

Shoreline Adaptation Plan: Snells Beach to Ōrewa

Feedback must be received by **12 November 2024**

We are preparing Shoreline Adaptation Plans across the region, in partnership with mana whenua and local communities. Shoreline Adaptation Plans look at how we can adapt Auckland Council-owned land and assets (i.e. boat ramps, seawalls, coastal walkways and accessways) to respond to coastal hazards and climate change over the next 100 years. Recognising the diverse value of the shoreline, these plans also work to promote the preservation and restoration of the coastal environment for future generations.

Over the course of 2024, we asked the community what they value and how they use the coast in the Snells Beach to Ōrewa (Figure 1, below). This feedback is helping us understand people's interests, issues and aspirations in relation to council owned coastal land and assets across the Snells Beach to Ōrewa coastline.

We have now drafted coastal adaptation strategies based off coastal hazard information and technical inputs by coastal management experts for the Snells Beach to Ōrewa coastline and we want to ensure you have the opportunity to provide feedback of our proposals for the coastline and the council owned land and assets located there.

We want to know:

- What you think of the proposed (DRAFT) coastal adaptation strategies for the Snells Beach to Ōrewa coastline?
- Is there anything else you think should be included?
If so, why?
- Do you have any other feedback on how we manage our shorelines within the wider the Shoreline Adaptation Plan?

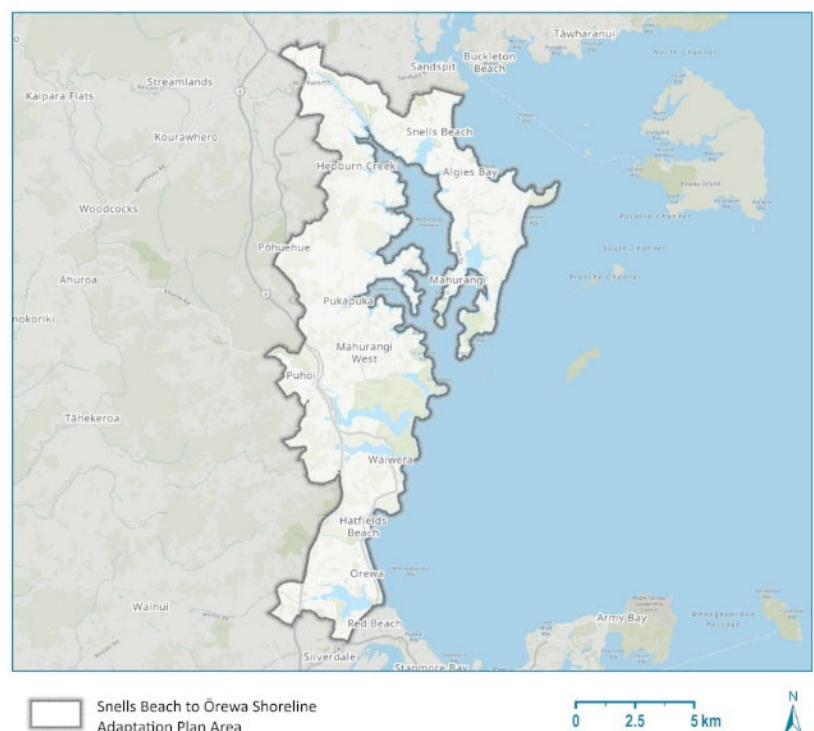


Figure 1: Map of Snells Beach to Ōrewa Shoreline Adaptation Plan

We strongly encourage you to read the supporting Draft Snells Beach to Ōrewa Adaptation Strategy Report, available on AK Have Your Say before answering any of the following questions.

We encourage you to give feedback online at [akhaveyoursay.nz](https://www.akhaveyoursay.nz), or you can:

Email the team at

shorelineadaptationplans@aucklandcouncil.govt.nz

By freepost

Auckland Council
Shoreline Adaptation Plans
Freepost number 232621
Private Bag 92300
Victoria Street West
Auckland 1142

In person

Drop your completed form off at your local library, service centre or local board office.

Your details

Your name and feedback will be included in public documents. All other personal details will not be made available to the public.

First name: _____ Last name: _____

Email or postal address: _____

Your local board or suburb: _____

- | | | |
|--|--|---|
| ☐ Albert-Eden | ☐ Kaipātiki | ☐ Puketāpapa |
| ☐ Aotea/Great Barrier | ☐ Māngere-Ōtāhuhu | ☐ Rodney |
| ☐ Devonport-Takapuna | ☐ Manurewa | ☐ Upper Harbour |
| ☐ Franklin | ☐ Maungakiekie-Tāmaki | ☐ Waiheke |
| ☐ Henderson-Massey | ☐ Ōrākei | ☐ Waitākere Ranges |
| ☐ Hibiscus and Bays | ☐ Ōtara-Papatoetoe | ☐ Waitemātā |
| ☐ Howick | ☐ Papakura | ☐ Whau |

Are you providing:

- ☐ Your **personal** feedback
- ☐ Feedback as the official representative of an **organisation**

Organisation name: _____

Important privacy information

The personal information that you provide in this form will be held and protected by Auckland Council in accordance with our privacy policy (available at [aucklandcouncil.govt.nz/privacy](https://www.aucklandcouncil.govt.nz/privacy) and at our libraries and service centres) and with the Privacy Act 2020. The privacy policy explains how we can use and share your personal information in relation to any interaction you have with the council, and how you can access and correct that information. You should familiarise yourself with this policy before submitting this form.

These questions are optional but will help us understand which groups of the community are engaging with us.

What gender are you?

☐ Male ☐ Female ☐ Another gender: _____

What age group are you?

☐ Under 15 ☐ 15-17 ☐ 18-24 ☐ 25-34 ☐ 35-44
☐ 45-54 ☐ 55-64 ☐ 65-74 ☐ 75+

Which ethnic group(s) do you feel you belong to? (Please select as many as apply)

☐ Pākehā/NZ European ☐ Māori ☐ Cook Islands Māori
☐ Samoan ☐ Tongan ☐ Indian
☐ Chinese ☐ Southeast Asian ☐ Korean
☐ Other (please specify): _____

What is your connection to the Snells Beach to Ōrewa SAP area?

☐ I live here
☐ I don't live here but own property here
☐ I work here
☐ I play here
☐ Other, please specify: _____

Would you like to subscribe to any of the following? (tick all that apply)

☐ People's Panel – to take part in council surveys
☐ OurAuckland – your weekly guide to what's happening in Auckland
☐ Auckland Conversations - free public events offering ideas, inspiration and action for world-class cities

You can also visit AK Have Your Say at [akhaveyoursay.nz](https://www.akhaveyoursay.nz) to find out about, or register to receive regular updates on, consultation activities happening across Auckland.

Draft Adaptation strategies for the Snells Beach to Ōrewa SAP area

We have now drafted coastal adaptation strategies based on the feedback we have heard, coastal hazard information, and technical inputs by the Coastal Management Team for the area of coastline and we want to ensure you think our proposals are right for the coastline.

