

SUMMARY OF PROPOSALS

The following list of proposals is a summary of the planning and/or management proposals associated with separate sections of this master plan (see Contents on the previous pages). The planning and management proposals are not a commitment on the Christchurch City Council (the Council) to implement with the Council's approval of the master plan. Approval of the plan will indicate the Council's willingness to progress further investigation into the planning and management proposals. Any costs stated are an indication of the potential level of costs of proposed development and are additional to any costs already budgeted for and included in an existing works programme. They constitute a rough order of capital (capex) and annual operational (opex) costs that can be raised for consideration for inclusion in a future Council Long Term Council Community Plan (LTCCP). There is no certainty, though, that they will be approved for the LTCCP and, if not, then they will not be funded.

Saltmarsh of sea rush and New Zealand primrose on the western margin of mid Brooklands Lagoon/Te Riu o Te Aika Kawa, looking towards Spencer Park at close to low tide.



INDEX	PROPOSAL	INCLUDES	PLAN REFERENCE	POSSIBLE COSTS
P1	Māori naming, and involvement of Ngāi Tahu in the development, of amenity features in public spaces in the Brooklands Lagoon/Te Riu o Te Aika Kawa planning area.	Use of Māori names in documents and information/publicity material, provision for tangata whenua to give advice on public space naming, and suggestion for the Council to consider a possible collaboration with tangata whenua to investigate establishing a river trail along the Styx River/Puharakekenui with Ngāi Tahu stories/markers/artworks.	Tangata Whenua section, pages 56 to 60.	Not indicated.
P2	Protection, restoration and enhancement of natural values and Mahinga Kai values in the planning area.	Native species restoration, and the use of native species. Consider having planting days for riparian margin planting of native plants around Brooklands Lagoon/Te Riu o Te Aika Kawa. The Council, in its planning, to take into account Kī Uta Kī Tai (mountains to the sea) management principles and the significance of the planning area to Ngāi Tahu, including that there is good water quality for such activities as mahinga kai gathering.	As above.	Not indicated.
P3	Tangata whenua input to parks planning and management, and tangata whenua values taken into account.	Tangata whenua are involved in further planning and management relating to parks in the planning area, such as in the preparation of park management plans and representation on any park management committees. The Council gives consideration to tangata whenua values in decisions on parks, and seeks to actively protect those values if they are threatened.	As above.	Not indicated.
P4	Research and monitoring related to tangata whenua values.	<p>That the Council considers research and monitoring proposals for the planning area, including:</p> <ul style="list-style-type: none"> • Identifying and monitoring pollution sources, • Investigating the impacts of development proposals on water quality in the Styx/Puharakekenui River and Brooklands Lagoon/Te Riu o Te Aika Kawa, • Cultural health monitoring by Ngāi Tahu, using the State of the Takiwā tool of Te Rūnanga o Ngāi Tahu, • Investigating the state of the shell fishery in Brooklands Lagoon/Te Riu o Te Aika Kawa, • Investigating the effect of the Styx/Puharakekenui River control gates on the salt water/freshwater interface. 	As above.	Not indicated.

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P5	Seek to achieve co-operation between Environment Canterbury, Department of Conservation and the Council, and integrate effort for the care and management of the Waimakariri River/Styx River/Brooklands Lagoon confluence area.	<p>Management of the area as an important wildlife habitat.</p> <p>Discouragement of inappropriate activities, such as trail bike riding, and uncontrolled dogs that disturb or endanger birdlife.</p> <p>Ensuring that the prohibition of cattle within the saltmarsh areas and margins is enforced.</p> <p>Instigating control of weeds within the saltmarsh area, particularly in the drier western areas and along embankments.</p> <p>Investigating the feasibility and appropriateness of extending, deepening and widening the existing ‘moat’ system to stop cats entering the wetlands and keep people to formed access tracks.</p> <p>Working with community groups to instigate a predator control programme throughout the Styx River/Puharakekenui mouth area.</p> <p>Examining options for managing the empoldered (<i>separated from surrounding water by stopbanks</i>) and moribund (<i>inactive/obsolescent</i>) saltmarshes on the north side of the Styx River/Puharakekenui and for restoring tidal water to the declining area of saltmarsh closest to the Waimakariri River.</p>	Waimakariri/Styx Rivers confluence section, pages 74 to 77.	Not indicated.
P6	Investigate constructing a public access board walk over the Brooklands Lagoon/ Te Riu o Te Aika Kawa mudflat between the end of Harbour Road and the Styx River/ Puharakekenui mouth.	This area of the estuary is vested in the Crown upon residential land subdivision and is within the Coastal Marine Area.	Styx River/ Puharakekenui corridor section, pages 78 to 80.	Not indicated.
P7	Implement required action in the City Plan to stop lengths of legal road alongside the lower Styx River/Puharakekenui.	Areas to vest with the Council as Local Purpose (Esplanade) Reserve and to be classified as such under the Reserves Act 1977.	As above.	Covered by existing budgets.

