

THE 1990 EXPEDITION TO CAMDEN HARBOUR, NORTH-WEST KIMBERLEY: PART 6 – BOTANY

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INTRODUCTION

The expedition to Camden Harbour in 1990 continued a series of scientific surveys along the Kimberley coast led by Kevin Coate. For details of the expedition's itinerary, map showing the route and general narrative of the expedition's broad aims and objectives see Coate (this publication). Collections of both terrestrial and marine plants were made for the Western Australian Herbarium. These have been databased and incorporated into *FloraBase*, an information system providing rapid access to a wide range of specimen collections and data about the Western Australian flora (see florabase.dec.wa.gov.au).

Special attention on this expedition was paid to sampling the numerous patches of monsoon (rainforest) that occur on islands and below sheltered sandstone and basalt escarpments along the Kimberley coast. Information gathered was incorporated into the study of Kimberley rainforests conducted

as part of the National Rainforest Program and published in *Kimberley Rainforests of Australia* (McKenzie *et al.* 1991). Similarly, specimen collections and distribution data were used in preparing the *Flora of the Kimberley Region* (Wheeler *et al.* 1992).

The conservation status of Kimberley islands and coastal areas was assessed and information from this expedition was incorporated in the publication *Nature Conservation Reserves in the Kimberley* (Burbidge *et al.* 1991).

Because of time constraints at the localities visited, lists of plant species were made to supplement pressed specimens collected for the Western Australian Herbarium. Dried plant specimens, wet collections (specimens preserved in 70% alcohol) and fruiting material was collected. A comprehensive photographic collection was also made of vegetation communities and individual plant specimens.

The presence on the expedition of traditional owners Donald Langgi and Neville Morlumbun

provided a unique opportunity to record the Aboriginal (Worrorra) names for some of the plants, animals, items and natural features encountered along the Kimberley coast (see Elliott this publication). I am extremely grateful to both of these men for their willingness and the patience they displayed in conveying plant names to this amateur linguist. These names are listed in Table 1.

A list of the plants collected on

the Expedition is listed in Table 2. A number of species were poorly collected prior to this expedition and some are still undescribed. Of interest was a eucalypt collected from Storr Island that was deemed by specialists at the Royal Botanic Gardens and National Herbarium, Sydney to represent an undescribed species. The species was named *Eucalyptus kenneallyi* and has subsequently been recorded from Koolan Island.

Table 1. Aboriginal words provided by Donald Langgi and Neville Morlumbun on Camden Harbour 1990 Expedition.

Mungooroo = Black bream and yellow-tailed bream (fish)
Bulingulinga = Long tom (fish)
Mulgiba = Blue bone (fish)
Nilinjiji = Landing site where old plough was
Charwarda = Name of Mt Lookover
Arndarndulea = Camp site
Yella = <i>Cochlospermum fraseri</i> (Kapok Tree)
Koolguliarr = Moon (Wooroora)
Gungy = Moon (Naryan)
Nadjiaar = Milky Way (Bronzewing Pigeon took black plume off Emu (Worrawang) and made Milky Way.
Munjiwada = Black plume of Emu
Warrlanda = Flies
Karlarma = Red glow in sky
Yarmarndim = Mt Trevor
Gurungooroo = Tide
Boolbar = Raft/canoe
Mulullay = Falling star
Begular = Mangrove worm (edible)
Inay = Green ant
Nurumbol = <i>Mimusops elengi</i> (plant with edible fruit)
Jewibung = Bower bird
Booranda = Paper wasp
Woolowoola = <i>Abrus precatorius</i> (Crab's Eye Bean – toxic seed)
Gurungurod = Tide

Table 2. Botanical Specimens Collected on the 1990 Camden Harbour Expedition (list arranged alphabetically by genus)

Abutilon indicum var. *australiense* Britten (Malvaceae)

Coll.: K.F. Kenneally 11019 Date: 08 07 1990 (PERTH 1209981)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Shrub to 1.5 m; flowers golden yellow. In groves on NE side of island and used by Red-footed Booby for nesting. Native bee feeding on flowers.

