

Schedule A - Reef Guardian Council Action Plan

Cassowary Coast Regional Council

Financial

Year 2014/2015

Project Name	Description	Financial/Resource Commitment (Including funding sources, council contribution and relevant history)	Partnerships	Dept/Person Responsible	% completed
<b>LAND MANAGEMENT</b>					
<b>Declared pest management</b>	Weed management (as directed by Pest Management Plan)	2 FTE, contribute \$57,000 precept to state government (biosecurity, DAFF)	BQ/DAFF	Natural Environment	Ongoing
	Feral animal management	2 FTE as required, \$50,000 for pig program, operates under MOU	BQ/DAFF/Terrain NRM	Natural Environment	Ongoing
<b>Road resealing</b>	Road re-seal program (change in techniques/ practices resulting in efficiency gains in use of machinery, number of repairs, etc leading to gains for climate change outcomes e.g. less fuel and materials used)	\$1.2 million (Total Cost)	FNQROC	Civil Works	Ongoing
	Rural road sealing program - reduce number of roads causing dust and runoff	Currently \$250,000	FNQROC	Civil Works	Ongoing
<b>Erosion</b>	Shoreline erosion management works for Flying Fish Point and ongoing implementation and erosion mitigation for all other beaches	1 FTE as required plus \$220,000 from CCRC budget	CCRC	Natural Environment	Ongoing
<b>Cardwell foreshore management regime - post foreshore reconstruction maintenance</b>	Long term foreshore erosion protection/vegetation management program	Part of operational works program, 4 FTE as required plus \$200,000 budget allocation	CCRC, community groups	Parks and Facilities	Not yet commenced
<b>Cardwell foreshore reconstruction - post Cyclone Yasi</b>	Ongoing foreshore erosion protection program including sand nourishment as required	1 FTE as required	CCRC, DEHP, many local (Cardwell based) community groups and associations	Community Services	Ongoing yearly
<b>Restoration of natural assets</b>	Works at Mission Beach, Cowley Beach, Bingil Bay, Brooks Beach, Kurrimine Beach, Flying Fish Point - littoral rainforest	Coastal stewardship program to continue, 1 FTE plus \$5,000 from Terrain	Community, Traditional Owners, 15 Community Groups, Schools, Service Clubs Sporting Clubs, Guides, Scouts etc	Natural Environment Section	Ongoing
	Restoring native riparian vegetation	CCRCRIT 2014/15 works program plus \$100,000 precept to DNRM	Cassowary Coast River Improvement Trust	Natural Environment	Ongoing
<b>Local laws</b>	Local laws enforcement for Council controlled foreshore areas	0.2 FTE	CCRC, Police, Community Groups, Residents	Natural Environment	Ongoing

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<b>Community programs</b>	Tree planting days as part of Federal Government's 20 Million Trees program	1 FTE staff supervisor as required	CCRC, Green Army	Natural Environment section	Ongoing
<b>Rationalising reserve tenures</b>	Ensure that tenures protect environmental values	CCRC Staff time/resources as needed for ongoing implementation, particularly under the Commercial Use of Reserves Policy	CCRC	Natural Environment	Ongoing
	Ongoing implementation and yearly re-signing of MOU within Girringun IPA area for co-management of CCRC managed reserves	CCRC Staff time/resources as needed to develop 2 co-management plans per year	Girringun	Natural Environment	Ongoing
<b>Direct grants to community</b>	Land owners of properties with high conservation value are given rates concession in exchange for conservation covenant.	Approx \$50,000 per year		Rates, Planning and Environmental Services	100%
<b>Riparian and wetland protection - planning and development requirements</b>	FNQROC Development Manual, which is a Planning Scheme Policy in the current Johnstone and Cardwell Shire Planning Schemes	As needed and dependant on planning/development applications. 2 x planners as required plus input from other CCRC sections	FNQROC	Planning/Civil Works/Environmental Services	100%
<b>General protection of environmental values - land use</b>	Johnstone Shire and Cardwell Shire Planning Schemes and provisions	2 Planning Officers as required	Planning Section, Environmental Services, Civil Works	Planning Services	Ongoing
<b>Development of new CCRC Planning Scheme</b>	Protection of areas with biodiversity value Protection of habitat corridors Protection of wetlands Protection of coastal areas and regulation of coastal development Protection of waterways, riparian areas and waterway corridors	Development of the new Planning Scheme utilises a number of staff across CCRC and has a dedicated planning budget	Strategic Planning, Planning Services, Environmental Services, Natural Environment Section, Works Department	Strategic Planning	New Planning Scheme to be completed in 2015
<b>Draft Planning Scheme Policy for landscaping</b>	Incorporates list of native species for landscaping	Strategic Planning Budget	Strategic Planning, Natural Environment, Environmental Services	Strategic Planning	To be completed with the new Planning Scheme in 2015
<b>CCRC Flood Study</b>	Provides basis for making decisions regarding land use, infrastructure planning and disaster management (e.g. location of industries with contaminant sources during flood)	\$250 000 CCRC budget plus \$50 000 from Department of Transport and Main Roads	Assets Section, Civil Works Section, Corporate Services Department, Strategic Planning Section	Assets and Engineering	90%
<b>WATER MANAGEMENT</b>					

