

Diamond Harbour Reserve Committee – Triennial Plan for 2023 - 2025 (approved by DHRC Working Group 18 Oct 2023)

Talking points

- a) Diamond Harbour School Nursery:
 - Growing need for eco-sourced plants around Banks Peninsula/Lyttelton Harbour. Perhaps explore the creation of a larger nursery.
 - Possible location – near DHRC shed on Ngatea Road? Or somewhere near/on the new School Gully? Possibly adjacent to new community garden?
 - Would require fixed water supply, building materials, regular supply of potting mix, pots/bags, and trays.
- b) Secure storage (urgent) needed if DHRC holding more in stock.
- c) Weed control - operational plan required to clarify what weeds and how controlled.
- d) Predator control - trapping plan and agreement required (future involvement in Whaka-Ora Pest Plan).
- e) Communication methods should be clarified between DHRC-CCC (on different aspects - regional /community/governance).
- f) Process for purchases and repairs required.
- g) Formal and informal signs – rules to be clarified.
- h) Health & Safety

Areas	Desired outcomes	DH Reserve Committee volunteer activities	Management and services provided by CCC
1. School Gully (approx. 6 ha) – currently subject to CCC Outline Development Plan.	▪ Habitat regeneration ▪ Catchment protection (Whaka-Ora goals) ▪ Recreation walking access ▪ Eco-protection/Biodiversity ▪ Pest control - Community engagement	▪ Planting + plant tending ▪ Weed control ▪ Trapping ▪ Input to long term management planning and protection ▪ Track development and maintenance	▪ Confirm reserve status ▪ Fencing ▪ Labour
2. Purau Bay Reserve (2.5 ha) (Pt Lot 5 DP 14050, Lot 6 DP 14050) + Jervois Park (0.7 ha)	▪ Erosion mitigation ▪ Habitat regeneration ▪ Catchment protection (Whaka-Ora goals) ▪ Recreation walking access ▪ Eco-protection/Biodiversity ▪ Pest control ▪ Input for community of future of forest adjacent to Purau village, and Old Stock Road (Bayview Road) <u>Specific</u>	▪ Planting + plant tending ▪ Weed control ▪ Drainage work ▪ Trapping ▪ Track planning, development, signage, and maintenance	▪ Tree work (removal of pines) ▪ Labour ▪ Manage other occupiers ▪ Liaison for road trees ▪ Explore ownership and options CCC responsibility for forest

	Planting in clearings initially, with gradual removal of pines		
3. Stoddart Point Reserve (14.3 ha)	- Recreation, scenic and historic multi-purpose reserve - Eco-protection/Biodiversity - Pest control replanting <u>Specific</u> - Replacement planting out from “View Shaft” area - Gradual removal of pines, especially along public tracks	- Planting + plant tending - Weed control - Track improvement (steps/gravelling) - Trapping - Input to long term planning and protection - Liaison with other CCC tenants	- Tree work (removing pines along cliff track to improve track safety + planting options) - Major track maintenance + development - Labour - Facilitate community input to long term tenants /occupiers of the reserve land
4. Sam’s Gully (7.6 ha)	- Habitat regeneration - Catchment protection (Whaka-Ora goals) - Recreation walking access - Eco-protection/Biodiversity - Pest control	- Planting + plant tending - Routine track maintenance - Weed control - Trapping - Input to long term planning and protection	- Confirm reserve status - Tree work - Labour
5. Morgan’s Gully (8.8 ha)	- Habitat regeneration - Catchment protection (Whaka-Ora goals) - Recreation walking access - Eco-protection/Biodiversity - Pest control	- Planting + plant tending - Routine track maintenance - Weed control - Trapping - Input to long term planning and protection	- Confirm reserve status - Tree work - Labour
6. Black Point Reserve (1.33 ha)	- Walking access - Track network - Coastal margin protection - Pest control - Habitat restoration	- Planting + plant tending - Routine track maintenance - Weed control - Trapping	- Arborist or CCC staff for windfall or overhanging trees - Major track maintenance + development - Labour
7. Coastal Cliff Reserve (Church Bay to Diamond Harbour) including all public access tracks: Emerson Crescent, Koromiko Crescent x 2, Ranui Crescent, “Godley Memorial Track”, Ron Arnold Reserve (25 Te Ara Crescent), and Marama Crescent.	- Walking access - Track network - Coastal margin protection - Pest control - Habitat restoration <u>Specific</u> Ensuring public access routes to cliff track are open and safe.	- Planting + plant tending - Routine track inspection & maintenance - Weed control - Trapping - Ensuring public access - Long term planning - Liaison and planning with H2H group	- Arborist or CCC staff for windfall or overhanging trees - Regular track maintenance + development - Labour - Managing encroachments, occupations, compliance