Acacia ? *gardneri* (Fabaceae)

Coll.: K.F. Kenneally 11072 Date: 16 07 1990 (PERTH 1212109)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Shrub to 2.5 m, branches not pruinose. In sandstone beside creek.

Acacia retinervis Benth. (Fabaceae)

Coll.: K.F. Kenneally 11074 Date: 16 07 1990 (PERTH 1212125)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Tree to 4 m. On sandstone.

Alphitonia incana (Roxb.) Kurz (Rhamnaceae)

Coll.: K.F. Kenneally 11071 Date: 16 07 1990 (PERTH 1212095)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Tree to 10 m; leaves discolorous. Beside creek in gallery forest.

Previous det.: *Alphitonia excelsa* (Fenzl) Reissek ex Benth.

Amaranthus pallidiflorus F.Muell. (Amaranthaceae)

Coll.: K.F. Kenneally 11084 Date: 18 07 1990 (PERTH 1212648)

LOCALITY Bird Island, 14 km W of Raft Point, NW Kimberley Coast WA

LAT 16 Deg 3 Min Sec S LONG 124 Deg 18 Min Sec E

Sub-shrub to 0.5 m. Common on NE end of island.

Amaranthus pallidiflorus F.Muell. (Amaranthaceae)

Coll.: K.F. Kenneally 11021 Date: 08 07 1990 (PERTH 1210017)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Shrub to 0.5 m; leaves dark green. Common on island.

Amyema sanguinea var. *sanguinea* (F.Muell.) Danser (Loranthaceae)

Coll.: K.F. Kenneally 11043 Date: 11 07 1990 (PERTH 1210602)

LOCALITY Augustus Island, N of Brecknock Harbour and in Camden Sound, NW Kimberley Coast WA

LAT 15 Deg 24 Min Sec S LONG 124 Deg 37 Min Sec E

Hemi-parasite on *Eucalyptus miniata*. On edge of rainforest.

Avicennia marina (Forssk.) Vierh. (Acanthaceae)

Coll.: K.F. Kenneally 11089 Date: 18 07 1990 (PERTH 1212699)

LOCALITY Bird Island, 14 km W of Raft Point, NW Kimberley Coast WA
LAT 16 Deg 3 Min Sec S LONG 124 Deg 18 Min Sec E
Shrub to 1.5 m. Only this one plant on island.

Blechnum orientale L. (Blechnaceae)

Coll.: K.F. Kenneally 11040 Date: 11 07 1990 (PERTH 1210572)

LOCALITY Augustus Island, N of Brecknock Harbour and in Camden Sound, NW Kimberley Coast WA

LAT 15 Deg 24 Min Sec S LONG 124 Deg 37 Min Sec E

Fern forming dense banks on seepage area of creek under and beside rainforest on basalt rock, on S coast of island.

Boerhavia dominii Meikle & Hewson (Nyctaginaceae)

Coll.: K.F. Kenneally 11024 Date: 08 07 1990 (PERTH 1210041)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Scrambler with flowers purple. Scattered throughout island, common near automatic weather station.

Canavalia rosea (Sw.) DC. (Fabaceae)

Coll.: K.F. Kenneally 11086 Date: 18 07 1990 (PERTH 1212664)

LOCALITY Bird Island, 14 km W of Raft Point, NW Kimberley Coast WA

LAT 16 Deg 3 Min Sec S LONG 124 Deg 18 Min Sec E

Creeper with flowers pink. Common on island.

Capparis quiniflora DC. (Capparaceae)

Coll.: K.F. Kenneally 11078 Date: 17 07 1990 (PERTH 1212176)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Common vine; flowers white. In vine thicket.

