

**Appendix A**

# **Photolog Register**

Y Co-ord.	X Co-ord.	Photo ID	Date	Time	Location
-25.612344	152.875658	RIMG0010 (3).JPG	2010:02:09	8:24:52	Maroom
-25.612183	152.875694	RIMG0011 (3).JPG	2010:02:09	8:25:14	Maroom
-25.612167	152.875986	RIMG0012 (3).JPG	2010:02:09	8:26:01	Maroom
-25.612175	152.876003	RIMG0013 (3).JPG	2010:02:09	8:26:05	Maroom
-25.612175	152.876003	RIMG0014 (3).JPG	2010:02:09	8:26:08	Maroom
-25.612178	152.876025	RIMG0015 (3).JPG	2010:02:09	8:26:16	Maroom
-25.611883	152.875967	RIMG0016 (3).JPG	2010:02:09	8:27:06	Maroom
-25.6118	152.876061	RIMG0017 (3).JPG	2010:02:09	8:27:29	Maroom
-25.611608	152.876103	RIMG0018 (3).JPG	2010:02:09	8:27:54	Maroom
-25.611611	152.876028	RIMG0019 (3).JPG	2010:02:09	8:28:10	Maroom
-25.611522	152.876078	RIMG0020 (3).JPG	2010:02:09	8:28:27	Maroom
-25.611069	152.8761	RIMG0021 (3).JPG	2010:02:09	8:29:15	Maroom
-25.6111	152.876103	RIMG0022 (3).JPG	2010:02:09	8:29:29	Maroom
-25.611097	152.876108	RIMG0023 (3).JPG	2010:02:09	8:29:38	Maroom
-25.611053	152.876058	RIMG0024 (3).JPG	2010:02:09	8:29:51	Maroom
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-25.610822	152.876078	RIMG0027 (3).JPG	2010:02:09	8:30:39	Maroom
-25.610739	152.876133	RIMG0028 (3).JPG	2010:02:09	8:30:55	Maroom
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-25.662611	152.903544	RIMG0048 (3).JPG	2010:02:09	9:08:12	Boonooro
-25.662619	152.903567	RIMG0049 (3).JPG	2010:02:09	9:08:37	Boonooro
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**Appendix B**

# **Register of Digital Data**

GIS Ref. No.	Layer Name	Attributes	Source	Data Created	Datum	Spatial Coverage	Main Keyword	Secondary Keyword	File Location	Data Licence Agreement Received:	Date of Expiry:
1	Biogeographic Regions - QLD	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Bioregion	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
2	Biogeographic Subregions - QLD	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Biosubregion	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
3	Dams and Lakes Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2008	GDA94	Queensland	Catchment Processes	Lakes	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
4	Declared Catchments Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Catchment Processes	Catchments	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
5	Dominant Soil Order Mapping Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2003	GDA94	Queensland	Catchment Processes	Soils	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	Open
6	Drainage Basins Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Catchment Processes	Drainage	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
7	Groundwater Observation Bore Sites Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2005	GDA94	Queensland	Catchment Processes	Groundwater	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
8	Hazardous Areas	MapInfo Table	Queensland Government Information Service (DEEDI)	2009	GDA94	Queensland	Catchment Processes	Hazardous	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
9	Local Government Area Boundaries Fortnightly Extract Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2010	GDA94	Queensland	Catchment Processes	LGA	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
10	Queensland Wetland Data - Wetlands	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Wetlands	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
11	Vegetation Management Act High Value Regrowth Vegetation Version 2.0	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Vegetation Regrowth	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
12	Vegetation Management Act Regional Ecosystems Vers 6.0 - SEQ	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Vegetation Regional	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
13	Wetlands Directory of Important	MapInfo Table	Queensland Government Information Service (DERM)	2005	GDA94	Queensland	Ecology	Wetlands	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
14	Nature Refuges and Coordinated Conservation Areas	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Refuge	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
15	Property Boundaries Fortnightly Extract Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2010	GDA94	Queensland	Land Use	DCDB	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
16	Protected Areas of Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Protected Areas	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
17	Protected Areas of Queensland - Boundaries	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Protected Areas	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
18	Queensland Heritage Register Boundaries	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Cultural Heritage	European	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
19	Ramsar Sites - QLD	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	Ramsar	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
20	Regional Vegetation Management Planning Boundaries Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2007	GDA94	Queensland	Ecology	Regional Vegetation	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
