

Memorandum

18 July 2024

To: Parks Environment and Planning Committee
All local board members

Subject: Regional Coastal Renewals Work Programme Update 2024/2025

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Purpose

1. To provide an update on the coastal asset renewals work programme for the 2024/2025 financial year.

Summary

2. The council owns a portfolio of coastal assets that provide a coast protection, recreation or amenity function, including wharves, jetties, seawalls and boat ramps. These assets are managed by the Parks and Community Facilities department.
3. The coastal asset renewals programme provides for the upgrade and revitalisation of these coastal assets. The Engineering, Assets and Technical Advisory department manage the renewals work programme, while the Parks and Community Facilities department remain responsible for the operation and maintenance of the assets, and associated budgets, on behalf of local boards.
4. Renewals are undertaken when an existing asset is near the end of its useful life and when maintenance is no longer sufficient to keep it in an appropriate condition. The coastal renewals work programme is a regional budget managed at an operational level under delegation.
5. The coastal renewals programme is developed considering the given assets' condition, or because of the need to undertake urgent storm responses. Alignment with the findings of area-specific Shoreline Adaptation Plans (where available) is also reflected in the programme.
6. Technical decision-making on renewals at an Auckland-wide scale ensures a risk-based and equitable approach to maintaining council's coastal assets to a good standard and safe condition, that meet the required level of service. To support this process in a consistent and co-ordinated manner, an eligibility and prioritisation criteria have been developed.
7. Sixteen coastal asset renewal projects were successfully delivered across the Auckland region in the 2023/2024 financial year. Attachment A provides a summary of all completed projects, and Attachment B shows supporting images for a selection of the completed projects.
8. The total available long-term plan budget for this programme for the 2024/2025, 2025/2026, and 2026/2027 financial years is \$41.1 million. In 2024/2025 a budget of \$13.2 million is available. This will be allocated to 55 projects in the work programme, which includes a range of pre-existing projects that will move to delivery from last financial year, along with 15 new projects. The 2024/2025 coastal renewals work programme is provided in Attachment C.
9. Quarterly reporting on the projects will continue to be provided to respective local boards through their regular work programme reporting processes. Bi-annual reporting for the work programme will be provided to Planning Environment and Parks Committee.

Context

10. The Parks and Community Facilities department manage a portfolio of over approximately 1,700 coastal assets. These assets often provide protection of council-owned land from coastal processes that can otherwise result in coastal erosion and inundation. They can also provide community services and amenity, including enabling access to and along our coast and supporting coastal recreation activities such as boating. These assets are often in high-profile locations and considered to be of regional importance.
11. The coastal renewals work programme is supported by a regional budget that covers the renewal of the above assets at an Auckland-wide scale¹. Renewals are undertaken when an existing asset is near the end of its useful life and when maintenance is no longer sufficient to keep it in a serviceable and safe condition, and to maintain the levels of service the asset was originally intended to provide.
12. The coastal asset renewals work programme delivers the above outcomes while ensuring our future structures are resilient to the future impacts of coastal hazards and climate change. The allocated long-term plan budget is approximately \$41.1 million over the next three years (2024/2025, 2025/2026 and 2026/2027 financial years). For the 2024/2025 financial year a budget of \$13.2 million is available.
13. Coastal assets considered within the coastal renewals programme include:
 - assets that provide a protection function against coastal processes and subsequent coastal erosion and coastal inundation hazards (including seawalls, revetments, coastal retaining walls and wave attenuation structures)
 - assets that support coastal recreation and maritime activities that require specialist coastal engineering input for design and construction (including boat ramps, wharves, pontoons).
14. Decisions on which assets to renew are led by the new Engineering, Assets and Technical Advisory department (formerly Resilient Land and Coasts). The asset management, ongoing operation and maintenance activities remains the responsibility of Parks and Community Facilities as the asset owner and is predominantly undertaken on behalf of local boards.
15. The coastal renewals programme is developed considering the given assets' condition, or because of the need to undertake urgent storm responses. Alignment with the findings of area-specific Shoreline Adaptation Plans² (where these have been developed and approved, including mana whenua cultural aspirations), the Coastal Management Framework and Te Tāruke-ā-Tāwhiri: Auckland's Climate Plan is also considered across the programme.

Discussion

Management of the coastal renewals work programme

16. The coastal renewals budget is a regional budget managed at an operational level by staff under delegation. Enabling technical decision-making on an Auckland-wide basis ensures a risk-based and equitable approach to maintaining council's coastal assets to a good standard and safe condition, that meet the required level of service.
17. Since mid-2021, the delivery of the coastal renewals programme has been managed by the Resilient Land and Coasts department (now Engineering, Assets and Technical Advisory). Since June 2023 this has been managed directly by the coastal team. This approach has combined the project management, technical inputs, and governance requirements within one team to optimise the scoping and delivery of the programme.

