

Kaipatiki Local Board Workshop Programme

Date of Workshop: Wednesday 23 March 2022

Time: 10.00am

Venue: Via Microsoft Teams

Time	Workshop Item	Presenter	Governance role	Proposed Outcome(s)
10.00am – 12.30pm	Local Board Annual Planning 5 - Draft local board work programmes 2022/2023	Heather Skinner Senior Local Board Advisor, Local Board Services	Setting direction	Define board position and feedback
		Daniel Han Local Board Advisor, Local Board Services		
		Eric Perry Local Area Manager, Local Board Services		
		Sugenthy Thomson Lead Financial Advisor, Financial Strategy and Planning		
		Trina Schuster Connected Communities Lead & Coach, Connected Communities		
		Sarah Jones Manager Area Operations – Kaipātiki & Devonport- Takapuna, Community Facilities		

Judy Waugh Work Programme Lead – Area Operations Kaipātiki & Devonport-Takapuna, Community Facilities Phillipa Carroll Senior Community Lease Advisor, Community Facilities Michelle Sanderson PSR Portfolio Manager, Parks Sports and Recreation	Setting direction	Define board position and feedback
Eryn Shields Team Leader – Planning, Plans & Places Jonathan Sudworth Local Economic Development Advisor, Auckland Unlimited		
Anna Boyer Senior Specialist: Community Heritage, Plans & Places Gill Plume		
BID Senior Advisor, CCO/External Partnerships Lisa Kent		
Team Leader Event Facilitation, Regional Service Planning, Investments & Partnerships		

Jonathan Hope Regional Work Programme Lead, Community Facilities	
Dawn Bardsley Naming Lead, Regional Service Planning, Investments & Partnerships	
Grant Jennings Manager Kauri Dieback & Track Specialist, Community Facilities	
Leigh Radovan Senior Project Manager – Kauri Dieback & Track, Community Facilities	
Angela Clarke Head of Service Investment & Programming, Regional Service Planning, Investments & Partnerships	
Nicola Perry Relationship Coordinator, Infrastructure & Environmental Services	
Naomi Layzell Manager Community Programme Delivery, Connected Communities	
Jamie Adkins Place and Partner Specialist, Connected Communities	

		Ali Keiller Senior Event Facilitator, Regional Service Planning, Investments and Partnerships Kimberley Rees Service and Asset Planning Specialist, Regional Service Planning, Investments and Partnerships	Setting direction	Define board position and feedback
12.30 – 1.15pm	Lunch			
1.15 – 2.15pm	Community Facilities • Lindisfarne hall	Pip Carroll Senior Community Lease Advisor, Community Facilities Sarah Jones Manager Area Operations – Kaipātiki & Devonport- Takapuna, Community Facilities	Setting direction	Define board position and feedback
2.15 – 2.30pm	Break			
2.30 – 3.30pm	Local board views on plan change to amend Historic Heritage Schedule	Emma Rush Senior Advisor Special Projects, Plans and Places Rebecca Freeman Senior Specialist Historic Heritage, Plans and Places	Setting direction	Define board position and feedback
3.30 – 4.30pm	Wai Manawa / Little Shoal Bay Mini Shoreline Adaptation Plan 2022	Tracy Howe Principal Natural Hazards	Setting direction	Define board position and feedback

Specialist,
Resilient Land and Coast
Nicki Williams
Wai Manawa / LSB Mini
SAP Facilitator,
Mitchell Daysh Limited
Sarah Jones
Manager Area Operations
- Devonport-Takapuna
and Kaipātiki, Community
Facilities
Richard Reinen-Hamill
Technical Director - Coastal Engineer,
Tonkin & Taylor
Josie Robinson
GIS Specialist,
Tonkin & Taylor

Next workshop: Wednesday 6 April 2022

6 April 2022	9.15am	9.50am	Board members time
			Community Facilities -
			Community Facilities
			Network Plan Revised Action
	10.00am	11.30am	Plan 2022
			Infrastructure &
	11.30am	12.30pm	Environmental Services
	12.30pm	1.15pm	Lunch
			Regional Service Planning,
	1.15pm	2.15pm	Investment and Partnerships
	2.15pm	3.15pm	AT
	3.15pm	3.30pm	Break
			Draft Regional Parks
	3.30pm	4.30pm	Management Plan (RPMP)

Role of Workshop:

- Workshops do not have decision-making authority.
- Workshops are used to canvass issues, prepare local board members for upcoming decisions and to enable discussion between elected members and staff. Workshops are open to the public however, decisions will be made at a formal, public local board business meeting.

 Members are respectfully reminded of their Code of Conduct obligations with respect to conflicts of interest and confidentiality.

 Workshops for groups of local boards can be held giving local boards the chance to work together on common interests or topics. (b) (c) (d)

Local board work programme

Kaipātiki Local Board



Scene setting





Local board work programme development **Business** Workshop Workshop meeting Workshop Approve work Finalise work Draft work Local board priorities programmes programmes programmes Staff develop work programmes February March May July August September October November December January **Business Business Business Business** meeting meeting meeting meeting Q4 report Q3 report Q1 report Q2 report

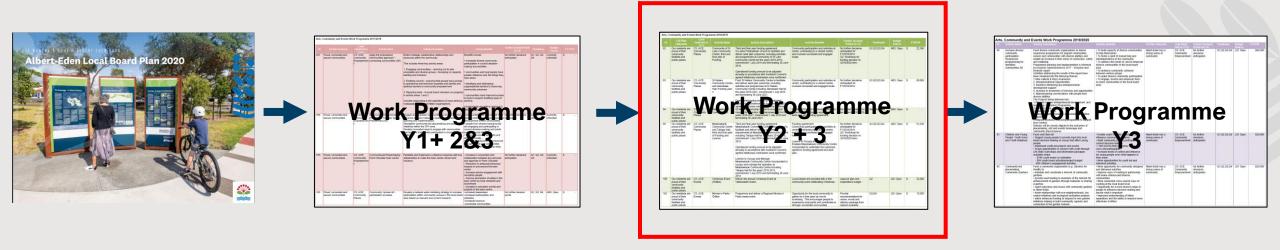


Purpose

- The purpose of this discussion is to provide feedback on the draft 2022/2023 work programme
- Staff have developed draft work programmes for 2022/2023 following work programme priorities workshops in November last year
- Deferrals of LDI Opex are not included, as they will be completed at the end of the financial year