We have identified the following coastal adaptation strategies in the area for the short (0-20 years), medium (20- 60 years) and long term (60 – 100 years).

Table 1: Adaptation strategies

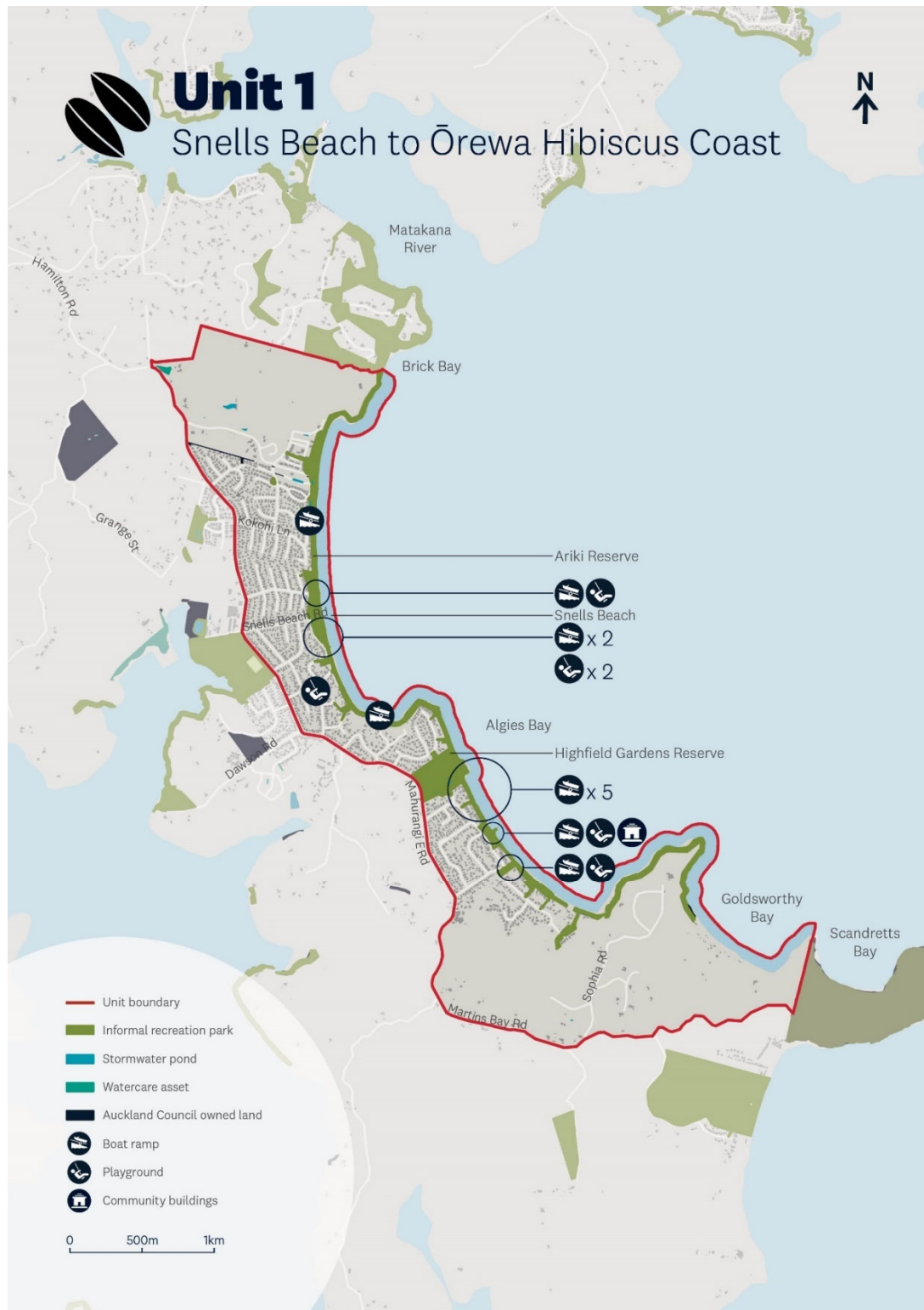
Adaptation strategy	Description of the strategy
Limited intervention	Maintain and making safe. • Works may be undertaken to repair existing protection structures for the purpose of extending the asset's life. • Works may support place-based realignment (moving back) of the coastal edge (seawalls) and council owned assets, such as playgrounds, pathways and amenities. • Does not support keeping the coastline in fixed position.
No active intervention	Natural processes are allowed to continue. • Includes no investment in the provision or maintenance of any hazard protection structures associated with coastal hazards and flood protection (does not apply to the management of land stability or subsidence or other man-made hazard risk management). • This strategy is identified for areas of the coastline where Council-owned land and assets are not exposed/vulnerable to coastal hazard and catchment flooding risk.
Hold the line	The coastal edge is fixed at a certain location. • Defense of the coastal edge may be through nature-based options (for example beach nourishment) or engineered hard structures (for example sea walls). • Nature-based options are the preferred method where possible, but in most cases engineered hard structures would be required. • An identified use or service is maintained within its existing location, for example a road is maintained in a fixed location or parks' land uses are maintained in an existing location. • This approach could result in losing some intertidal areas or beach space due to preventing a landward realignment of the coast in response to sea level rise.
Adaptation Priority Area	Assets and land uses are relocated or realigned. • Further adaptation planning is required to manage risks to Auckland Council-owned land and assets. • Relocation or realignment from hazard-prone areas to reduce risk to assets and maintain identified values (including ecological, cultural, recreational). • Relocation is planned and undertaken proactively over time. • Planning to retreat or relocate assets and land uses are responsive to community, cultural and ecological opportunities needs and aspirations. • Supports opportunity for nature-based solutions, and maintenance of coastal values.

Your feedback (all questions are optional)

Please note that proposed coastal adaptation strategies set out in the Draft Snells Beach to Ōrewa Adaptation Strategy Report is only applicable to Council owned land and assets.

Unit 1: Snells Beach to Algies Bay

Unit 1 is located within the Rodney Loal Board area. This coastline is characterised by the sandy beaches- and shallow intertidal beaches of Snells Beach, Algies Bay and Goldsworthy Bay, separated by rocky sandstone headlands.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretch 1.1 to 1.6.