¹ Other parts of the council family also own and manage coastal assets (notably Auckland Transport) but have access to separate budgets for their operational maintenance and capital renewal.

² These plans are being developed to inform the high-level strategies in the short, medium and long-term for council-owned land and assets – see the Shoreline Adaptation Plan [page](#) for more information.

18. Recognising the vast number and types of publicly owned coastal structures in the Auckland region and the finite funding that is available each year, an eligibility criteria has been developed to guide the assets that are suitable to be included. This includes definitions of asset ownership, the appropriate types of coastal assets and the scope of renewals work.
19. Coastal renewal projects are identified based on the asset's condition grading or because of the need to undertake urgent storm response. As Shoreline Adaptation Plans continue to be developed and approved across the region, alignment of coastal renewals projects and Shoreline Adaptation Plan implementation will be further demonstrated (as appropriate).
20. The coastal asset renewals programme is a regional and risk-adjusted programme³ to maximise the number of projects that can be included on the programme, manage their prioritisation and provide flexibility in the delivery of the work programme. This is essential, noting the technical and complex nature of coastal projects, including identification and design of appropriate engineering solutions, provision for iwi input, obtaining necessary resource and building consents and undertaking physical works in the coastal environment (that is subject to tides and inclement weather conditions), and subsequent potential for unforeseen cost and delivery impacts.
21. To support management and risk-adjustment of the programme, a prioritisation criteria has also been developed and has informed development of the upcoming renewals programme. This criteria includes health and safety, contractual risks, level of service, asset criticality, cost, adaptation and resilience.

Previous work programme – 2023/2024

22. The 2023/2024 financial year coastal renewals work programme was presented to the to the Planning, Environment and Parks Committee in August 2023 as part of the wider Customer and Community Services regional capex work programmes ([PEPCC/2023/101](#)).
23. In response to the successive coastal storm events that were experienced over the 2023 calendar year, several new projects were incorporated onto the coastal renewals programme over the course of 2023/2024. This has included emergency works at Snells Beach, Browns Bay and Murrays Bay.
24. A number of significant projects have been successfully completed over the course of FY23/24. These projects are summarised in Attachment A and a select portfolio of completed projects in Attachment B.
25. Significant projects completed over this financial year include:
 - Realignment and reconstruction of the timber retaining seawall at **Snells Beach (Rodney)** following 2023 storm damage to enhance the dry high tide beach area and protect the esplanade reserve at Sunburst Avenue.
 - Foreshore remediation at **Browns Bay (Hibiscus and Bays)** including removal of legacy rock, rebuild of an appropriately designed rock revetment with integrated coastal accessways and reshaping and replanting of a 70m naturalised coastal edge.
 - Emergency works to rebuild the failed seawall at **Murrays Bay (Hibiscus & Bays)** with a masonry seawall following 2023 storm damage to protect critical wastewater infrastructure and maintain access to and along the coast.
 - Significant maintenance of the **Maraetai Wharf (Franklin)** including renewal of the safety decking, pier caps, beams, piles, cross bracings and safety rails as required.
 - Renewal of the piles, pontoons and boat ramp at **Kawakawa Bay Boat Club (Franklin)**.

³ Risk adjustment enables the projects that present the highest risk (likelihood and consequences of ongoing deterioration or failure of a structure) to be prioritised.

Upcoming work programme – 2024/2025

26. The programme that has been developed for 2024/2025 is detailed in Attachment C. Overall the programme consists of 55 projects of varying size, geographical location and coastal asset type. The work programme includes 40 projects which are currently underway, along with provision of 15 new projects.
27. Development of the work programme aligns with the Long-term Plan 2024-2034 investment principles to set budgets based on finishing projects that have started and making the most out of the assets we have. As previously noted, staff are also guided by recent condition assessments of coastal assets, urgent works required in response to storm damage and the strategic direction of relevant Shoreline Adaptation Plans (where completed).
28. New projects for the work programme this year include a range of seawalls, retaining walls, beach enhancements and wharves, including:
 - seawall renewal of existing, poorly designed rock-rip armouring at Arkles Bay with an appropriately designed and consented rock revetment (Hibiscus and Bays)
 - renewal of the stream training walls at the southern end of Eastern Beach, Macleans Park (Howick)
 - renewal of the coastal timber piled retaining wall to prevent undermining of the Rotary Walkway in the Tāmaki Estuary (Howick)
 - renewal of coastal access structures and coastal walkway connections to reduce exposure to coastal hazards at Maraetai Beach (Franklin)
 - significant maintenance works of the rock masonry seawall at Mulberry Grove, Great Barrier Island (Aotea).
29. Ongoing engagement with iwi, local boards, local communities and asset owners informs the strategic assessment and scope of each project. Coastal hazards, climate change and sea-level rise are key considerations in the planning and design of coastal renewals.
30. Notable projects scheduled for delivery in 2024/2025 include repairing the pontoon at Hinemoa Park, Birkenhead, renewal of the seawall and boat ramp at Big Bay Reserve at Manukau Heads, renewing the sea wall and beach access at Glenbrook Beach, and renewing the rock wall and ramp at Sunkist Bay Reserve, Beachlands.