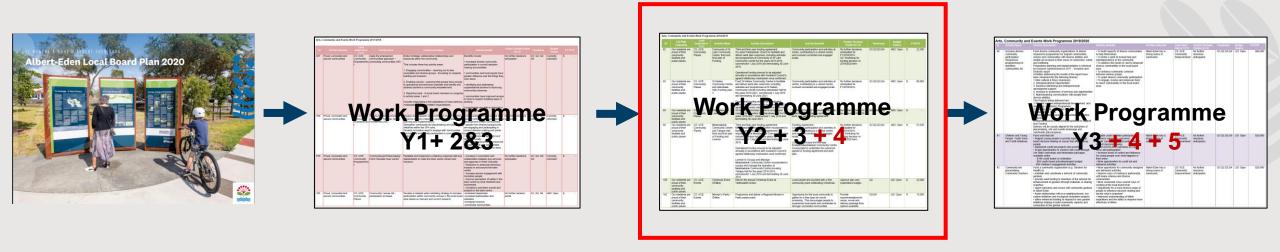
Three year Opex work programme



- The three-year opex work programme delivers on the Local Board Plan Outcomes.
- It is updated each year for the remaining years of the Local Board Plan and 10 year budget.
- This year, two years are presented as it is Year 2 of delivering the Local Board Plan.



Three year Capex work programme



- A three-year capex work programme continues to be presented every year (noting that the outer years are related to future Local Board Plan)
- This helps with the planning and implementation of the the longer term capital projects





Opex





LDI Opex budget

 The budget required for the draft work programmes exceeds the budget available

Prioritisation and phasing of the work programme is required

Estimated budget over allocated by \$36,400





Outcome 1 Belonging and Wellbeing





New / Change - 2022/2023

ID	Activity Name / Description	Proposed budget	Proposed budget amount	New / Change
3003	Junior Basketball provision assessment	LDI Opex	\$25,000	New
3444	EOI for youth providers to operate from Marlborough Park Youth Facility	LDI Opex	\$10,000	New
3457	Birkenhead Heritage Trail	LDI Opex	\$30,000	New





New / Change - 2022/2023

ID	Activity Name / Description	Proposed budget	Proposed budget amount	New / Change
2866	Legacy Rates Grants	ABS Opex	\$20,000	Change
236	Community Grants	ABS Opex + LDI Opex	\$16,312 (ABS) + \$149,456 (LDI)	Change





Outcome 2 Environment





ID	Activity Name / Description	Proposed budget	Proposed budget amount	New / Change
1000	Kaipātiki water quality monitoring and implementation programme	LDI Opex	\$43,000	Change
1002	Industrial Pollution Prevention Programme - sensor investigation and visits	LDI Opex	\$40,000	Change
	Kaipātiki Local Parks Maintenance for unscheduled maintenance or increase level of services	LDI Opex	\$10,000	New





Outcome 3 Places and spaces





	Activity Name / Description			New / Change
1313	Kaipātiki Local Parks Management Plan	LDI Opex	\$0	Change





Outcome 4 Transport and connections





ID	Activity Name / Description		Proposed budget amount	New / Change
2990	Kaipātiki Local Board Connections Plan Prioritisation	ABS Opex	\$0	New





Outcome 5 Opportunity and prosperity





ID		Proposed budget		New / Change
3042	Wairau Valley Business Engagement and Communications	LDI Opex	\$15,000	New





Projects to still come to the local board

Implementation of Glenfield Centre Plan

Community Owned Building - Glenfield

- Response to resolution KT/2021/230
- Regional Service Planning, Investment and Programming team will take the lead on providing an assessment, options and advice to the local board

- Tattico Report recommendations

- Workshop booked 13 April 2022 re: community groups taking over the management of Northcote War Memorial Hall (Highbury Community House) and Birkdale Hall (Birkdale Beach Haven Community Project)
- Note will likely be budget implications





Requires further discussion

Activity	Local Board Direction November 2021 workshop	Department Response
Additional Information: Grants / Community Response Fund	The board are keen to have a bit more flexibility in responding to the needs of the community in real time, rather than through the confines of the grants programme.	Requires further discussion with the local board
New potential project: Youth Grants	Opportunity to have a youth group run a grants process. With a budget of \$10k to youth to run and administer a grants round with clear protocols.	Requires further discussion with the local board
New project: Public Art / Murals	An annual project where local artists submit an EOI to develop and deliver a mural in the local board area each year.	Requires further discussion with the local board
New Project: Community organisations Covid readiness / resilience	Community organisations supported to be more resilient around Covid readiness / preparedness. One example of the current lockdown is the number of organisations that didn't have the capability to work from home due to not having the right processes and systems in place to make the move. LB keen to consider supporting the roll out of appropriate technology such as Xero.	Require further discussion with the local board





Capex





Work programme focus

- Focus on keeping existing assets in good condition:
 - Renewal projects prioritised based on asset condition, service need, implications of deferral
 - Renewals budget is less than the modelled renewals requirement
 - Some renewal deferral may be required due to potential cost escalation and supply chain constraints