21	River Basins Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2008	GDA94	Queensland	Catchment Processes	River	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
22	Stock Routes Queensland	MapInfo Table	Queensland Government Information Service (DERM)	2010	GDA94	Queensland	Catchment Processes	Stock Routes	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
23	Vegetation Management Act Property Maps of Assessable Vegetation (PMAV)	MapInfo Table	Queensland Government Information Service (DERM)	2010	GDA94	Queensland	Ecology	Vegetation PMAV	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
24	Vegetation Management Act Queensland Regrowth Watercourses Version 2	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Catchment Processes	Regrowth Watercourses	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
25	Water resource planning area boundaries	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Catchment Processes	Water Resource PAs	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
26	Wild Rivers Declared Area Boundary	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Catchment Processes	Wild Rivers	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
27	Wild Rivers Declared Area Boundary Polyfiles	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Catchment Processes	Wild Rivers	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
28	World Heritage Areas - QLD	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Ecology	World Heritage	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
29	Vegetation Management Act Regrowth Other Watercourses Version 2.0	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Catchment Processes	Regrowth Watercourses	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
30	Vegetation Management Act Remnant Watercourses Version 2.0	MapInfo Table	Queensland Government Information Service (DERM)	2009	GDA94	Queensland	Catchment Processes	Watercourses	\\LJ8910\DATA\GIS layers (Queensland Government Information Service)	6/05/2010	
31	Cultural Heritage Places	MapInfo Table	DERM	Unknown	GDA 94	FCRC	Cultural Heritage	Cultural Heritage	\\LJ8910\DATA\DERM\Cultural Heritage		
32	Land description and land tenure - cadastral layer	ESRI Shape	DERM	2010	GDA 94	FCRC	Land Use	Tenure			
33	Coastal management control districts	ESRI Shape	DERM	2006	GDA 94	Queensland	Planning	Coastal Man Control District	\\LJ8910\DATA\DERM\coast_man_cont_dist_nov06		
34	Directory of Important Wetlands	ESRI Shape	DERM	2005	GDA 94	Queensland	Ecology	Wetlands	\\LJ8910\DATA\DERM\doi_wetlands_june05	NA	Open
35	AQUA Bamm (biodiversity - Burnett River)	ESRI Shape	DERM	2004	GDA 94	Burnett Region	Ecology	Vegetation	\\LJ8910\DATA\DERM\aquabamm_v1	NA	Open
36	Queensland Estates (protected areas)	ESRI Shape	DERM	2010	GDA 94	Queensland	Ecology	Estate Areas	\\LJ8910\DATA\DERM\qld_estates_ext_mar10		
37	Queensland Wetland Data - Wetlands	ESRI Shape	DERM	2009	GDA 94	Queensland	Ecology	Wetlands	\\LJ8910\DATA\DERM\qldwetland\data_wetlands_oct09		
38	Ramsar	ESRI Shape	DERM	2006	GDA 94	Queensland	Ecology	Ramsar	\\LJ8910\DATA\DERM\ramsar_1_shape		
39	World Heritage Areas - QLD	ESRI Shape	DERM	2008	GDA 94	Queensland	Ecology	World Heritage	\\LJ8910\DATA\DERM\wha_nov08		
40	Dugong Protection Areas	ESRI Shape	DEEDI	2007	GDA 94	Queensland East Coast	Ecology	Dugong Habitat	\\LJ8910\DATA\DEEDI	17/05/2010	Open
41	Fish Habitat Areas	ESRI Shape	DEEDI	2010	GDA 94	Queensland	Ecology	Fish Habitat	\\LJ8910\DATA\DEEDI	17/05/2010	Open

GIS Ref. No.	Layer Name	Attributes	Source	Data Created	Datum	Spatial Coverage	Main Keyword	Secondary Keyword	File Location	Data Licence Agreement Received:	Date of Expiry:
42	HGSS Meadows	ESRI Shape	DEEDI	2010	GDA 94	Queensland East Coast	Ecology	Seagrass	\\LJ8910\DATA\DEEDI	17/05/2010	Open
43	ASS Maryborough	ESRI Shape	DERM	2009	GDA 94	Maryborough	Catchment Processes	ASS	\\LJ8910\DATA\DERMASS	12/05/2010	Open
44	Draft QCP - Coastal Management District	ESRI Shape	DERM	2009	GDA 94	Queensland	Planning	CMD	\\LJ8910\DATA\DERM\Draft Coastal Plan		
45	Draft QCP - Coastal Zone	ESRI Shape	DERM	2009	GDA 94	Queensland	Planning	Zone	\\LJ8910\DATA\DERM\Draft Coastal Plan		
46	Draft QCP - HES	ESRI Shape	DERM	2009	GDA 94	Queensland	Planning	HES	\\LJ8910\DATA\DERM\Draft Coastal Plan		
47	Draft QCP - HES Estate	ESRI Shape	DERM	2009	GDA 94	Queensland	Planning	HES	\\LJ8910\DATA\DERM\Draft Coastal Plan		
48	Draft QCP - Maritime Development Area	ESRI Shape	DERM	2009	GDA 94	Queensland	Planning	MDA	\\LJ8910\DATA\DERM\Draft Coastal Plan		
49	Essential Habitat	ESRI Shape	DERM	2010	GDA 94	FCRC	Ecology	Essential Habitat	\\LJ8910\DATA\DERM\Essential Habitat		
50	EPP Water (Schedule 1) Values	ESRI Shape	DERM	2006	GDA 94	Queensland	Coastal	Water Quality	\\LJ8910\DATA\DERM\EV_schedule 1		
51	Great Sandy Strait Marine Park	ESRI Shape	DERM	2009	GDA 94	Queensland	Ecology	Marine Park	\\LJ8910\DATA\DERM\State_marine_parks_apr09		
52	Wildlife Online	Text	DERM	2010	GDA 94	FCRC	Ecology	Wildlife	\\LJ8910\DATA\DERM\Wildlife Online		
