

PO2: Fragic, Humosesquic, Aeric Podosol

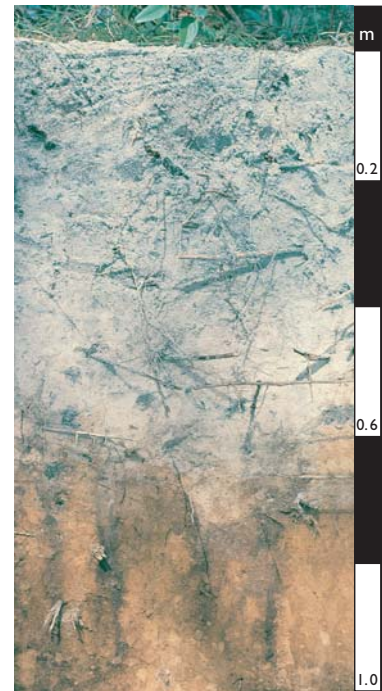
General description of the soil

A rapidly drained Podosol with a humosesquic B horizon (Bhs) which is only weakly coherent.

Distribution:	Probably one of the most common rapidly drained Australian Podosols, mostly adjacent to the coastline.
Typical land use:	Mostly reserved for nature conservation with minor forestry and improved pastures in other areas.
Common variants:	Most common variation is the degree of development of the Bhs horizon and thickness of the A2e horizon.
World Reference Base:	Albic Arenosol.
Other names:	Podzols.

Environment and location of the example profile

Landform:	Apex crest of a V-shaped coastal sand dune.
Parent material or substrate:	Aeolian siliceous sands.
Drainage class:	Rapidly drained.
Surface condition:	Loose.
Site disturbance:	None.
Native vegetation:	Open eucalypt forest.

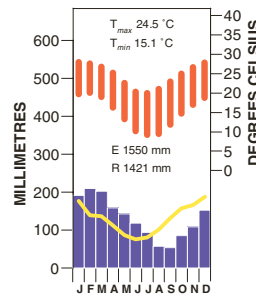


Cooloola district, south-east Queensland

Site location



Site climate



Soil morphology

Horizon	Depth (m)	Colour	Mottles	Texture	Structure			Consistence	Coarse fragments	Segregations	Boundary
					Grade	Shape	Size				
A11	0.00–0.05	grey (10YR 6/1)	–	sand	single grain	–	–	loose (dry) weakly coherent (moist)	charcoal and organic fragments	–	clear
A12	0.05–0.30	grey (10YR 5/1)	grey (10YR 6/1)	sand	single grain	–	–	very weak (moist) weakly coherent (moist)	–	–	diffuse
A13	0.30–0.40	grey (10YR 6/1)	light grey (10YR 7/1)	sand	single grain	–	–	very weak (moist) weakly coherent (moist)	–	–	diffuse
A2e	0.40–0.60	light grey (10YR 7/1)	2–10% yellowish brown (10YR 5/4)	sand	single grain	–	–	very weak (moist) barely coherent	–	–	diffuse
B1	0.60–0.70	dark yellowish brown (10YR 4/4)	yellowish brown (10YR 5/6) and very light brown (10YR 6/3)	sand	single grain	–	–	very weak (moist) barely coherent	–	–	diffuse
B2hs	0.70–1.20	yellowish brown (10YR 5/6)	strong brown (7.5YR 5/6) and brown (7.5YR 4/3)	sand	single grain	–	–	very weak (moist)	–	–	diffuse
B3	1.20–1.80	light yellowish brown (10YR 6/4)	yellowish brown (10YR 4/4 and 5/4)	sand	single grain	–	–	very weak (moist) barely coherent	–	–	diffuse
C	1.80–4.50	pale yellowish brown (10YR 7/5)	–	sand	single grain	–	–	very weak (moist)	–	thin heavy mineral bands	–