Communication and engagement

31. Impacts on Māori are assessed, and engagement with mana whenua partners is undertaken on a project-by-project basis and where a resource consent is required. A specialist Senior Māori Outcomes Advisor supports consultation with mana whenua during the strategic assessment and initiation phases so that Māori outcomes are built into project scopes. Mana whenua engagement is ongoing throughout project development including during the design process where the projects have been identified as particularly important to mana whenua.
32. The coastal asset renewals programme is informed in part by the Shoreline Adaptation Plans that have been developed to date. Their development includes extensive iwi engagement both at a rohe and SAP area-specific level. As plans are completed across the region, the cultural values and aspirations of iwi will be applied across the coastal renewals work programme to give effect to the findings of the Shoreline Adaptation Plans as key strategic documents and enhance mana whenua engagement on a project specific basis.
33. Engagement with communities and key stakeholders is undertaken on a project specific basis. As outlined under council Engagement Guidelines (Auckland Council, 2023) there is a spectrum of public participation from inform through to empower. The appropriate level of engagement is determined on a project specific basis and is guided by a range of factors including the scope of the renewal (significant maintenance to full replacement), the number of assets included, and anticipated level of public interest.

34. Local boards receive updates on the progress of the coastal renewals work programme on a quarterly basis through their local board work programme reporting. In addition, project specific engagement is completed at key milestones and decision-making points (i.e. completion of the coastal processes and options assessment) via local board workshops and business meetings.
35. A memorandum summarising the programme is sent to the Planning, Environment and Parks Committee to confirm the new work programme at the turn of the financial year (this memo).

Next steps

36. Staff will continue to deliver the coastal renewals programme and its associated budget under delegation.
37. Regular updates will continue to be provided to the relevant local boards and mana whenua throughout the year.
38. An update memo will be provided to the Planning, Environment and Parks Committee in February 2025 to outline progress on the renewals programme over quarter one and quarter two.

Attachments

- Attachment A – Summary of completed coastal renewals 2023/2024
- Attachment B – Portfolio of key recently completed coastal renewals
- Attachment C – 2024/2025 Coastal Renewals Work Programme

Attachment A

Table 1: Summary of completed coastal renewals projects in FY23/24

| Project Name | Description |
|--|---|
| Bottle Top Bay Esplanade | Renewal of the fishing jetty platform at Bottle Top Bay Esplanade Reserve |
| Browns Bay Foreshore Remediation | Stage 1 of the foreshore remediation works post storm damage. Works include removal and restacking of the legacy rock revetment, reshaping and planting |
| Kawakawa Bay Wharf⁴ | Investigation, design and repair of the wharf at Kawakawa Bay |
| Kawakawa Bay Boat Club | Renew the boat ramp pontoon piles and boat ramp at Kawakawa Bay which is leased to the Kawakawa Bay Boat Club. |
| Maraetai Wharf¹ | Significant maintenance of the Maraetai Wharf including renewal of the safety decking and corroded connections between jetty and wharf head, renewal of pier caps, beams, piles, cross-bracings and safety rails as required. |
| Milford Beachfront Reserve – renew the seawall stairs | Renew the beach access stairs which form part of the Milford Beach seawall in order to secure safe access to the beach |
| Murrays Bay Seawall | Emergency works project post Cyclone Gabrielle failure of seawall |
| Onehunga Bay Reserve, renew sluice gates | Renewal the sluice gates at Onehunga Bay Reserve Lagoon. |
| Point Wells Jetty¹ | Investigation, design and repair of the wharf at Point Wells |
| Scotts Landing Wharf – renew seawall | Renew the rock revetment seawall surrounding Scotts Landing, Mahurangi with a new rock masonry seawall. |
| Scotts Landing Wharf and Shelly Beach Wharf - remediate wharves | Renew Scotts Landing Wharf and Shelly Beach Wharf including (but not limited to) gangways, replacement of corroded bolts and welds, replacement of diagonal trusses, decking and timber kerb, replacement of concrete spalling and pile caps (as required). |
| Snells Beach Seawall | Emergency works project to renew the storm damage at Snells Beach following the successive coastal storm events experienced over 2023. |
| Sunkist Bay Wharf¹ | Investigation, design and repair of wharf at Sunkist Bay. |
| Wairau Estuary Reserve (Milford Marine) – repair timber seawall¹ | Renew and replace the failing timber retaining wall at Milford Marina to address subsidence issues and ensure the wall remains fit for purpose. Stage 1 emergency works underway. |
| Waiwera Beach – renew seawall | Renew the seawall at Waiwera Place Reserve and along to Strand Reserve. Works will include renewal of resource consent where required. |
| Willjames Avenue Esplanade, Algies Bay – renew seawall² | Renew the seawall along Willjames Avenue Esplanade, Algies Bay, including the foreshore access. |

