Field Criteria.—Levees and higher alluvial plains, ironbark or box woodland and some carbeen, cypress pine understorey, deep sandy soils.

Median Rainfall.—Nov.-Apr.: 250-350 mm. May-Oct.: 150-220 mm.

Material.—Alluvial sand and silt.

Relief.—Levees, higher alluvial plains, terraces; generally not flooded; slopes 0·2-1%.

Position on Slope.—Upper slopes.

Soil.—Deep uniform sandy soils; mainly red, less commonly yellow or brown, Fa (Uc1.23, 5.11) and Fb (Uc1.21, 1.22); minor red massive earths, Ef (Gn2.12) and alluvial soils, Aa (Um5.5 on sand) and Ab (shallow Uml on sand and clay strata).

Vegetation.—Usually woodland of Eucalyptus melanophloia or of E. populnea with occasional E. populnea and Angophora melanoxylon with moderately dense lower tree layer of Callitris columellaris with scattered lower trees of Acacia excelsa or A. murrayana; occasionally open-forest of Callitris columellaris with occasional E. populnea, E. melanophloia, and E. tessellaris or open-woodland of E. tessellaris with occasional E. polycarpa with lower tree layer of Callitris columellaris; in all cases with ground cover (sparse in open-forest, open in woodland) of Aristida echinata, A. jerichoensis, A. browniana, Paspalidium constrictum, Digitaria ammophila, Cymbopogon refractus, and Heteropogon contortus. Callitris columellaris is often reduced by clearing and burning.

Land Capability.—IV or VIf, c3–6. No. of Observations.—18.
Field Criteria.—Alluvial plains, shrubby box-mulga woodland, massive earths.


Material.—Mixed alluvial sand, silt, and clay.

Relief.—Back plains.

Position on Slope.—No information.

Soil.—Massive earths: >90 cm deep; strongly alkaline reaction in subsoils, Ec (Gn2.13).

Vegetation.—Layered woodland of Eucalyptus populnea with lower tree layer of Acacia aneura; moderately dense shrub layer of Eremophila mitchellii; ground cover sparse Chloris acicularis and Aristida ramosa often replaced by Bassia birchii.

Land Capability.—IV or Vlc4–6, m4. No. of Observations.—2.
Field Criteria.—Levees and higher alluvial plains, box or ironbark woodland with cypress pine and shrubs, texture-contrast soils.


Material.—Mixed alluvial sand, silt, and clay.

Relief.—Levees, back plains, and terraces generally not flooded; slopes 0.2–0.5%.

Position on Slope.—Upper and middle slopes.

Soil.—Deep texture-contrast soils: mainly thick sandy surface horizons over neutral blocky to massive subsoils, Dj (Dy3.22, 5.82); minor Di (Dy2.13, 3.63) and De (Dy3.41).

Vegetation.—Woodland of *Eucalyptus populnea*, rarely of *E. melanophloia*, with moderately dense lower tree layer of *Callitris columellaris* and occasional *E. dealbata*, often with shrub layer of *Geijera parviflora*, *Eremophila mitchelli*, sometimes *Alstonia constricta*; moderate ground cover of *Bothriochloa decipiens*, *Chloris acicularis*, *Triraphis mollis*, *Eragrostis lacunaria*, and occasional *Aristida echinata* and *A. jerichoensis*. Occasionally open-woodland of *Eucalyptus tessellaris* often with *E. polycarpa*; lower tree layer of *Callitris columellaris*, sparse ground cover, mainly *Aristida echinata*, *A. jerichoensis*, and *Paspalidium constrictum*; the *Callitris* stratum often considerably modified by fire and clearing.

Land Capability.—IV or VI_{p3-4}, c_{3-6}. No. of Observations.—11.
Field Criteria.—Alluvial plains, box woodland without cypress pine, texture-contrast soils.


Material.—Mixed alluvial sand, silt, and clay.

Relief.—Back plains, levees, and terraces generally not flooded; slopes 0·2–0·5%.

Position on Slope.—Upper slopes.

Soil.—Deep texture-contrast soils: mainly thin sandy or loamy surface horizons over strongly alkaline subsoils, Dh (Db1.23, Dr2.23) and Di (Dy3.23, Dd1.13); less extensive Dj (Dy3.42); minor dark brown and grey-brown soils, Be (Gn3.23, Uf6.33), and massive earths, Ef (Gn2.12, 2.42, 2.82).

