

Hybrids with *C. maculata* (section *Politaria*) are known from southern coastal New South Wales, and were named *E. nowraensis* Maiden (see excluded names and Appendix 1). Reputed hybrids with *C. intermedia* have been reported (Clifford 1972) but we have seen no specimens or trees showing hybrid characters; these species have been confused by observers, though their differences are clear.

Conservation status: Widespread and locally abundant, this species is not considered to be at risk.

Selected specimens (from 186 examined): Queensland: Fraser Island, *Petrie* NSW 10131, 10134, July 1915, May 1915 (NSW); Mt Walsh, *Bean* 7, 17 Sep 1983 (NSW); 'Beeron' holding, 6 km WNW of 'Toondahra' homestead, *Bean* 1113 & *Forster*, 9 Sep 1989 (BRI, NSW); Crows Nest, *White*, Oct 1920 (BRI, NSW); 21.9 km N of Helidon on Ravensbourne road, *Hill* 3820 & *Stanberg*, 11 Aug 1990 (NSW, BRI, CANB); Chermshire Hills, *Blake* 21679, 22 Feb 1962 (BRI, NSW).

New South Wales: North Coast: Minyon Falls, *Constable* NSW 22210, 16 Jan 1953 (NSW); 8.7 km from Gwydir Highway near Grafton on Dalmorton road, *Hill* 4302, *Johnson & Noble*, 3 Nov 1992 (NSW, BRI, CANB); South West Rocks, *Johnson* 8439, 28 Jan 1979 (NSW); 2 miles [3.2 km] W of Karuah, *Johnson*, 12 Oct 1953 (NSW 300255). Central Coast: Avoca Reserve, c. 5 km S of Grose Vale post office, *Hind* 5629, 2 July 1988 (NSW); Bulls Camp, between Linden and Woodford, *Coveny* 4059 & *Bisby*, 24 Mar 1972 (NSW); Ku-ring-gai Chase, *Mair & Constable*, 2 Nov 1950 (NSW 16400); 5.1 km N of Menai turnoff on Heathcote road, *Coveny* 11162 & *Thomas*, 14 July 1982 (NSW, CANB, K, L, MO, RSA); above Jamberoo Pass, *Pullen* 4055, 14 Apr 1964 (CANB, NSW). South Coast: 2.1 km E of Princes Highway on Jervis Bay road, *Chippendale* 874 & *Beeston*, 26 Feb 1974 (CANB, NSW); Jigamy Creek, 6 miles [9.6 km] N of Eden, *Constable*, 11 June 1960 (NSW 53821). Northern Tablelands: Boonoo Boonoo Falls, *Blaxell* 1837, 25 Mar 1981 (NSW); Timbarra, c. 15 miles [24 km] ENE of Tenterfield, *Constable*, 11 May 1961 (NSW). Central Tablelands: Hazelbrook, *Constable*, 14 Mar 1949 (NSW 15720); Box Point to Barbers Creek, *Maiden*, Oct 1898 (NSW).

Victoria: Barracouta Lake, E of Mallacoota Inlet, *Willis*, 6 Nov 1969 (MEL, NSW).

4. ACIBBE *Corymbia haematoxylon* (Maiden) K.D. Hill & L.A.S. Johnson, **comb. nov.**

Basionym: *Eucalyptus haematoxylon* Maiden, J. & Proc. Roy. Soc. New South Wales 47: 218 (1913).

Type citation: 'Habitat. Happy Valley, Jarrahwood Railway, Western Australia. Generally in poor sandy country. Forest Ranger W. Donovan, July, 1912.'

Type: Western Australia: Happy Valley, Jarrahwood Railway, W. Donovan, July 1912 (holo NSW).

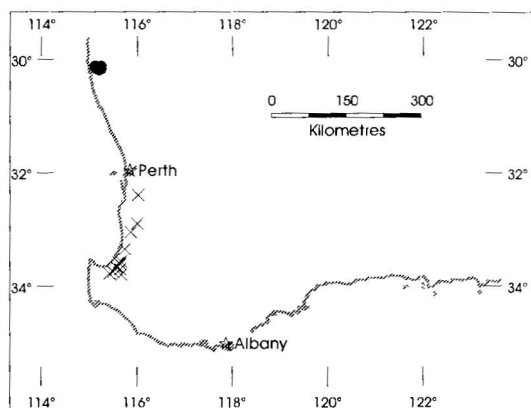


Fig. 23. Distribution of *C. haematoxylon* (cross), *C. chlorolampra* (circle).