53	DCDB	MAP File	FCRC	Unknown	GDA 94	FCRC	Land Use	DCDB	\\LJ8910\DATA\Council\Cadastre	26-May-10	
54	Boat Harbour Leases	MAP File	FCRC	Unknown	GDA 94	FCRC	Land Use	Leases Harbour	\\LJ8910\DATA\Council\Cadastre		
55	Easements	MAP File	FCRC	Unknown	GDA 94	FCRC	Land Use	Easments	\\LJ8910\DATA\Council\Cadastre		
56	FCRC Boundary	MAP File	FCRC	Unknown	GDA 94	FCRC	Land Use	Boundary	\\LJ8910\DATA\Council\Cadastre		
57	FCRC Suburbs	MAP File	FCRC	Unknown	GDA 94	FCRC	Land Use	Suburbs	\\LJ8910\DATA\Council\Cadastre		
58	Foreshore Leases	MAP File	FCRC	Unknown	GDA 94	FCRC	Land Use	Foreshore Leases	\\LJ8910\DATA\Council\Cadastre		
59	Road Casements	MAP File	FCRC	Unknown	GDA 94	FCRC	Infrastructure	Road	\\LJ8910\DATA\Council\Cadastre		
60	Butchella Claim	MAP File	FCRC	2007	GDA 94	NTT Geospatial Corporate Data Model	Cultural Heritage	Aboriginal	\\LJ8910\DATA\Council\Cadastre\Native Title		
61	ILUA Registered and Notified - QLD	MAP File	FCRC	2007	GDA 94	NTT Geospatial Corporate Data Model	Cultural Heritage	Native Title	\\LJ8910\DATA\Council\Cadastre\Native Title		
62	Native Title Court Schedule	MAP File	FCRC	2007	GDA 94	NTT Geospatial Corporate Data Model	Cultural Heritage	Native Title	\\LJ8910\DATA\Council\Cadastre\Native Title		
63	NTD Register_QLD	MAP File	FCRC	2007	GDA 94	NTT Geospatial Corporate Data Model	Cultural Heritage	Native Title	\\LJ8910\DATA\Council\Cadastre\Native Title		
64	NTDB Register_QLD	MAP File	FCRC	2007	GDA 94	NTT Geospatial Corporate Data Model	Cultural Heritage	Native Title	\\LJ8910\DATA\Council\Cadastre\Native Title		
65	NTDA Schedule_QLD	MAP File	FCRC	2007	GDA 94	NTT Geospatial Corporate Data Model	Cultural Heritage	Native Title	\\LJ8910\DATA\Council\Cadastre\Native Title		
66	Potential Claimable Areas	MAP File	FCRC	2007	GDA 94	NTT Geospatial Corporate Data Model	Cultural Heritage	Native Title	\\LJ8910\DATA\Council\Cadastre\Native Title		
67	DQP Zones	MAP File	FCRC	2008	GDA 94	Hervey Bay	Land Use	Zones	\\LJ8910\DATA\Council\Cadastre\Town Planning\Hervey Bay		
68	TP Multizones	MAP File	FCRC	2008	GDA 94	Hervey Bay	Land Use	Zones	\\LJ8910\DATA\Council\Cadastre\Town Planning\Hervey Bay		
69	TP Zones	MAP File	FCRC	2008	GDA 94	Hervey Bay	Land Use	Zones	\\LJ8910\DATA\Council\Cadastre\Town Planning\Hervey Bay		
70	City Plan (Polyline)	MAP File	FCRC	2007	GDA 94	Maryborough	Land Use	City Plan	\\LJ8910\DATA\Council\Cadastre\Town Planning\Maryborough		
71	City Plan (Boundary)	MAP File	FCRC	2007	GDA 94	Maryborough	Land Use	City Plan	\\LJ8910\DATA\Council\Cadastre\Town Planning\Maryborough		
72	City Plan (text)	MAP File	FCRC	2007	GDA 94	Maryborough	Land Use	City Plan	\\LJ8910\DATA\Council\Cadastre\Town Planning\Maryborough		
73	Acid Sulfate Soils	MAP File	FCRC	2009	GDA 94	Tiaro	Catchment Processes	ASS	\\LJ8910\DATA\Council\Cadastre\Town Planning\Tiaro		
74	Agricultural Land	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	Agricultural	\\LJ8910\DATA\Council\Cadastre\Town Planning\Tiaro		
75	Biodiversity Planning	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	Biodiversity planning	\\LJ8910\DATA\Council\Cadastre\Town Planning\Tiaro		
76	Forest Reserves	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	forest reserves	\\LJ8910\DATA\Council\Cadastre\Town Planning\Tiaro		
77	Remnant Vegetation	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	remnant vegetation	\\LJ8910\DATA\Council\Cadastre\Town Planning\Tiaro		
78	Multizones	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	multizones	\\LJ8910\DATA\Council\Cadastre\Town Planning\Tiaro		
79	TP Zones	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	zones	\\LJ8910\DATA\Council\Cadastre\Town Planning\Tiaro		
80	Wetlands	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	wetlands	\\LJ8910\DATA\Council\Cadastre\Town Planning\Wococo		
81	Town Plan	MAP File	FCRC	2008	GDA 94	Wococo	Land Use	zones	\\LJ8910\DATA\Council\Cadastre\Town Planning\Wococo		
82	Overlays - HBCC Boundary	MAP File	FCRC	2002	GDA 94	Hervey Bay	Land Use	Boundary	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
83	Overlays - IPAAqLand Uses	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Land Uses	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
84	Overlays - Airport Buffers Radius	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Agricultural Land	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
85	Overlays - Airport Safety Zone	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Airport Buffer	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
86	Overlays - ANEF	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	ANEF	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
87	Overlays - Actual ASS	MAP File	FCRC	2009	GDA 94	Hervey Bay	Catchment Processes	AASS	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
88	Overlays - Cultural Heritage	MAP File	FCRC	2009	GDA 94	Hervey Bay	Cultural Heritage		\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
89	Overlays - Drainage	MAP File	FCRC	2009	GDA 94	Hervey Bay	Catchment Processes	Drainage	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