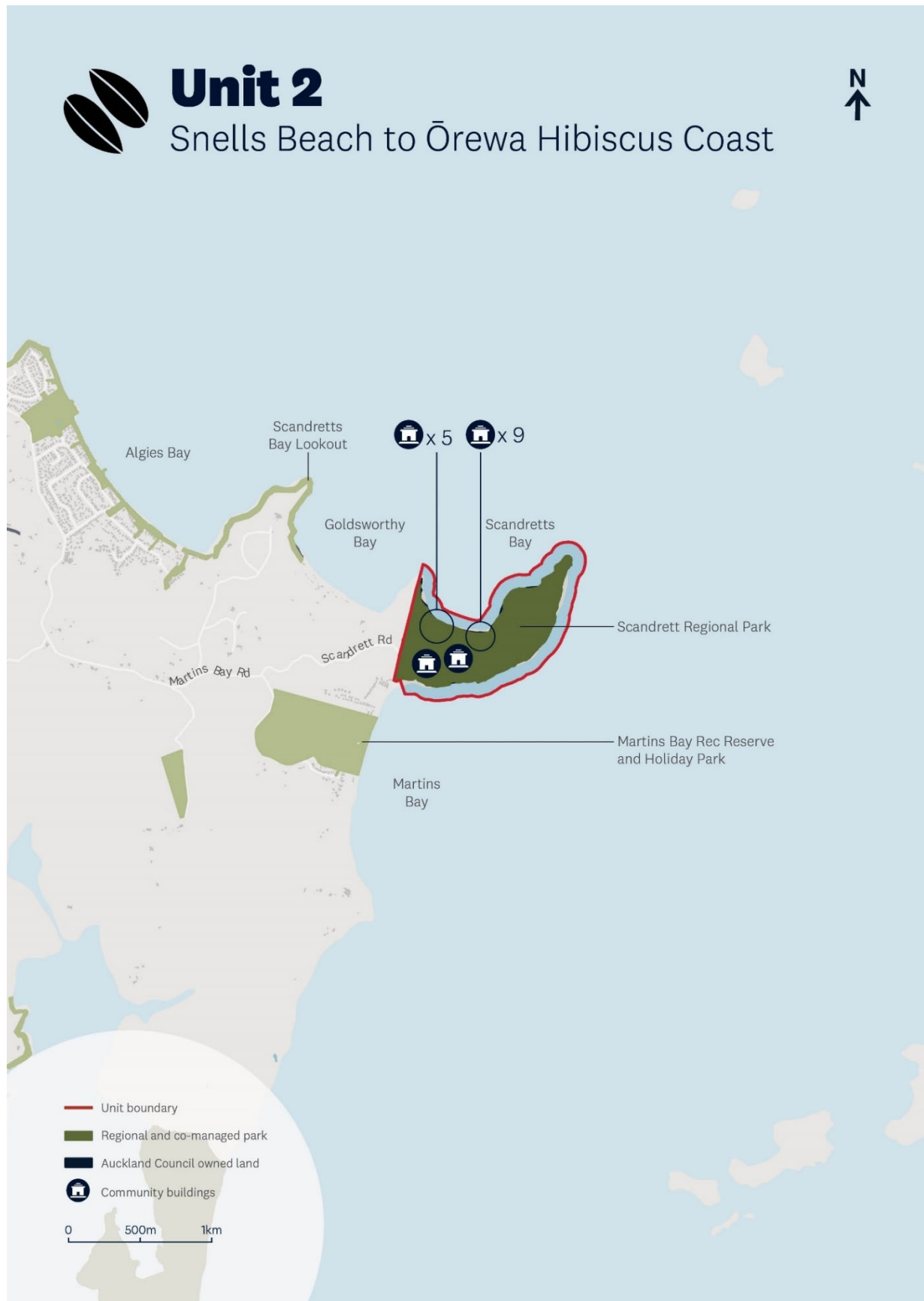
Stretch	Short term	Medium term	Long term
1.1: Brick Bay to Boatshed Bay	No Active Intervention	No Active Intervention	No Active Intervention
1.2: Snells Beach	Limited Intervention	Limited Intervention	Adaptation Priority Area
1.3: Snells to Algies	Limited Intervention	Limited Intervention	Limited Intervention
1.4: Algies Bay North	Hold the Line	Hold the Line	Hold the Line
1.5: Algies Bay Central	Limited Intervention	Limited Intervention	Adaptation Priority Area
1.6: Waimana Point and Goldsworthy	No Active Intervention	No Active Intervention	No Active Intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 1: Snells Beach to Algies Bay, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure to include what area/stretch and timeframes you are referring to)

Unit 2: Purahurawai Bay (Scandretts Regional Park)

Unit 2, located within the Rodney Local Board area, this unit includes Scandrett Regional Park; this is a relatively small peninsula of land, comprising the regional park landholding of approximately 48 ha.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretch 2.1



Stretch	Short term	Medium term	Long term
2.1: Scandretts Regional Park	Limited intervention	Limited intervention	Limited intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 2: Purahurawai Bay (Scandretts Regional Park), are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure you include what area/stretch and timeframes you are referring to)

Unit 3: Martins Bay

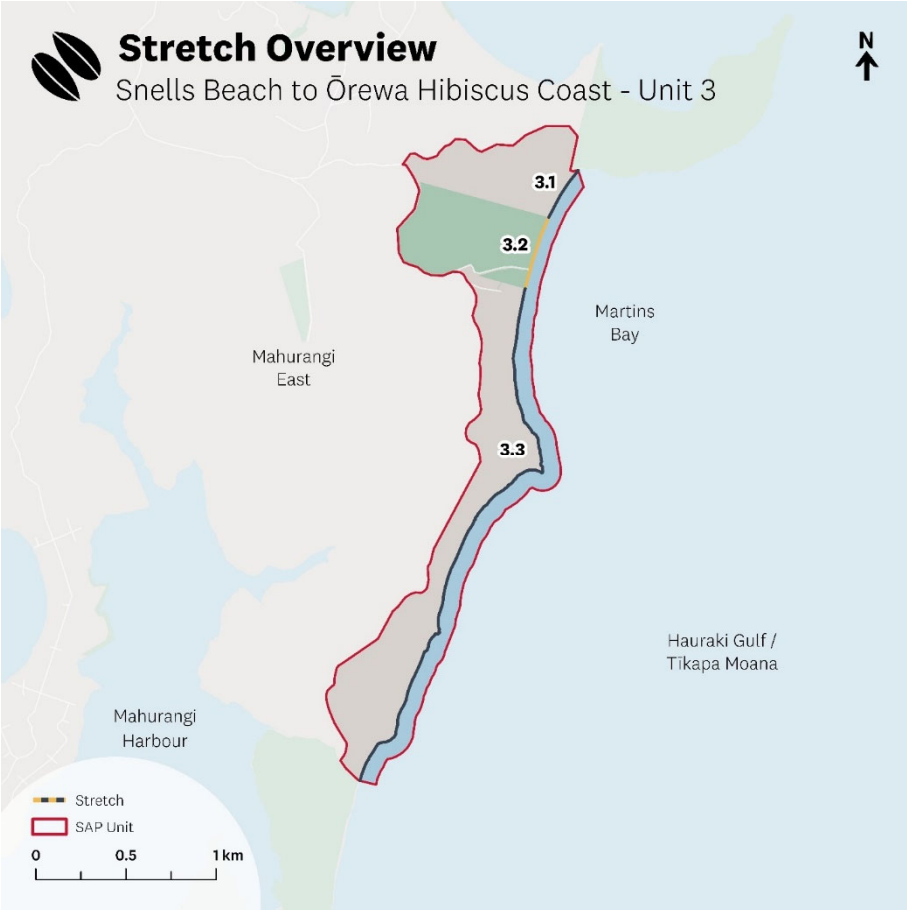
This unit is located within the Rodney Local Board area. This unit is located within the Rodney Local Board area. The northern extent of this unit is characterised by the approximately 1 km long sandy shoreline of Martins Bay, contained between the Scandrett Regional Park Peninsula to the north and a rocky headland to the south.

