

Cairns Campus of James Cook University Smithfield Hill Slopes.

SMITHFIELD VEGETATION INVENTORY

Site 1- Ridge top

Soil - gravelly xanthozem metamorphics, dense understorey 5 to 10 metres. Most open area is dominated by *Acacia f1avescens*, but includes many vine forest taxa.

Acacia polystachya
Alphitonia excelsa
Blepharocarya involucrigera
Calamus caryotoides
Cryptocarya grandis
Cupaniopsis foveolata
Flagellaria indica
Glochidion harveyanum
Guioa acutifolia
Jagera pseudorhus
Litsea bindoniana
Litsea fawcettiana
Mischocarpus lachnocarpus
Ormosia ormondii
Podocarpus .grayae
Polyscias australiana
Pycnarrhena novoguineensis
Melodorum leichhardtiana
Rhysotoechia mortoniana
Scleria polycarpa
Trema orientalis

Acronychia laevis
Alstonia muelleria
Brucea javanica
Cordyline cannifolia
Cryptocarya vulgaris
Endiandra hypotephra
Gahnia aspera
Gmelina fasciculiflora
Hypserpa lallrina
Lantana camara
Litsea chinensis
Mallotus philippensis
Neolitsea dealbata
Pittosporum rubiginosum
Polyalthia nitidissima
Polyscias elegans
Rapanea porosa
Rhodomyrtus macrocarpa
Sarcopteryx martyana
Tetrasynandra pubescens

Site 2 -Lower ridge slopes

Soils are deeper, hold greater moisture, are red and high in clay

Abroma mollis
Acronychia acronychioides
Alphitonia excelsa
Blechnum cartilagineum
Canthium coprosmoides
Davidsonia pruriens
Duboisia myoporoides
Gahnia sieberiana
Grevillea baileyana
Macaranga subdentata
Mallotus polyadenos
Homalanthus novoguineensis
Platynerium bifurcatum
Sloanea langii

Acacia aulacocarpa
Alphitonia incana
Archirhodomyrtus beckleri
Calamus motii
Commersonia bartramia
Decaspermum humile
Embelia sp nov.
Gardenia ovularis
Macaranga involucrigera
Mallotus mollissimus
Melodinus australis
Piper novae hollandiae
Scaevola enantophylla
Xanthophyllum octandrum

Site 3 -Sheltered Gully bottom

Site is sheltered gully. Gully is steep and erosion prone with exposed beds of shale rock

Adiantum diaphanum
Casearia sp.
Cryptocarya hypospodia

Arytera pauciflora
Chionanthus ramiflora
Cryptocarya mackinnoniana

Daphnandra repandula
Derris trifoliata
Elaeocarpus bancroftii
Helicia australasica
Litsea leefeana
Palmeria scandens
Rapanea subsessilis
Rubus moluccanus
Tetracera nordtiana var. *wuthiana*
Wrightia laevis ssp. *millgar*

Dendrocide moroides
Doodia aspera
Euodia sp.
Homalium circumpinnatum
Pachygone sp.
Pittosporum rubiginosum
Rhodamnia spongiosa
Syzygium kuranda
Toechima erythrocarpum
Xylopiya maccraeae

Site 4 -Steep Lower Gully

Site is steep gully on alluvial colluvial foot-slopes with CMVF

Coveniella
Acacia aulacocarpa
Aglaia sapindina
Alstonia muelleriana
Archidendron hendersonii
Balanophora .fungosa
Blepharocarya involucrigera
Brucea javanica
Calophyllum sil
Castanospermum australe
Chionanthus ramiflorus
Connarus conchocarpus
Cryptocarya hypospodia
Cupaniopsis flagelliformis
Rhamnella vitiense
Doodia media
Drynaria quercifolia
Elaeocarpus angustifolius
Endiandra acuminata
Faradaya splendida
Ficus variegata
Ganophyllum falcatum
Glycosmis trifolia
Hedraianthera porphyropetala
Ixora klanderiana
Kuntheria blackii
Leptaspis banksii
Litsea glutinosa
Macaranga subdentata
Maesa dependens
Mallotus polyadenos
Myristica insipida
Palaquium galactoxylum
Phyllanthus cuscutiflorus
Podocarpus grayae
Polyalthia nitidissima
Psychotria loniceroides
Randia cochinchinensis
Rapanea subsessilis
Rhodamnia spongiosa
Sarcopteryx martyana

