

Tinchi Tamba 1 (site ID = 659151) Saltmarsh and Marine Couch

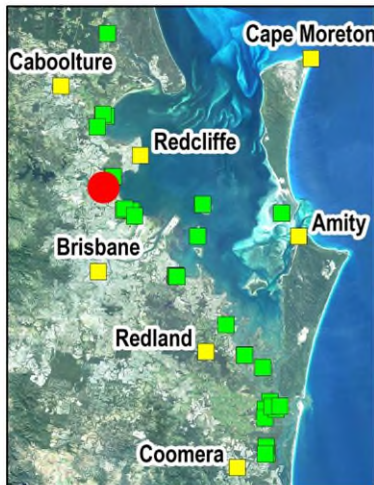
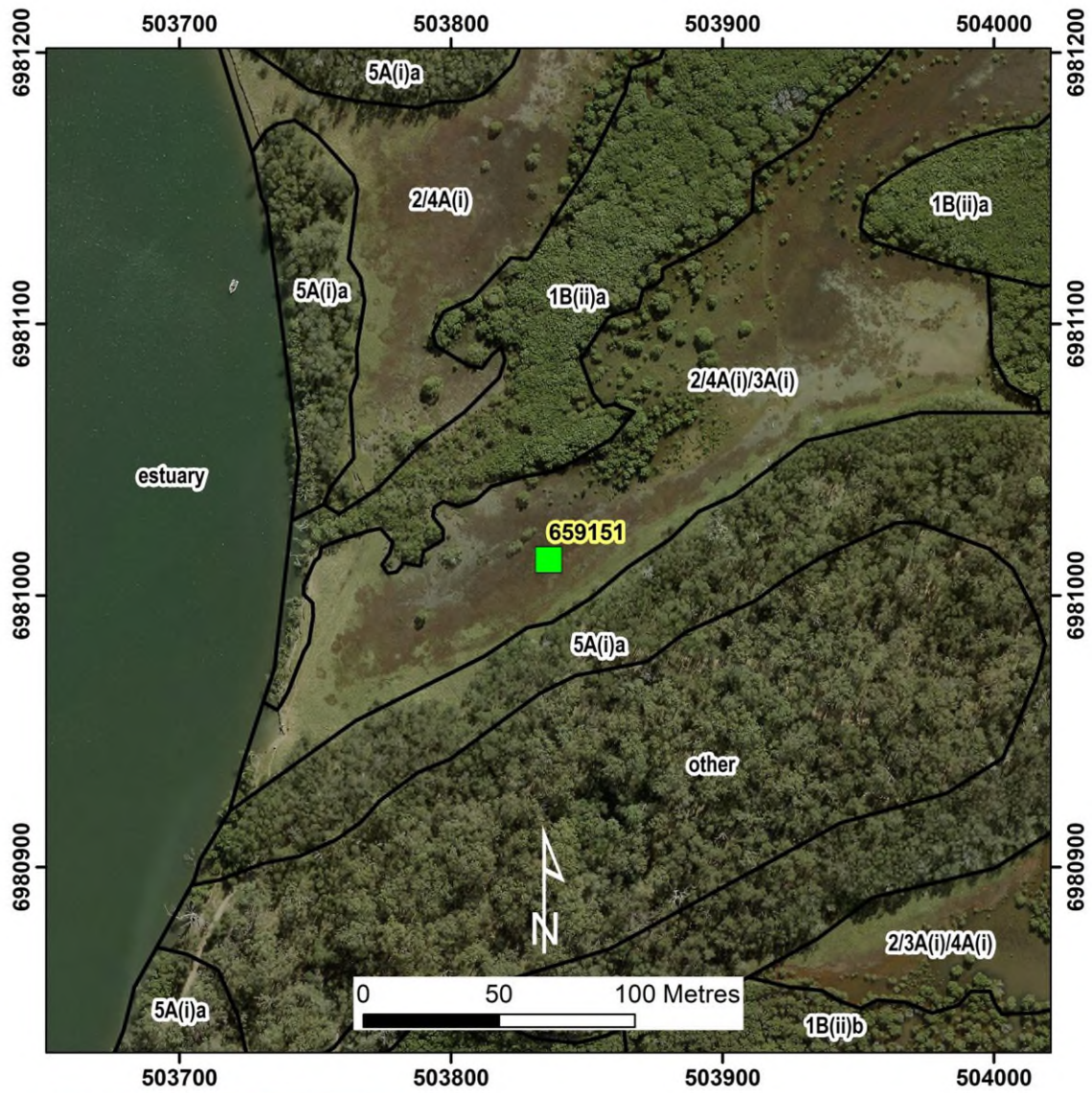


Table 1. Queensland Biodiversity Ecological Information System (QBEIS) temporal assessment for site 659151.