The beach is backed by reserve land (Martins Bay Recreation Reserve), a campground, and private landholdings (to the north and south of the reserve land area). The southern extent of this unit is characterised by rocky intertidal platforms, backed by steep, vegetated coastal cliffs.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretches 3.1 to 3.3



Stretch	Short term	Medium term	Long term
3.1: Martins Bay North	No Active Intervention	No Active Intervention	No Active Intervention
3.2: Martins Bay Reserves	Limited Intervention	Limited Intervention	Limited Intervention
3.3: Martins Bay South	No Active Intervention	No Active Intervention	No Active Intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 3: Martins Bay are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure you include what area/stretch and timeframes you are referring to)

Unit 4: Te Muri Mahurangi East and Scott's landing

This unit is located within the Rodney Local Board area. This unit commences at the north-eastern corner of the Te Muri Regional Park and culminates at the western side of the Scotts Point Peninsula. This unit includes the Mahurangi East and Scotts Points areas of the Te Muri Mahurangi East Regional Park. The wider unit also includes DoC and other private landholdings.

This coastline is characterised by the Te Muri Mahurangi East Regional Park Peninsula, Te Kapa inlet, and Mahurangi Peninsula that extends to Scotts Point. The coastline ranges from easterly-facing sandy pocket beaches and rocky foreshores, to more sheltered, shallow estuarine inner harbour embayments, with established mangroves, transitioning into saltmarsh habitat in places.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretches 4.1 to 4.7



Stretch	Short term	Medium term	Long term
4.1 Te Muri Mahurangi East Regional Park	Limited Intervention	Limited Intervention	Limited Intervention
4.2 Te Kapa River	No Active Intervention	No Active Intervention	No Active Intervention
4.3 Scotts Landing east	Limited Intervention	Limited Intervention	Limited Intervention
4.4 Te Muri Scotts Point historic waterfront	Limited Intervention	Limited Intervention	Adaptation Priority Area
4.5 Scotts Point	Hold the Line	Hold the Line	Hold the Line
4.6 Scotts Landing West	Limited Intervention	Limited Intervention	Limited Intervention
4.7 Te Kapa North	No Active Intervention	No Active Intervention	No Active Intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 4: Te Muri Mahurangi East and Scott’s landing, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure you include what area/stretch and timeframes you are referring to)

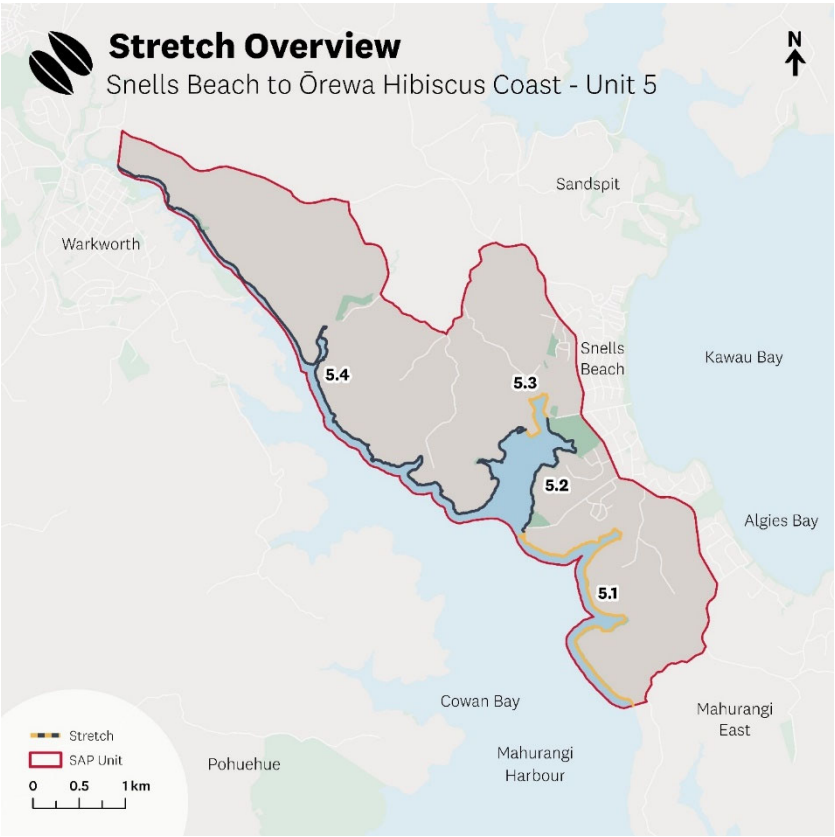
Unit 5: Snells Beach South to Warkworth

Unit 5 is located within the Rodney Local Board area. Unit 5 commences in the south at the northern end of Te Kapa Peninsula and includes the coast north culminating to the east of Warkworth village. This area includes the southern side of Snells and Algies Bay settlements.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretches 5.1 to 5.4



Stretch	Short term	Medium term	Long term
5.1 Algies Bay South	No Active Intervention	No Active Intervention	No Active Intervention
5.2 Snells Beach South (Dawsons to Goodall Reserve)	Limited Intervention	Limited Intervention	Limited Intervention
5.3 Snells Beach infrastructure	Hold the Line	Hold the Line	Hold the Line
5.4 Mahurangi River north (Snells Beach to Warkworth)	No Active Intervention	No Active Intervention	No Active Intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 5: Snells Beach South to Warkworth, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure you include what area/stretch and timeframes you are referring to)

Unit 6: Puhinui Warkworth

Unit 6 is located within the Rodney Local Board area and forms the upper end of Mahurangi Harbour where it transitions to a river-dominated morphology, but still with tidal influence.

The unit includes Warkworth town basin, where timber wharves, boardwalks, and pontoons are located along the coastal edge. Mahurangi Marina facilities occupy the channel downstream off Wilsons Road. Within this unit established mangroves area are present downstream from the town basin area to the southern extent of this unit. This coastline is sheltered from any significant wave energies. During high rainfall events, water levels are elevated and significant flow rates can occur in the channel adjacent the town basin, suspending significant volumes of fine sediments.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretches 6.1 to 6.8.