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P8	Expand the programme of thinning willows and clearing weed growth in the lower Styx River/Puharakekenui corridor to include the entire river downstream of the Marshlands Road bridge.		Styx River/ Puharakekenui corridor section, pages 78 to 80.	Not indicated.
P9	Seek to protect the Styx Ponding Area from urban development and have it remain essentially as pasture.	Tall vegetation in this area will exclude the bird species reliant on it as habitat. Recommendation for a minimum buffer zone of 100 metres, with a further building setback zone of fifty metres, for the northern, southern and western sides of this area. Also, advocate that drainage in the Styx Ponding Area not be improved, as this will reduce habitat value.	As above.	None.
P10	Change the classification of the recreation reserve in Mid Seafield Park to scenic reserve.	Reserves Act 1977 process.	Mid/North Seafield Park section, pages 81 to 83.	Covered by existing budgets.
P11	Declare the parcel of land at the North Seafield Park entrance off Harbour Road as scenic reserve.	Reserves Act 1977 process.	As above.	Covered by existing budgets.
P12	Survey the eastern boundary of Mid/North Seafield Park.		As above.	Not indicated.
P13	Stop legal road within Mid/North Seafield Park and add to the scenic reserve.	Also accretion added to legal road.	As above.	Covered by existing budgets.
P14	To investigate potential methods, such as controlled seasonal shooting, to control exotic water fowl populations that compete with rarer native and exotic birds in the central area of Brooklands Lagoon/Te Riu o Te Aika Kawa where the majority of the mai-mais are located.		Brooklands Lagoon/ Te Riu o Te Aika Kawa section, pages 84 to 89.	None.

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P15	Ban all motorised wheeled/normally land-based recreational vehicles from Brooklands Lagoon/Te Riu o Te Aika Kawa and its marginal areas (not including such vehicles used for official or authorised purposes).		Brooklands Lagoon/ Te Riu o Te Aika Kawa section, pages 84 to 89.	None.
P16	Consider developing a new walkway from Heyders Road along the eastern side of the lower Brooklands Lagoon/Te Riu o Te Aika Kawa.		As above.	Not indicated.
P17	Consider erecting an observation platform/ bird hide on the possible walkway referred to above.		As above.	Not indicated.
P18	The Council to advocate that the Brooklands Lagoon/Te Riu o Te Aika Kawa and Lower Waimakariri River mudflats are managed in ways consistent with protection of wildlife and wider ecological values.		As above.	None.
P19	Improve public awareness of the special values of the Brooklands Lagoon/Te Riu o Te Aika Kawa area.		As above.	Not indicated.
P20	Protect from damage the saltmarshes and salt meadows on the western edge of Brooklands Lagoon/Te Riu o Te Aika Kawa.	Restore and enhance destroyed or severely degraded saltmarsh and salt meadow habitats.	As above.	Not indicated.

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P21	Investigate excavating several shallow ponds within the dune areas alongside Brooklands Lagoon/Te Riu o Te Aika Kawa to provide additional bird habitat.		Brooklands Lagoon/Te Riu o Te Aika Kawa section, pages 84 to 89.	Not indicated.
P22	Establish predator control lines along the Brooklands Lagoon/Te Riu o Te Aika Kawa margin and within the new Dartford Street/Beacon Street wetland area.		As above.	Not indicated.
P23	Establish monitoring sites in Brooklands Lagoon/Te Riu o Te Aika Kawa.	To indicate when significant changes in sediment level and salinity are occurring, and to find out if the area of saltmarsh vegetation is increasing, eroding or remaining stable.	As above.	Not indicated.
P24	Facilitate process to transfer administration of Brooklands Spit/Kairaki to the Council.	Transfer of Environment Canterbury administered river protection reserve, and stopped legal road, to the Council for addition to scenic reserve.	Coastal strip section, pages 90 to 94.	Covered by existing budgets.
P25	Initiate procedures to have the Crown land area at the southern end of Brooklands Lagoon/Te Riu o Te Aika Kawa transferred to the Council.	Involves the Crown land above Mean High Water Springs, and for this to be added to scenic reserve.	As above.	Covered by existing budgets.
P26	Protect and manage Brooklands Spit/Kairaki as one landscape/ecological unit.		As above.	Covered by existing budgets.
P27	Restore nesting and roosting habitat for coastal/wetland birds on Brooklands Spit/Kairaki.	Removing invasive exotic vegetation in selected parts of the spit, recontouring sand dunes to provide the flatter dune crests and wider interdune basins that most ground nesting coastal/wetland bird species require, and replacing marram grass with native spinifex and pingao to help maintain these better dune shapes.	As above.	Not indicated.