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<b>Water Management</b>	Wetland and riparian area management	1 x operational level FTE on ground, 0.3 FTE in planning	CCRCRIT	Natural Environment, Parks & Facilities	Ongoing
	Maintenance, erosion and sediment control, education and compliance	Civil Works staff plus 2 FTE Environmental Officers available as required. Amount of time allocated depends on issues that arise during the year.	DEHP/FNQROC	Civil Works/Environmental Services	Ongoing
<b>Protection of water quality</b>	Environmental monitoring program for landfills (ground and surface water) and sewage effluent	1 FTE Environment officer as needed, 2 FTE Water and sewage staff as needed plus approx \$80 000 analysis costs per annum	CCRC/DEHP/Consultants	Water & Sewerage/Environmental Services	Ongoing
<b>Stormwater management - planning and development requirements</b>	FNQROC Development Manual	Part of normal work operations - difficult to separate financial allocation as absorbed in budgets.		Civil Works/Planning Services/ Environmental Services	100%
<b>Riparian and wetland protection - planning and development requirements</b>	FNQROC Development Manual	Part of normal work operations - difficult to separate financial allocation as absorbed in budgets.		Civil Works/Planning/ Environmental Services	100%
<b>Control of run off - fuel dispensing</b>	Bunded fuel dispensing areas especially diesel, training of staff in spill control and ongoing supervision of dispensing activities, development of SOP's for spill	2 FTE Environmental Officer as required plus on-site supervisors at each depot	DEHP	Civil Works, Environmental Services	Ongoing
<b>Works projects and activities</b>	Implement and maintain sediment and erosion control measures on all sites where earth is disturbed or exposed. Particular emphasis on works adjacent to or within watercourses.	Budgeted for each job/project. 5 FTE in supervising capacity with formal qualifications in Civil Construction which incorporates sediment control elements.	DEHP	Civil Works	Ongoing
<b>Mobile refuelling operations on job sites</b>	Ensure refuelling is conducted on flat areas away from drainage. Spill kits available on site and staff trained in their use	Budgeted as part of routine operations	DEHP	Civil Works and Environmental Services	Ongoing
<b>Large works projects</b>	Ensure large projects have suitable Environmental Management Plans in place or contractors have established plans. Ensure plans are complied with.	Budgeted for each job/project	DEHP	Civil Works and Environmental Services	Ongoing
<b>Works in sensitive areas e.g. Wet Tropics World Heritage Area</b>	Ensure workers are aware of sensitivity of World Heritage areas and additional precautions taken if needed. Ensure permits are obtained if needed and conditions of permits are complied with.	Budgeted for each job/project.	WTMA, DEHP	Civil Works and Environmental Services	Ongoing