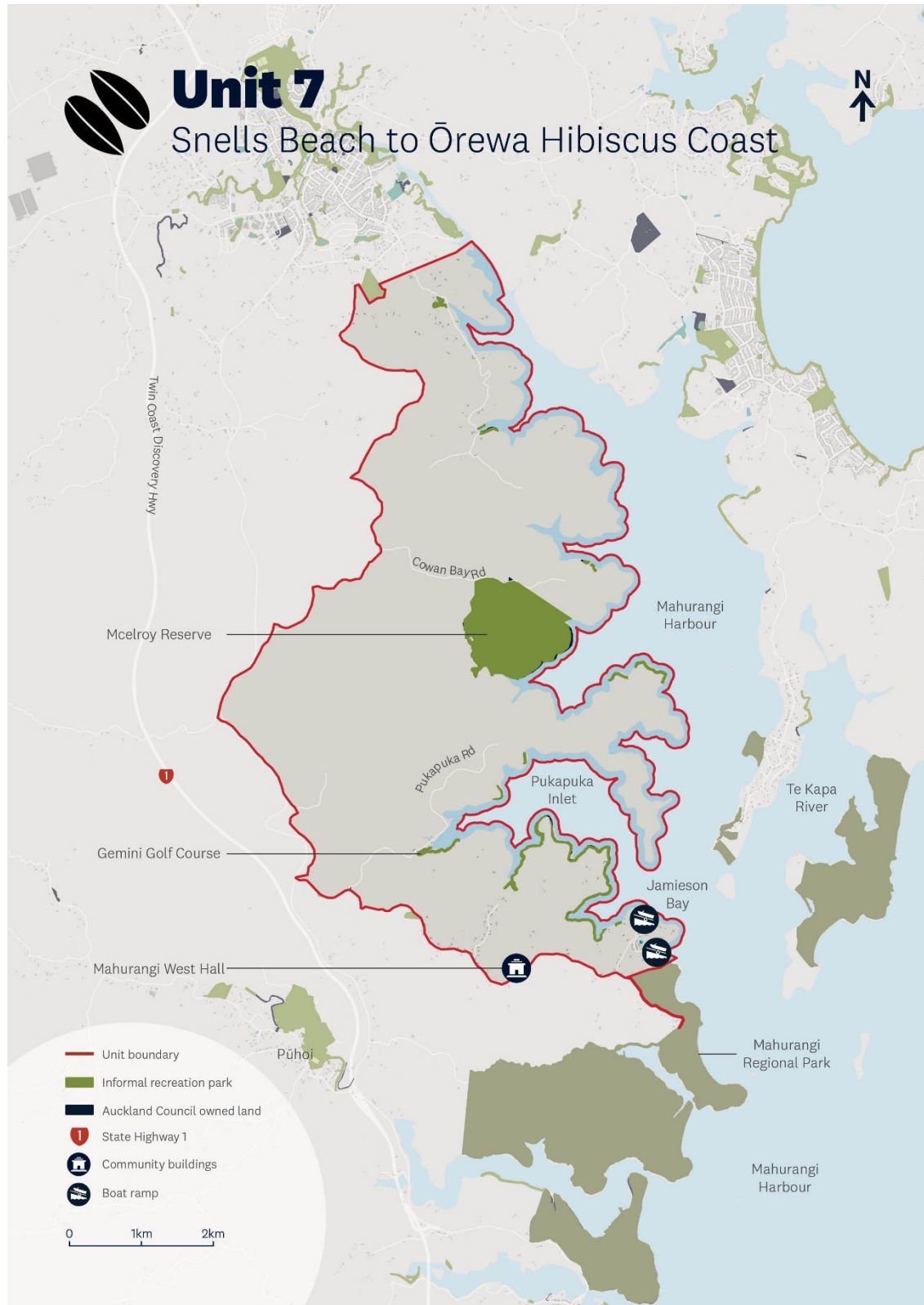
Stretch	Short term	Medium term	Long term
6.1 Mahurangi River Esplanade	No Active Intervention	Limited Intervention	Limited Intervention
6.2 Puhinui Warkworth Township	Hold the Line	Hold the Line	Hold the Line
6.3 Puhinui Warkworth South Reserves	Limited Intervention	Limited Intervention	Limited Intervention
6.4 Warkworth Private Marina	No Active Intervention	No Active Intervention	No Active Intervention
6.5 Warkworth wastewater treatment facility and reserves	Hold the Line	Hold the Line	Hold the Line
6.6 River Esplanade Reserve - Kowhai View	No Active Intervention	No Active Intervention	No Active Intervention
6.7 Cement works	Hold the Line	Hold the Line	Hold the Line
6.8 Southern Warkworth, Mahurangi River inlet	No Active Intervention	No Active Intervention	No Active Intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 6: Puhinui Warkworth, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure to include what area/stretch and timeframes you are referring to)

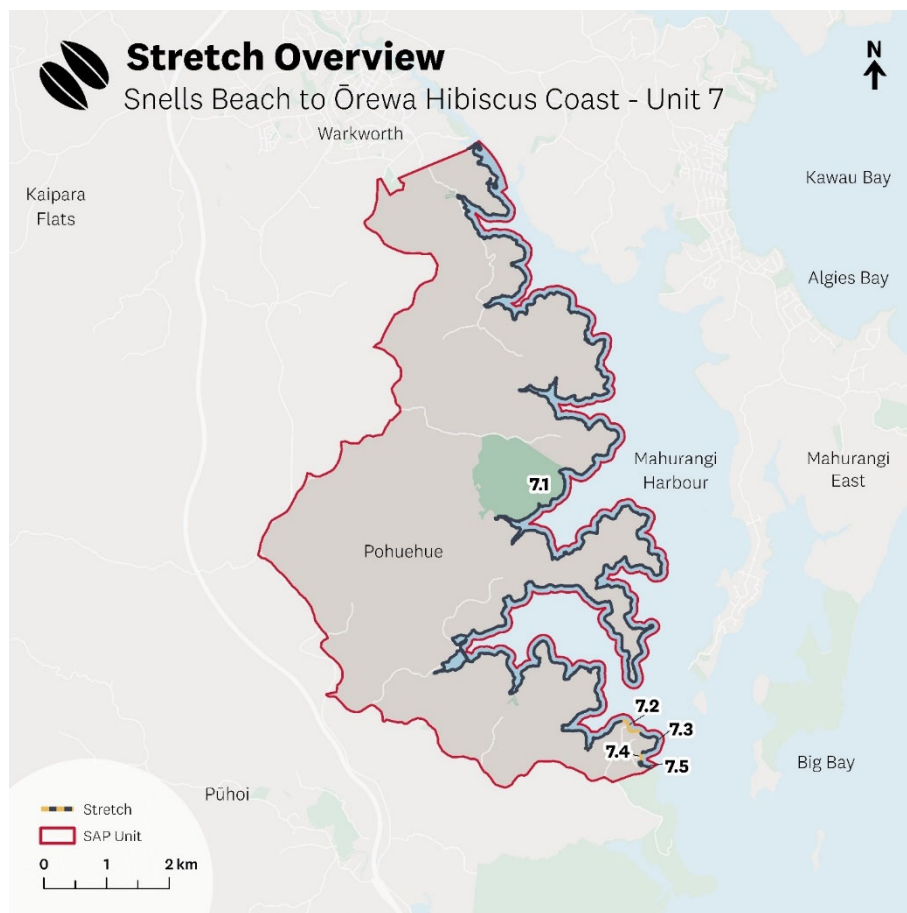
Unit 7: Mahurangi West

Unit 7 is located within the Rodney Local Board area. This unit commences south-east of Warkworth township and includes a substantive area of the coastal areas of the western Mahurangi inlet south to Opahi Bay. This includes large areas of established mangroves, saltmarsh habitat, extensive intertidal flats, various embayments, and coastal cliffs. Small areas of residential development are present at Jamieson Bay, Opahi Bay, with large lifestyle properties in other locations such as Cowan Bay.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretches 7.1 to 7.5.