Capex budget

- Year 2 of the LTP Recovery Budget Community capex budget allocation based on LTP 2021-2031
 - Subject to change through consultation feedback
 - Finalised when 2022/2023 Annual Budget adopted
- Capex budgets are constrained in FY23 and FY24 (first two years of work programme)
- Generally less constrained in FY25:
 - LDI Capex budgets return to 100%+
 - Growth budget increases



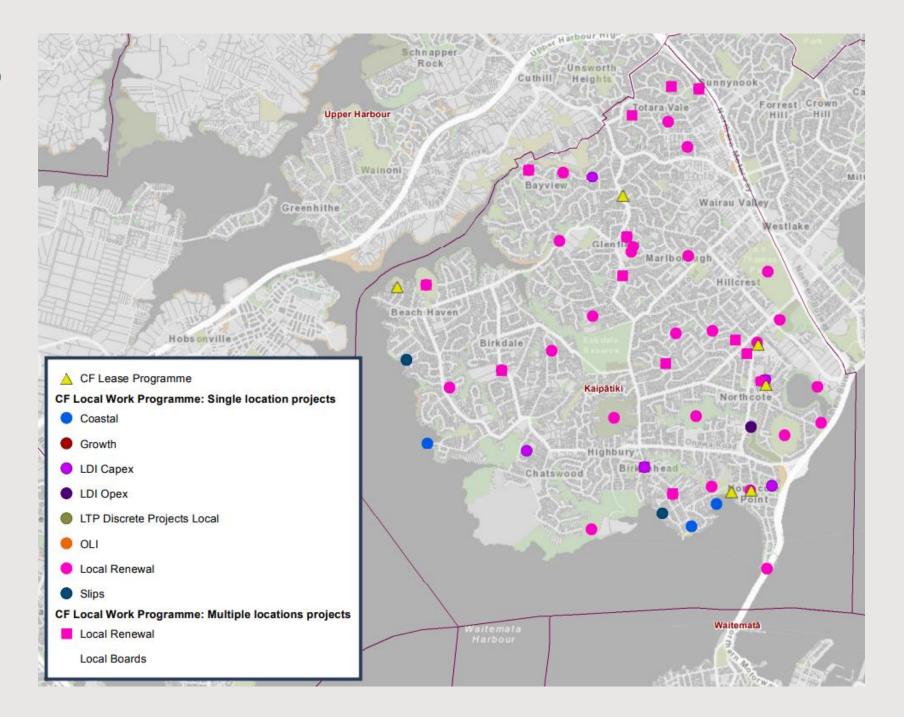


Proposed capex budget allocation

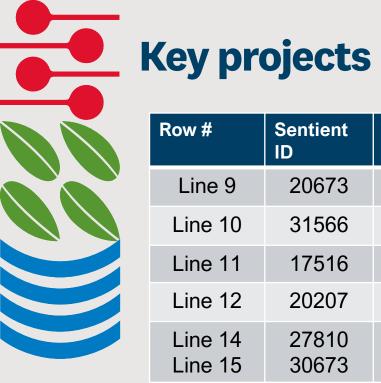
Work programme Budget Summary	2022/2023	2023/2024	2024/2025
Capex Local Asset Renewals - Budget (ABS)	\$4,687,466	\$6,492,145	\$8,656,888
Local Asset Renewals - Proposed Allocation (ABS)	\$4,366,925	\$6,492,000	\$7,959,819
Advance Delivery (RAP)	\$3,501	\$0	\$0
Capex Local Asset Renewals - Unallocated budget (ABS)	\$317,040	\$145	\$697,069
Local Discretionary Initiatives (LDI Capex) - Budget	\$162,522	\$635,000	\$712,314
Local Discretionary Initiatives (LDI Capex) - Proposed Allocation	\$76,000	\$500,000	\$450,000
Advance Delivery (RAP)	\$84,947	\$0	\$0
Local Discretionary Initiatives (LDI Capex) - Unallocated budget	\$1,575	\$135,000	\$262,314
Growth projects Allocation	\$500,000	\$2,500,000	\$0
Coastal projects Allocation	\$297,601	\$0	\$0
Landslide Prevention projects Allocation	\$46,312	\$15,000	\$187,500
Specific Purpose Funding Allocation	\$0	\$0	\$0
External Funding Allocation	\$0	\$0	\$0
One Local Initiative (OLI) project Allocation	\$0	\$0	\$1,819,627
Long Term Plan (LTP) Discrete Projects Allocation	\$1,900,000	\$150,000	\$1,966,230
Kauri Dieback (NETR) Funding Allocation	\$3,065,000	\$0	\$0
Related LDI Opex - Proposed Allocation	\$10,000	\$0	\$0



Map







Row#	Sentient ID	Activity Name	Total (\$)
Line 9	20673	Beach Haven - renew coastal connections	\$4.6m
Line 10	31566	Beach Haven Sports Centre - comprehensive renewal	\$1.5m
Line 11	17516	Birkdale Community Hall - rebuild facility	\$1.7m
Line 12	20207	Birkdale Kauri Kids - renew community facility	\$1.5m
Line 14 Line 15	27810 30673	Birkenhead Pool and Leisure Centre – ventilation, solar heating reinstatement, roof, accessible ramp.	\$1.4m
Line 28	27811	Glenfield Pool and Leisure Centre - filter tank, poolside air supply, filtration system, acoustic panels.	\$1.1m
Line 46	31723	Kaipātiki - renew walking tracks 2023/2024	\$980,000
Line 63	30156	Onewa Domain - renew sports field one	\$625,000
Line 65	31716	Shepherds Park - renew carpark and driveway	\$690,000