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<b>Parks and Gardens Section operations - herbicide use</b>	All staff possess formal ACDC licences. All mixing and dispensing of herbicide is conducted in fully bunded areas dedicated specifically for chemicals. Chemical bays designed with sump to be pumped out and disposed of via contractor. Spray operators aware of requirement to take extra care around waterways or sensitive areas.	Budgeted for each job/project	DEHP	Parks and Facilities, Environmental Services	Ongoing
<b>Parks and Gardens Section operations - sediment control</b>	All staff in the section are aware of issues associated with sediment runoff. Any projects involving loose or disturbed earth have sediment controls installed and maintained	Budgeted for each job	DEHP	Parks and Facilities, Environmental Services	Ongoing as needed
<b>Parks and Facilities operations - vegetation/tree removal</b>	Procedures in place to assess requests for tree removal, including decisions not to remove other than for safety reasons. Trees assessed for species significance, fauna habitat value, proximity to water courses. Staff aware of marine vegetation/species and protection requirements. Preference in most cases is for pruning rather than removal	Budgeted as part of normal operations and CCRC has applicable vegetation policy for riverbanks and foreshores	DEHP, WTMA, DAFF	Parks and Facilities	Ongoing as needed
<b>WASTE</b>					
<b>Implementation of CCRC Waste Management Strategy</b>	Address litter and illegal dumping management	Waste budget	DEHP	Environmental Services/Waste Management	Ongoing as needed
	Advise/educate CCRC residents about environmentally, socially and financially responsible waste management	Waste budget, 3 FTE as required	DEHP, schools, daycare centres, community groups	Waste Management/Environmental Services	Ongoing
	Establish an agreement with a regional Material Recovery Facility (MRF) to receive recyclables from CCRC transfer stations	Waste budget	FNQROC Sustainability Working Group and Steering Committee	Waste Management Section	Ongoing
<b>Green waste disposal and provision of mulch</b>	Community allowed to dispose of green waste for free. This green waste is then mulched and made available to the public on a cost recovery basis.	Part of normal waste operations at transfer stations		Waste Management	Completed for financial year but ongoing/permanent service
<b>ChemClear and Drum Muster</b>	Community allowed to dispose of chemical drums for free at all transfer stations. Council picks up of Drum Muster drums in Southern part of the Region	Part of normal waste operations at transfer stations, 2 Council Officers as required	ChemClear, Drum Muster, Waste Contractor	Waste Management	

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<b>Waste oil recycling</b>	Community allowed to dispose of waste mechanical oil for free	Part of normal waste operations at transfer stations	Waste Contractors	Waste Management	Completed for financial year but ongoing/permanent service
<b>Environmental licence compliance &amp; Integrated Environmental Management System (IEMS)</b>	Ensuring that all transfer stations (closed included), sewage treatment plants and extraction sites are compliant with DEHP licence	3 FTE positions as required	DEHP	Environmental Services	Completed for Stoters Hill waste disposal facility in the 12/13 period. Audits completed
	Review and update all site based management plans and supporting documentation and procedures	1 FTE position as required	DEHP	Environmental Services	Ongoing
<b>Innisfail STP Tertiary discharge monitoring</b>	Upgrade to tertiary level completed. Ongoing commitment to monitoring water quality for the life of the plant	2 FTE positions as required plus assistance from 2 Environmental officers as required.	DEHP, CCRC (Water and Sewerage Section, Environmental Services)	Water and Sewerage	Ongoing
<b>Litter control - CCRC works sites</b>	Provide bins on each job site for waste	As needed for each job site	DEHP	Civil Works	Ongoing
<b>COMMUNITY EDUCATION &amp; CAPACITY BUILDING</b>					
<b>Community outreach</b>	Great Northern Cleanup, Clean Beach Challenge, Tidy Towns	Provide support as needed for cleanup activities		Environmental Services	Completed for the 14/15 period
<b>Promoting natural/marine values</b>	Design, installation and maintenance of interpretive signage. Increase awareness and knowledge by, for example, providing signage for critical dune systems, coordinating activities with schools and supporting community groups	Incorporated into existing projects 0.25 FTE, \$20,000 plus contributions/donations and grant money from a range of organisations	WTMA, Terrain NRM, various community groups, Traditional Owners, GBRMPA, Reef Guardian Schools	Special Projects & Planning, Natural Environment	Ongoing
<b>Coastal Engagement Program</b>	Engagement of communities in coastal areas for tree plantings, weeding, foreshore protection, education and interpretation - community "ownership and empowerment"	variable amount of individuals involved with tree planting and education plus \$50,000 budget allocation from CCRC and 0.3 FTE staff as needed.	Community, Traditional Owners, 15 Community Groups, Schools, Service Clubs, Sporting Clubs, Guides, Scouts, etc	Natural Environment	Ongoing
	Conservation volunteers	Individuals involved with tree planting and education (1 FTE position as required )	Community, Traditional Owners, 15 Community Groups, Schools, Service Clubs Sporting Clubs, Guides, Scouts, etc	Natural Environment	Ongoing