Cassytha capillaris Meisn. (Lauraceae)

Coll.: K.F. Kenneally 11047 Date: 14 07 1990 (PERTH 1211056)

LOCALITY Slate Island, 14 km WSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 32 Min Sec S LONG 124 Deg 24 Min Sec E

Hemi-parasite; stems orange; flowers white; fruits pink. Amongst *Triodia* and *Acacia translucens* on sandstone.

Caulerpa lentillifera J.Agardh (Caulerpaceae)

Coll.: K.F. Kenneally 11029 Date: 08 07 1990 (PERTH 01210491)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Green alga on sandy fringing reef at low tide.

Caulerpa sertularioides (S.G.Gmel.) M.Howe (Caulerpaceae)

Coll.: K.F. Kenneally 11028 Date: 08 07 1990 (PERTH 01210483)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Green alga on sandy fringing reef at low tide.

Table 2 (cont.)

Caulerpa sp. (Caulerpaceae)

Coll.: K.F. Kenneally 11061 Date: 15 07 1990 (PERTH 01211587)

LOCALITY Montgomery Reef, 20 km NW of Raft Point, NW Kimberley Coast WA

LAT 15 Deg 59 Min Sec S LONG 124 Deg 17 Min Sec E

Green alga in sandy patches on reef.

Caulerpa taxifolia var. *falcifolia* (Harv. & J.W.Bailey) W.R.Taylor (Caulerpaceae)

Coll.: K.F. Kenneally 11027 Date: 08 07 1990 (PERTH 01210084)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Green alga in sandy patches of fringing reef at low tide.

Clerodendrum floribundum R.Br. (Lamiaceae)

Coll.: K.F. Kenneally 11075 Date: 17 07 1990 (PERTH 1212133)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Small tree to 3 m, bark pale, slightly corky, flowers white. In vine thicket below sandstone cliff of island.

Clitoria ternatea L. (Fabaceae)

Coll.: K.F. Kenneally 11041 Date: 11 07 1990 (PERTH 1210580)

LOCALITY Augustus Island, N of Brecknock Harbour and in Camden Sound, NW Kimberley Coast WA

LAT 15 Deg 24 Min Sec S LONG 124 Deg 37 Min Sec E

Twining vine, flowers blue, pods pale green becoming straw coloured. On edge of riparian forest fringing creek.

Codium sp. (Codiaceae)

Coll.: K.F. Kenneally 11031 Date: 08 07 1990 (PERTH 01210513)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 29 Min 53.000 Sec S LONG 123 Deg 9 Min 6.000 Sec E

Green alga on sandy fringing reef at low tide.

Corymbia cadophora subsp. *cadophora* K.D.Hill & L.A.S.Johnson (Myrtaceae)

Coll.: K.F. Kenneally 11100 Date: 18 07 1990 (PERTH 1213148)

LOCALITY Kingfisher Island, 33 km E of Koolan Island, Buccaneer Archipelago, W Kimberley Coast WA

LAT 16 Deg 8 Min Sec S LONG 124 Deg 4 Min 30.600 Sec E

Contorted tree to 5 m, bark fibrous. On slope of island.

Corymbia cadophora subsp. *cadophora* K.D.Hill & L.A.S.Johnson (Myrtaceae)

Coll.: K.F. Kenneally 11046 Date: 13 07 1990 (PERTH 1211048)

LOCALITY Camden Harbour Settlement, 11 km E of Kuri Bay, NW Kimberley Coast WA

LAT 15 Deg 30 Min Sec S LONG 124 Deg 37 Min Sec E

Tree to 6 m, often gnarled, bark brownish-grey, buds pink. In red clay soil over basalt near coast growing with *E. fitzgeraldii* and *E. confertiflora*.

Corymbia greeniana (D.J.Carr & S.G.M.Carr) K.D.Hill & L.A.S.Johnson (Myrtaceae)

Coll.: K.F. Kenneally 11045 Date: 13 07 1990 (PERTH 1214713)

LOCALITY Camden Harbour Settlement, 11 km E of Kuri Bay, NW Kimberley Coast WA

LAT 15 Deg 30 Min Sec S LONG 124 Deg 37 Min Sec E

Tree to 10 m, bark flaking grey to orange, becoming white, smooth on upper branches. In red clay soil over basalt on coast. Occurs with *E. fitzgeraldii*.

