Injinoos Custodial Land/Bamaga Aboriginal Reserve  
Geology: Quaternary alluvium

#### Structure:

EVERGREEN FEATHER PALM VINE FOREST on a permanent watercourse and soil derived from alluvium with canopy dominated by *Gulubia costata*, *Syzygium forte* subsp. *forte*, *Horsfieldia australiana* and with conspicuous *Pandanus zea*

### SITE 111 (TOZ)

Date: 23 March 1994  
Air Photo Ref: Cape Weymouth 1970 Run #7 Photo #89  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 YL 408 898  
Lat/Long 12° 44' 49.49" S 143° 13' 04.15" E  
Altitude: 180 metres  
Location: 1.3 km NW of Mt. Tozer  
14.2 km WNW of Lockhart River  
Tenure: NP8, Iron Range  
Geology: Rhyolite – acid volcanic

#### Structure:

EVERGREEN NOTOPHYLL VINE FOREST on steep acid volcanic hillslopes with *Macadamia claudiensis*, *Endiandra impressicosta*, *Cryptocarya vulgaris* and *Pouteria xylocarpa* abundant in the canopy

**SITE 112 (TOZ)**

Date: 24 March 1994  
 Air Photo Ref: Cape Weymouth 1970 Run #6 Photo #116  
 Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YM 607 017  
 Lat/Long 12° 38' 16.67" S 143° 23' 59.94" E  
 Altitude: 15 metres  
 Location: 3.4 km SW of Cape Weymouth  
 17.6 km NNE of Lockhart River community  
 Tenure: NP8, Iron Range  
 Geology: Quaternary sand

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on consolidated coastal aeolian dune sands with *Manilkara kauki*, *Pouteria sericea*, *Dinosperma erythrococca* and *Xanthostemon youngii* abundant in the canopy

**SITE 113 (TOZ)**

Date: 25 March 1994  
 Air Photo Ref: Cape Weymouth 1970 Run #6 Photo #116  
 Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 606 977  
 Lat/Long 12° 40' 26.80" S 143° 23' 57.85" E  
 Altitude: 10 metres  
 Location: Albatross Cove  
 7.9 km SW of Cape Weymouth  
 13.9 km NNE of Lockhart River community  
 Tenure: NP8, Iron Range  
 Geology: Qa Quaternary sand

**Structure:**

SIMPLE DECIDUOUS NOTOPHYLL VINE FOREST on young coastal aeolian dune with *Syzygium forte* subsp. *forte*, *Terminalia muelleri* and *Syzygium argyropedicum* abundant in the canopy

**SITE 114 (TOZ)**

Date: 25 March 1994  
 Air Photo Ref: Cape Weymouth 1970 Run #6 Photo #116  
 Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YM 606 033  
 Lat/Long 12° 39' 02.24" S 143° 23' 57.06" E  
 Altitude: 30 metres  
 Location: 5.8 km SW of Cape Weymouth  
 16.3 km NNE of Lockhart River  
 Tenure: NP8, Iron Range  
 Geology: Qa Quaternary sand

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on consolidated coastal aeolian dune sands with *Xanthostemon youngii*, *Syzygium forte* subsp. *forte* and *Syzygium argyropedicum* dominating the canopy

### SITE 115 (TOZ)

Date: 26 March 1994  
Air Photo Ref: Cape Weymouth 1970 Run #7 Photo #89 (29mm, 176mm)  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 516 924  
Lat/Long 12° 43' 21.84" S 143° 19' 01.27" E  
Altitude: 60 metres  
Location: Northern footslopes of Ham Hill  
7.6 km NNW of Lockhart River  
Tenure: R 21, D & O Purposes Reserve  
Geology: Hornsfield Schist - Metamorphic

**Structure:**

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on metamorphic footslopes with *Premna hylandiana*, *Tetrameles nudiflora*, *Berrya javanica* and *Antiaris toxicaria* var. *macrophylla* abundant in the canopy

### SITE 116 (TOZ)

Date: 26 March 1994  
Air Photo Ref: Cape Weymouth 1970 Run #7 Photo #89  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 504 928  
Lat/Long 12° 43' 09.18" S 143° 18' 21.39" E  
Altitude: 50 metres  
Location: 1.5 km ENE of Lamond Hill  
8.5 km NNW of Lockhart River community  
Tenure: R 21, D & O Purposes Reserve  
Geology: Metamorphics – quartzite gravel on surface

