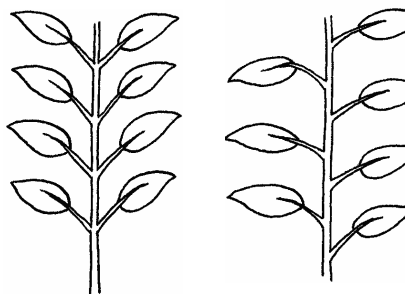


1 - leaves opposite

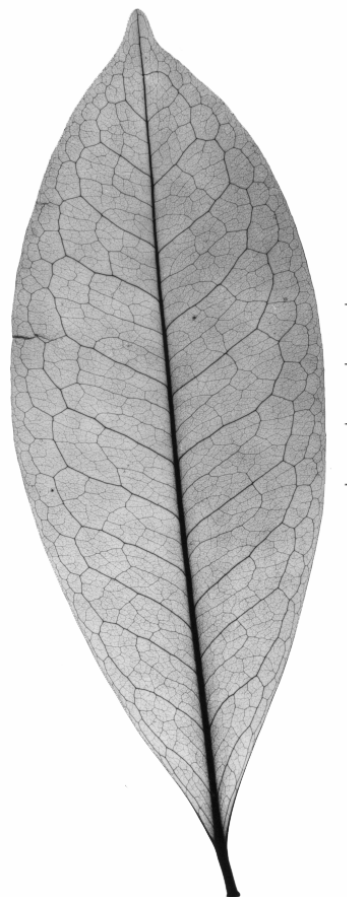
1* - leaves alternate



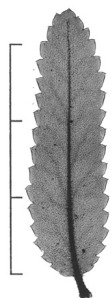
2 - *Hyptis suaveolens*



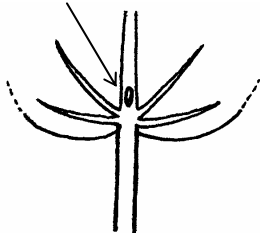
3 - *Carallia brachiata*



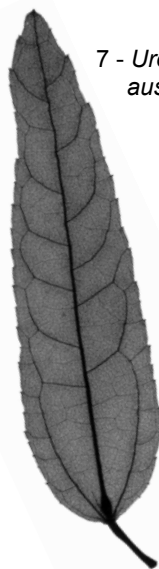
Gonocarpus leptothecus



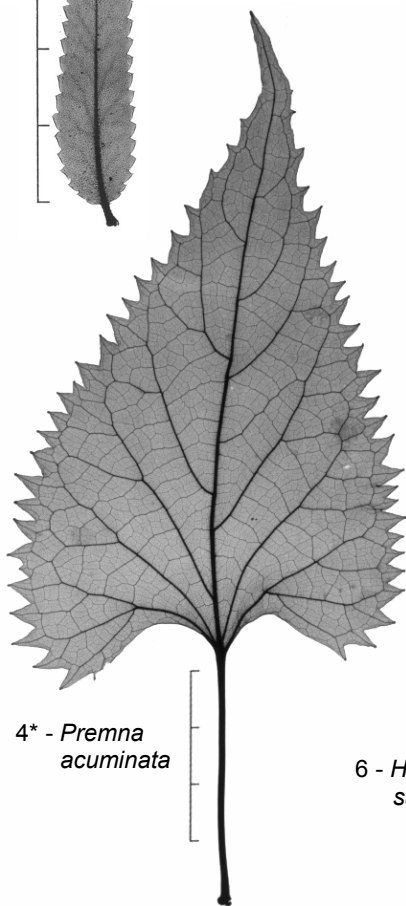
5 - gl



7 - *Urena australiensis*



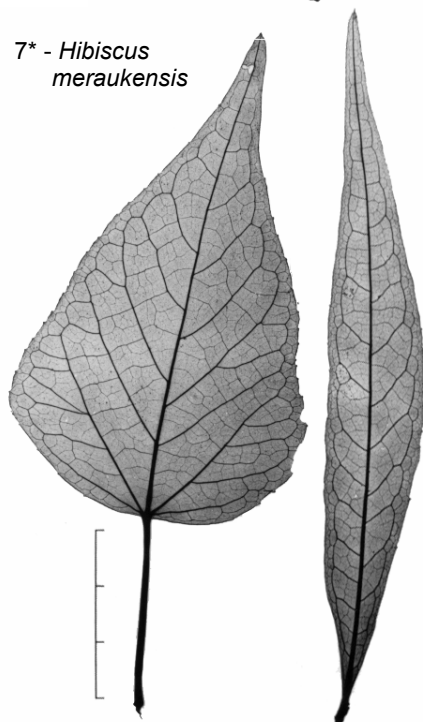
4* - *Premna acuminata*



6 - *Hibiscus sabdariffa*

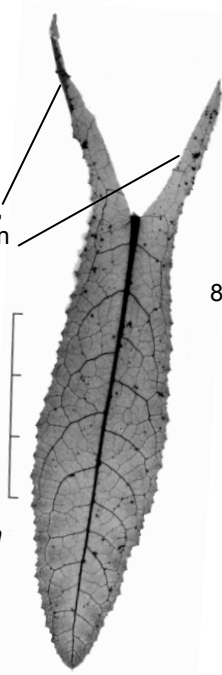


7* - *Hibiscus meraukensis*



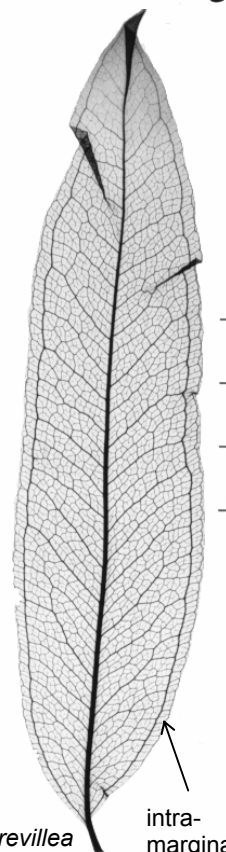
decurrent base, the inner margin attached to the stem