90	Overlays - Drainage Buffer	MAP File	FCRC	2009	GDA 94	Hervey Bay	Catchment Processes	Drainage Buffer	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		
91	Overlays - Extractive Deposit	MAP File	FCRC	2009	GDA 94	Hervey Bay	Catchment Processes	Extractive Deposit	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\HBCC		

GIS Ref. No.	Layer Name	Attributes	Source	Data Created	Datum	Spatial Coverage	Main Keyword	Secondary Keyword	File Location	Data Licence Agreement Received:	Date of Expiry:
92	Overlays - Fire Risk Medium High	MAP File	FCRC	2009	GDA 94	Hervey Bay	Catchment Processes	Fire Risk	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
93	Overlays - Gas Mains	MAP File	FCRC	2009	GDA 94	Hervey Bay	Infrastructure	Gas Mains	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
94	Overlays - Key Resource Areas	MAP File	FCRC	2009	GDA 94	Hervey Bay	Ecology	KRA	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
95	Overlays - Key Res Boundary	MAP File	FCRC	2009	GDA 94	Hervey Bay	Ecology	KRA Boundary	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
96	Overlays - Maryborough ABR	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Maryborough ABR	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
97	Overlays - Maryborough OLS	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Maryborough OLS	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
98	Overlays - Mined Property	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Mined Property	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
99	Overlays - Mining Tenements	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Mining Tenements	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
100	Overlays Mined Property	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Mined Property	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
101	Overlays - Natural Areas	MAP File	FCRC	2009	GDA 94	Hervey Bay	Ecology	Natural Areas	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
102	Overlays - Obstacle Limit Surface	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Obstacle Limit Surface	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
103	Overlays - Odour Control	MAP File	FCRC	2009	GDA 94	Hervey Bay	Land Use	Odour Control	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
104	Overlays - Potential ASS	MAP File	FCRC	2009	GDA 94	Hervey Bay	Catchment Processes	PASS	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
105	Overlays - Resource Transport	MAP File	FCRC	2007	GDA 94	Hervey Bay	Infrastructure	Resource Transport	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
106	Overlays - Road Hierarchy	MAP File	FCRC	2007	GDA 94	Hervey Bay	Infrastructure	Road Hierarchy	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
107	Overlays - State Roads	MAP File	FCRC	2007	GDA 94	Hervey Bay	Infrastructure	State Roads	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
108	Overlays - Structure Planning	MAP File	FCRC	2009	GDA 94	Hervey Bay	Infrastructure	Structure Planning	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
109	Overlays - Wetlands	MAP File	FCRC	2009	GDA 94	Hervey Bay	Ecology	Wetlands	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\HBCC		
110	Overlays - Agricultural Land	MAP File	FCRC	2009	GDA 94	Maryborough	Land Use	Agricultural Land	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
111	Overlays - Marborough City Boundary	MAP File	FCRC	2009	GDA 94	Maryborough	Land Use	MCC Boundary	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
112	Overlays - Bushfire	MAP File	FCRC	2009	GDA 94	Maryborough	Land Use	Bushfire	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
113	Overlays - Strat Map	MAP File	FCRC	2008	GDA 94	Maryborough	Land Use	Strat Map	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
114	Overlays - Contaminated Land	MAP File	FCRC	2009	GDA 94	Maryborough	Catchment Processes	Contaminated Land	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
115	Overlays - Cultural Heritage	MAP File	FCRC	2009	GDA 94	Maryborough	Cultural Heritage	Cultural Heritage	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
116	Overlays - Ecological Values	MAP File	FCRC	2009	GDA 94	Maryborough	Ecology	Ecological Values	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
117	Overlays - Remnant Vegetation	MAP File	FCRC	2009	GDA 94	Maryborough	Ecology	Remnant Vegetation	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
118	Overlays - Flood Overlay	MAP File	FCRC	2009	GDA 94	Maryborough	Catchment Processes	Flood Overlay	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
119	Overlays - Heritage	MAP File	FCRC	2009	GDA 94	Maryborough	Cultural Heritage	Heritage	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
120	Overlays - Land Use	MAP File	FCRC	2009	GDA 94	Maryborough	Land Use	Land Uses	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
121	Overlays - Tidal Approvals	MAP File	FCRC	2009	GDA 94	Maryborough	Planning	Tidal Approvals	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
122	Overlays - Tidal Areas	MAP File	FCRC	2009	GDA 94	Maryborough	Planning	Tidal Areas	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\MCC		