**Structure:**

TRANSITION TYPE - NOTOPHYLL VINE FOREST on metamorphic ridge crests and steep upper hillslopes with *Acacia polystachya* and *Acacia aulacocarpa* dominating the canopy and abundant *Endiandra glauca* and *Cryptocarya vulgaris*

### SITE 117 (TOZ)

Date: 27 March 1994  
Air Photo Ref: Cape Weymouth 1970 Run #7 Photo #89  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 425 901  
Lat/Long 12° 44' 38.49" S 143° 15' 29.87" E  
Altitude: 30 metres  
Location: West Claudie River  
10.3 km WNW of Lockhart River  
Tenure: Vacant Crown Land  
Geology: Granite

**Structure:**

TRANSITION TYPE - NOTOPHYLL VINE FOREST with *Acacia polystachya* dominating a largely deciduous canopy where *Terminalia sericocarpa*, *Brachychiton velutinosus* and *Canarium australianum* are abundant



### SITE 118 (TOZ)

Date: 28 March 1994  
 Air Photo Ref: Cape Weymouth 1970 Run #7 Photo #89  
 Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 456 902  
 Lat/Long 12° 44' 35.13" S 143° 15' 43.10" E  
 Altitude: 40 metres  
 Location: 10 km WNW of Lockhart River community  
 Catchment of the West Claudie River  
 Tenure: NP 8, Iron Range  
 Geology: Colluvium from granite

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on colluvium (deep podsol) strongly weathered products of granite with *Tenninalia muelleri*, *Mimusops elengi*, *Cleistanthus hylandii* and *Halfordia kendack* abundant in the canopy

### SITE 119 (TOZ)

Date: 28 March 1994  
 Air Photo Ref: Cape Weymouth 1970 Run #7 Photo #89  
 Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 455 940  
 Lat/Long 12° 43' 04.07" S 143° 15' 38.98" E  
 Altitude: 40 metres  
 Location: 11.7 km NW of Lockhart River community  
 Tenure: Vacant Crown Land  
 Geology: Metamorphic (gravelly red earth)

**Structure:**

EVERGREEN NOTOPHYLL VINE FOREST on metamorphic footslopes with *Palaquium* sp. (DGF 4176), *Myristica insipida*, *Dysoxylum pettegrewianum* and *Dysoxylum arborescens* abundant in the canopy

### SITE 120 (TOZ)

Date: 29 March 1994  
 Air Photo Ref: Cape Weymouth 1970 Run #7 Photo #89  
 Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 430 908  
 Lat/Long 12° 44' 16.34" S 143° 14' 16.77" E  
 Altitude: 20 metres  
 Location: Catchment of the West Claudie River  
 12.6 km WNW of Lockhart River  
 Tenure: Vacant Crown Land  
 Geology: Colluvium from granite (greyed podzolic)

**Structure:**

SEMI-DECIDUOUS MESOPHYLL VINE FOREST on weathered colluvium derived from granite (gleyed podzolic) with *Buchanania arborescens*, *Blepharocarya involucrigera*, *Terminalia seril* abundant in the canopy and occasional *Acacia polystachya*

### SITE 121 (TOZ)

Date: 29 March 1994  
Air Photo Ref: Cape Weymouth 1970 Run #7 Photo #7  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 428 911  
Lat/Long 12° 44' 06.64" S 143° 14' 10.05" E  
Altitude: 80 metres  
Location: Upper catchment of the West Claudie River  
12.9 km WNW of Lockhart River community  
Tenure: Vacant Crown Land  
Geology: Granite

**Structure:**

EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on steep granitic hillslopes with *Buchanania arborescens*, *Neonauclea gordoniana*, *Aleurites moluccana* and *Bosistoa medicinalis* abundant in the canopy

### SITE 122 (OLI)

Date: 26 April 1994  
Air Photo Ref: Cape Weymouth 1974 Run #2E Photo #79  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7573 54L YM 320 628  
Lat/Long 12° 05' 17.02" S 143° 07' 53.15" E  
Altitude: 20 metres  
Location: 9.5 km NE of the Olive River mouth  
80.7 km NNW of Lockhart River community  
Tenure: Bromley Holding  
Geology: Quaternary sand deposits

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on parabolic sand dune complex with *Xanthostemon youngii*