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P28	Undertake protective measures for beach nesting birds.	Such as pest control, indication of safe vehicle routes and temporary beach reconstruction.	Coastal strip section, pages 90 to 94.	Not indicated.
P29	Remove invasive wilding pines near the inner tip of Brooklands Spit/Kairaki.	A complex of small tidal creeks, salt meadow and saltmarsh occurs here and the pines are limiting bird usage of the site.	As above.	Not indicated.
P30	Ensure more effective control of human recreation activity, dogs and vehicles on Brooklands Spit/Kairaki.	Particularly near bird roosting and nesting areas, on the sand dunes and within areas where damage to native vegetation may occur (such as the inter-dune basins and saltmarshes).	As above.	Not indicated.
P31	Improve public awareness of the special values of the Brooklands Spit/Kairaki area.	Also promote initiatives for ecological and landscape enhancement of the Spit.	As above.	Covered by existing budgets.
P32	Include parts of adjacent Council administered areas as part of Spencer Park.	Expanding the area described as Spencer Park to include parts of Seafield Park, Spencer Beach Park and possibly Bottle Lake Forest Park, and consider re-naming these parts as Spencer Park.	Spencer Park/South Seafield Park section, pages 95 to 97.	Covered by existing budgets.
P33	All parts of South Seafield Park are zoned Open Space 1 (O1) in the Christchurch City Plan.	Changing the City Plan zoning for the relatively recently acquired (in 2002) addition to Seafield Park extending into Spencerville from Living RS (Rural Settlement) (LRS) to Open Space 1 (Neighbourhood Recreation and Open Space) (O1) to appropriately reflect its development and use as local park space.	As above.	Covered by existing budgets.
P34	Continue to evolve the play area at Spencer Park to retain its mantle as a key destination for family recreation in Christchurch.		As above.	Covered by existing budgets.
P35	Beacon Street wetland restoration, Mid Seafield Park.	Restoration planting of 4.4 hectares of forest, wetland restoration planting, development of one kilometre of paths, installation of signage, vehicle gates, car park upgrade and a bird-watching hide.	Mid Seafield Park landscape concept, pages 106 to 110.	\$377,100 capex, \$30,000 annual opex.

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P36	Earlham Street Dune Slack/Dune Ridge restoration, Mid Seafield Park.	One hectare of wetland restoration planting, wetland path development, road reserve (previous) path development, boardwalk, signage and interpretation, car parking bays, Earlham Street tree planting and restoration planting of 2.9 hectares of shrubland.	Mid Seafield Park landscape concept, pages 106 to 110.	\$191,420 capex, \$14,000 annual opex.
P37	Restoration and development south of Earlham Street, Mid Seafield Park.	Three hectares of wetland restoration planting, restoration planting of 4.4 hectares of forest, 500 metres of wetland path construction, signage and interpretation.	As above.	\$186,550 capex, \$17,000 annual opex.
P38	Restoration and development between Earlham and Beacon Streets, Mid Seafield Park.	Development for the WWII Home Guard Rifle Range area, restoration planting of 14.3 hectares of forest, three hectares of wetland restoration planting, toilet installation, 1,500 metres of path construction, signage and interpretation and reintroduction of the fern bird.	As above.	\$827,800 capex, \$56,000 annual opex.
P39	Development of the entrance area of the Spencer Park/South Seafield Park area.	Ranger's office upgrade, old shop and house removal, shop/house site restoration, new roading layout, signage and interpretation, road removal, car parking development and path development.	Spencer Park and South Seafield Park landscape concept, pages 111 to 117.	\$651,800 capex, \$15,000 annual opex.
P40	Playground extension, playground shade sails, paddling pool upgrade, planting of 100 specimen trees, ten electric barbeques, restoration of original shelter and path construction.		As above.	\$237,000 capex, \$12,000 annual opex.
P41	Development of the south-east picnic ground area (four hectares) of Spencer Park.	Pine removal, planting, paths, mountain bike track development.	As above.	\$159,200 capex, \$10,000 annual opex.

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P42	Re-development of the road access to beach areas in Spencer Park.	400 metres of new roading, 300 metres of paths, signage, car parking, and fencing.	Spencer Park and South Seafield Park landscape concept, pages 111 to 117.	\$253,000 capex, \$9,000 annual opex.
P43	Development of the central ponding area (10 hectares) in Spencer Park.	Road removal/excavation of ponds, planting, one kilometre of paths, 350 metres of mountain bike track, 300 metres of fencing and a pedestrian bridge.	As above.	\$365,250 capex, \$20,000 annual opex.
P44	Development of the southern Brooklands Lagoon/Te Riu o Te Aika Kawa margin (2.3 hectares) in Seafield Park.	Planting, 350 metres of paths, 350 metres of mountain bike track, pine tree removal and an estuary boardwalk.	As above.	\$342,250 capex, \$17,000 annual opex.
P45	Development of the horse park, and wider area, in Seafield Park.	Retrofit of Seafield Park Hall, planting and 1,250 metres of paths.	As above.	\$345,000 capex, \$25,000 annual opex.
P46	Development of the coastal forest strip (10 hectares) in Spencer Park and Spencer Park Beach.	Planting and 800 metres of mountain bike track.	As above.	\$198,000 capex, \$12,000 annual opex.
P47	Development of the wilderness area (20 hectares) in Spencer Park.	Planting and 700 metres of mountain bike track.	As above.	\$164,100 capex, \$12,000 annual opex.



Styx River/Puharakekenui just up stream of the tidal gates and showing native plantings and impounded freshwater.