123	Overlays - Acid Sulfate Soils	MAP File	FCRC	2009	GDA 94	Tiaro	Catchment Processes	ASS	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\TSC		
124	Overlays - Agricultural Land	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	Agricultural Land	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\TSC		
125	Overlays - Biodiversity Planning	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	Biodiversity Planning	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\TSC		
126	Overlays - Bushfire Risk	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	Bushfire	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\TSC		
127	Overlays - Extractive Resources	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	Extractive Resources	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\TSC		
128	Overlays - Conservation Park	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	Conservation Park	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\TSC		
129	Overlays - Forest Reserves	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	Forest Reserves	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\TSC		
130	Overlays - Major Watercourses	MAP File	FCRC	2009	GDA 94	Tiaro	Catchment Processes	Watercourses	\\LJ8910\DATA\Council\Cadastrre\Town Planning\Overlays\TSC		

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131	Overlays - Mining Leases	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	Mining Leases	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\TSC		
132	Overlays - Park Forest	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	Park Forest	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\TSC		
133	Overlays - Remnant Vegetation	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	Remnant Vegetation	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\TSC		
134	Overlays - Tiaro Shire	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	Tiaro Shire	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\TSC		
135	Overlays - Town Mask	MAP File	FCRC	2009	GDA 94	Tiaro	Land Use	Town Mask	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\TSC		
136	Overlays - Wetlands	MAP File	FCRC	2009	GDA 94	Tiaro	Ecology	Wetlands	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\TSC		
137	Overlays - Woomoo	MAP File	FCRC	2003	GDA 94	Woomoo	Land Use	Woomoo	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\WSC		
138	Overlays - Fire Risk	MAP File	FCRC	2009	GDA 94	Woomoo	Land Use	Fire Risk	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\WSC		
139	Overlays - Park Forest	MAP File	FCRC	2009	GDA 94	Woomoo	Land Use	Park Forest	\\LJ8910\DATA\Council\Cadastre\Town Planning\Overlays\WSC		
140	Public Parks	MAP File	FCRC	2010	GDA 94	FCRC	Recreation	Public Parks	\\LJ8910\DATA\Council\Community		
141	Cultural Heritage	MAP File	FCRC	2005	GDA 94	Unknown	Cultural Heritage		\\LJ8910\DATA\Council\Community\Cultural_Heritage		
142	Boonooon Storm Tide Contours	MAP File	FCRC	2009	GDA 94	Boonooon	Coastal Processes	Storm Tide	\\LJ8910\DATA\Council\Emergency		
143	Evacuation Zone - Brown	MAP File	FCRC	2009	GDA 94	HBCC	Coastal Processes	Evacuation Zone	\\LJ8910\DATA\Council\Emergency		
144	Evacuation Zone - Green	MAP File	FCRC	2009	GDA 94	HBCC	Coastal Processes	Evacuation Zone	\\LJ8910\DATA\Council\Emergency		
145	Evacuation Zone - Grey	MAP File	FCRC	2009	GDA 94	HBCC	Coastal Processes	Evacuation Zone	\\LJ8910\DATA\Council\Emergency		
146	Evacuation Zone - Orange	MAP File	FCRC	2009	GDA 94	HBCC	Coastal Processes	Evacuation Zone	\\LJ8910\DATA\Council\Emergency		
147	Evacuation Zone - Pink	MAP File	FCRC	2009	GDA 94	HBCC	Coastal Processes	Evacuation Zone	\\LJ8910\DATA\Council\Emergency		
148	Evacuation Zone - Purple	MAP File	FCRC	2009	GDA 94	HBCC	Coastal Processes	Evacuation Zone	\\LJ8910\DATA\Council\Emergency		
149	Maroom Storm Tide Contours	MAP File	FCRC	2009	GDA 94	Maroom	Coastal Processes	Storm Tide	\\LJ8910\DATA\Council\Emergency		
150	Inundation - Bunya System	MAP File	FCRC	2007	GDA 94	HBCC	Coastal Processes	Storm Tide	\\LJ8910\DATA\Council\Emergency\HB Inundation		
151	Inundation - Eli Creek	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\HB Inundation		
152	Inundation - Hammond Street	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\HB Inundation		
153	Inundation Boundaries	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\HB Inundation		
154	Point Vernon Model 1A	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\HB Inundation		
155	Point Vernon Model 1B	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\HB Inundation		
156	Point Vernon Model 1C	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\HB Inundation		
157	Point Vernon Model 1D	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\HB Inundation		
158	Point Vernon Model 1E	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\HB Inundation		
159	Flood Props	MAP File	FCRC	2009	GDA 94	Maryborough	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\MB Flood		
160	Flood Line	MAP File	FCRC	2008	GDA 94	Maryborough	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\MB Flood		
161	Flood Poly	MAP File	FCRC	2008	GDA 94	Maryborough	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\MB Flood		