8. Purau Stream Esplanade	▪ River habitat restoration (replanting multi use walkway) ▪ Recreation, scenic and historic, local purpose. ▪ Waste, weed and pest control ▪ Community engagement	▪ Planting + plant tending ▪ Weed control ▪ Trapping ▪ Input to long term management planning and protection ▪ Track development and maintenance	▪ Community enforcement/communication reserve occupations. ▪ Major track maintenance + development ▪ Labour
9. Purau waterfront beach: jetty ramp facilities to old Rhodes Jetty	▪ Recreation active and passive historic foreshore enhancement	▪ Monitoring use impacts, H2H input to planning and implementation ▪ Coastal facilities review ▪ Weed pest enhancement east end beach	▪ Long term planning funding and implementation ▪ Upgrade coastal facilities and assets
10. Purau Recreation Reserve	▪ Input into management of public domain		
11. Rawhiti Street Reserve (0.4 ha) + Rawhiti Street Park (0.5ha)	▪ Walking access ▪ Track network ▪ Eco protection/ Biodiversity ▪ Pest control	▪ Planting + plant tending ▪ Routine track maintenance ▪ Weed control ▪ Trapping	▪ Tree work ▪ Labour
12. Neighbouring areas of CCC-administered land that DHRC would like to have an advisory role in: ▪ Teddington to Charteris Bay ▪ Charteris Bay to Hays Bay foreshore ▪ Purau Rhodes Jetty to Pile Bay ▪ Pile Bay to Adderley Head ▪ Forest blocks near Purau + Old Stock Road (Bayview Road)	▪ Recreation active and passive historic foreshore ▪ Habitat enhancement ▪ Sediment controls ▪ Access upgrades and eco restoration	▪ Monitoring use impacts, H2H input to planning and implementation ▪ Input to coastal facilities	▪ Manage occupations and compliance issues. ▪ fund foreshore facilities ▪ Liaison and land status issues with DOC and adjacent owners ▪ Planning implementations
13. James Drive Reserve	▪ Recreational values ▪ Native vegetation	▪ Protecting access and ecological value	▪ Routine maintenance (mowing, track repairs)
14. Laurenson Park	▪ Recreational values ▪ Native vegetation	▪ Protecting access and ecological value	▪ Routine maintenance (mowing, track repairs)
15. Charteris Bay ramp			

Diamond Harbour Reserve Committee Estimated Annual Budget - 22 July 2024

THIS BUDGET REPRESENTS ESTIMATED COSTS ON AN ANNUAL BASIS (Except for capital items)