⁴ Physical works underway at time of drafting update memo and due for imminent completion

Attachment B – Portfolio of completed projects

Snells Beach Seawall Renewal (Rodney)



Figure 1: Snells Beach seawall and walkway damage incurred over successive 2023 coastal storm events



Figure 2: Completed renewal with realigned timber retaining wall and integrated beach accessways. Completed December 2023

Murrays Bay Seawall Renewal (Hibiscus & Bays)



Figure 3: Murrays Bay seawall failure following Cyclone Gabrielle



Figure 4: New masonry rock seawall completed in September 2023

Kawakawa Bay Pontoon Replacement (Franklin)



Figure 5: Pile, Pontoon and boat ramp renewal at Kawakawa Bay Boat Club, completed in December 2023

Waiwera Rock Revetment (Hibiscus & Bays)



Figure 6: Re-design and reconstruction of legacy rock rip-rap with formalised and consented rock revetment. Completed June 2024

Browns Bay Foreshore Remediation (Hibiscus & Bays)



Figure 7: Significant beach erosion and exposure of legacy rock rip-rap at Browns Bay south following successive coastal storm events



Figure 8: Browns Bay foreshore remediation including removal of legacy rock and rebuild of appropriately designed rock revetment (south of image) and naturalisation of 70m stretch including reprofiling and replanting. Stage 1 completed June 2024.

Scotts Landing Seawall (Rodney)