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<b>Livestock control</b>	Fencing riparian areas to exclude livestock	No dedicated resources apart from CCRC staff time to liaise. Funding provided by other organisations.	Landcare, Terrain NRM, WPSQ	Natural Environment	Ongoing
	Providing off-river watering points	No dedicated resources apart from CCRC staff time to liaise. Funding provided by other organisations.	Landcare, Terrain NRM, WPSQ	Natural Environment Section	Ongoing
<b>Education</b>	Green waste recycling, composting and general waste reduction/minimisation/ avoidance	Part of normal operations		Environmental Services	Ongoing
	Litter - enforcement of laws, education, reporting litter and litter prevention	Up to 8 staff authorised to enforce/implement/ educate	DEHP	Environmental services	Ongoing
	Council provide "sustainability" education workshops to childcare groups and primary and high schools	At least 1 staff member available as required		Environmental Services	Ongoing
<b>Litter project - ETTY Bay</b>	Installation of interpretive signage and cigarette butt bins at the ETTY Bay facilities	2 FTE, funding from Reef Guardian program, staff and students from Mourilyan State School	CCRC, Mourilyan State School, GBRMPA/Reef Guardian Program	Parks and Facilities	
<b>CLIMATE</b>					
<b>Sustainability Policy</b>	Implementation of Council's sustainability policy	8 "core" staff from a range of sections (planning, works, sewage, assets, engineering, environment) involved in the sustainability working group - quarterly meetings	CCRC - all departments	Strategic Planning	Ongoing
	Implement policy on purchasing and using biodegradable products at Council events	Budgeted as part of normal operations.		All Departments holding events or functions	Ongoing
<b>Fuel efficient vehicle fleet</b>	Conversion of the majority of CCRC fleet to diesel. Less fuel burnt/used, less emissions, maintenance costs and frequency less, generally longer engine life. Currently at about 93%.	Fleet budget and 2 FTE positions as required.		Fleet Services	
<b>Implementation of Energy Audit recommendations</b>	Installation of timers, motion detectors, energy efficient lighting	\$30,000 in sustainability budget plus facilities budget allocation. At least 2 FTE as required.	Environmental Services Section, Facilities Section, Strategic Planning Section	Strategic Planning/ Environmental Services	
<b>Parkland Master Planning</b>	Incorporation of sustainability and natural environment values into master planning processes (Rotary Park at Wongaling Beach, Lions Park at Tully, Mission Beach Coastal Plan)	Incorporated into projects - 1 FTE position as required. Greater Mission Beach Foreshore Management Plan public consultation phase in late 2014 followed by report to council with results of consultation.	Community groups, Mission Beach Visual Amenity Reference Group, Traditional Owners.	Special Projects and Planning, Civil Works, Parks and Facilities	Ongoing

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Council events	Providing information at Council and community events to promote community awareness of environmental matters	5 FTE positions available as and when required	WPSQ, Terrain NRM, community groups	Environmental Services, Natural Environment, Water and Sewerage, Community Services, Waste Management	Ongoing

Signed by Chief

Executive Officer:

Date: / /