Crotalaria laburnifolia L subsp. *laburnifolia* ms (Fabaceae)

Coll.: K.F. Kenneally 11067 Date: 16 07 1990 (PERTH 1211641)

LOCALITY 'Vinnies Creek' above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Shrub to 0.5 m, flowers yellow. Common on sandstone after fire.

Cryptandra intratropica W.Fitzg. (Rhamnaceae)

Coll.: K.F. Kenneally 11054 Date: 14 07 1990 (PERTH 1214721)

LOCALITY Langi, 4 km S of Prior Point and 33 km SSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 45 Min 30.600 Sec S LONG 124 Deg 24 Min Sec E

Shrub to 0.5 m. Under *Eucalyptus miniata* in massive sandstone outcrops.

Cryptocarya cunninghamii Meisn. (Lauraceae)

Coll.: K.F. Kenneally 11079 Date: 17 07 1990 (PERTH 1212184)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Tree to 10 m, fruits green. In vine thicket on island.

Cynanchum carnosum (R.Br.) Schltr. (Asclepiadaceae)

Coll.: K.F. Kenneally 11087 Date: 18 07 1990 (PERTH 1212672)

LOCALITY Bird Island, 14 km W of Raft Point, NW Kimberley Coast WA

LAT 16 Deg 3 Min Sec S LONG 124 Deg 18 Min Sec E

Common creeper forming tangled masses over boulders.

Cyperus javanicus Hoult. (Cyperaceae)

Coll.: K.F. Kenneally 11026 Date: 08 07 1990 (PERTH 02180537)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Caespitose sedge in depression on island.

Cystophora sp. (Cystophoraceae)

Coll.: K.F. Kenneally 11033 Date: 08 07 1990 (PERTH 1187643)

LOCALITY Adele Island, 100 km N of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Brown alga on sandy fringing reef at low tide.

Dendrophthoe acacioides subsp. *acacioides* (Benth.) Tiegh. (Loranthaceae)

Coll.: K.F. Kenneally 11056 Date: 14 07 1990 (PERTH 1214748)

LOCALITY Langi, 4 km S of Prior Point and 33 km SSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 45 Min 30.600 Sec S LONG 124 Deg 24 Min Sec E

Hemiparasite on *Acacia*. Flowers reddish orange.

Table 2 (cont.)

Eucalyptus fitzgeraldii Blakely (Myrtaceae)

CONSERVATION STATUS:P2

Coll.: K.F. Kenneally 11044 Date: 13 07 1990 (PERTH 1211013)

LOCALITY Camden Harbour Settlement, 11 km E of Kuri Bay, NW Kimberley Coast WA

LAT 15 Deg 30 Min Sec S LONG 124 Deg 37 Min Sec E

Tree to 10 m, bark light grey, tessellated, leaves pale green turning pink at this time and shedding, flowers white. In red clay soil over basalt near coast.

Eucalyptus kenneallyi K.D.Hill & L.A.S.Johnson (Myrtaceae)

CONSERVATION STATUS:P1 TYPE STATUS: ISO

Coll.: K.F. Kenneally 11083 Date: 17 07 1990 (PERTH 1212621)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Tree to 8 m, branchlets slightly droopy, bark smooth, brownish.

On scree slope near top of King Leopold sandstone cliff.

Ficus atricha D.J.Dixon (Moraceae)

Coll.: K.F. Kenneally 11049 Date: 14 07 1990 (PERTH 1211072)

LOCALITY Slate Island, 14 km WSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 32 Min Sec S LONG 124 Deg 24 Min Sec E

Tree to 3 m growing in sandstone rock crevices.