New projects

Row#	Sentient ID	Activity Name
Line 23	32098	Elliott Reserve - investigate a new path to connect Malibu Grove to the playground
Line 24	32116	Fernglen Reserve - implement actions in the service assessment
Line 25	31050	Glenfield Library - renew carpark
Line 30	31821	Heath Reserve - construct new toilet
Line 46	31723	Kaipātiki - renew walking tracks 2023/2024
Line 56	32130	Marlborough Park - renew storm water drainage
Line 57	31728	Nell Fisher Reserve - install a new Kompaq bloq play equipment - stage 2
Line 65	31716	Shepherds Park - renew carpark and driveway
Line 66	24373	Shepherds Park - upgrade and develop into Nature Park
Line 69	32083	Stafford Park - investigate the installation of a permanent backstop and fencing
Line 19, 33, 51, 52, 64, 68, 70 & 73	27800 27799 24259 31812 27806 27795 23819	Playground renewal: Cadness Reserve, Hinemoa Park, Leiden Reserve, Lindisfarne, Parks Reserve, Spinella Reserve, Stanaway Reserve, Totara Reserve





Regional Work Programme Projects - For Feedback

 Proposed Growth and Landslide Prevention projects for regional approval and local board feedback include:

ID	Activity Name	Programme	Total Value
26113	Awataha Greenway Plan - development contribution	Growth	\$3,000,000
27991	Brassey Road Reserve - stormwater upgrade slip prevention	Slips	\$202,500
26107	Sispara Place Reserve - slip remediation	Slips	\$50,000

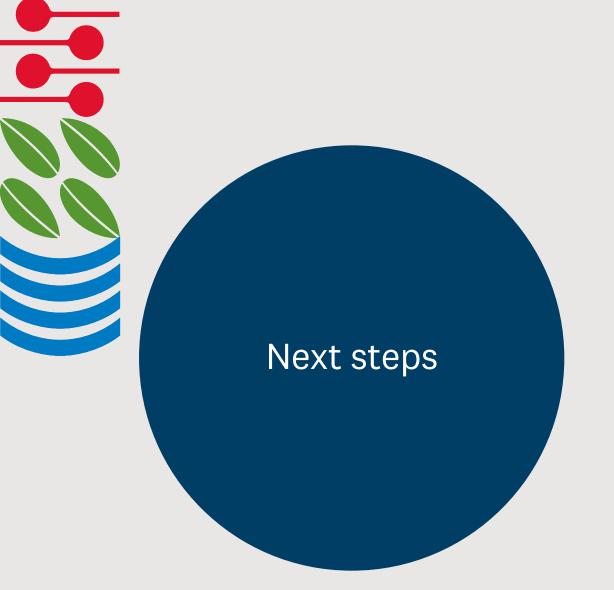




Requires further discussion

Activity	Local Board Direction November 2021 workshop	Department Response
Change: Minor. Birkenhead War Memorial Park (ID 30092)	Request to include Auto b-layers (self winding ropes) in the scope of this project.	Officers require further discussion with the local board
Additional Information: Birkenhead War Memorial Park (OLI)	Request further discussion between staff and LBS following on a members request to gain a better understanding why previous advice on renewals budgets cannot be brought forward to deliver this project.	
New Project: Minor Capex carry out small improvements to enhance the look and feel of village centres such as Beach Haven, Bayview	New project suggested by Member Shaw	Officers require further discussion with the local board





- 1. Draft of work programmes finalised based on feedback from this workshop
- 2. Workshop in May to give feedback on final draft work programmes
- 3. Work programmes approved at June business meetings



Amendments to Unitary Plan Historic Heritage Schedule





Historic heritage in the Unitary Plan

- Unitary Plan identifies Tāmaki Makaurau Auckland's significant historic heritage places
- Regional Policy Statement includes criteria & thresholds for including a historic heritage place in Schedule 14. 1 of the Unitary Plan:
 - Category A places of outstanding significance well beyond their immediate environs
 - Category B places of considerable significance to a locality or beyond
 - Category A* places identified in previous district plans which are yet to be evaluated & assessed for their significance





Category A*

- Category A* are some of the most significant scheduled historic heritage places from legacy plans
- 186 Category A* places in Unitary Plan
- These places were not re-evaluated when they were "rolled over" into PAUP
- Unitary Plan states Category A*:
 - is an interim category
 - need to be re-evaluated & their category status addressed through a plan change process

Category A* review

- 91 places from four local board areas have been re-evaluated by heritage experts
- 29 of those in Kaipātiki
- Re-evaluation report prepared for each place:
 - Includes recommended category (A or B)
- Mana whenua, landowners & key stakeholders have been engaged & invited to provide feedback on re-evaluation reports
- Local boards informed



Reasons for proposed plan change

- Ensure Unitary Plan is accurate & information reflects the historic heritage values of each place
- Correct information ensures historic heritage places are identified & protected, & are used appropriately
- Outdated or incorrect information may result in loss of heritage values or costs being unnecessarily imposed on landowners & Council







Mana Whenua

- Two places in Kaipātiki with known or likely Mana Whenua value or of interest or significance to Maori
 - ID 904 Pompallier cemetery & urupa
 - ID 912 Hato Petera College (former)
- Views of iwi authorities have been sought on the heritage values of Category A* places, including any information about the significance of the historic heritage places to iwi
- Draft proposed plan change was also provided to iwi authorities

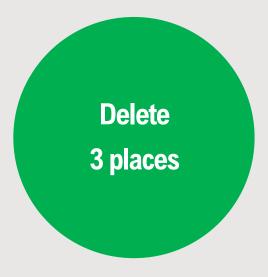
Proposed plan change – Kaipātiki Local Board



Outstanding significance beyond their local area



Considerable significance to locality or beyond



Do not meet RPS criteria & thresholds for scheduling

29 Category A* historic heritage places in Kaipātiki



Proposed Category A places

- ID 895 Manager's House (former) at Chelsea Sugar Refinery
- ID 896 Chelsea Refinery cottages (former)
- ID 917 Northcote Hotel (former)
- ID 926 Northcote War Memorial Pavilion
- Outstanding significance beyond their immediate environs



