

BANKS PENINSULA WORK PROGRAMME - END OF YEAR PROGRESS REPORT 2016/17						
Ref	Outcome	Outcome description	Milestone reference	Milestones to achieve outcomes	Milestone status	Progress update for each milestone - as at 30 June 2017
1	Access to safe and reliable drinking water	Residents have access to safe and reliable community drinking water supplies	MS1	Community drinking water supplies (DWS) in Okains Bay meets Health Act requirements by 2018.	On Schedule	<ul style="list-style-type: none"> • Contact is maintained with Okains Bay Water Scheme Committee and Working Group to help with information as required. • Updates are provided to Banks Peninsula Zone Committee when there is scheme progress and when needed; advice on resource consenting process given to Secretary of the Okains Bay Water Scheme Committee. • Collaboration has continued with Community and Public Health (Canterbury District Health Board), Christchurch City Council and Environment Canterbury staff in preparing information sheets on water scheme establishment.
			MS2	Regular monitoring of water quality at source of all recognised community DWS by 2018.	Behind Schedule	<ul style="list-style-type: none"> • Environment Canterbury aims to discuss issue with agencies that test water quality at source of community drinking water schemes. • Locate and keep up to date a list of drinking water supply testing for water quality on Banks Peninsula. • Assess annual reports of test results.
			MS3	Develop an awareness programme to educate Banks Peninsula communities on the value of rain water collection and increase the use of rain water storage tanks to augment current spring and stream water supplies with rainwater by 2017.	Behind Schedule	<ul style="list-style-type: none"> • A search is underway for information sheets currently available locally and nationwide on collection, storage treatment and use of rainwater. • Promote the use of water tanks. • Produce information sheets about use of rainwater storage systems and water use.
			MS4	Rural residents reliant on surface water for domestic and stock use are informed and aware of permitted rate of take, reasonable daily volume and efficient use practices by Sept 2016.	On Schedule	<ul style="list-style-type: none"> • Options are being considered - noticeboard, social media.
			MS6	By June 2017, a stocktake of an estimation of quantities of water recorded in Banks Peninsula streams. Next steps/actions to be agreed by Zone Committee.	On Schedule	<ul style="list-style-type: none"> • A stocktake is to be undertaken of records of both gauged and recorder water quantity in Banks Peninsula streams. • Estimate stream flows classified by 'buddy' recorded streams and others not gauged.
2	Flood management in the Wairewa catchment	Waterways in the Wairewa catchment are well managed, flood hazards reduced, stream banks stabilised and protected.	MS7	A minimum of 500 popular and willow poles are propagated and available to Banks Peninsula farmers by June 2020.	Behind Schedule	<ul style="list-style-type: none"> • Environment Canterbury is to visit poplar and willow nurseries to learn about hybrids available and conduct field trips/days to show how to plant and care for poles. It will estimate pole numbers needed by farmers interested in planting for erosion control and establish a pole order, delivery and temporary storage process for Banks Peninsula landowners.
			MS8	Annual report of River Rating project is provided to the Zone Committee by 2017 on the previous year's programme and a communication strategy is developed to promote the coming year's programme.	On Schedule	<ul style="list-style-type: none"> • Little River's River Rating District annual reports are passed on to Banks Peninsula Zone Committee.
			MS9	By 2016 the location of a 'pilot' bank stabilisation project on a section of river bank in the Wairewa catchment is agreed by the Zone Committee.	On Schedule	<ul style="list-style-type: none"> • Application for a comprehensive resource consent is in progress to permit bank stabilisation work in the Wairewa catchment. • A report on enhanced sediment mitigation identifies a number of sites of river banks damaged during storm events (e.g. 2014) and treatment methods to stabilise them. • Owners will be approached shortly to learn about the remediation project and, if they are in agreement, remediation will proceed. • Zone Committee has approved some funding. This will help meet costs for a part of the work but further funds are to be sourced.