Figure 9: Scotts Landing Seawall Renewal

ABS Regional CAPEX Coastal Asset Renewals Work Programme

| Project Name | Project Description | WP Planning Status | Local Board | FY24/25 budget | Proposed FY25/26 | Comments |
|---|---|--------------------------------|-----------------|----------------|------------------|--|
| Kawakawa Bay boat club - renew boat ramp pontoon piles | Renew the boat ramp pontoon piles and boat ramp at Kawakawa Bay. Coastal renewal project to include all supporting investigations, detailed design, consenting and physical works. | Carry Forward Project: Close | Franklin | \$0 | \$0 | Construction works are complete and the boat ramp has been reopened to the public. In order to address some defects, the project will remain on the work programme. |
| Big Bay Reserve - renew coastal assets | Renew seawall and boat ramp at Big Bay Reserve following ongoing damage to the structure that is no longer sustainable to remedy through operational maintenance. The project includes detailed design of an appropriate structure considering adjacent Pohutukawa trees, consenting and physical works. | Carry Forward Project: Deliver | Franklin | \$1,000,000 | \$210,000 | Consent for physical works received. Physical works to commence in Q1 FY24/25. |
| Big Omaha | Construct a 33m long grouted rock seawall at Big Omaha Wharf Road, to replace a legacy tipped rock revetment and the foundations of a former toilet block that provided informal coast protection at the site. The coastal renewal is being undertaken as part of the wider toilet block renewal project. FY24-25 funding will be to complete the physical works which are currently underway. | Carry Forward Project: Deliver | Rodney | \$50,000 | \$100,000 | Coastal renewals funding provided to support seawall renewal as part of wider renewal project. |
| Browns Bay Foreshore Remediation | Foreshore remediation work at Browns bay beach in response to October 2023 storm events. Stage 1 has focussed on emergency works to recover exposed rock, rebuild a rock revetment to protect key infrastructure and naturalisation of approximately 70m of the reserve including dune planting. The need for continuation of the works with a Stage 2 to address the failing masonry wall at the southern end of the beach and stream training wall has been identified and will be undertaken in FY24/25. | Carry Forward Project: Deliver | Hibiscus & Bays | \$200,000 | \$400,000 | Storm response, risk adjusted project for FY23/24. Stage 1 physical works completed. The need for a Stage 2 to address the failing section of masonry wall and stream training wall has been identified. |
| Maraetai Wharf - Remediation | Renew the safety decking and corroded connections between jetty and wharf head, and renew all pier caps, beams, piles, cross bracings, and safety rails as needed. | Carry Forward Project: Deliver | Franklin | \$0 | \$0 | Physical works commenced in June 2024. Project will remain on the FY24-25 work programme until formal closure. |
| Point Wells jetty | Investigation, design and repair of wharf. FY24-25 funding will be to complete the physical works which are currently underway. | Carry Forward Project: Deliver | Rodney | \$5,000* | \$0 | Physical works commenced in June 2024. Project will remain on the FY24-25 work programme until formal closure. |
| Scotts Landing Wharf - renew seawall | Renew the rock revetment seawall that armours the parking and adjacent grassed area at Scotts Landing with an appropriately designed rock masonry seawall. | Carry Forward Project: Deliver | Rodney | \$0* | \$0 | Physical works completed. In order to address some defects, the project will remain on the work programme. |
| Sunkist Bay wharf | Investigation, design and undertake substantive repairs of wharf to extent current design life. SAP ID 1000076523 | Carry Forward Project: Deliver | Franklin | \$80,000 | \$0 | Project scheduled for delivery in Q1. |
| Waiwera Beach - renew seawall | Renew the seawall at Waiwera Place Reserve and along to Strand Reserve. Works will include renewal of resource consent where required. FY22/23 - investigation and design. FY23/24 - physical works. Risk Adjusted Programme (RAP) project. | Carry Forward Project: Deliver | Hibiscus & Bays | \$0 | \$0 | Physical works completed. Will remain in the work programme until project closure. |
| Attwood reserve wharf and boat ramp | The boat ramp located in Attwood reserve has failed. The Wharf stairs are damaged with some missing treads. In addition, both structures have a significant marine borer damage. Design and construction of repairs will be carried out within this project. Recent fire damage incurred during the early stages of the project development will also be addressed within this renewal. | Carry Forward Project: Plan | Upper Harbour | \$300,000 | \$300,000 | |
| Clarks Beach and adjoining accesses - renew steps and fences | Renew Hoskings Beach access, Halls access steps and Knights beach coastal accessways. Obtain comprehensive consents including for Bradleys and 165 Torkar Road accessways collectively which are not currently consented. | Carry Forward Project: Plan | Franklin | \$400,000 | \$0 | Renewal of Hoskings beach access and Halls access steps along with comprehensive resource consent application for Halls, Hoskings, Bradleys, and 165 Torkar Road accesses. Detailed design for Knights access is being undertaken under a separate contract noting complexity of renewal at this location. |
| Cliff Road, St Heliers - coastal protection | Investigate options for appropriate coastal protection between the existing seawall and the stormwater outfall at Cliff Road, St Heliers. Following completion of options report, project will progress with detailed design, consenting and physical works of the preferred option. Project also includes obtaining appropriate updated consents for the existing seawall. | Carry Forward Project: Plan | Ōrākei | \$300,000 | \$300,000 | Preferred option identified, moving to detailed design. |
| Farm Cove beach replenishment | Stage 2 of the Bramley Drive Project to complete beach renourishment at Farm Cove to mitigate end effects and improve beach amenity. | Carry Forward Project: Plan | Howick | \$300,000 | \$1,000,000 | |
| Glenbrook beach - Investigate renewal of wave barrier and boat ramp | Renew the wave barrier and boat ramp at Glenbrook Beach. The first stage is to assess options and preliminary design to support consultation on a preferred option. | Carry Forward Project: Plan | Franklin | \$300,000 | \$450,000 | |
| Glenbrook Beach Beachfront - renew coastal assets | Renew the Glenbrook Beach beachfront seawall and pedestrian access to the foreshore. Coastal renewal project to consider options, detailed design, consenting and physical works. | Carry Forward Project: Plan | Franklin | \$1,250,000 | \$750,000 | |