9 - *Pterocaulon sphaecelatum*



8 - *Grevillea goodii*

intra-marginal vein



GROUP I

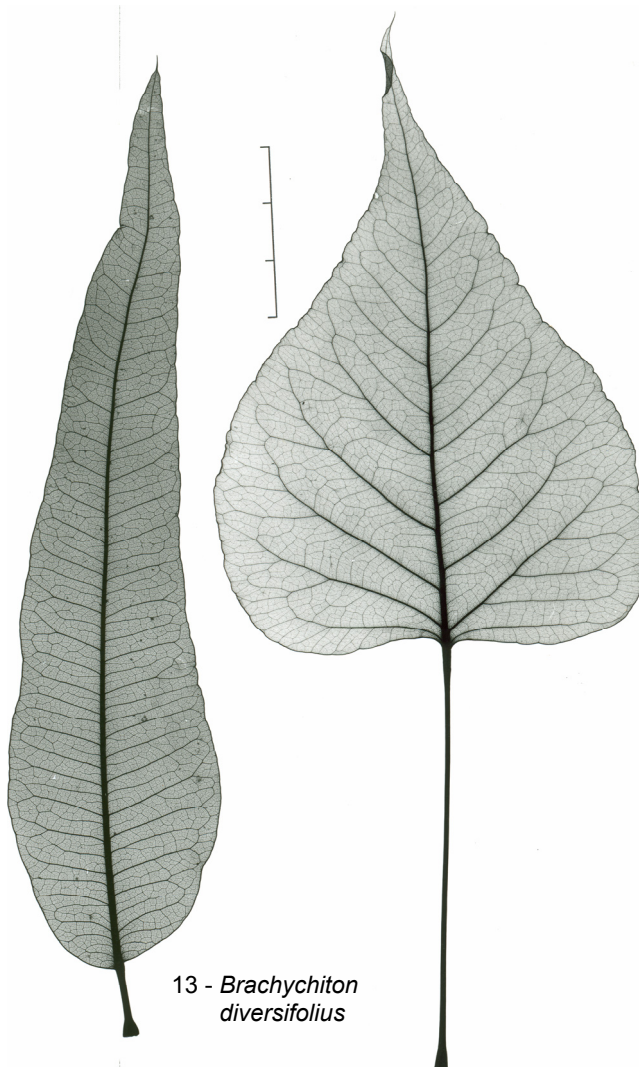
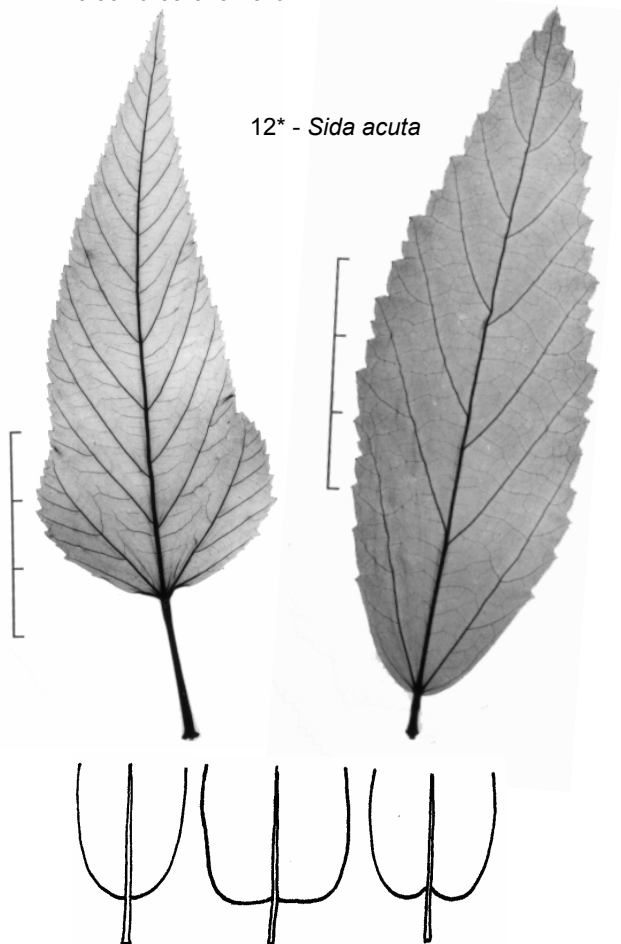
Tree or shrub, no prickles, leaves simple, > 2 mm wide, no sap exudate, venation not parallel, leaf shape simple, margins scalloped or toothed

NB Species names preceded by an ‘*’ and underlined are declared class B weeds under the *NT Weeds Management Act 2001* and any infestations should be reported to environmental staff at Kakadu NP, *eriss* or the Ranger Mine. Species names preceded by a ‘*’ and not underlined are naturalised weeds.