Equipment and materials for DHRC Activities

	Annual Qty	\$/unit incl GST	Annual \$
1 - Planting			
Bamboo Canes, 1.5m x 12-14mm @ \$65/100	2000	\$0.65	\$1,300
Bamboo Canes, 600mm x 10-12mm @ \$25/100	4000	\$0.25	\$1,000
300 plant guards (cardboard) @ \$180/100	2000	\$0.18	\$360
EcoCoir Mulch Mats, 200mm2 @ \$35/50	2000	\$0.70	\$1,400
Fertiliser Tablets @ \$120/1000	2000	\$0.12	\$240
Spades - planting (Timbersaws) @ \$125	5	\$125.00	\$625
Total			\$4,925
2 - Irrigation			
Irrigation pipe (LDPE, 25mm) 500m	1	\$1,500.00	\$1,500
Pipe connectors, taps (various) @ \$300	1	\$300.00	\$300
Hoses (30m) @ \$96	6	\$96.00	\$576
Hose connectors, nozzles (various) @ \$150	1	\$150.00	\$150
Water barrels 200L @ \$40	4	\$40.00	\$160
1000L IBC tanks with cage + tap	2	\$200.00	\$400
Total			\$3,086
3 - Track work			
Spades - flat @ \$75	2	\$75.00	\$150
Mattocks (Handle pick) @ \$90	2	\$90.00	\$180
Hazard tape & signs @ \$30	1	\$30.00	\$30
Track markers (fluoro) @ \$15	1	\$15.00	\$15
Waratahs @ \$15	25	\$15.00	\$375
Waratah post driver @ \$90	1	\$90.00	\$90
Wheelbarrows (construction) @ \$275	1	\$275.00	\$275
Timber (bridges) - planks H4 - 50x150 @\$7/m	50	\$7.00	\$350
Timber half rounds (15cmx1.8m) H4 @ \$20 -	20	\$20.00	\$400
Decking timber H3.2 / 50m @\$6/m	50	\$6.00	\$300
Nails - 100mm, 5kg box @ \$60	2	\$60.00	\$120
Nails - 75mm, 5kg box @\$50	1	\$50.00	\$50
Screws (heavy duty) 100mm, pack of 100 @ \$60	5	\$60.00	\$300
Rebar steel rods - 12mm, 6m @ \$35	5	\$35.00	\$175
Stain/varnish, 5L @ \$90	1	\$90.00	\$90
Gravel (incl cartage) 3 cubic m @ \$200	3	\$200.00	\$600
Total			\$3,500
4 - Weed control			
Handsaws (Silky, 300mm) \$120	8	\$120.00	\$960
Loppers, long-handled (Timbersaw) @ \$250	2	\$250.00	\$500
Loppers, short-handled (Timbersaw) @ \$250	2	\$250.00	\$500
Brushcutter (Stihl FS250) @ \$1385	1	\$1,385.00	\$1,385
Weedwacker line, added blades	1	\$200.00	\$200
Weedwacker fuel@ \$2/L	100	\$2.00	\$200
Cut'n'Paste Weed Gel 20L @\$690	1	\$690.00	690
Total			\$4,435

5 - Workshop			
Battery sander (Makita) @ \$265	1	\$265.00	\$265
Battery driver/drill set (Makita)	1	\$650.00	\$650
Files, screw driver, spanner	1	\$200.00	\$200
Committee stationery	1	\$200.00	\$200
Total			\$1,315

6 - Predator control			
Traps - Possum - Trapinator @ \$30	5	\$30.00	\$150
Traps - Mustelids - DOC200 @ \$40	5	\$40.00	\$200
Trap bait	50	\$5.00	\$250
Total			\$600

7 - Plant nursery			
Potting Mix @ \$60/cubic metre	5	\$60.00	\$300
Plant trays @ \$10	10	\$10.00	\$100
Plant bags big @ \$0.75	100	\$0.75	\$75
Plant bags small @ \$0.50	100	\$0.50	\$50
Plant pots big	100	\$0.75	\$75
Plant pots small @ \$0.50	50	\$0.50	\$25
Total			\$625

DHRC totals	Annual \$
1 - Planting	\$4,925
2 - Irrigation	\$3,086
3 - Track	\$3,500
4 - Weed control	\$4,435
5 - Workshop	\$1,315
6 - Predator control	\$600
7 - Plant nursery	\$625
	\$18,486

Estimated Expenses by CCC

Routine expenses	
Arborist - dangerous	\$10,000
Transport - plants, bulk materials	\$3,000
Training - first aid , risk assessment etc	\$1,000
Chainsaw training - on ground	\$1,000
Chainsaw training - felling	\$1,000
Equipment servicing	\$1,500
	\$17,500