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| Hinemoa Park - repair failed pontoon | A wharf pontoon has failed and needs repair. Additionally, investigation is needed to establish the health of the other pontoons and renew these as required. Coastal renewal project to investigate and renew the pontoon piles and pontoon including detailed design, consultation, consenting and physical works. | Carry Forward Project: Plan | Kaipatiki | \$500,000 | \$50,000 | |
| Howick Beach - renew seawall | Renew the seawall near the boat club to repair damage from storms and realign the wall to better link to other wall segments in the area. | Carry Forward Project: Plan | Howick | \$300,000 | \$50,000 | |
| Kawakawa bay - Investigate, design and repair wharf | Investigation, design and repair of wharf. FY24-25 funding will be to complete the physical works which are currently underway. | Carry Forward Project: Plan | Franklin | \$50,000 | \$0 | Project scheduled for delivery in Q1. |
| Kawakawa Bay Boat Ramp - resurfacing | Resurface the boat ramp at Kawakawa Bay, including the turning circle at the head of the ramp. | Carry Forward Project: Plan | Franklin | \$300,000 | \$150,000 | The tender for construction has been issued. Works expected to commence by August 2024. |
| Kiwi Esplanade - renew the wharf and jetty | Investigate and renew the jetty which is located in the centre of the boat ramp, and the connecting retaining wall wharf on the western side of the boat ramp. The extent of the works required will be informed by detailed investigations which will primarily assess the condition of the wharf piles and other minor fittings. Includes maintenance of adjacent rock breakwater armour. | Carry Forward Project: Plan | Māngere-Ōtāhuhu | \$315,000 | \$50,000 | |
| Kiwi Esplanade - renew western and eastern seawalls | Condition assessment and investigation of options for the renewal of the western and eastern seawalls at Kiwi Esplanade. | Carry Forward Project: Plan | Māngere-Ōtāhuhu | \$500,000 | \$100,000 | |
| Long Bay Regional Park - renew footbridge at southern entrance | Renew the footbridge at the southern end of the Long Bay Regional Park which is currently in poor condition. Project includes all optioneering, detailed design, consenting and physical works. | Carry Forward Project: Plan | Hibiscus & Bays | \$500,000 | \$50,000 | A review of detailed design parameters and project risks associated with the proposed timber bridge design have prompted investigation of alternative materials. |
| Orakei Wharf - remediation | Renewal of the Orakei Wharf stairs and landing on Tamaki Drive. Project includes cleaning and condition assessment of structures, design, consenting and physical works. | Carry Forward Project: Plan | Ōrakei | \$300,000 | \$0 | Design and Build contract is currently out to tender. |
| Pollok Wharf Road Reserve - renew timber seawall | Renew the timber retaining wall to ensure that it remains fit for purpose and maintains current service levels. | Carry Forward Project: Plan | Franklin | \$150,000 | \$70,000 | |
| Putaki Bay and Ostend Domain - staircase | Renew the coastal access staircase and the boat ramp by the Sea Scouts Hall at Putaki Reserve. Risk Adjusted Programme (RAP) project. | Carry Forward Project: Plan | Waiheke | \$150,000 | \$50,000 | |
| Rainbows End Reserve - repair jetty and piles | Repair the jetty (SAP ID 1000583372) and piles at the reserve. | Carry Forward Project: Plan | Rodney | \$90,000 | \$0 | Contract for the jetty repairs is expected to be issued and works start mid-June. |
| Sulphur Beach Reserve jetty - replace piles and handrails | Replace the piles and the handrails on the jetty (SAP ID 1000017190) to extend current design life of structure. | Carry Forward Project: Plan | Kaipātiki | \$100,000 | \$40,000 | |
| Sunkist Bay Reserve - renew seawall | Renew the tipped rock seawall and ramp to repair damage caused by overtopping a storm event, and to ensure that it remains fit for purpose and able to maintain current service levels. This project will implement the recently completed Beachlands and East Shoreline Adaptation Plan including further engagement with Ngai Tai ki Tamaki. | Carry Forward Project: Plan | Franklin | \$700,000 | \$200,000 | Shoreline Adaptation Plan implementation project. |
| Tamakae Reserve - renew wharf structure | Renewal of the wharf structure at Tamakae wharf including completion of a strategic needs assessment to guide scope of the renewal project. | Carry Forward Project: Plan | Franklin | \$200,000 | \$1,000,000 | Strategic needs assessment will be presented to the local board in December 2024. |
| Wade River Road Reserve - renew timber wharf | Renew the timber wharf (SAP ID 1000012068) to ensure it remains fit for purpose. | Carry Forward Project: Plan | Hibiscus & Bays | \$200,000 | \$100,000 | |
| Wairau Estuary Reserve (Milford Marina) - repair timber seawall | Renew and replace the damaged timber seawall at Milford Marina to address subsidence issues and ensure that the wall remains fit for purpose. Works will also address filling in tomos making good any damage caused by the wall's slippage. | Carry Forward Project: Plan | Devonport-Takapuna | \$1,500,000 | \$900,000 | Auckland Council is working with the Milford Marina Association to coordinate the delivery of the Council-owned retaining walls, alongside the major redevelopment of the Marina |
| Willjames Avenue Esplanade, Algies Bay - renew seawall | This project will renew the seawall along Willjames Avenue Esplanade Reserve, Algies Bay. The project will enhance protection of the local reserve edge while providing an improved foreshore access point to ensure safe future access to the coast | Carry Forward Project: Plan | Rodney | \$150,000 | \$50,000 | |
| Little Shoal Bay - Renew Coastal Structure. | Project to implement the coastal renewals actions as identified through the Little Shoal Bay mini Shoreline Adaptation Plan. Works include investigation and design of options to address the informal groyne structure and coastal structures protecting the boat hard stand area at Little Shoal Bay following resolutions made to the Local Park Management Plan for this area. | Carry Forward Project: Strategic Assessment | Kaipātiki | \$200,000 | \$500,000 | Shoreline Adaptation Plan implementation project. |
| Magazine Bay wharf | Substantive repairs to wharf to address deterioration and extend service life. | Carry Forward Project: Strategic Assessment | Franklin | 100000 | 100,000 | |
| Omaha Wharf | Substantive repairs to wharf and pontoon at Omaha, Whangateau to extend current design life. | Carry Forward Project: Strategic Assessment | Rodney | \$210,000 | \$0 | Physical works due to commence early in Q1. |