162	Creek Names	MAP File	FCRC	2005	GDA 94	Woomoo	Catchment Processes	Creek Names	\\LJ8910\DATA\Council\Emergency\Woomoo\Floodline		
163	Drainage	MAP File	FCRC	2005	GDA 94	Woomoo	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\Woomoo\Floodline		
164	Flood Line	MAP File	FCRC	2005	GDA 94	Woomoo	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\Woomoo\Floodline		
165	Inundation Area	MAP File	FCRC	2005	GDA 94	Woomoo	Catchment Processes	Inundation	\\LJ8910\DATA\Council\Emergency\Woomoo\Floodline		
166	World Heritage Area_1999	MAP File	FCRC	2006	GDA 94		Ecology	World Heritage Area	\\LJ8910\DATA\Council\Environment\World_Heritage_Area_1_1		
167	Coastal Management Control District	MAP File	FCRC	2007	GDA 94	FCRC	Planning	CMCD	\\LJ8910\DATA\Council\Environment		
168	Dog Waste Bags	MAP File	FCRC	2002	GDA 94	FCRC	Recreation	Dog	\\LJ8910\DATA\Council\Environment		
169	Dog Permitted Areas	MAP File	FCRC	2009	GDA 94	FCRC	Recreation	Dog	\\LJ8910\DATA\Council\Environment		
170	Dugong Protection Areas	MAP File	FCRC	2007	GDA 94	FCRC	Ecology	Dugong	\\LJ8910\DATA\Council\Environment		
171	Erosion Prone Areas	MAP File	FCRC	2005	GDA 94	FCRC	Coastal Processes	Erosion	\\LJ8910\DATA\Council\Environment		

GIS Ref. No.	Layer Name	Attributes	Source	Data Created	Datum	Spatial Coverage	Main Keyword	Secondary Keyword	File Location	Data Licence Agreement Received:	Date of Expiry:
172	Wetlands 2009	MAP File	FCRC	2010	GDA 94	FCRC	Ecology	Wetlands	\\LJ.8910\DATA\Council\Environment		
173	Fish Habitat Areas	MAP File	FCRC	2005	GDA 94	FCRC	Ecology	Fish Habitat	\\LJ.8910\DATA\Council\Environment		
174	Great Sandy Strait	MAP File	FCRC	2004	GDA 94	FCRC	Ecology	Marine Park	\\LJ.8910\DATA\Council\Environment		
175	Hervey Bay Marine Park	MAP File	FCRC	2004	GDA 94	FCRC	Ecology	Marine Park	\\LJ.8910\DATA\Council\Environment		
176	High Value Regrowth Vegetation	MAP File	FCRC	2010	GDA 94	FCRC	Ecology	vegetation	\\LJ.8910\DATA\Council\Environment		
177	Actual ASS	MAP File	FCRC	2007	GDA 94	FCRC	Catchment Processes	AASS	\\LJ.8910\DATA\Council\Environment		
178	Potential ASS	MAP File	FCRC	2007	GDA 94	FCRC	Catchment Processes	PASS	\\LJ.8910\DATA\Council\Environment		
179	QLD EPA no dogs	MAP File	FCRC	2003	GDA 94	FCRC	Recreation	Dogs	\\LJ.8910\DATA\Council\Environment		
180	QLD Fish Habitat Areas	MAP File	FCRC	2007	GDA 94	FCRC	Ecology	Fish Habitat	\\LJ.8910\DATA\Council\Environment		
181	Ramsar	MAP File	FCRC	2008	GDA 94	FCRC	Ecology	Ramsar	\\LJ.8910\DATA\Council\Environment		
182	Ramsar site	MAP File	FCRC	2004	GDA 94	FCRC	Ecology	Ramsar	\\LJ.8910\DATA\Council\Environment		
183	Regional Ecosystems V6	MAP File	FCRC	2010	GDA 94	FCRC	Ecology	RE s	\\LJ.8910\DATA\Council\Environment		
184	Seagrass meadows	MAP File	FCRC	2007	GDA 94	FCRC	Ecology	Seagrass	\\LJ.8910\DATA\Council\Environment		
185	waterways	MAP File	FCRC	2010	GDA 94	FCRC	Catchment Processes	Waterways	\\LJ.8910\DATA\Council\Environment		
186	Infrastructure - Buildings	MAP File	FCRC	2005	GDA 94	FCRC	Infrastructure	Buildings	\\LJ.8910\DATA\Council\Infrastructure\Buildings		
187	Infrastructure - Beach Access	MAP File	FCRC	2003	GDA 94	FCRC	Infrastructure	Access	\\LJ.8910\DATA\Council\Infrastructure\Coastal		
188	Infrastructure - Coastal Boat Ramp	MAP File	FCRC	2004	GDA 94	FCRC	Infrastructure	Ramp	\\LJ.8910\DATA\Council\Infrastructure\Coastal		
189	Infrastructure - Coastal Groyne	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Groyne	\\LJ.8910\DATA\Council\Infrastructure\Coastal		
190	Infrastructure - Coastal Jetty	MAP File	FCRC	2005	GDA 94	FCRC	Infrastructure	Jetty	\\LJ.8910\DATA\Council\Infrastructure\Coastal		
191	Infrastructure - Coastal Steps	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Steps	\\LJ.8910\DATA\Council\Infrastructure\Coastal		
192	Infrastructure - Coastal Wall	MAP File	FCRC	2005	GDA 94	FCRC	Infrastructure	Wall	\\LJ.8910\DATA\Council\Infrastructure\Coastal		
193	Infrastructure - FCRC Boat Ramps	MAP File	FCRC	2009	GDA 94	FCRC	Infrastructure	Ramp	\\LJ.8910\DATA\Council\Infrastructure\Coastal		
194	Infrastructure - Gas Mains	MAP File	FCRC	2005	GDA 94	FCRC	Infrastructure	Gas	\\LJ.8910\DATA\Council\Infrastructure\Gas		
195	Infrastructure - Park BBQ	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	BBQ	\\LJ.8910\DATA\Council\Infrastructure\Parks		
196	Infrastructure - Park Bin	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Bin	\\LJ.8910\DATA\Council\Infrastructure\Parks		
197	Infrastructure - Park Court	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Court	\\LJ.8910\DATA\Council\Infrastructure\Parks		
198	Infrastructure - Park Irrigation Line	MAP File	FCRC	2008	GDA 94	FCRC	Infrastructure	Irrigation	\\LJ.8910\DATA\Council\Infrastructure\Parks		
199	Infrastructure - Park Irrigation Sprinkler	MAP File	FCRC	2008	GDA 94	FCRC	Infrastructure	Irrigation	\\LJ.8910\DATA\Council\Infrastructure\Parks		
200	Infrastructure - Park Playground	MAP File	FCRC	2008	GDA 94	FCRC	Infrastructure	Playground	\\LJ.8910\DATA\Council\Infrastructure\Parks		
201	Infrastructure - Park Parks	MAP File	FCRC	2003	GDA 94	FCRC	Infrastructure	Parks	\\LJ.8910\DATA\Council\Infrastructure\Parks		