Capital expenses	
Secure storage unit	\$4,000
Hazardous chemicals storage	\$1,000
New plant nursery?	\$10,000
Water supply to shed/nursery?	\$5,000
Fencing (School Gully)	\$5,000
	\$25,000

CCC Totals	Annual
Routine expenses	\$17,500
Capital expenses	\$25,000
	\$42,500

Combined DHRC + CCC	\$60,986
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Basic Aims, Principles, and Rules of the Diamond Harbour Reserve Committee

Aims - Our over-arching aim is to look after the reserves of the Diamond Harbour area, including officially designated areas and other “unofficial” green spaces. These will be listed in our Schedule which will be agreed between the committee and the Banks Peninsula Community Board and CCC (Parks). There will be an associated 3-year plan (outlining our proposed activities in these areas), plus a budget with costings of the resources, plants and equipment provided to the Reserve Committee (by Regional and Community Parks).

Principles - The way we approach this aim includes several principles which will guide what we do. Essentially, this will be to improve the biodiversity and health of the environment of this area, by:

- Weed control
- Replacement/re-generative native planting
- Human-related goals – reduce fire risk and provide recreation opportunities

1 - Weed control will entail trying to reduce and eradicate plant species that are non-native to this area, especially those that are invasive and threaten the survival of native species. We support the Canterbury Regional Pest Management Plan and National Pest Plant Accord.

2 - Replacement/re-generative native planting means that we will aim to plant species that are native to this area, so Banks Peninsula or at least Canterbury varieties. Partly, this will be achieved by potting up seedlings found locally, and also from obtaining eco-sourced plants from nearby nurseries. We will oppose the planting of any exotic or non-native plants.

3 - We will look to reduce fire risk by planting low-flammability plants in areas near houses and avoiding planting high-flammability plants in these areas and also in any density outwith those areas. We will also aim to develop a network of easily accessible and safe tracks for local people.

The 2013 Stoddart Point Reserve and Coastal Cliff Reserves Network Management Plan encompasses these same principles and offers a detailed framework for our activities.

Rules - Any person who wishes to participate in any reserve activities which rely on materials (eg.. plants, equipment, associated supplies) provided to the DHRC specifically for these activities must abide by the following basic rules:

- 1) – Ensure to use the agreed communication media of the DHRC – either group email or group Whatsapp channel - and send all messages relevant to DHRC activities via these group media, so that they are viewable by all group members.
- 2) Agree and accept our guiding principles (above) and in particular take active steps to learn:
 - a) the types of plants that will be planted on our reserves.
 - b) which plants are better suited to different types of terrain, eg. wet-area plants vs dry area plants, or prone to frost damage.
 - c) which are low-flammable and high-flammable plants, and so which should not be planted near houses.

A categorised plant list is to be drafted for circulation to all members and anyone in the community who wants information about appropriate plants for this area.

- 3) If wishing to use any materials or equipment provided to the DHRC:

- a) ensure that equipment is returned immediately after use to the communal shed, in good working order, so that it can be used by other volunteers.
- b) ensure that there are adequate supplies available for other volunteers – in other words, if using things like fuel, weedwacker line, or cut & paste weedkiller, take active steps a) to notify via the group channel that supplies are running out and b) arrange to get new quantities as soon as possible.
- c) avoid returning equipment in unserviceable order, or finishing group stocks without arranging repair of equipment or replacement of stocks.

4) In addition, anyone using equipment or materials during the week, should ensure that both are available for those volunteers who can only do the activities at weekends.

5) If a DHRC member witnesses any encroachment or wilful damage to any of the scheduled reserves, they should notify the group on the agreed DHRC channel/email and not try to address it themselves. Such issues are to be then notified to CCC Parks (Regional or Community) for treatment and resolution.

6) Anyone not willing to abide by these basic rules should not be given access to any of the DHRC's resources and asked not to engage in activities in our scheduled areas.