Ficus brachypoda (Miq.) Miq. (Moraceae)

Coll.: K.F. Kenneally 11081 Date: 17 07 1990 (PERTH 1212206)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Dense small tree; fruits yellowish becoming red. In vine thicket on sandstone.

Ficus congesta var. *congesta* Roxb. (Moraceae)

Coll.: K.F. Kenneally 11073 Date: 16 07 1990 (PERTH 1212117)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Tree to 3 m, on edge of creek.

Previous det.: *Ficus hispida* var. *hispida* L.f.

Ficus subpuberula Corner (Moraceae)

Coll.: K.F. Kenneally 11058 Date: 14 07 1990 (PERTH 1211552)

LOCALITY Langi, 4 km S of Prior Point and 33 km SSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 45 Min 30.600 Sec S LONG 124 Deg 24 Min Sec E

Small tree to 4 m; fruits turning yellow. On sandstone ridge.

Ficus virens var. *virens* Aiton (Moraceae)

Coll.: K.F. Kenneally 11048 Date: 14 07 1990 (PERTH 1211064)

LOCALITY Slate Island, 14 km WSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 32 Min Sec S LONG 124 Deg 24 Min Sec E

Tree to 5 m, fruits white. In sandstone rock crevice.

Garuga floribunda var. *floribunda* Decne. (Burseraceae)

Coll.: K.F. Kenneally 11076 Date: 17 07 1990 (PERTH 1212141)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Tree to 10 m; leaves turning pinkish red and falling; fruits black. In vine thicket.

Genus sp. (Polyporaceae)

Coll.: K.F. Kenneally 11039 Date: 10 07 1990 (PERTH 06822118)

LOCALITY At Browne's Camp, 15 km E of Mount Lookover, Camden Harbour, Kimberley Coast WA

LAT 15 Deg 31 Min Sec S LONG 124 Deg 37 Min Sec E

Polypore. On dead mangrove tree.

Gomphrena leptoclada Benth. (Amaranthaceae)

Coll.: K.F. Kenneally 11038 Date: 10 07 1990 (PERTH 1210564)

LOCALITY Brownes Camp in Camden Harbour, NW Kimberley Coast WA

LAT 15 Deg 31 Min Sec S LONG 124 Deg 37 Min Sec E

Herb; flowers pink. On basalt of headland.

Halimeda sp. (Halimedaceae)

Coll.: K.F. Kenneally 11030 Date: 08 07 1990 (PERTH 01210505)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Brown alga on sandy fringing reef at low tide.

Hibiscus meraukensis Hochr. (Malvaceae)

Coll.: K.F. Kenneally 11066 Date: 16 07 1990 (PERTH 1211633)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Spindly sub-shrub to 2.5 m; flowers pink. Growing in sandstone crevices.

Hypnea sp. (Gigartinales)

Coll.: K.F. Kenneally 11035 Date: 08 07 1990 (PERTH 1187627)

LOCALITY Adele Island, 100 km N of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Red alga on sandy fringing reef at low tide.

Ipomoea macrantha Roem. & Schult. (Convolvulaceae)

Coll.: K.F. Kenneally s.n. Date: 18 07 1990 (PERTH 1212702)

LOCALITY Bird Island, 14 km W of Raft Point, NW Kimberley Coast WA

LAT 16 Deg 3 Min Sec S LONG 124 Deg 18 Min Sec E

Creeper on island, regenerating.

Ipomoea macrantha Roem. & Schult. (Convolvulaceae)

Coll.: K.F. Kenneally 11023 Date: 08 07 1990 (PERTH 1210033)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Scrambler to 1.5 m; flowers white. In centre of island.

Table 2 (cont.)

Jasminum didymum subsp. *didymum* G.Forst. (Oleaceae)

Coll.: K.F. Kenneally 11080 Date: 17 07 1990 (PERTH 1212192)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Vine, fruits green. Common in vine thicket on island.