202	Infrastructure - Park Seat	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Seat	\\LJ.8910\DATA\Council\Infrastructure\Parks		
203	Infrastructure - Park Shower	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Shower	\\LJ.8910\DATA\Council\Infrastructure\Parks		
204	Infrastructure - Park Swing	MAP File	FCRC	2003	GDA 94	FCRC	Infrastructure	Swing	\\LJ.8910\DATA\Council\Infrastructure\Parks		
205	Infrastructure - Park Table	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Table	\\LJ.8910\DATA\Council\Infrastructure\Parks		
206	Infrastructure - Park Tap	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Tap	\\LJ.8910\DATA\Council\Infrastructure\Parks		
207	Infrastructure - Park Toilets	MAP File	FCRC	2005	GDA 94	FCRC	Infrastructure	Toilets	\\LJ.8910\DATA\Council\Infrastructure\Parks		
208	Infrastructure - Playground	MAP File	FCRC	2009	GDA 94	FCRC	Infrastructure	Playground	\\LJ.8910\DATA\Council\Infrastructure\Parks		
209	Infrastructure - Playground Equipment	MAP File	FCRC	2008	GDA 94	FCRC	Infrastructure	Equipment	\\LJ.8910\DATA\Council\Infrastructure\Parks		
210	Infrastructure - Railway	MAP File	FCRC	2008	GDA 94	FCRC	Infrastructure	Railway	\\LJ.8910\DATA\Council\Infrastructure\Railway		
211	Infrastructure - Mobility Corridor	MAP File	FCRC	2007	GDA 94	FCRC	Infrastructure	Corridor	\\LJ.8910\DATA\Council\Infrastructure\Roads		
212	Infrastructure - Bike Pedestrian Paths	MAP File	FCRC	2005	GDA 94	FCRC	Infrastructure	Bike	\\LJ.8910\DATA\Council\Infrastructure\Roads		
213	Infrastructure - Bike Routes	MAP File	FCRC	2004	GDA 94	FCRC	Infrastructure	Bike	\\LJ.8910\DATA\Council\Infrastructure\Roads		
214	Infrastructure - Road Hierarchy	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Road Hierarchy	\\LJ.8910\DATA\Council\Infrastructure\Roads		
215	Infrastructure - Road Line	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Road Line	\\LJ.8910\DATA\Council\Infrastructure\Roads		
216	Infrastructure - Footpath	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Footpath	\\LJ.8910\DATA\Council\Infrastructure\Roads		
217	Infrastructure - Road Kerb	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Kerb	\\LJ.8910\DATA\Council\Infrastructure\Roads		
218	Infrastructure - Road Signs	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Signs	\\LJ.8910\DATA\Council\Infrastructure\Roads		
219	Infrastructure - Catchment	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Catchment	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
220	Infrastructure - Drainage Creek	MAP File	FCRC	2004	GDA 94	FCRC	Infrastructure	Creek	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
221	Infrastructure - Drainage Inlet Pits	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Pits	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
222	Infrastructure - Drainage Inlet Outlets	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Outlets	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
223	Infrastructure - Drainage Pipes	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Pipes	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
224	Infrastructure - Drainage SOD	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	SOD	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
225	Infrastructure - Open Channel	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Channel	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
226	Infrastructure - Pipe Beach Outlets	MAP File	FCRC	2006	GDA 94	FCRC	Infrastructure	Outlets	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
227	Infrastructure - Subcatchments	MAP File	FCRC	2002	GDA 94	FCRC	Infrastructure	Subcatchments	\\LJ.8910\DATA\Council\Infrastructure\Stormwater		
228	Infrastructure - Sewer Effluent Main	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Sewer	\\LJ.8910\DATA\Council\Infrastructure\Waste Water		
229	Infrastructure - Sewer Effluent Manhole	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Sewer	\\LJ.8910\DATA\Council\Infrastructure\Waste Water		
230	Infrastructure - Sewer Effluent Pump Station	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Sewer	\\LJ.8910\DATA\Council\Infrastructure\Waste Water		
231	Infrastructure - Sewer Effluent Valves	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Sewer	\\LJ.8910\DATA\Council\Infrastructure\Waste Water		
232	Infrastructure - Sewer Gravity Mains	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Sewer	\\LJ.8910\DATA\Council\Infrastructure\Waste Water		

GIS Ref. No.	Layer Name	Attributes	Source	Data Created	Datum	Spatial Coverage	Main Keyword	Secondary Keyword	File Location	Data Licence Agreement Received:	Date of Expiry:
233	Infrastructure - Sewer House Connections	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Sewer	\\LJ8910\DATA\Council\Infrastructure\Waste Water		
234	Infrastructure - Sewer Lagoon	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Sewer	\\LJ8910\DATA\Council\Infrastructure\Waste Water		
235	Infrastructure - Sewer Manholes	MAP File	FCRC	2009	GDA 94	FCRC	Infrastructure	Sewer	\\LJ8910\DATA\Council\Infrastructure\Waste Water		