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|---|---|--|-----------------------|-----------|-----------|--|
| Orewa North End Seawall Renewal | Fast Track Project: Consent and repair the existing seawalls of Northern End of Orewa beach between Kohu street and Arundel Reserve. | Carry Forward Project: Strategic Assessment | Hibiscus & Bays | \$300,000 | \$200,000 | |
| Port Albert Wharf | This project will focus on substantive repairs to the Port Albert Wharf to address marine borer damage to piles and address other structural defects to extend the design life and level of service of the structure. | Carry Forward Project: Strategic Assessment | Rodney | 100,000 | 100,000 | |
| Wairangi wharf | Investigation, design and repair of wharf stairs | Carry Forward Project: Strategic Assessment | Waitematā | \$200,000 | \$0 | |
| Whangateau Harbour Omaha Estuary - investigate and renew coastal assets | This new project will investigate options to renew the mudcrete and gabion basket seawalls on the eastern shore of Omaha estuary noting the poor condition of the existing structures and opportunities to consider the future resilience of the structures to coastal hazards and climate change. Risk Adjusted Project (RAP), previously on hold. | New Project (off hold) | Rodney | \$100,000 | \$500,000 | Risk adjusted project which was on hold for FY23/24. |
| Lake Pupuke - extend foreshore wall | Repair grouted rock lake-edge wall at Sylvan Park, extending edge repairs completed previously in 2022. Scope includes reconstruction of water access ramp and headland edging. Timing of work dependent on low lake levels. Project includes investigation, consenting, design and construction. | New Project : Plan (off hold) | Devonport-Takapuna | \$100,000 | \$50,000 | Risk adjusted project, on hold for FY23/24 which will recommence in FY24/25. |
| Point Wells Reserve Foreshore - renew seawall | Investigate options to renew the seawall along Point Wells Reserve foreshore. This will involve condition assessment of the existing structure, strategic assessment of integrated boat ramps and coastal accessways and consider the future resilience of the structure to coastal hazards and climate change. Risk Adjusted Programme (RAP) project, previously on hold. | New Project: Pipeline | Rodney | \$150,000 | \$700,000 | Risk adjusted project which was on hold for FY23/24. |
| Eastern Beach stream training walls | Renew the stream training walls at the southern end of Eastern Beach adjacent to Macleans Park. Recent condition assessment of the walls has noted the structure is in poor condition prompting inclusion within the work programme. | New Project: Pipeline | Howick | \$100,000 | \$500,000 | |
| Mathesons Beach | Investigation, design and consenting to renew the storm-damaged rock revetment at the eastern end of Mathesons Bay to improve its resilience to coastal processes. Once renewed the rock revetment will help slow coastal erosion through absorbing wave energy. | New Project: Pipeline | Rodney | 50,000 | 300,000 | |
| Rotary Walkway retaining wall | Renewal of a 30m coastal timber piled retaining wall to prevent undermining of the Rotary Walkway east of St Kentigern's College | New Project: Pipeline | Howick | \$200,000 | \$100,000 | |
| Tamaki River - Sanctuary Point Rotary Walkway renew gabion seawall | Project will focus on the renewal of the tiered gabion basket seawall at Fisher Parade Esplanade, Sanctuary Point Farm Cove | New Project: Pipeline | Howick | \$100,000 | \$300,000 | |
| Tahuna Torea Beach Management | Investigate options to renew the groynes and protect the beach at Tahuna Torea on the Tamaki Estuary. The groynes are currently in poor condition. This new project will commence with establishment of the scope and engagement of an appropriate design engineer to consider the coastal processes, issues and options. | New Project: Pipeline | Ōrākei | \$100,000 | \$500,000 | |
| Victoria wharf Devonport | Inspect wharf concrete substructure condition including below water. Potential repairs to follow pending results of inspection. | New Project: Plan | Devonport-Takapuna | \$100,000 | \$300,000 | |
| Hudsons Beach | Replacement of the existing timber seawall post cyclone Gabrielle damage. | New Project: Plan | Franklin | \$150,000 | \$450,000 | |
| Taipari Strand - renew coastal assets | Replace the retaining wall (SAP ID 1000013113) and seawall (SAP ID 1000039446). Risk Adjusted Programme (RAP) project, previously on hold. | New Project: Plan (off hold) | Henderson-Massey | \$50,000 | \$200,000 | Risk adjusted project which was on hold for FY23/24. |
| Foster Bay, Huia - seawall and groyne renewal | Renew the seawall and rationalise the stormwater outfalls at Fosters Bay, Huia. Coastal renewal project to consider remediation options in alignment with the Manukau North Shoreline Adaptation Plan, consultation, detailed design, consenting and physical works of preferred option. | New Project: Plan (off hold) | Waitākere Ranges | \$300,000 | \$500,000 | This project has been on hold to enable the Shoreline Adaptation Plan for this area to be completed. The project will recommence with community, stakeholder and iwi engagement to identify the preferred option and proceed with detailed design. Shoreline Adaptation Plan implementation project. |
| Mulberry Grove - seawall renewal | The subject Mulberry Grove shoreline is armoured by a rock masonry seawall that is overtopped frequently by waves. This has resulted in scour of the adjacent reserve surface. Continued wave overtopping will impact upon seawall integrity, with backfill material also scouring out from under the toe of the seawall in places. The existing seawall provides protection to the adjacent reserve and road from coastal processes. The proposal involves undertaking maintenance works on the structure, to extend the seawalls functional life for the short to medium term. Risk adjusted Programme. | New Project: Strategic Assessment (off hold) | Aotea / Great Barrier | \$100,000 | \$500,000 | Risk adjusted project which was on hold for FY23/24. Has recommenced in Q4 with an engineering site visit. Scope is being finalised for delivery in FY24/25. |