			MS10	Zone Committee sign off on a communications strategy to promote bank stabilisation options and outcomes by 2016.	On Schedule	
			MS11	An integrated Wairewa Management Plan, which identifies erosion risk and known sediment sources within the catchment, is developed by 2018.	On Schedule	<ul style="list-style-type: none"> • Wairewa bank stabilisation project plan has been drafted.
			MS12	All landowners with high-risk stream boundaries are aware of their options by 2019.	On Schedule	<ul style="list-style-type: none"> • Owners of banks needing stabilisation are currently being identified with a view to visiting them to talk through treatment options.
			MS13	By 2020, 80% of stream banks in the Wairewa catchment that require stabilisation have been stabilised.	On Schedule	<ul style="list-style-type: none"> • Landowners are being encouraged to collaboratively progress bank stabilisation works.
3	Improved stormwater management and reduced sediment discharges	Programmes are established to reduce sediment discharges to waterways from stream bank and hill slope erosion.	MS14	Christchurch City Council integrated catchment stormwater management plans within the zone are completed by April 2020 and the Zone Committee is involved in the development of and engagement in these plans.	On Schedule	<ul style="list-style-type: none"> • A schedule of all catchment stormwater management plans, their priority and completion dates is to be obtained from the Christchurch City Council. Quarterly progress updates are provided to Banks Peninsula Zone Committee.
			MS15	All medium- and high-risk construction phase sites that are consented are proactively monitored and reported annually by 2016.	On Schedule	<ul style="list-style-type: none"> • Environment Canterbury is constantly targeting high-risk consents to ensure they comply.
			MS16	A strategy is developed from the stormwater management plan to deal with sediment runoff and associated sediment discharges from roadside cuttings and roadways by 2020.	On Schedule	<ul style="list-style-type: none"> • The project 'Erosion and sediment control pilot project on Lyttelton Harbour basin road-side cuttings' began. The first stage has been completed, which involved characterising existing road-side cuttings, undertaking a literature review and identifying a range of suitable techniques likely to be effective to test. Current actions include further evaluation of potential sites in terms of cost and practicalities such as access and health and safety. In 2017-18 the trials will be designed in detail, with implementation to follow that. • See Milestone 29 - soil conservation and biodiversity work together.
			MS17	Zone Committee selects priority areas for Ki uta ki tai projects, focusing on slope stability, riparian and wetland revegetation, enhancement of mahinga kai and mauri establishment by 2017.	On Schedule	
			MS18	By 2017 a 'pilot' proposal using three stabilisation methods on roadsides in the Whakaraupō/Lyttelton Harbour catchment is agreed by the Zone Committee.	On Schedule	<ul style="list-style-type: none"> • Three potential 'pilot' sites have been selected for further consideration.
4	Operate at good management practice (GMP)	Good management practice is understood. Farmers use GMP as a standard and change farm practices as opportunities arise.	MS19	All farmers in the zone have been invited to attend a Beef and Lamb NZ farm environment plan (FEP) workshop by 2019.	On Schedule	<ul style="list-style-type: none"> • A number of Banks Peninsula farmers have already attended a Beef and Lamb NZ FEP workshop. More farmers have expressed their interest. Farmers from another bay will be invited to a workshop planned for September/October 2017.
			MS20	All small block landowners in the zone have been invited to attend a lifestyle block plan (LBP) workshop by 2020.	Behind Schedule	<ul style="list-style-type: none"> • On hold due to Milestone 19.
			MS21	Up to 10 FEP workshops have been held in the zone by 2020.	On Schedule	<ul style="list-style-type: none"> • Environment Canterbury is to hold at least one FEP workshop per year.
			MS22	By 2020 all farms and small blocks in the zone have FEPs or LBPs and are under the process of continuing improvement using GMP.	On Schedule	<ul style="list-style-type: none"> • An information sheet is being developed about good management practices specific to Banks Peninsula.