Stretch	Short term	Medium term	Long term
7.1: Mahurangi Estuary west; Warkworth south	No Active Intervention	No Active Intervention	No Active Intervention
7.2: Jamieson Bay	Hold the Line	Hold the Line	Adaptation Priority Area
7.3: Jamieson to Opahi Bay	No Active Intervention	No Active Intervention	No Active Intervention
7.4: Opahi Bay	Limited Intervention	Limited Intervention	Adaptation Priority Area
7.5: Opahi south	No Active Intervention	No Active Intervention	No Active Intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 7: Mahurangi West, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure to include what area/stretch and timeframes you are referring to)

Unit 8: Te Muri Mahurangi (west) and Wenderholm

Unit 8 is located within the Rodney Local Board area. The coastline includes low energy, sandy pocket beaches, coastal cliffs and headlands; Te Muri estuary with established mangroves and saltmarsh habitat; Wenderholm barrier spit feature with its higher energy, easterly-facing beach and inner estuarine environment with established mangroves and extensive intertidal flats; dynamic vegetated dune systems of Te Muri Beach and Wenderholm Beach areas.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretches 8.1 to 8.6.



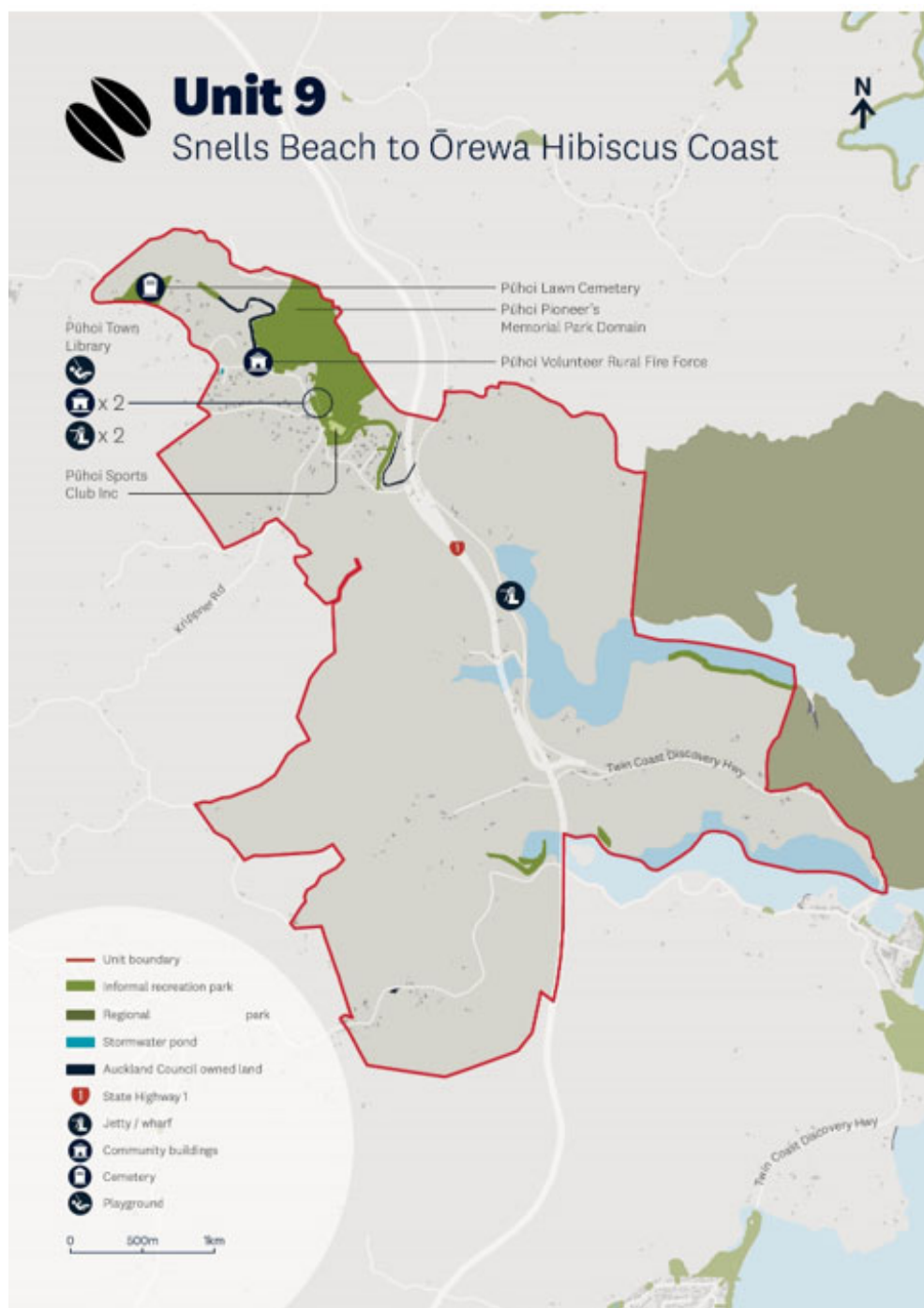
Stretch	Short term	Medium term	Long term
8.1 Te Muri North	Limited Intervention	Limited Intervention	Limited Intervention
8.2 Otarawao Bay	Limited Intervention	Adaptation Priority Area	Adaptation Priority Area
8.3 Te Muri south	Limited Intervention	Limited Intervention	Limited Intervention
8.4 Wederholm Schischka	Limited Intervention	Adaptation Priority Area	Adaptation Priority Area
8.5 Wenderholm Te Akeake	Limited Intervention	Limited Intervention	Limited Intervention
8.6 Wenderholm Maungatauhoro and Kokoru Bay	No Active Intervention	Limited Intervention	Limited Intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 8: Te Muri Mahurangi Regional Park (west) and Wenderholm, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure to include what area/stretch and timeframes you are referring to)

