

Legend

12 Land reference number

Study site boundaries

Endangered Ecological Community

Bangalay Sand Forest

Coastal Saltmarsh

Freshwater Wetland

Illawarra Subtropical Rainforest

Littoral Rainforest

Milton Ulladulla Suptropical Rainforest

Swamp Oak Floodplain Forest

Swamp Sclerophyll Forest



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0 200 400 Metres

Figure 18

EEC Mapping of Lands - Kioloa

KIOLOA				
Land Number	Vegetation Community	Description	Broad Condition / Value	Threat
1a	Spotted Gum / informal car park	Large old Spotted Gum trees remain in a largely cleared informal car park. Some shrubs remain around the base of the trees. Grades into a narrow band of Swamp Oak.	Poor condition. Weed invasion, compaction of ground and erosion. Large old trees provide habitat for arboreal fauna.	Senescence of trees without replacement. Informal use as a car park.
1b	Coastal Scrub	The frontal dune is vegetated with Coastal Wattle, Lomandra, Monotoco elliptica and Swamp Oak.	Poor condition. Tracks and trampling. Provides stability to the frontal dune.	This is a high use area and will continue to experience impacts.
2a	Bangalay Sand Forest - EEC	Coastal scrub on the frontal dune grades back into the remains of Bangalay Sand Forest. The majority of understorey is cleared and the grass is mown.	Poor condition. Clearing, tracks and trampling. Provides stability to the frontal dune.	This is a high use area and will continue to experience impacts.
2b	Swamp Oak Floodplain Forest – EEC	A dense Swamp Oak Floodplain community follows a drainage line around behind the frontal dune. Understorey comprises Kikuyu, Lomandra, Common Bracken, Asparagus Fern, Common Reed and Sweet Pittosporum.	Poor condition. Impacted from clearing and high visitor usage. Provides an important buffer to the drainage line.	This is a high use area and will continue to experience impacts.
2c	Swamp Sclerophyll Forest - EEC	This densely vegetated area is dominated by Bangalay, Tall Saw-sedge, Hillock Bush and the occasional Swamp Oak.	Poor condition. Clearing has occurred in the past and dumping is ongoing. Provides an important vegetated link from western vegetated areas and Kioloa Beach.	Ongoing impacts of urbanisation and high visitor usage.
2d	Bangalay Sand Forest - EEC	This highly impacted EEC is dominated by Bangalay with scattered Forest Red Gum, Coast Banksia and Coffee Bush.	Poor condition. Tracks, clearing and garden plants occur throughout this EEC. Provides an important vegetated link from western vegetated areas and Kioloa Beach.	Ongoing impacts of urbanisation and high visitor usage.
2e	Coastal Scrub	The frontal dune is vegetated with Coastal Wattle, Lomandra, Monotoco elliptica and Swamp Oak.	Poor condition. Tracks and trampling. Provides stability to the frontal dune.	This is a high use area and will continue to experience impacts.
3a	Coastal vegetation	The slope of the headland is vegetated with Swamp Oak, Lomandra, Coast Banksia and introduced grasses.	Poor condition. Tracks and trampling. Provides stability to the frontal dune.	This is a high use area and will continue to experience impacts.

Land Number	Vegetation Community	Description	Broad Condition / Value	Threat
3b	Cleared / Coastal scrub	Partially cleared coastal scrub.	Poor condition. Clearing and tracks. Provides stability to the frontal dune.	This is a high use area and will continue to experience impacts.
3c	Bangalay Sand Forest – EEC	On the spine of the two headlands patches of Bangalay Sand Forest occurs. These areas are overgrown, with a lot of old wood throughout and weed infested.	Poor condition. Clearing and tracks. Provides stability to the frontal dune.	This is a high use area and will continue to experience impacts. Would benefit from a low intensity burn.
4	Coastal Scrub	Occurs on the front face of the seacliff. Vegetated with Coast Banksia, Coastal Rosemary. Stunted growth due to high winds.	Fair condition. This remnant vegetation is fairly well protected due to its inaccessibility. Provides stability to the rock face and a vegetated coastal corridor.	Requires ongoing management.
5a	Swamp Sclerophyll Forest – EEC	This densely vegetated forest follows a drainage line. Bangalay dominates the canopy with Sweet Pittosporum, Tall Saw-sedge Climbing Guinea Flower and Common Silkpod all common throughout.	Poor condition. The community has been cleared and is impacted by changes in drainage patterns and weed invasion. Provides a buffer to the drainage line and Merry Beach and stepping stone habitat with areas to the west.	This is a high use area and will continue to experience impacts.
5b	Bangalay Sand Forest - EEC	A moderately impacted forest which has been cleared and modified along the edges.	Poor condition. Edge effects, tracks, trampling and weed invasion. Provides a buffer to the drainage line and Merry Beach and stepping stone habitat with areas to the west.	This is a high use area and will continue to experience impacts.
5c	Cleared / Coastal scrub	This area is partially cleared and partially vegetated with low lying coastal vegetation typical of frontal dune communities.	Poor condition. Clearing and tracks. Provides stability to the frontal dune.	This is a high use area and will continue to experience impacts.
6a	Swamp Sclerophyll Forest – EEC	This community is continuation of Swamp Sclerophyll Forest in 5a. It has been cleared to the top of bank and water quality is low. On the day of assessment, stockpiles of soil and rubbish were dumped along the edges of this creek.	Very poor condition. Clearing and substantial modification of this community has taken place. Vegetation above top of bank has been removed. Low ecological value in its current form although remaining vegetation stabilises creek banks.	Ongoing current management regimes.

Land Number	Vegetation Community	Description	Broad Condition / Value	Threat
6b	Cleared / Modified	This area has largely been cleared and it currently contains infrastructure associated with the caravan park. Large old trees remain but the understorey is missing or comprises introduced grasses.	Very poor condition. Clearing and substantial modification of vegetation has taken place. Bare earth present in places. Low ecological value in its current form although large trees provide habitat for arboreal fauna.	Ongoing current management regimes.
7	Park	This small remnant is grassed and mown. Silvertop Ash, Sweet Pittosporum, Black Wattle remain.	Fair condition. A mown area with remnant trees. Provides habitat for arboreal fauna.	Weed invasion and senescence of trees over time.
8	Cleared / Modified	Forest Road Reserve. Presence of two ponded areas and earthen mounds suggests that drainage patterns in this area have been altered to reduce flooding in the adjacent urban development. It is likely that this area would have once been Swamp Sclerophyll Forest as this EEC is present adjacent to this site.	Fair condition. This area has been artificially created. Weeds are present on the edges. Provides habitat for a range of fauna, including water dependent birds and amphibians.	Weed invasion. Erosion after rain events.