Date	12.12.2017	12.7.2019	05.08.2022
E Spp.			
T1 Spp.			<i>Avicennia marina</i> subsp. <i>australasica</i>
T1 Med Canopy Height			2
T1 Range low			1.8
T1 Range High			2.2
T1 Crown Cover			2
T1 Stem Count			2
T2 Spp.			
T2 Med Canopy Height			
T2 Range low			
T2 Range high			
T2 Crown Cover			
T2 stem count			
S1 Spp.		<i>Avicennia marina</i> subsp. <i>australasica</i>	<i>Avicennia marina</i> subsp. <i>australasica</i>
S1 Med Canopy Height		1	2
S1 Range low		0.7	1
S1 Range high		1.4	2
S1 Crown Cover		1	4
S1 stem count			
S2 Spp.			<i>Avicennia marina</i> subsp. <i>australasica</i>
S2 Med Canopy Height			1
S2 Range low			0.5
S2 Range high			1
S2 Crown Cover			1
S2 stem count			
G Spp.	<i>Salicornia quinqueflora</i> <i>Suaeda australis</i> <i>Sporobolus virginicus</i> <i>Suaeda arbusculoides</i>	<i>Salicornia quinqueflora</i> <i>Sporobolus virginicus</i> <i>Avicennia marina</i> subsp. <i>Australasica</i> <i>Suaeda australis</i>	<i>Salicornia quinqueflora</i> <i>Sporobolus virginicus</i> <i>Avicennia marina</i> subsp. <i>Australasica</i> <i>Suaeda australis</i>
G Med Canopy Height	0.1	0.2	0.1
G Range low	0.1	0.1	0.1
G Range high	0.8	0.4	0.5

G Cover	57	72	64
Individual Covers	55, 1, 1, +	69, 2,1, +	61; 2; 1; +;

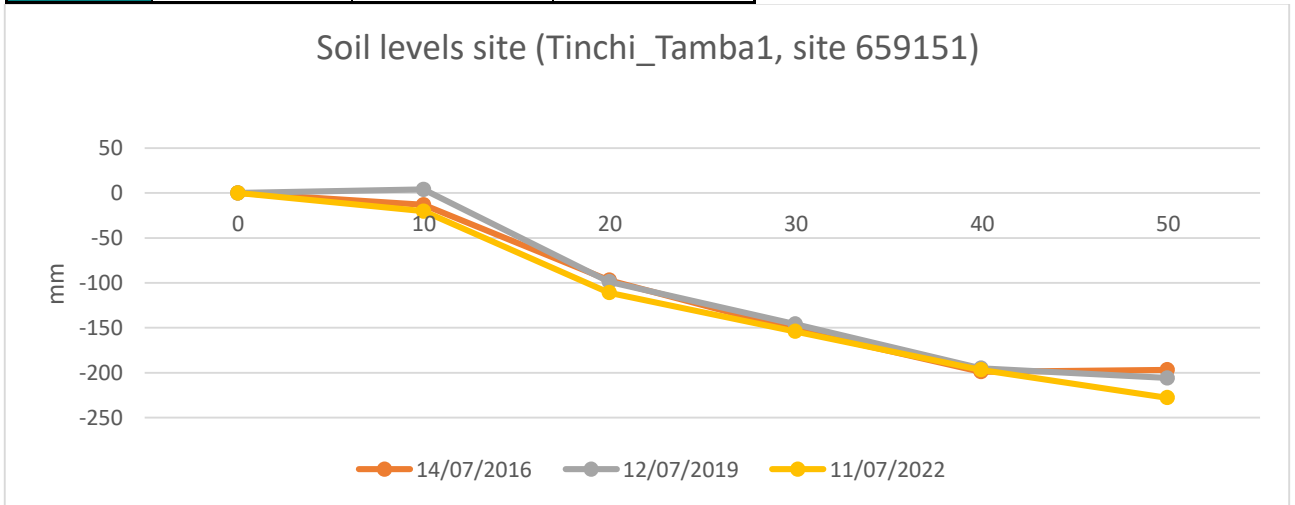


Figure 3. Soil surface elevation measurements (mm) are taken across the QBEIS sites using dumpy level.

Summary

1. T1 including *Avicennia marina* subsp. *australasica* starting to invade the salt marsh by 2022 (2 stems in the site).
2. S1 including *Avicennia marina* subsp. *australasica* invading salt marsh by 2019 (4 stems in the site in 2022).
3. Ground layer is diverse with *Salicornia quinqueflora*, *Suaeda australis* and *Sporobolus virginicus* present over the years with changes in densities.
4. Ground layer cover and height only slightly changes over the years.
5. Soil max range level across the plot reduced by 4 mm to 34mm with erosion of up to 10mm.
6. Soil levels only slightly changed across the site.



Figure 4. Photograph of Site 659151 Saltmarsh and Marine Couch, communities 3A(i) and 4A(i).