### SITE 123 (OLI)

Date: 26 April 1994  
Air Photo Ref: Cape Weymouth 1974 Run #2E Photo #79  
Topo Ref: Temple Bay 1:100 000 Sheet 7573 54L YM 274 589  
Lat/Long 12° 07' 25.06" S 143° 05' 22.07" E  
Altitude: 60 metres  
Location: 6 km north of the Olive River mouth  
78.4 km NNW of Lockhart River community  
Tenure: Bromley Holding  
Geology: Qd - Quaternary sand

**Structure:**

SIMPLE EVERGREEN NOTOPHYLL VINE FOREST on steep lee slope of parabolic dune sand with *Xanthostemon youngii*, *Stenocarpus salignus* and *Terminalia muelleri* abundant in the canopy

### SITE 124 (OLI)

Date: 27 April 1994  
Air Photo Ref: Cape Weymouth 1974  
Topo Ref: Temple Bay 1:100 000 Sheet 7573 54L YM 261 535  
Lat/Long 12° 10' 21.07" S 143° 04' 40.45" E  
Altitude: 40 metres  
Location: 1.5 km west of the Olive River mouth  
73.8 km NNW of Lockhart River  
Tenure: Bromley Holding  
Geology: Qd - Quaternary dune sand

**Structure:**

LOW CLOSED VINE FOREST with emergent *Araucaria cunninghamii*

### SITE 125 (OLI)

Date: 27 April 1994  
Air Photo Ref: Cape Weymouth 1972 Run #4 Photo #137  
Topo Ref: Moreton 1:100 000 Sheet 7473 54L XM 674 348  
Lat/Long 12° 20' 42.35" S 142° 32' 22.48" E  
Altitude: 70 metres  
Location: 16.2 km NW of Moreton Telegraph Station  
Catchment of the Wenlock River  
Tenure: Bertiehaugh Holding  
Geology: Laterite

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on lateritic rises (remnants of Aurukun surface) with *Stenocarpus salignus*, *Welchiodendron longivalve* and *Ailanthus triphysa* frequent in the canopy

### SITE 126 (OLI)

Date: 28 April 1994  
Air Photo Ref: Cape Weymouth 1970 Run #8 Photo #34  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 340 788  
Lat/Long 12° 50' 49.19" S 143° 09' 21.83" E  
Altitude: 340 metres  
Location: Head of Canoe Creek  
5 km NW of Mt Yangee  
21.2 km WSW of Lockhart River  
Tenure: Lockhart River Aboriginal Reserve  
Geology: Granite

**Structure:**

EVERGREEN MESOPHYLL/NOTOPHYLL VINE FOREST on gentle granite hillslopes with *Macadamia claudiensis*, *Cinnamomum oliveri* and *Cryptocarya vulgaris* frequent in the canopy

### SITE 127 (OLI)

Date: 29 April 1994  
Air Photo Ref: Cape Weymouth 1970 Run #8 Photo #32  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 454 772  
Lat/Long 12° 51' 38.06" S 143° 15' 40.23" E  
Altitude: 100 metres  
Location: Head of Swamp Creek, Table Range  
11.9 km SW of Lockhart River community  
Tenure: Lockhart River Aboriginal Reserve  
Geology: Granite

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on steep granite hillslopes with *Argyrodendron polyandrum*, *Garuga floribunda* var. *floribunda* and *Acacia aulacocarpa*

### SITE 128 (OLI)

Date: 29 April 1994  
Air Photo Ref: Cape Weymouth 1970 Run #8 Photo #32  
Topo Ref: Cape Weymouth 1:100 000 Sheet 7572 54L YL 457 773  
Lat/Long 12° 51' 34.72" S 143° 15' 50.16" E  
Altitude: 40 metres  
Location: Swamp Creek, base of Table Range  
11.6 km SW of Lockhart River community  
Tenure: Lockhart River Aboriginal Reserve  
Geology: Alluvium derived from granite

#### Structure:

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on stream side alluvium derived from granite with *Aleurites moluccana*, *Syzygium tierneyanum*, *Buchanania arborescens* and *Nauclea orientalis* frequent in the canopy

### SITE 129 (OLI)

Date: 04 May 1994  
Air Photo Ref: Cape Melville  
Topo Ref: Cape Melville 1:100 000 Sheet 7869 55L BE 354 180  
Lat/Long 14° 17' 49.91" S 144° 32' 50.19" E  
Altitude: 80 metres  
Location: 11.5 km NW of Barrow Point  
79 km NNE of Lakefield Ranger Base  
Tenure: NP 4, Cape Melville  
Geology: Metamorphics