Abacopteris poecilophlebia
Acacia polystachya
Alpinia caerulea
Alstonia scholaris
Argyrodendron polyandrum
Beilschmiedia obtusifolia
Breynia stipitata
Buchanania arborescens
Canarium vitiense
Castanospora alphanthii
Cissus antarctica
Cryptocarya clarksoniana
Cryptocarya vulgaris
Cupaniopsis foveolata
Derris trifoliata
Pleomele angustifolia
Dysoxylum oppositifolium
Elattostachys microcarpa
Eupomatia bennettii
Ficus hispida
Flindersia iffliana
Geitonoplesium cymosum
Gomphandra australiana
Hypserpa laurina
Kibara rigidifolia
Lepiderema sericolignis
Litsea chinensjs
Macaranga involucrigera
Macaranga tanarius
Mallotus philippensis
Mischocarpus pyriformjs
Homalanthus novoguineensis
Paraserianthes toona
Planchonella obovoidea
Polyalthia sp. nov.
Polyscias elegans
Ptychosperma elegans
Randia tuberculosa
Rhodamnia sessiliflora
Salacia disepala
Siphonodon membranaceus

Solanum torvum
Synima cordierorum
Terminalia sericocarpa
Tetrastigma thorsborneorum
Trema orientalis
Trichospermum sumatranum .
Uvaria membranacea
Wrightia laevis ssp *millgar*

Streblus brunonianus
Tabernaemontana orientalis
Tetracera nordtiana var *nordtiana*.
Tetrasynandra pubescens
Trichosanthes sp.
Trophis scandens subsp. *megacarpa*
Viticipremna queenslandica

Smithfield, riparian vegetation

Acacia aulacocarpa
Acacia flavescens
Acacia polystachya
Acronychia acronychioides
Alchornea sp
Aleurites moluccana
Alpinia caerulea
Alstonia scholaris
Argyrodendron polyandrum
Austromyrtus minutiflora
Brachychiton acerifolius
Buchanania arborescens
Calamus sp.
Carallia brachiata
Castanospermum australe
Chionanthus ramiflorus
Claoxylon tenerifolium
Clerodendrum cunninghamii
Cryptocarya laevigata var. *bowiei*
Cryptocarya vulgaris
Canarium australianum
Dianella sp.
Doodia media
Dysoxylum gaudichaudianum
Elaeocarpus angustifolius
Eucalyptus tereticornis
Eupomatia laurina
Ficus hispida
Ficus opposita
Ficus nodosa
Flindersia ifflaiana
Ganophyllum falcatum
Glochidion harveyanum
Glycosmis pentaphylla
Gomphandra australiana
Grevillea baileyana
Hedraianthera porphyropetala
Ichnocarpus sp
Kibara rigidifolia
Lantana camara
Litsea fawcettiana
Lygodium reticulatum
Macaranga tanarius
Mallotus philippensis
Melaleuca leucadendra

Acacia crassicaarpa
Acacia mangium
Acmenosperma claviflorum
Albizia procera
Alectryon tomentosus
Alphitonia petriei
Alstonia muelleriana
Archontophoenix alexandrae
Arytera divaricata
Beilschmiedia obtusifolia
Brucea javanica
Calophyllum sil
Cananga odorata
Elaeodendron melanocarpum
Celtis paniculatus
Cissus repens
Cleistanthus apodus
Cryptocarya clarksoniana
Cryptocarya murrayi
Cupaniopsis foveolatus
Dendrocnide moroides
Diploglottis diphylostegia
Dysoxylum arborescens
Dysoxylum muelleri (mollissimum)
Epipremnum pinnatum
Eucalyptus tessellaris
Eustrephus latifolius
Ficus mollior
Ficus racemosa
Flagellaria indica
Flindersia schottiana
Geitonoplesium cymosum
Glochidion philippicum
Gmelina fasciculiflora
Graptophyllum ilicifolium
Guioa acutifolia
Helicia australasica
Ixora klanderiana
Kunstleria blackii
Leptaspis banksii
Lophostemon suaveolens
Macaranga involucrigera
Mallotus mollissimus
Mallotus polyadenos
Melia azedarach

Millettia pinnata
Myristica insipida
Olea paniculata
Paraserianthes toona
Passiflora foetida
Pisonia unbellifera
Planchonella xerocarpa
Polyalthia nitidissima
Polyscias australianum
Psidium guajava
Randia fitzalanii
Salacia disepala
Semecarpus australiensis
Smilax australis
Streblus brunonianus
Syzygium cormiflorum
Tabernaemontana orientalis
Tetrastigma nitens
Timonius timon
Trichosanthes sp
Wrightia laevis subsp. millgar

Mischocarpus sundaicus
Nauclea orientalis
Panicum maximum
Parsonsia sp
Phyllanthus sp
Pittosporum rubiginosum
Platynerium bifurcatum
Polyalthia michaelii
Polyscias elegans
Ptychosperma elegans
Rivina humilis
Scolopia braunii
Siphonodon membranaceus
Solanum torvum
Synima cordierorum
Syzygium tierneyanum
Terminalia sericocarpa
Tetracera nordtiana var. nordtiana
Trema orientalis
Trophis scandens subsp. megacarpa
Xanthophyllum octandrum