			MS23	All properties growing more than 20 hectares of winter feed crops are within nitrogen baseline of 20kg N/ha/yr or require resource consent to farm, by 2018.	On Schedule	<ul style="list-style-type: none"> • Work is ongoing to make sure farmers are aware of Canterbury Land and Water Regional Plan rules.
5	The value of biodiversity is recognised in its own right and embraced through Kaitiakitanga	Community strongly committed to improving biodiversity and understanding its value and significance. Kaitiakitanga is embraced as an overarching value in all streams, freshwater wetlands, Te Roto O Wairewa, saltmarshes/estuaries, springs and harbours in the Banks Peninsula Zone and reflect Ki uta ki tai, mauri, mahinga kai to tangata whenua, wahi tapu and wahi taonga.	MS25	Zone Committee to develop a plan of how to increase community awareness and understanding of biodiversity by October 2018.	On Schedule	<ul style="list-style-type: none"> • Ongoing.
			MS26	Annual report to the Zone Committee on Zone Committee biodiversity projects in priority areas by August 2016.	On Schedule	<ul style="list-style-type: none"> • Contact is maintained with grant recipients to make sure they are on track with their projects, and approving invoices etc. • Five-year summary of Immediate Steps funding was prepared and presented to Zone Committee in May and to Councillors in June.
			MS27	Strong links are created with other parties involved in biodiversity protection, such as Christchurch City Council, Department of Conservation and other identified groups by March 2017, for the promotion of biodiversity protection and enhancement within the zone.	On Schedule	<ul style="list-style-type: none"> • Biodiversity Officer attends relevant biodiversity-focused meetings and workshops. Biodiversity Officer works with relevant organisations, e.g. Christchurch City Council, Department of Conservation, Banks Peninsula Conservation Trust, QEII Trust.
			MS28	Two significant wetlands (Head of the Bay Whakaraupō and head of the lake Te Roto o Wairewa) are identified for management plans by June 2017.	On Schedule	<ul style="list-style-type: none"> • Zone Committee has confirmed that Wairewa and Whakaraupō are the two significant wetlands.
			MS29	Zone Committee sign off on a range of educational and other programmes that go towards enhancing mahinga kai by October 2019.	On Schedule	<ul style="list-style-type: none"> • Communities have been helped to establish Ki uta ki tai projects focused on slope stability, riparian and wetland revegetation (with bonus of enhancement of mahinga kai and mauri). • Ki uta ki tai projects have been supported in key streams that will enhance revegetation, mahinga kai and mauri. Work has been done through the five-year Priority Catchment Immediate Steps programme. • Applications for Immediate Steps biodiversity enhancement projects have been processed for approval by Zone Committee. Projects are managed through CRM database.
6	Support community ownership	Community understand water and land-use issues and collaborate in finding practical solutions and take actions. Environmental successes in the zone are appropriately recognised and publicised.	MS30	Zone Committee sign off on a communications strategy (which includes community based social marketing strategies) by the end of 2016.	On Schedule	<ul style="list-style-type: none"> • A communications strategy for the Banks Peninsula Zone is being developed with communications team and awareness raising of what we can do to improve biodiversity continues.
			MS31	Annual updates are given to the community on the progress of Te Roto O Wairewa by 2017.	On Schedule	<ul style="list-style-type: none"> • A process for annual updates is being confirmed with the communications team.
			MS32	Annual report to Zone Committee on responses taken on one-off incident matters by 2017	On Schedule	<ul style="list-style-type: none"> • Work is on track to keep a record of all one-off environmental incident matters and give a summary report to Zone Committee by July 2017.
			MS33	Options for involving schools, community groups and rūnanga in Zone Committee activities are investigated and report to Zone Committee with recommendations by 2017.	On Schedule	<ul style="list-style-type: none"> • Work is on track to build on existing initiatives to involve rūnanga, schools and community groups.