Proposed Category B places

ID 896 Eversleigh/Le Roy homestead (former)

ID 898 Gilderdale

ID 899 R & W Hellaby Limited Building (former)

ID 901 All Saints Church and hall

ID 902 Zion Hill Methodist Church complex

ID 904 Northcote/Birkenhead Anglican Cemetery, Birkenhead Catholic Cemetery and Urupa

ID 908 Birkenhead War Memorial Monument

ID 909 Takapuna (Auckland) Public Cemetery/ Birkenhead-Glenfield Cemetery

ID 910 St John the Baptist Church and hall

ID 912 St Peter's Rural Training School (former)/St Peter's Maori College (former)/Hato Petera College (former)

ID 913 St Aidan's Presbyterian Church

ID 914 Northcote District High School Secondary and Intermediate Blocks (former)

ID 915 Northcote District School Infant Block (former)/Manual Training School (former)

ID 920 Northcote Post Office (former)

ID 921 Bridgeway Cinema/shops (former)/Waitemata Bus and Transport Company (former)

ID 922 Thomas Hilditch shop and dwelling (former)

ID 924 Northcote War MemorialHall

ID 925 Masonic Lodge Onewa No.182 (former)

ID 927 Northcote Point sea wall

ID 928 Public telephone box

ID 930 Birkenhead and Northcote Gas Company wharf

ID 1003 Quinton Villa

Of considerable significance to locality or beyond



How do the Unitary Plan rules work?

	Category A	Category A*	Category B
Demolition (70%+)	Pr	NC	D
Demolition (30-70%)	NC	NC	D
Modification	RD	RD	RD
Maintenance & repair	Р	Р	Р
New buildings & structures	D	D	D

- Not a downgrade or upgrade but way to ensure Unitary Plan manages each historic heritage place according to its values
- Unitary Plan rules enable development of historic heritage places
- But activities likely to adversely affect heritage values such as total or substantial demolition are to be avoided



Proposed deletions

- Gillespie House, Glenfield
- Clement Wragge Gardens complex
- Lymington Castle, Birkdale

Reasons for deleting

- Limited evidence relating to history or values of the place
- No longer exist
- Moderate or lesser historic heritage value
- Places do not meet the Unitary Plan thresholds for scheduling

Next steps

- Public notification (date tbc) & submissions
 - Opportunity for interested parties to provide additional evidence of heritage values
 - Submissions & evidence will help inform decision-makers
- Summary of submissions provided to local boards
- Local board views will be sought again following submissions
- Hearing report will put forward submitters' and local board views on proposed plan change
- Independent commissioners will hear evidence & make decision





Wai Manawa / Little Shoal Bay Mini Shoreline Adaptation Plan

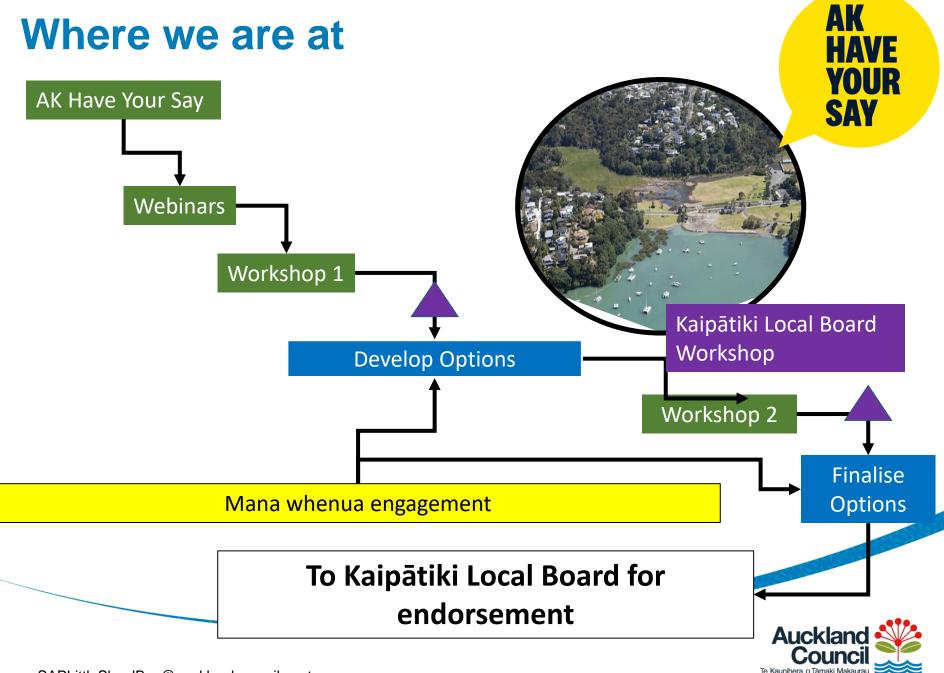
Kaipātiki Local Board Workshop 2











Workshop Outline

Format

- Consultation Update
- Confirming Key Objectives & Outcomes
- Coastal Management Examples
- Next Steps



National Guidance



Development of the Mini

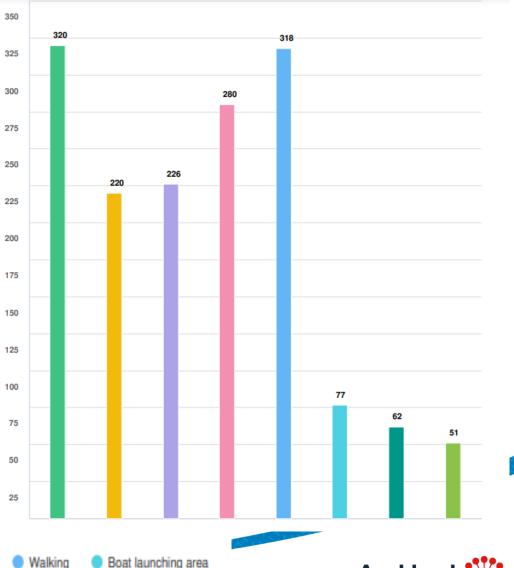


Update on Community Feedback

Over 400 Participants 13 Questions

Q4 What activities and features of the reserve and coast do you most value?