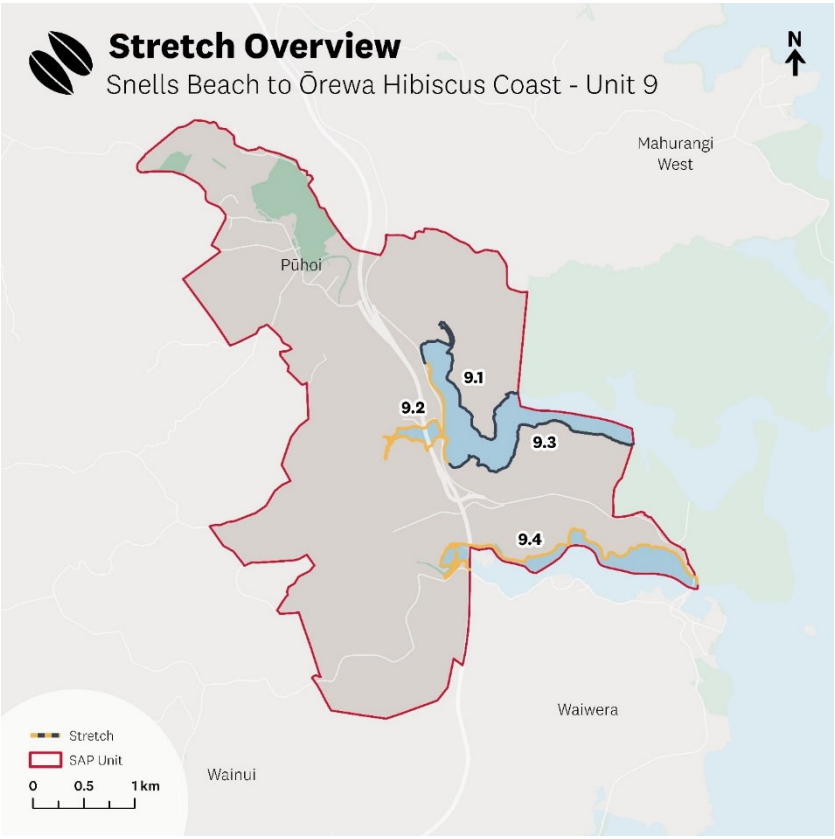
Unit 9: Pūhoi and Waiwera

Unit 9 is located within the Rodney Local Boards area. It includes the upper Pūhoi River and Waiwera estuary environments that are characterised by intertidal flats with established mangroves and main all-tide channels. These environments are sheltered from any significant wave energies but exposed to fluvial processes/events. Vegetated coastal cliffs are present along these coastlines. Water levels in these estuarine environments can be elevated during storm surge and extreme events. This can result in coastal inundation of immediately adjacent low-lying land. Extreme rainfall may also trigger flooding along the estuary banks or further exacerbate coastal inundation. This unit includes the Hibiscus Coast Highway and Pūhoi village area (Stretch 9.1) in the upper reaches of the Pūhoi River estuary, to the west of the Wenderholm Regional Park (Stretches 9.2 and 9.3) while Stretch 9.4 forms the northern side of the Waiwera estuary, again to the west of the regional park area.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretches 9.1 to 9.4



Stretch	Short term	Medium term	Long term
9.1: Puhoi Inlet north	Limited Intervention	Limited Intervention	Limited Intervention
9.2: Pohuehue Road	Limited Intervention	Limited Intervention	Limited Intervention
9.3: Puhoi River / Wenderholm Esplanade	No Active Intervention	No Active Intervention	No Active Intervention
9.4: Waiwera Inlet north	No Active Intervention	No Active Intervention	Limited Intervention

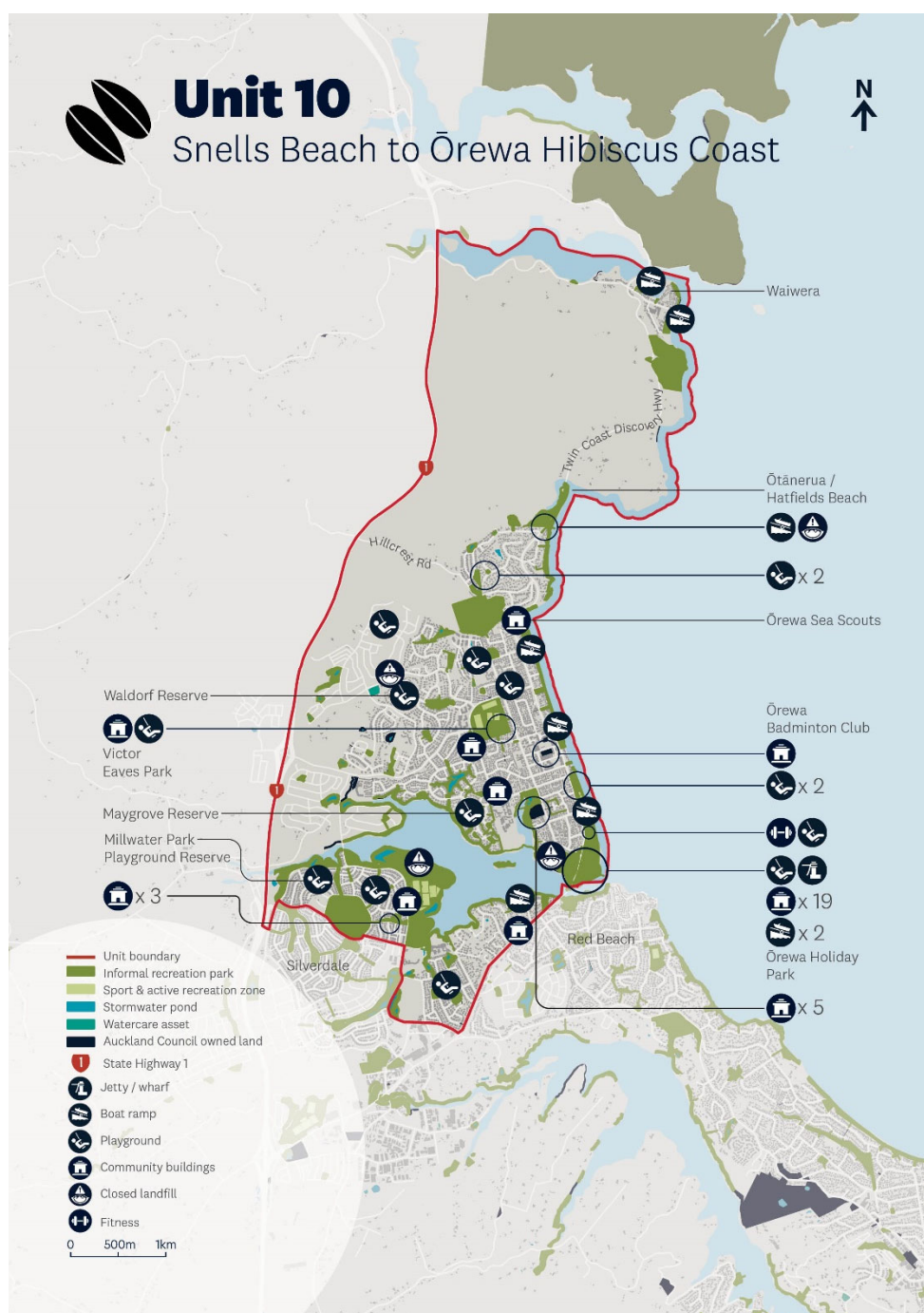
Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 9: Puhoi & Waiwera west, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure to include what area/stretch and timeframes you are referring to)