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| Arkles Bay Seawall Renewal | The existing rock rip rap extends for approximately 90m in length, armouring the western end of Arkles Bay. The existing structure consists of poorly stacked rock of poor sizing. In places the rock has been outflanked due to overtopping and resulting erosion of the reserve behind. This project includes the appropriate design, consent and physical works to renew the structure. | New Project: Strategic Assessment | Hibiscus & Bays | \$200,000 | \$50,000 | |
| Maraetai beachfront seawall and walkways | Renew of coastal access structures including beach access steps and coastal walkway connections to reduce coastal hazard exposure. Improve resilience of the berm and durability of the berm\walkway running along the top of the Maraetai seawall to a more durable option. Noting the multiple asset owners, this project is being run by Resilient Land & Coasts Department in collaboration with Community Facilities and Auckland Transport and will give effect to the Beachlands and East Shoreline Adaptation Plan. | New Project: Strategic Assessment | Franklin | 150,000 | 800,000 | Shoreline Adaptation Plan implementation project. |
| Hatfields Beach Reserve - renew seawall | Renew the seawall at Hatfields Beach Reserve, including the renewal of the resource consent where needed. This project is currently on hold pending direction from AT. | On Hold | Hibiscus & Bays | \$0 | \$0 | During contractor engagement it was found that an Auckland Transport project had commenced in the area, with direct dependencies on this project's scope. Auckland Council and Auckland Transport are currently working together to identify project efficiencies and refine the project scope. |
| Island Bay - renew swimming pontoon | Renew the Island Bay swimming pontoon | On Hold | Kaipātiki | \$0 | \$0 | Project on hold, awaiting direction from Kaipātiki Local Board regarding community feedback. |
| Total | | | | \$13,245,000 | \$13,020,000 | |
| All projects funded by ABS Regional CAPEX | | | | | | |