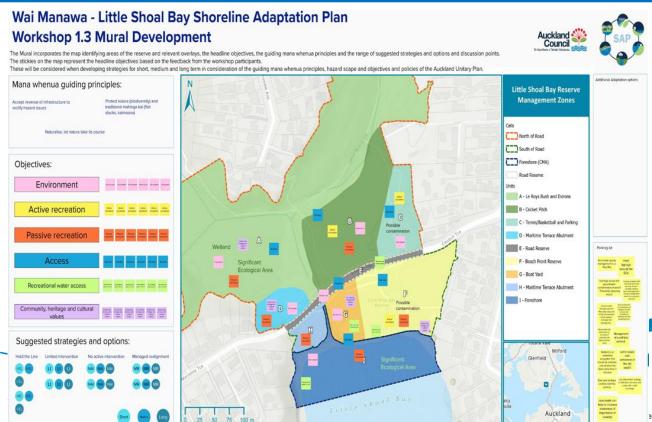




Update on Community Workshops and Engagement

Workshop 1 - 3 sessions – 38 participants

Workshop 2 – 4 sessions – 50 participants





Kaipātiki Local Board resolution

That the Kaipātiki Local Board:

- adopt the following key park service outcomes for Little Shoal Bay Reserve and surrounds, noting these outcomes will be used to inform long-term management options for the reserve:
 - enhance opportunities for passive recreational and aesthetic experiences around the foreshore areas seaward of the road, the sandy beach areas, and the popular eastern area;
 - enhance opportunities for active recreational experiences around the eastern side of the reserve north of the road;
 - iii) improve pedestrian connectivity through the north-western reserve area to facilitate better pedestrian access to Le Roys Bush Reserve;
 - iv) consider options for rationalisation of the boat hard stand, boat ramps and coastal access provision;
 - retain a flat open grass field area suitable for informal community recreational activities, summer sports (including cricket pitch) and events to the north of the road;
 - vi) retain a low-speed road connection for public vehicle access through the reserve;
 - vii) retain the existing carparking areas on both sides of the road.
 - viii) protect and enhance the freshwater ecosystem in the western side of the reserve; and
 - ix) provide the ability for community volunteers to work with the local board on environmental restoration.
- b) request that the Chairperson and Deputy Chairperson work with relevant staff to develop a terms of reference to help guide joined up conversations between the relevant departments of council and CCOs, local board members and identified key stakeholder groups to ensure that a range of recreation, environmental, transport and community concerns are considered as part of future decision-making in relation to Little Shoal Bay Reserve and the surrounding area.
- request that a draft of the terms of reference is developed as outlined in resolution b) above and is discussed with the local board in a workshop prior to finalisation.



Confirming Objectives and Outcomes



Confirming Objectives and Outcomes – Le Roys Bush and Environs

A Le Roys Bush and environs - Access - Community, heritage & cultural values. - Raise awareness of sense of place for cultural heritage and environment. - Raise awareness of sense of place for cultural heritage and environment.	Unit	Primary objective	Secondary objectives	Key outcomes	
	Bush and	Environment	recreationAccessCommunity, heritage & cultural	 functioning. Reduce pollutants from catchment entering wetland. Maintain functioning wastewater network. Enhance network of boardwalks. Raise awareness of sense of place for cultural 	Charles Buy

Te Kaunihera o Tāmaki Makaurau

Confirming Objectives and Outcomes – Dudding Park / Cricket pitch

Unit	Primary objective	Secondary objectives	Key outcomes	
Dudding Park/ Cricket pitch	Active recreation	 Access Passive recreation Environment 	 Retain space for active recreation (sport). Dog walking. Informal active recreation. Enhance wetland edges and functioning. 	D B Little Shoal Bay



Confirming Objectives and Outcomes – Tennis / basketball and parking

Unit	Primary objective	Secondary objectives	Key outcomes	
C Tennis/ Basketball and parking	Active recreation	 Access Passive recreation Environment 	 Retain basketball and tennis court. Maintain access and connection to boardwalks, walkways and southern reserve area. Improve access and parking. 	D C Let Signar Ray

Auckland

Confirming Objectives and Outcomes – Abutment (north)

Jnit	Primary objective	Secondary objectives	Key outcomes	
Abutment (north)	Passive recreation	Community, heritage and cultural values	 Raise awareness of sense of place for cultural heritage and environment. Include in landscaping/planting area. 	D R Little Shoal Ray

Confirming Objectives and Outcomes – Road Reserve

Unit	Primary	Secondary	Key outcomes	
	objective	objectives		PAN AVIII
E Road Reserve		 Recreational water access Environment 	 Maintain multi-modal route access along road reserve. Ensure safe access across road to the adjacent reserve areas. 	Dust find at Plant Sport find the Sp
				Augkland W

Confirming Objectives and Outcomes – Beach front reserve

Unit	Primary objective	Secondary objectives	Key outcomes	
Beach front reserve	Passive recreation	 Access Active recreation Recreational water access Community, heritage and cultural values 	 Maintain high quality reserve space. Enhance access to the water. 	Entritic Shoot Boy

Auckland

Confirming Objectives and Outcomes – Boat Vard

yaro				
Unit	Primary objective	Secondary objectives	Key outcomes	
G Boat Yard	Passive recreation	 Recreational water access Environment Active recreation Community, heritage and cultural values 	 Resolve boat yard status Enhance opportunities for active and passive recreation around the coast edge including swimming, kayaking, fishing and walking. Improve and enhance environment. 	Little Shoal Bay