Laurencia sp. (Rhodomelaceae)

Coll.: K.F. Kenneally 11034 Date: 08 07 1990 (PERTH 1187635)

LOCALITY Adele Island, 100 km N of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Red alga on sandy fringing reef at low tide.

Lemna aequinoctialis Welw. (Araceae)

Coll.: K.F. Kenneally 11068 Date: 16 07 1990 (PERTH 1211668)

LOCALITY "Vinnies Creek" above waterfall off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Floating aquatic. On seepage area flowing out from under cave adjacent to plunge pool.

Limnophila sp. (Plantaginaceae)

Coll.: K.F. Kenneally 11065 Date: 16 07 1990 (PERTH 1211625)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Submerged aquatic in creek above falls.

Morinda citrifolia L. (Rubiaceae)

Coll.: K.F. Kenneally 11050 Date: 14 07 1990 (PERTH 1211080)

LOCALITY Slate Island, 14 km WSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 32 Min Sec S LONG 124 Deg 24 Min Sec E

Tree to 3 m; flowers white. In sand adjacent to sandstone outcrops on island.

Morinda jasminoides Hook. (Rubiaceae)

Coll.: K.F. Kenneally 11077 Date: 17 07 1990 (PERTH 1212168)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Vine climbing into canopies of vine thicket trees on island.

Nymphoides indica (L.) Kuntze (Menyanthaceae)

Coll.: K.F. Kenneally 11063 Date: 16 07 1990 (PERTH 1211609)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Emergent aquatic; leaves maroon below; flowers white. In creek.

Nymphoides minima (F.Muell.) Kuntze (Menyanthaceae)

Coll.: K.F. Kenneally 11064 Date: 16 07 1990 (PERTH 1211617)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone

Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Emergent aquatic; leaves green, rugose beneath; flowers white. In creek.

Opilia amentacea Roxb. (Opiliaceae)

Coll.: K.F. Kenneally 11082 Date: 17 07 1990 (PERTH 1212605)

LOCALITY Storr Island between Doubtful Bay and George Water, Kimberley Coast WA

LAT 15 Deg 56 Min Sec S LONG 124 Deg 34 Min Sec E

Climbing vine; flowers greenish. Common in vine thicket.

Osbeckia australiana Naudin (Melastomataceae)

Coll.: K.F. Kenneally 11070 Date: 16 07 1990 (PERTH 1212087)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Dense shrub to 1.5 m; flowers mauve-pink. In sandstone beside creek.

Padina sp. (Dictyotaceae)

Coll.: K.F. Kenneally 11032 Date: 08 07 1990 (PERTH 1210548)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Brown alga on sandy fringing reef at low tide.

Planchonella arnhemica (Benth.) P.Royen (Sapotaceae)

Coll.: K.F. Kenneally 11057 Date: 14 07 1990 (PERTH 1211137)

LOCALITY Langi, 4 km S of Prior Point and 33 km SSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 45 Min 30.600 Sec S LONG 124 Deg 24 Min Sec E

Tree to 7 m; bark tessellated; leaves pendulous. On edge of sandstone.

Plectranthus scutellarioides (L.) R.Br. (Lamiaceae)

Coll.: K.F. Kenneally 11069 Date: 16 07 1990 (PERTH 1211676)

LOCALITY "Vinnies Creek" above falls off Doubtful Bay, 10 km E of Red Cone Hill, Kimberley Coast WA

LAT 16 Deg 6 Min Sec S LONG 124 Deg 41 Min Sec E

Erect herb; flowers pale mauve. On sandstone beside creek.

Polycarpaea involucrata F.Muell. (Caryophyllaceae)

Coll.: K.F. Kenneally 11060 Date: 14 07 1990 (PERTH 1211579)

LOCALITY Langi, 4 km S of Prior Point and 33 km SSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 45 Min 30.600 Sec S LONG 124 Deg 24 Min Sec E

Herb; flowers white. In sand over sandstone.

