

VISITING TE ANGIANGI MARINE RESERVE

NOTES FOR SCHOOLS AND EDUCATORS



Photos: Catherine Tiffen



Key information



Te Angiangi Marine Reserve is in central Hawkes Bay, on the east coast of the North Island.

This reserve was established in 1997 and includes a range of habitats, including a boulder bank, sheltered bay and intertidal rock platforms. The name ‘Te Angiangi’ was chosen by Ngāti Kere to honour their history; the marine reserve area was safeguarded by the mana of Te Angiangi, a significant ancestor.

The meeting of the warm East Cape current and the cold Southland current, in this reserve, provides varied habitats that are home to a wide variety of species found around New Zealand.

Visitor facilities and parking

For more information and a map of this reserve, see:  www.doc.govt.nz/te-angiangi-marine-reserve.

Suggested self-guided activities for school groups

Biodiversity survey

The Marine Metre Squared Project (Mm2) is an easy quadrat survey for investigating what is living in your marine reserve. See  www.mm2.net.nz for resources. Rocky shore surveys or sandy shore surveys can be carried out approximately 2 hours either side of low tide. For more information, see  *Activity 8: Visiting Marine Reserves*.

Note: when conducting a Mm2 survey, it is important to keep disturbance of sand and animals to a minimum and put them back where you found them.

Litter survey

Conduct a litter survey on the beach to investigate human impacts on this marine reserve. You’ll be cleaning it up as you go!

See page 9 of the DOC *Habitat Heroes: Explore your local marine environment* resource for instructions:  www.doc.govt.nz/habitat-heroes-marine-resource. Survey sheets and guidance for beach clean-ups and litter audits are available at  www.loveyourcoast.org.nz/learn (Love Your Coast/Sustainable Coastlines).

Dune plant survey

Look at the dune plants at Aramoana Beach and see if you can identify them. Be careful not to walk on dunes during your survey and respect any barriers. See page 10 of the DOC *Habitat Heroes: Explore your local marine environment* resource for instructions:  www.doc.govt.nz/habitat-heroes-marine-resource.



Health and Safety considerations

- There can be strong, unpredictable currents in the water at this reserve. Use caution when swimming/snorkelling, ensure the tide is suitable for in-water activities and give students clear instructions and adequate supervision.
- Teachers should consider general risk management around water and rock shelves. See general health and safety considerations:  *Activity 8: Visiting Marine Reserves.*

Please note: These notes are not a substitute for school safety planning.

Staff, students and the Board of Trustees of a school will need to consider other factors before conducting a visit outside the school and follow school procedures. Identifying and managing risks before the trip is essential, therefore a prior site visit is highly recommended.

Habitats and species in the reserve

The reserve has a sheltered bay (Stingray Bay), intertidal rock platforms and sandy beaches. Stingray Bay is a very calm lagoon that is suitable for beginner snorkellers.

This reserve is home to many types of different birds, including: gannets/tākapu, gulls, herons/matuku moana, terns/tara, pied stilts/poaka, oystercatchers/tōrea, and penguins/kororā. New Zealand dotterels/tūturiwhatu and godwits/kuaka can be seen at times.

During summer, pods of common and bottlenose dolphins/aihe are often observed and there have been reports of dusky dolphins and orca/maki. New Zealand fur seals/kekeno are also occasional visitors to the reserve.

A large intertidal rock platform is exposed at low tide, which is home to the golden limpet, Neptune's necklace, pink coralline seaweed, and eel grass. Small fish, crabs, pāua and kina live in the rock pools.

For more details of species and habitats and a map of the reserve, see:  www.doc.govt.nz/te-angiangi-brochure.

Other education experiences

The **Aramoana Environmental and Education Trust** has displays in the historic woolshed.

PROTECT OUR MARINE RESERVES

They are special places that protect the species and habitats within them.

- No fishing of any kind
- Don't take or kill marine life
- Don't remove or disturb any marine life or materials
- Don't feed fish – it disturbs their natural behaviour
- Take care when anchoring to avoid damaging the sea floor
- Call **0800 DOC HOT** (0800 362 468) to report any illegal activity.