Auckland

Confirming Objectives and Outcomes – Abutment (south)

Unit	Primary objective	Secondary objectives	Key outcomes	
H Abutment (South)	Passive recreation	• Environment	Enhance opportunities for passive recreation experiences including outlooks and picnicking areas. Improve and enhance environment.	Little Shoal Bay
			424	Auckland Council Te Kaunihera o Tāmaki Makaurau

Confirming Objectives and Outcomes – Foreshore (CMA)

Unit	Primary objective	Secondary objectives	Key outcomes	
Foreshore (CMA)	Recreational water access	• Environment	 Enhance recreational connections from the reserve to the CMA. Improve natural functioning of the inlet and wetland. Improve water quality. 	Little Shoal Bay

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Option Development for Wai Manawa / Little Shoal Bay

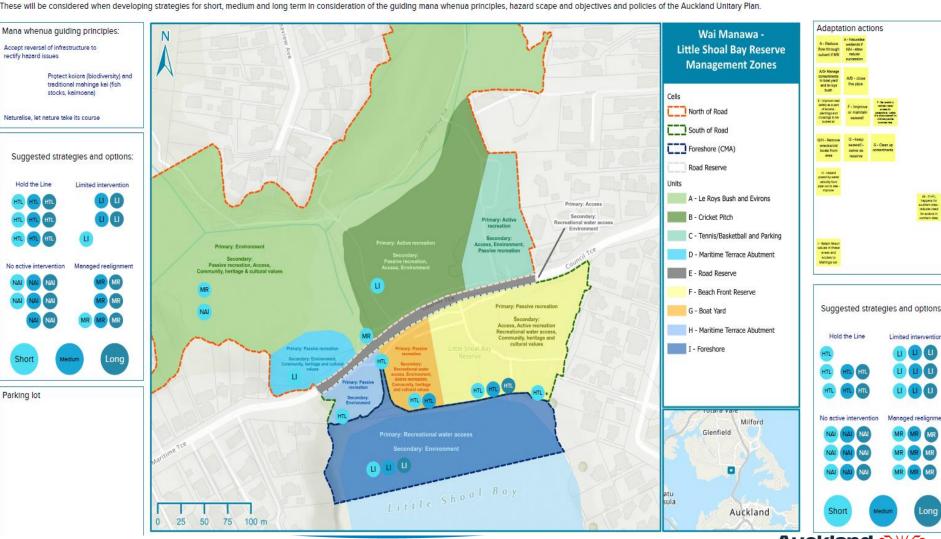


Wai Manawa - Little Shoal Bay Shoreline Adaptation Plan **Workshop 2.1 Mural Development**





The Mural incorporates the map identifying areas of the reserve and relevant overlays, the headline objectives, the guiding mana whenua principles and the range of suggested strategies and options and discussion points. The text on the map represent the headline objectives based on the feedback from the workshop participants.





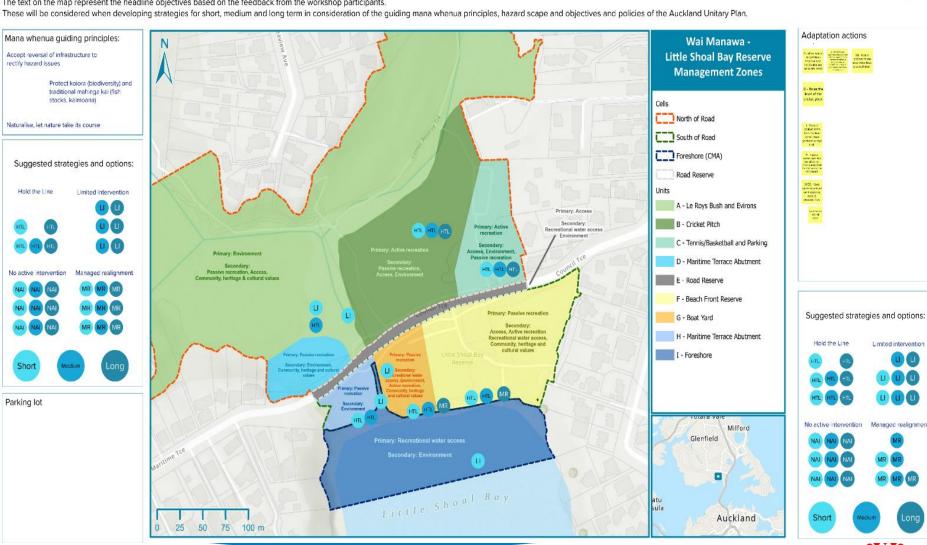


Wai Manawa - Little Shoal Bay Shoreline Adaptation Plan Workshop 2.2 Mural Development





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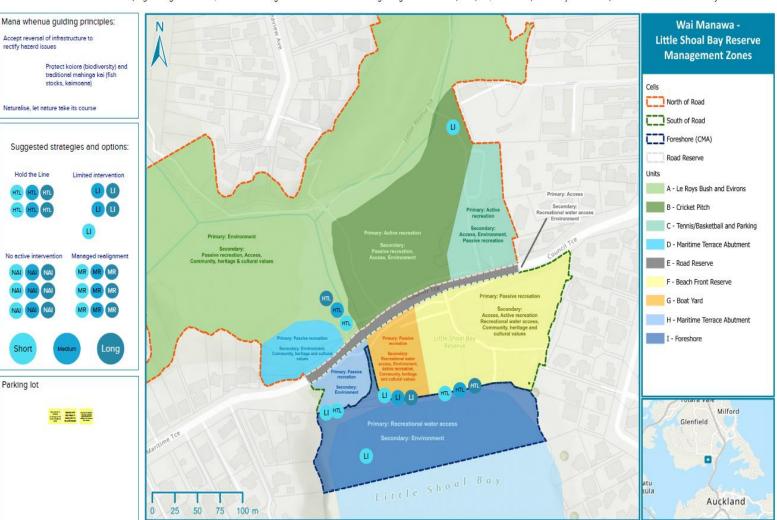
Wai Manawa - Little Shoal Bay Shoreline Adaptation Plan Workshop 2.3 Mural Development