#### Structure:

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on metamorphic hillslopes with *Aleurites moluccana*, *Bombax ceiba* var. *leiocarpum* and *Aidia racemosa* abundant in the canopy and frequent *Acacia fleckeri*

**SITE 130 (OLI)**

Date: 04 May 1994  
 Air Photo Ref: Cape Melville 1970 Run #5 Photo #52  
 Topo Ref: Jeannie River 1:100 000 Sheet 7869 55L BD 410 940  
 Lat/Long 14° 30' 52" S 144° 35' 45" E  
 Altitude: 60 metres  
 Location: Altanmoui Range  
 1.6 km E of Flat Hill  
 Tenure: NP 4, Cape Melville, Altanmoui section  
 Geology: Ferruginous sandstone overlaying granite (Talus deposits)

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL/MICROPHYLL VINE THICKET on rocky ferruginous sandstone footslopes with *Gyrocarpus americanus*, *Drypetes deplanchei* and *Euphorbia plumerioides* var. *plumerioides* abundant in the canopy

**SITE 131 (ARC)**

Date: 11 June 1994  
 Air Photo Ref: Aurukun 1969 Run #5 Photo #215  
 Topo Ref: Merluna 1:100 000 Sheet 7371 227 103  
 Lat/Long 13° 28' 21" S 142° 10' 47.24" E  
 Altitude: 20 metres  
 Location: NP 3, Archer Bend  
 120 km WNW of Coen  
 Tenure: NP 3, Archer Bend  
 Geology: Alluvium

**Structure:**

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on riverine alluvial terrace flats with *Pterocarpus* sp. ('Archer River', B.P. Hyland 3078), *Syzygium bamagense* and *Grevillea baileyana*

**SITE 132 (ARC)**

Date: 11 June 1994  
 Air Photo Ref: Aurukun 1969 Run #5 Photo #215  
 Topo Ref: Merluna 1:100 000 Sheet 7371 54L x L 283 114  
 Lat/Long 13° 27' 45.10" S 142° 11' 07.01" E  
 Altitude: 20 metres  
 Location: NP 3, Archer Bend  
 120 km WNW of Coen  
 Tenure: NP 3, Archer Bend  
 Geology: Alluvium

**Structure:**

TRANSITIONAL CLOSED FOREST on recent deposits of riverine alluvium with *Buchanania arborescens* and *Acacia polystachya* dominating the canopy and occasional sclerophylls

### SITE 133 (ARC)

Date: 12 June 1994  
Air Photo Ref: Coen 1969 Run #9 Photo #135  
Topo Ref: Merluna 1:100 000 Sheet 7371 54L XL 610 245  
Lat/Long 13° 59' 47.67" S 142° 48' 36.14" E  
Altitude: 190 metres  
Location: NP 22, Rokeby  
Southern boundary adjoining Holroyd River Holding  
42.4 km W of Coen  
Tenure: NP 22, Rokeby  
Geology: Laterite

#### Structure:

SEJMI-DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on lateritic plateau with *Celtis* sp. ('Cape Melville', D.G. Fell + DGF 3025), *Siphonodon australis* and *Paraserianthes toona* frequent in the canopy

### SITE 134 (ARC)

Date: 12 June 1994  
Air Photo Ref: Aurukun 1969 Run #4 Photo #155  
Topo Ref: Rokeby 1:100 000 Sheet 7470 54L YK 955 519  
Lat/Long 13° 20' 33.03" S 142° 29' 11.70" E  
Altitude: 40 metres  
Location: Near the eastern boundary of NP 3, Archer Bend  
102 km NW of Coen  
Tenure: Merluna Holding  
Geology: Alluvium

#### Structure:

DECIDUOUS NOTOPHYLL VINE THICKET on cracking clays with *Terminalia muelleri*, *Lagerstroemia archeriana* and *Cochlospermum gillivraei* abundant

### SITE 135 (ARC)

Date: 12 June 1994  
Air Photo Ref: Coen 1974 Run #4W Photo #0107  
Topo Ref: Wenlock 1:100 000 Sheet 7471 54L XL 724 195  
Lat/Long 13° 23' 13.43" S 142° 35' 31.61" E  
Altitude: 40 metres  
Location: Merluna Holding  
90.2 km NW of Coen  
Tenure: Merluna Holding  
Geology: Alluvium