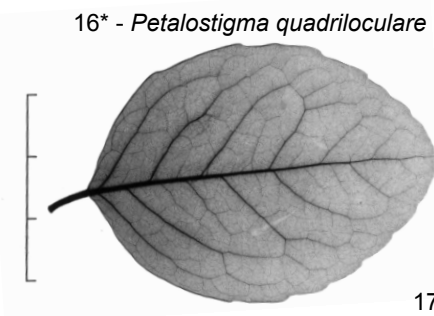
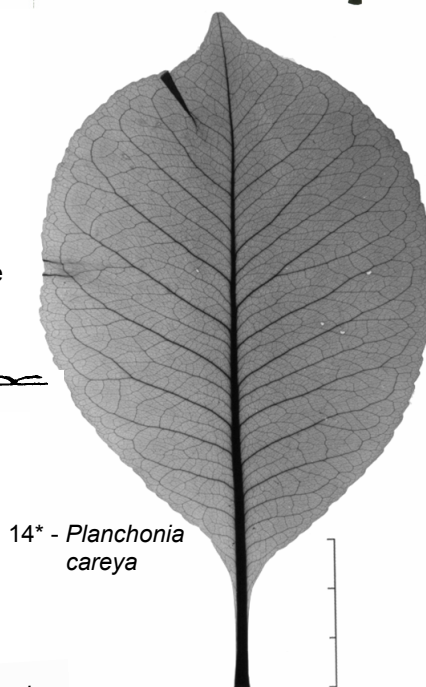
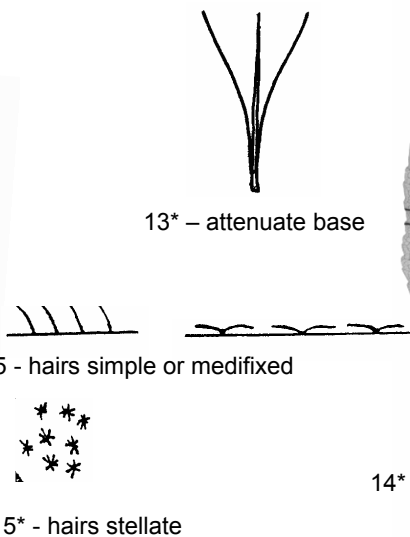
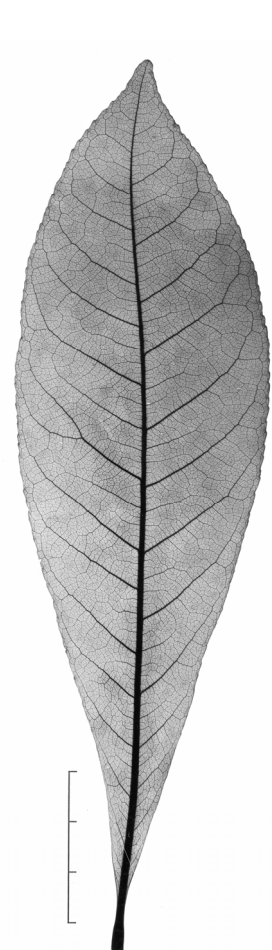
1 - Leaves opposite [3.3.8e]	2
1* - Leaves alternate [3.3.8a-d]	5
2 - Leaves highly aromatic [3.3.13]	* <u>Hyptis suaveolens</u> [Hyptis]
2* - Leaves not aromatic	3
3 - Blades not hairy	<i>Carallia brachiata</i> [Billabong Tree]
3* - Blades hairy	4
4 - Leaves < 15 mm wide; lateral veins and fine veins obscure [3.3.9c,d,m]	<i>Gonocarpus leptothecus</i>
4* - Leaves > 40 mm wide; lateral veins and fine veins not obscure	<i>Premna acuminata</i>
5 - Leaves with a primary vein gland (gl) [3.3.14d]	6
5* - Leaves without a primary vein gland	8
6 - Branchlets deep red; petioles [3.3.7] usually partly red	* <i>Hibiscus sabdariffa</i> [Rosella]
6* - Branchlets and petioles not red	7
7 - Bark at base with raised (whitish) lenticels [3.3.4h]	<i>Urena australiensis</i>
7* - Bark at base without lenticels	<i>Hibiscus meraukensis</i> [Merauke Hibiscus]
8 - Leaves with an intra-marginal vein [3.3.9j]; a prostrate [3.3.3a] shrub	<i>Grevillea goodii</i> [Prostrate Grevillea]
8* - Leaves without an intra-marginal vein; plants erect	9
9 - Leaves aromatic [3.3.13]; leaf base decurrent [3.3.11d]	<i>Pterocaulon sphaecelatum</i>
9* - Leaves not aromatic; leaf base not decurrent	10