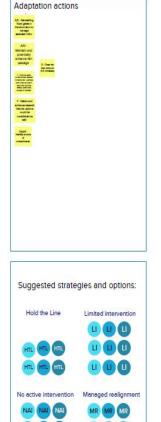




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These will be considered when developing strategies for short, medium and long term in consideration of the guiding mana whenua principles, hazard scape and objectives and policies of the Auckland Unitary Plan.







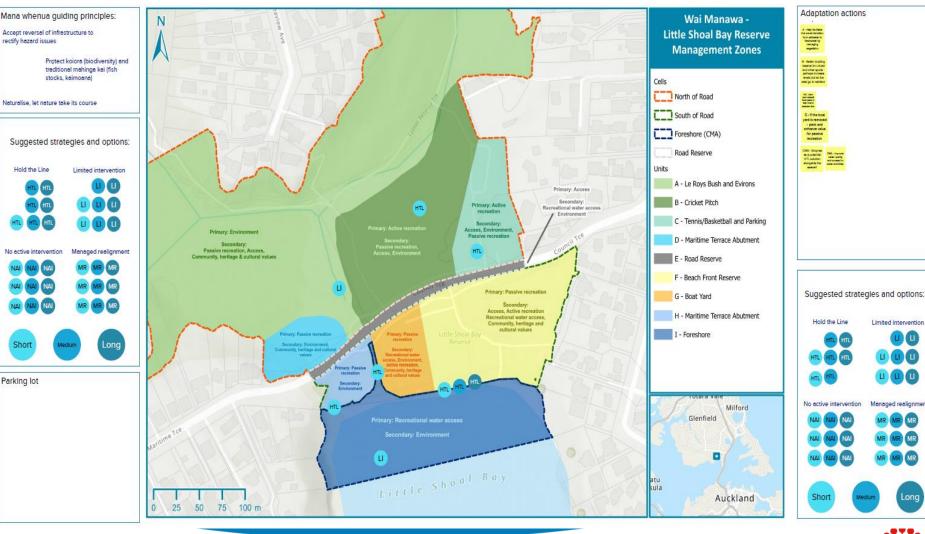
Wai Manawa - Little Shoal Bay Shoreline Adaptation Plan Workshop 2.4 Mural Development



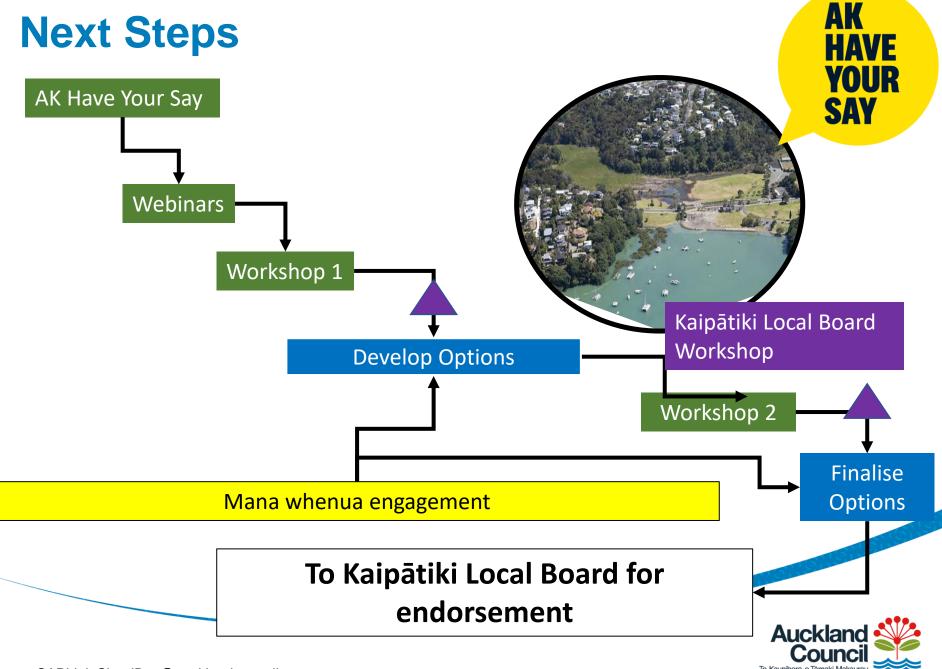


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Adaptation Strategies



Adaptation Strategies





The Four Adaptation Strategies

- No Active Intervention (NAI) Under this approach, natural processes are allowed to continue. This includes no investment in the provision or maintenance of any defences. This strategy is automatically selected for areas of the coastline that are not owned by Auckland Council.
- <u>Limited Intervention (LI)</u> Under this approach, limited works are undertaken to
 extend the existing asset life or to ensure assets remain safe, including localised
 retreat of individual assets. This approach acknowledges that the coastline's
 position will not be fixed into the future and may include small-scale nature-based
 measures (like dune planting) to support the coastline's resilience.
- Hold the Line (HTL) Under this approach, the coastal edge is fixed at a certain location, using nature-based options (like beach nourishment) or hard structures (like sea walls). Nature-based options are the preferred method where possible.
- Managed Retreat (MR) Under this approach, assets and activities are moved away from hazard-prone areas in a controlled way over time. Managed retreat allows greater space for natural buffers and reduces asset exposure to natural hazards.