Tree to 25 m. *Rhizomes* not recorded. *Bark* persistent except on fine branches <1–2 cm diam., finely fibrous, deeply tessellated, pale grey-brown to yellow-brown, yellow to bright orange on freshly broken surfaces. *Cotyledons* to 15 mm long, to 17 mm wide; *petioles* to 14 mm long. *Juvenile leaves* disjunct from about node 5, setose with bristle-glands, bristle-free from about node 8–10, ovate, peltate between about nodes 2 and 8, to 7 cm long, to 30 mm wide; *petioles* to 12 mm long. *Intermediate leaves* disjunct, bristle-free, slightly larger and broader than adult leaves, to 10 cm long, to 60 mm wide; *petioles* to 20 mm long. *Adult leaves* disjunct, discolorous, hypostomatic, dull, narrow-ovate to ovate, 7–12 cm long, 25–40 mm wide; *petioles* 10–24 mm long; *intramarginal vein* distinct, within 0.5 mm of leaf margin; *oil glands* small, regularly distributed. *Umbellasters* 7-flowered; *peduncles* 10–30 mm long; *pedicels* 10–18 mm long. *Mature buds* broadly clavate to pyriform, not scurfy, 7–10 mm long, 5–7 mm diam.; *calyptra* a small flattish disc comprising c. 1/8th of total bud length, narrower than hypanthium. *Fruits* ovoid-urceolate to globular, strongly apically constricted, 18–40 mm long, 12–20 mm diam.; 3-locular; *disc* c. 5 mm wide. *Seeds* cymbiform, with a narrow scarious flange on the dorsal keel, dull to semi-glossy, red-brown to brown, 8–12 mm long, 4–5 mm wide.

Flowering: Dec–Jan (also sporadically at other times in occasional trees).

Distinguished by the combination: bark persistent to smaller branches than in *C. gummifera*; adult leaves dorsiventral, somewhat dull; fruits large; seeds red-brown to brown with a distinct scarious flange.

Locally frequent, though the patches are sporadic, on and near the crest of the Darling Escarpment in south-western Western Australia, from near Keysbrook to east and slightly south-east of Busselton (Fig. 23). A component of forests of medium height on sandy soils over deep laterite or on massive laterite.

Hybrids with *C. calophylla* are said to occur, but we have seen no collections.

Conservation status: Although fairly localised, populations exist in managed forestry districts that are not considered to be under immediate threat.

Selected specimens (from 21 examined): Western Australia: Gobby road, near Keysbrook, Brooker 8024, 11 Mar 1983 (CANB, NSW, PERTH); Boyd River Road, 1.6 km E of South Coast Highway, Hill 671 & Johnson, 10 Nov 1983 (NSW); North Dardanup, Steedman, 28 Dec 1939 (NSW 26425); Williamson road, E of Busselton, Brooker 9802, 6 Nov 1987 (CANB, NSW, PERTH).

5. ACIBBL *Corymbia chlorolampra* K.D. Hill & L.A.S. Johnson, sp. nov.

C. haematoxylon affinis sed ab ea foliis adultis nitentibus, ovatis et valde acuminatis, differt.

Type: Western Australia: E foot of Mt Peron, (30°07'S, 115°08'E), M.I.H. Brooker 7994, 2 Mar 1983 (holo NSW; iso CANB, PERTH).

Small tree, several-stemmed, to 5 m. *Rhizomes* not recorded. *Bark* persistent to middle branches, finely fibrous, deeply tessellated, pale grey-brown to yellow-brown, yellow to bright orange on freshly broken surfaces. *Cotyledons* to 15 mm long, to 18 mm wide; *petioles* to 16 mm long. *Juvenile leaves* disjunct from about node 5, setose with bristle-glands, bristle-free from about node 8–10, ovate, peltate between about nodes 2 and 8, to 7 cm long, to 35 mm wide; *petioles* to 12 mm long. *Intermediate leaves* disjunct, bristle-free, slightly larger and broader than adult leaves, to 8 cm long, to 50 mm wide; *petioles* to 20 mm long. *Adult leaves* disjunct, discolorous, hypostomatic, glossy or semi-glossy, narrow-ovate to ovate, usually with a narrow, tapered 'drip-tip' (especially on shorter leaves), 4–10 cm long, 20–50 mm wide; *petioles* 9–26 mm long; *intramarginal vein* distinct, within 0.5 mm of leaf margin; *oil glands* small, regularly distributed. *Umbellasters* 7-flowered; *peduncles* 9–21 mm long;