Portulaca sp. (Portulacaceae)

Coll.: K.F. Kenneally 11025 Date: 08 07 1990 (PERTH 1210068)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Fleshy herb; flowers orange. Common on scald patches on island.

Table 2 (cont.)

Pterocaulon sphacelatum (Labill.) F.Muell. (Asteraceae)

Coll.: K.F. Kenneally 11055 Date: 14 07 1990 (PERTH 1211129)

LOCALITY Langi, 4 km S of Prior Point and 33 km SSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 45 Min 30.600 Sec S LONG 124 Deg 24 Min Sec E

Sub-shrub to 0.5 m; flowers white.

Ptilotus exaltatus var. *exaltatus* Nees (Amaranthaceae)

Coll.: K.F. Kenneally 11098 Date: 18 07 1990 (PERTH 1212729)

LOCALITY Kingfisher Island, 33 km E of Koolan Island, Buccaneer Archipelago, W Kimberley Coast WA

LAT 16 Deg 8 Min Sec S LONG 124 Deg 4 Min 30.600 Sec E

Erect sub-shrub to 0.5 m. Behind beach on island.

Ramalina subfraxinea var. *subfraxinea* Nyl. (Ramalinaceae)

Coll.: K.F. Kenneally 11036 Date: 10 07 1990 (PERTH 01210521)

LOCALITY Camden Harbour, NW Kimberley Coast WA

LAT 15 Deg 31 Min 30.600 Sec S LONG 126 Deg 37 Min 30.600 Sec E

Lichen on branches of *Ceriops tagal* and *Excoecaria agallocha* in mangal.

Salsola tragus L. (Chenopodiaceae)

Coll.: K.F. Kenneally 11085 Date: 18 07 1990 (PERTH 1212656)

LOCALITY Bird Island, 14 km W of Raft Point, NW Kimberley Coast WA

LAT 16 Deg 3 Min Sec S LONG 124 Deg 18 Min Sec E

Dense shrub to 1 m. Common on island.

Scaevola taccada (Gaertn.) Roxb. (Goodeniaceae)

Coll.: K.F. Kenneally 11051 Date: 14 07 1990 (PERTH 1211099)

LOCALITY Slate Island, 14 km WSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 32 Min Sec S LONG 124 Deg 24 Min Sec E

Dense shrub to 2.5 m; leaves glossy green; flowers white. Behind beach.

Sesuvium portulacastrum (L.) L. (Aizoaceae)

Coll.: K.F. Kenneally 11022 Date: 08 07 1990 (PERTH 1210025)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 30 Min Sec S LONG 123 Deg 9 Min Sec E

Shrub forming dense groves along tidal channels.

Sida sp.A Kimberley Flora (P.A. Fryxell & L.A. Craven 3900) (Malvaceae)

Coll.: K.F. Kenneally 11053 Date: 14 07 1990 (PERTH 1211110)

LOCALITY Langi, 4 km S of Prior Point and 33 km SSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 45 Min 30.600 Sec S LONG 124 Deg 24 Min Sec E

Sub-shrub; flowers yellow. Growing amongst *Triodia* in Pentecost Sandstone.

Solanum heteropodium Symon (Solanaceae)

Coll.: K.F. Kenneally 11052 Date: 14 07 1990 (PERTH 1211102)

LOCALITY Slate Island, 14 km WSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 32 Min Sec S LONG 124 Deg 24 Min Sec E

Straggly shrub; flowers blue. In sandstone.

Sorghum amplum Lazarides (Poaceae)

Coll.: K.F. Kenneally 11042 Date: 11 07 1990 (PERTH 1210599)

LOCALITY Augustus Island, N of Brecknock Harbour and in Camden Sound, NW Kimberley Coast WA

LAT 15 Deg 24 Min Sec S LONG 124 Deg 37 Min Sec E

Short-lived perennial on edge of rainforest.