7	Whakaraupō/ Lyttelton Harbour Catchment Management Plan	Environment Canterbury, Lyttelton Port of Christchurch, Te Hapū o Ngāti Wheke and Te Rūnanga o Ngāi Tahu with Tangata Tiaki representation will consult with other stakeholders and agree on an organisational and governance structure, and process, for developing a catchment management plan for Whakaraupō/Lyttelton Harbour.	MS34	Stocktake of existing traditional and scientific knowledge is completed by June 2016.	Behind Schedule	<ul style="list-style-type: none"> • The project governance group met in May to guide the response to the science work and the community feedback and to set the overall direction and form of the Whakaraupō/Lyttelton Harbour Catchment Management Plan.
			MS35	Harbour Catchment Management Plan is developed by December 2017.	On Schedule	<ul style="list-style-type: none"> • Part of Milestone 34 findings.
			MS36	Set up a community meeting/symposium by 2018.	On Schedule	<ul style="list-style-type: none"> • Due next year.
			MS37	Research carried out on health of all fresh water and coastal wetlands by 2019.	On Schedule	<ul style="list-style-type: none"> • Research is to be started within the next 18 months.
			MS38	Set up a work programme with landowners to improve water quality in waterways feeding into wetlands by 2020.	On Schedule	<ul style="list-style-type: none"> • Not started.
8	Raise awareness of climate change effects	Improve the availability and quantity of fresh water from waterways reliant on rain on Banks Peninsula and address climate change issues.	MS39	Stocktake existing science knowledge regarding climate change predictions to identify risks and threats to water quality and quantity from climate change scenarios by 2018.	On Schedule	<ul style="list-style-type: none"> • Meeting is to be set up with relevant National Institute of Water and Atmospheric Research (NIWA) scientists to conduct stocktake of the current knowledge on the effects of climate change.
			MS40	Stocktake science and common knowledge of the types and character of ephemeral and permanent waterways, springs and wetlands by 2018.	On Schedule	<ul style="list-style-type: none"> • Meeting is to be set up with NIWA about the impacts of climate change on ephemeral and permanent waterways, springs and wetlands.
			MS41	Predict likely effects to waterways health and flows from climate change by 2020.	On Schedule	<ul style="list-style-type: none"> • Will predict likely effect of climate change on water flows.
			MS42	Raise awareness of the exposed nature of Banks Peninsula to climate change, including community awareness of likely effects by 2020.	On Schedule	<ul style="list-style-type: none"> • Ongoing.
9	Resource consent monitoring is prioritised within the zone	Resource consent monitoring will be prioritised on Banks Peninsula in relation to priorities in the zone.	MS43	100% of all high-risk consents (including water treatment plants, subdivision and earthworks, water abstraction, takes from spring-fed streams and wetlands, works in waterways) within the zone will be monitored at least once per year.	On Schedule	<ul style="list-style-type: none"> • Key consented activities (medium-high risk) are to be targeted and compliance monitored to ensure effects of earthworks, tree clearance and land development are minimised. • Annual monitoring programme will be prepared, scheduling all high-risk consents to be monitored (this will be revised during year as new consents become active). • Annual report will be prepared, summarising total number of consents monitored and any compliance issues. • The Zone Committee advocate endorsed 2016/17 consent priorities.
			MS44	The Zone Committee will develop a zone-specific strategy to educate people on their responsibilities for managing septic tanks by November 2016.	Behind Schedule	<ul style="list-style-type: none"> • Extensive research is complete and water quality test options for owners considered. A wastewater system checklist for residents has been developed and is to be reviewed by Banks Peninsula Zone Committee in August.
			MS45	100% of all complaints regarding sediment discharges are followed up within the zone and actions/outcomes are reported back.	On Schedule	<ul style="list-style-type: none"> • Complaints from community about key consented activities are responded to and necessary action taken to ensure compliance. • Fortnightly report on sediment complaints has been set up.