GROUP I

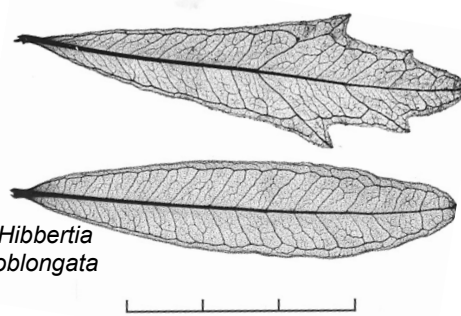
12 - *Melochia corchorifolia*



13 - leaf base obtuse, truncate or shallow cordate



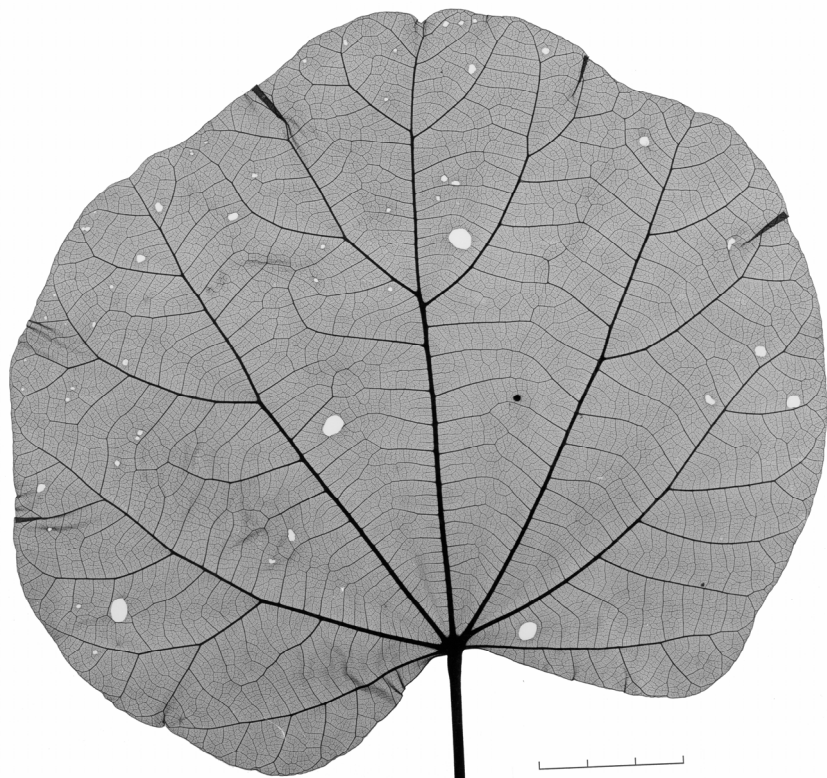
60



14 - *Barringtonia acutangula*

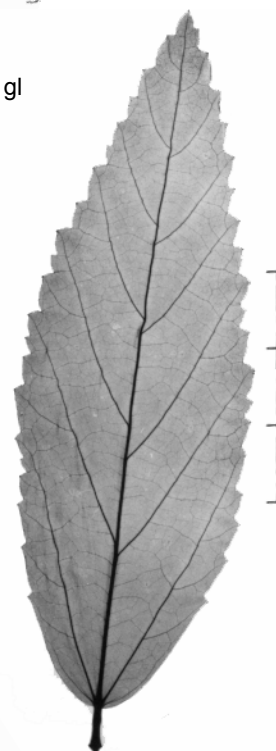
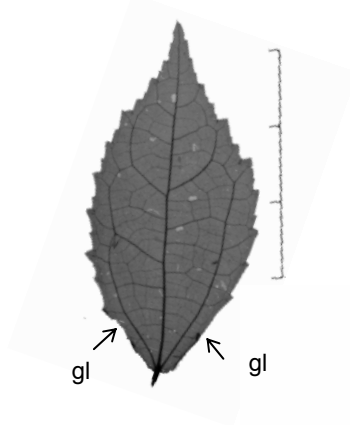
16 - *Jacksonia dilatata*

10 - Undersurface of leaves not hairy.....	11
10* - Undersurface of leaves hairy.....	15
11 - Annual shrubs, petiole [3.3.7] <i>or</i> twigs [3.3.2f] with at least a few scattered hairs.....	12
11* - Perennial shrubs or trees; petiole and twigs not hairy	13
12 - Petiole grooved [3.3.7c].....	<i>Melochia corchorifolia</i>
12* - Petiole not grooved	* <i>Sida acuta</i> [Spiny-head Sida]
13 - Leaves widest in the basal half [3.3.6a]; leaf base obtuse [3.3.11b] <i>or</i> truncate [3.3.11b] <i>or</i> shallow cordate [3.3.11c]	<i>Brachychiton diversifolius</i> [Northern Kurrajong]
13* - Blades widest in the middle or in the distal half [3.3.6b]; leaf base attenuate [3.3.11b].....	14
14 - Most blades > 3 times longer than wide; basal end of petiole [3.3.7a] often flushed red or pink.....	<i>Barringtonia acutangula</i> [Freshwater Mangrove]
14* - Blades < 3 times longer than wide; petiole pale green, never flushed red	<i>Planchonia careya</i> [Cocky Apple]
15 - Hairs on twigs and leaves simple [3.3.16b] <i>or</i> medifixed [3.3.16d], no stellate hairs [3.3.16c].....	16
15* - Hairs on twigs and leaves all stellate <i>or</i> a mixture of stellate and simple.....	17
16 - Blades concolourous [3.3.6c]; > 4 times longer than wide; some lateral veins [3.3.9c] clearly intersect the margin; a shrub to 2.5m tall	<i>Jacksonia dilatata</i> [Cladode Pea]
16* - Blades discolourous [3.3.6d]; < 3 times longer than wide; all lateral veins disintegrate before reaching the margin; a shrub < 1m tall	<i>Petalostigma quadriloculare</i> [Quinine Bush]
17 - Blades with < 5-teeth per side.....	<i>Hibbertia oblongata</i>
17* - Blades with > 10-teeth per side.....	18