Sporobolus virginicus (L.) Kunth (Poaceae)

Coll.: K.F. Kenneally 11088 Date: 18 07 1990 (PERTH 01212680)

LOCALITY Bird Island, 14 km W of Raft Point, NW Kimberley Coast WA

LAT 16 Deg 4 Min Sec S LONG 124 Deg 27 Min Sec E

Grass forming a patch in a small sandy depression on island.

Sporobolus virginicus (L.) Kunth (Poaceae)

Coll.: K.F. Kenneally 11020 Date: 08 07 1990 (PERTH 01210009)

LOCALITY Adele Island, 100 km NNE of Cape Leveque in Indian Ocean WA

LAT 15 Deg 31 Min Sec S LONG 123 Deg 9 Min Sec E

Caespitose grass extremely common over entire island.

Terminalia latipes Benth. (Combretaceae)

Coll.: K.F. Kenneally 11059 Date: 14 07 1990 (PERTH 1211560)

LOCALITY Langi, 4 km S of Prior Point and 33 km SSW of Kuri Bay, Kimberley Coast WA

LAT 15 Deg 45 Min 30.600 Sec S LONG 124 Deg 24 Min Sec E

Tree to 7 m; leaves pale green. Common on sandstone.

Thalassia hemprichii (Ehrenb.) Asch. (Hydrocharitaceae)

Coll.: K.F. Kenneally 11062 Date: 15 07 1990 (PERTH 1211595)

LOCALITY Montgomery Reef, 20 km NW of Raft Point, NW Kimberley Coast WA

LAT 15 Deg 59 Min Sec S LONG 124 Deg 17 Min Sec E

Rhizomatous sea grass in sandy patches on coral reef.

Trachymene didiscoides (F.Muell.) B.L.Burtt (Araliaceae)

Coll.: K.F. Kenneally 11097 Date: 18 07 1990 (PERTH 1212710)

LOCALITY Kingfisher Island, 33 km E of Koolan Island, Buccaneer Archipelago, W Kimberley Coast WA

LAT 16 Deg 8 Min Sec S LONG 124 Deg 4 Min 30.600 Sec E

Erect sub-shrub to 0.5 m; flowers yellowish green. In sand over sandstone in burnt area of island.

Triodia bynoei (C.E.Hubb.) Lazarides (Poaceae)

Coll.: K.F. Kenneally 11099 Date: 18 07 1990 (PERTH 1213121)

LOCALITY Kingfisher Island, 33 km E of Koolan Island, Buccaneer Archipelago, W Kimberley Coast WA

LAT 16 Deg 8 Min Sec S LONG 124 Deg 4 Min 30.600 Sec E

Common hummock grass under *Eucalyptus miniata* with *Acacia tumida* understory

Xylocarpus moluccensis (Lam.) M.Roem. (Meliaceae)

Coll.: K.F. Kenneally 11037 Date: 10 07 1990 (PERTH 1210556)

LOCALITY Brownes Camp in Camden Harbour, NW Kimberley Coast WA

LAT 15 Deg 31 Min Sec S LONG 124 Deg 37 Min Sec E

Tree to 10 m; bark tessellated, flakes often curling; flowers white. On edge of mangal.

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REFERENCES

- BURBIDGE, AA, MCKENZIE, NL and KENNEALLY, KF (1991) *Nature Conservation Reserves in the Kimberley*. Department of Conservation and Land Management, Western Australia.
- McKENZIE, NL, JOHNSTON, RB and KENDRICK, PG (eds) (1991) *Kimberley Rainforests of Australia*. Surrey Beatty and Sons, Chipping Norton, NSW.
- WHEELER, JR (ed), Rye, BL, KOCH, BL and WILSON, JG (1992) *Flora of the Kimberley Region*. Department of Conservation and Land Management, Western Australia.



Kenneally, Kevin F. 2011. "The 1990 expedition to Camden Harbour, north-west Kimberley: Part 6 – botany." *The Western Australian Naturalist* 27(4), 278–290.

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