#### Structure:

DECIDUOUS NOTOPHYLL.MICROPHYLL VINE FOREST on alluvium of anabranch with *Lagerstroemia archeriana*, *Millettia pinnata* and *Cathormion umbellatum* abundant in the canopy

### SITE 136 (ARC)

Date: 14 June 1994  
 Air Photo Ref: Cape Weymouth 1974 Run #2E Photo #77  
 Topo Ref: Temple Bay 1:100 000 Sheet 7573 54L YM 223 562  
 Lat/Long 12° 08' 54.16" S 143° 02' 34.11" E  
 Altitude: 40 metres  
 Location: 5.5 km WNW of the Olive River mouth  
 55.6 km NE of Moreton Telegraph Station  
 Tenure: Bromley Holding  
 Geology: Laterite

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL VINE FOREST on lateritic plateau/hillslope with *Archidendron hirsutum*, *Canarium australianum* and *Cryptocarya cunninghamii* frequent in the canopy

### SITE 137 (ARC)

Date: 14 June 1994  
 Air Photo Ref: Coen 1972 Run #2 Photo #99  
 Topo Ref: Lockhart River 1:100 000 Sheet 7571 54L YL 703 468  
 Lat/Long 13° 07' 59.27" S 143° 29' 35.55" E  
 Altitude: 1 metres  
 Location: 41.6 km SSE of Lockhart River community  
 Tenure: Lockart River Aboriginal Reserve  
 Geology: Alluvial

#### Structure:

SEMI-DECIDUOUS MESOPHYLL/NOTOPHYLL VINE FOREST on alluvium/colluvium mantle over marine mud with *Terminalia sericocarpa*, *Semecarpus australiensis*, *Alstonia scholaris* and *Buchanania arborescens*

### SITE 138 (AMB)

Date: 30 July 1994  
 Air Photo Ref: Ebagoola  
 Topo Ref: Marina Plains 1:100 000 Sheet 7668 54L ZJ 065 910  
 Lat/Long 14° 32' 12.12" S 143° 50' 38.02" E  
 Altitude: 10 metres  
 Location: 45 km NE of Musgrave Station  
 57.5 km NW of Lakefield Ranger Base  
 Tenure: LP 10, Lakefield  
 Geology: Sand

#### Structure:

DECIDUOUS NOTOPHYLL/MICROPHYLL VINE FOREST on alluvial sand with *Gyrocarpus americanus*, *Terminalia subacroptera* emergents and *Celtis* sp. ('Cape Melville', D.G. Fell + DGF 3025), *Wrightia pubescens* subsp. *penicillata* and *Miliusa traceyi* abundant in the canopy

### SITE 139 (AMB)

Date: 31 July 1994  
Air Photo Ref: Cape Melville 1970 Run #4 Photo #137  
Topo Ref: Bathurst Range 1:100 000 Sheet 7769 55L BE 045 034  
Lat/Long 14° 25' 33.35" S 144° 15' 34.06" E  
Altitude: 100 metres  
Location: 19 km SSE of Bathurst Head  
Catchment of Barramundi Creek  
55.8 km N of Lakefield Ranger Base  
Tenure: Kalpowar Holding  
Geology: Ferruginous sandstone

#### Structure:

SEMI-DECIDUOUS NOTOPHYLL VINE THICKET on ferruginous sandstone plateau with *Cupaniopsis fleckeri*, *Miliusa traceyi*, *Canarium australianum*, *Erythroxylon* sp. ('Olive River', J.R. Clarkson 9991) and *Cassia* sp. ('Kalpowar', D.G. Fell + DGF 2769)

### SITE 140 (AMB)

Date: 01 August 1994  
Air Photo Ref: Cooktown 1962 Run #4 Photo #5036  
Topo Ref: Kennedy Bend 1:100 000 Sheet 7767 55L BD 118 030  
Lat/Long 15° 19' 57.96" S 144° 18' 49.83" E  
Altitude: 60 metres  
Location: 17 km SSW of New Laura Ranger Base  
Catchment of Little Scrubby Creek, Normanby River  
Tenure: Np 10, Lakefield  
Geology: Holocene alluvial – Qa Rolling downs group Klr

#### Structure:

LOW CLOSED DECIDUOUS VINE THICKET on cracking gilgaied clay soils with *Melaleuca citrolens*, *Terminalia oblongata* subsp. *volucris*, *Croton arnhemicus*, *Flindersia collina* and *Cochlospermum gillivraei*.