Vegetation.—Woodland of Eucalyptus populnea, rarely of E. melanophloia, lower trees sporadic, Casurina cristata, Heterodendrum oleifolium, or Bauhinia carroni; shrub layer patchy, sometimes dense, of Eremophila mitchelli, less commonly with Geijera parviflora; ground cover usually moderately dense of Bothriochloa decipiens, Arisitida ramosa, and Chloris acicularis with occasional Chloris ventricosa, Eragrostis lacunaria, Aristida jerichoensis, Paspalidium constrictum, and Tripogon loliiiformis on scalded areas; sometimes woodland of Eucalyptus populnea without shrubs and similar ground cover or with Thellungia advena, Astrebla spp., and Dichanthium spp., sometimes in southwest of region, open-woodland of Eucalyptus populnea, with lower tree layer of Flindersia maculosa and Heterodendrum oleifolium or scattered Acacia pendula and sparse ground cover of Tripogon loliiiformis, Sporobolus caroli, and Bassia spp.

Land Capability.—IV or VIp 3-4, S3-4, C3-6. No. of Observations.—48.
Field Criteria.—Clay pans.

Median Rainfall.—Nov.–Apr.: 200–250 mm. May–Oct.: 140–160 mm.

Material.—Alluvial clay.

Relief.—Shallow pans up to 3 m deep and 1000 m wide.

Soil.—Texture-contrast soils on margins: > 90 cm deep, Dh (Db2.23); probably cracking or non-cracking clay soils (Ug5/Uf6) towards centre.

Vegetation.—Grassy woodland of *Eucalyptus populnea* with moderate mid-height grass, mainly *Bothriochloa decipiens*; open-woodland of *E. microtheca* with sparse *Astrebla* spp. and *Thellungia advena*; rarely open-forest of *E. camaldulensis* with almost bare ground.

Land Capability.—Vlc6, w. No. of Observations.—1.
Field Criteria.—Alluvial plains, minute grass, scattered shrubs, leopardwood and whitewood, deep texture-contrast soils often extensively eroded.

Median Rainfall.—Nov.-Apr.: 220-380 mm. May-Oct.: 150-240 mm.

Material.—Mixed alluvial sand, silt, and clay.

Relief.—Levees and back plains above flood level; slopes 0.1-0.8%.

Position on Slope.—Upper slopes.

Soil.—Deep texture-contrast soils: thin sandy or loamy surface horizons over strongly alkaline clay subsoils, Dh (Dr2.43, 2.23) and Di (Dy2.33, 3.23); minor alluvial soils, Ac (sand over clay layers); extensive severe erosion by water and wind action in parts of this unit (5-15 cm of surface soil completely removed).

Vegetation.—Open-grassland of Tripogon loliiformis, occasional Aristida latifolia, A. platyphaeta, Chloris divaricata, and Sporobolus actinoclados (often with many forbs), Bassia calcarata, B. diacantha, B. lanicuspis, B. tetracuspis, and Kochia coronata; sometimes low open-woodland of Flindersia maculosa, Atalaya hemiglaucu, and occasional Heterodendrum oleifolium, with the same ground cover.

Land Capability.—IV or VIp3-4, e3-4, c3-6. No. of Observations.—11.
Field Criteria.—Alluvial clay plains, gidgee, cracking clay soils.

Median Rainfall.—Nov.–Apr.: 200–300 mm. May–Oct.: 140–190 mm.

Material.—Alluvial clay.

Relief.—Back plains occasionally flooded; slopes probably 0.05–0.3%.

Position on Slope.—No information.

Soil.—Cracking clay soils: >120 cm deep, Ce (Ug5.24); a mosaic of cracking and non-cracking clays (Ce/Be) in some occurrences; neutral to mildly alkaline at and near the surface grading to moderately or strongly alkaline beneath where small accumulations of carbonate and gypsum occur.

Vegetation.—Open-forest, occasionally woodland of Acacia cambagei, sometimes with occasional Eucalyptus microtheca, E. largiflorens, and Acacia harpophylla; sparse shrubs, mainly Eremophila mitchellii; ground cover low, Astrebla spp., Eragrostis setifolia, and Paspalidium gracile, occasionally replaced by Bassia spp. (B. diacantha, B. convexula, B. tricuspis) and Atriplex lindleyi.

Field Criteria.—Channels and fringing forest of red gum.


Material.—Alluvial sand and silts with minor clay.

Relief.—Channels.

Soil.—Various soils and layered materials: mainly alluvial soils Aa and Ab consisting of layered sands, silts, and clays, minor cracking and non-cracking clay soils in some older channels, Ce (Ug5.16) and Be (Uf6.32).

Vegetation.—Fringing open-forest or woodland of *Eucalyptus camaldulensis* with lower trees of *Melaleuca linariifolia* and sometimes (on upper Balonne) *Casuarina cunninghamiana*; *Chionachne cyathopoda* sometimes dense.

Land Capability.—VII–VIII12–8, w5. No. of Observations.—1.