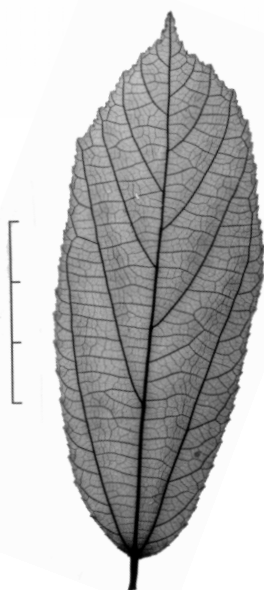


18 - *Brachychiton megaphyllus*

19 - *Triumfetta pentandra*

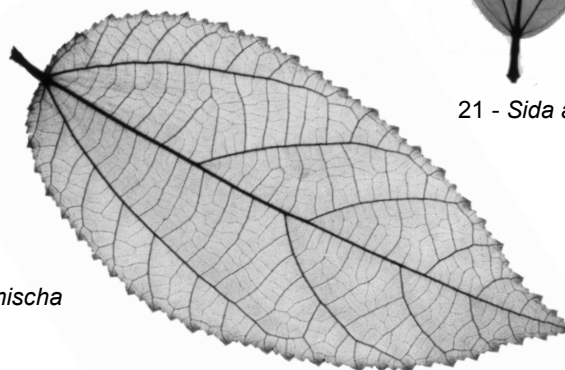


21 - *Sida acuta*



22 - *Grewia retusifolia*

22*, 23 - *Grewia mesomischa*



24 - *Waltheria indica*

24* - *Sida cordifolia*



18 - Small trees; leaves large to very large with petioles [3.3.7] often > 90 mm long, blades > 150 mm long, twigs [3.3.2f] typically > 5 mm diameter	<i>Brachychiton megaphyllus</i> [Red-flowered Kurrajong]
18* - Annual shrubs; petioles mostly < 50 mm, blades < 120 mm long, twigs < 2.5 mm diameter	19
19 - Margin teeth near the base of the blade tipped with small flattened circular glands (gl)	* <i>Triumfetta pentandra</i>
19* - Teeth near the base of the blade not bearing glands	20
20 - Petioles on oldest leaves < 12 mm long	21
20* - Petioles on oldest leaves > 12 mm long	23
21 - Plants single-stemmed from the base; undersurface of leaves with scattered hairs; fine veins [3.3.9d] not raised on the undersurface	* <i>Sida acuta</i> [Spiny-head Sida]
21* - Plants several-stemmed from the base; undersurface of leaves moderately to densely hairy; fine veins raised on the undersurface	22
22 - Undersurface of leaves almost white	<i>Grewia retusifolia</i> [Emu Berries]
22* - Undersurface of leaves not whitish	<i>Grewia mesomischa</i>
23 - Plant several-stemmed from the base; leaves not having a soft velvety texture	<i>Grewia mesomischa</i>
23* - Plants single-stemmed from the base; leaves with a somewhat soft velvety texture	24
24 - Flowers bright yellow, ≈ 5 mm diameter	<i>Waltheria indica</i>
24* - Flowers pale yellow to orange, ≈ 15 mm diameter	* <i>Sida cordifolia</i> [Flannel Weed]