Unit 10: Waiwera and Ōrewa

Unit 10, located within the Hibiscus and Bays Local Board area, includes the coastal areas south of Waiwera River, culminating in the south at Ōrewa Estuary. The coastline ranges from the estuarine environment of the southern shoreline of Waiwera Estuary dominated by established mangroves, intertidal flats and all-tide channels, vegetated coastal cliffs, to the more dynamic environments of Waiwera, Hatfields and Ōrewa beaches. Small, dynamic and vulnerable vegetated dune systems are present at these beaches.

At the southern end of this unit is Ōrewa Estuary, characterised by extensive intertidal flats ranging from sandy to fine grain sediments, all-tide channels, and areas of established mangroves in the upper reaches. Small dynamic and vulnerable vegetated dune systems are present at Waiwera, Hatfields and Ōrewa beaches. At times these dunes are significantly eroded during storm events, and relatively slow to rebuild naturally.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretches 10.1 to 10.12.



Stretch	Short term	Medium term	Long term
10.1: Waiwera Inlet southwest	Limited Intervention	Limited Intervention	Adaptation Priority Area
10.2: Waiwera Inlet south	Limited Intervention	Limited Intervention	Adaptation Priority Area
10.3: Waiwera East Inlet	No Active Intervention	No Active Intervention	No Active Intervention
10.4: Waiwera Beach	Limited Intervention	Adaptation Priority Area	Adaptation Priority Area
10.5: Waiwera to Hatfields Beach	No Active Intervention	No Active Intervention	No Active Intervention
10.6: Hatfields Beach	Limited Intervention	Limited Intervention	Adaptation Priority Area
10.7: Hatfield's Beach to Ōrewa	Limited Intervention	Adaptation Priority Area	Adaptation Priority Area
10.8: Ōrewa Beach North	Limited Intervention	Adaptation Priority Area	Adaptation Priority Area

Stretch	Short term	Medium term	Long term
10.9: Ōrewa Beach central	Hold the Line	Hold the Line	Adaptation Priority Area
10.10: Central Beach	Limited Intervention	Limited Intervention	Adaptation Priority Area
10.11: Ōrewa Beach Reserve south (Riverside Road to Highway bridge)	Adaptation Priority Area	Adaptation Priority Area	Adaptation Priority Area
10.12: Ōrewa Estuary	Limited Intervention	Limited Intervention	Adaptation Priority Area

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 10: Waiwera to Orewa, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure to include what area/stretch and timeframes you are referring to)

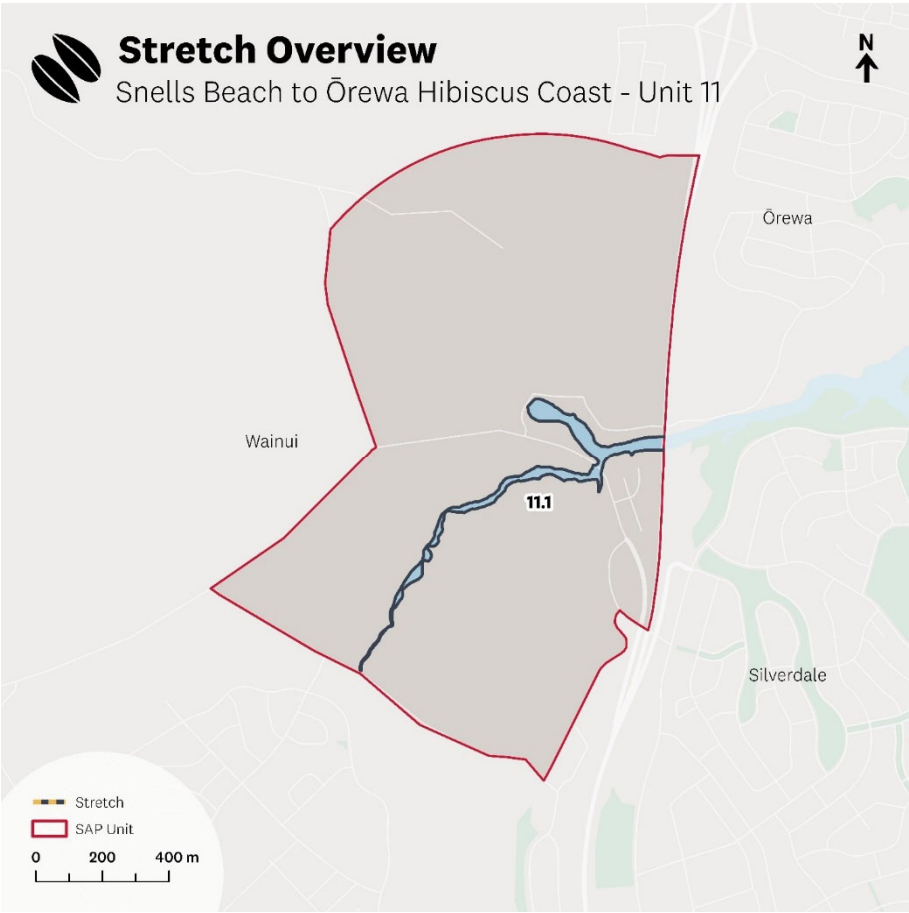
Unit 11: Silverdale

Unit 11 is located within the Rodney Local Board area. It includes the tidal-influenced catchment area west of the SH1 road bridge. This includes the upstream tidal-influenced channels (Waterloo and Ōrewa River) that feeds into the Ōrewa estuary. The channel is characterised by muddy sediments and intertidal banks, with established mangroves. This unit is sheltered from any significant wave energies and dominated by fluvial processes with a tidal influence.



Draft coastal adaptation strategies

To answer this section, please refer to Table 1 (above), which describes the adaptation strategies, and the map below, which shows the location of stretch 11.1.



Stretch	Short term	Medium term	Long term
11.1: Upper Ōrewa Estuary	No active intervention	Limited Intervention	Limited Intervention

Reflecting on the table above and the write up in the draft adaptation strategy report for Unit 11: Silverdale, are there any areas you think we should apply a different strategy?

(Tell us which area and why you think the strategy should be changed. Please ensure to include what area/stretch and timeframes you are referring to)

Other feedback

Do you have any other feedback on the Snells Beach to Ōrewa Shoreline Adaptation Plan?

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Need more room? You can attach extra pages.