236	Infrastructure - Water Conduits	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Water	\\LJ8910\DATA\Council\Infrastructure\Water		
237	Infrastructure - Water Connections	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Water	\\LJ8910\DATA\Council\Infrastructure\Water		
238	Infrastructure - Water Districts	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Water	\\LJ8910\DATA\Council\Infrastructure\Water		
239	Infrastructure - Water Flow Meter	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Water	\\LJ8910\DATA\Council\Infrastructure\Water		
240	Infrastructure - Water Hydrants	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Water	\\LJ8910\DATA\Council\Infrastructure\Water		
241	Infrastructure - Water Mains	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Water	\\LJ8910\DATA\Council\Infrastructure\Water		
242	Infrastructure - Water Meter	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Water	\\LJ8910\DATA\Council\Infrastructure\Water		
243	Infrastructure - Water Pits	MAP File	FCRC	2010	GDA 94	FCRC	Infrastructure	Water	\\LJ8910\DATA\Council\Infrastructure\Water		
244	Topography - Index Contours	MAP File	FCRC	2008	GDA 94	Maryborough	Catchment Processes	Topography	\\LJ8910\DATA\Council\Topography\Contours\WB Contours		
245	Topography - 1m Contours	MAP File	FCRC	2008	GDA 94	Maryborough	Catchment Processes	Topography	\\LJ8910\DATA\Council\Topography\Contours\WB Contours		
246	Topography - 5m Contours	MAP File	FCRC	2009	GDA 94	FCRC	Catchment Processes	Topography	\\LJ8910\DATA\Council\Topography\Contours		
247	Topography - Interval 50cm	MAP File	FCRC	2007	GDA 94	HBCC	Catchment Processes	Topography	\\LJ8910\DATA\Council\Topography\Contours		
248	Orthophotos - Maryborough	MAP File	FCRC	2003	GDA 94	Maryborough	Land Use	Orthophotos	\\LJ8910\DATA\Council\Topography\Orthophotos		
249	Orthophotos - Rural	MAP File	FCRC	2004	GDA 94		Land Use	Orthophotos	\\LJ8910\DATA\Council\Topography\Orthophotos		
250	Orthophotos - Urban	MAP File	FCRC	2008	GDA 94		Land Use	Orthophotos	\\LJ8910\DATA\Council\Topography\Orthophotos		
251	Topography - Coastline	MAP File	FCRC	2009	GDA 94	FCRC	Coastal Processes	Coastline	\\LJ8910\DATA\Council\Topography		
252	Topography - Ocean	MAP File	FCRC	1998	GDA 94		Coastal Processes	Ocean	\\LJ8910\DATA\Council\Topography		
253	Topography - Watercourses	MAP File	FCRC	2002	GDA 94		Catchment Processes	Watercourses	\\LJ8910\DATA\Council\Topography		
254	Aldershot_Q2_010_d_Max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q2		
255	Aldershot_Q2_010_h_contour_poly	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q2		
256	Aldershot_Q2_010_h_max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q2		
257	Aldershot_Q2_010_h_max_contour	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q2		
258	Aldershot_Q2_010_v_max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q2		
259	Aldershot_Q10_010_d_Max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q10		
260	Aldershot_Q10_010_h_contour_poly	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q10		
261	Aldershot_Q10_010_h_max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q10		
262	Aldershot_Q10_010_h_max_contour	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q10		
263	Aldershot_Q10_010_v_max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q10		
264	Aldershot_Q20_010_d_Max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q20		
265	Aldershot_Q20_010_h_contour_poly	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q20		
266	Aldershot_Q20_010_h_max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q20		
267	Aldershot_Q20_010_h_max_contour	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q20		
268	Aldershot_Q20_010_v_max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q20		
269	Aldershot_Q50_010_d_Max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q50		
270	Aldershot_Q50_010_h_contour_poly	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q50		
271	Aldershot_Q50_010_h_max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q50		
272	Aldershot_Q50_010_h_max_contour	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q50		
273	Aldershot_Q50_010_v_max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q50		
274	Aldershot_Q100_010_d_Max	MapInfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	\\J:\CML\8910-FraserCoast\MapInfo\Aldershot drainage study\MapInfo files\Digital Data\Local_Ext\Q100		





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314	Aldershot_Q50_018_d_Max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q50		
315	Aldershot_Q50_018_h_contour_poly	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q50		
316	Aldershot_Q50_018_h_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q50		
317	Aldershot_Q50_018_h_max_contour	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q50		
318	Aldershot_Q50_018_v_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q50		
319	Aldershot_Q100_018_d_Max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q100		
320	Aldershot_Q100_018_h_contour_poly	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q100		
321	Aldershot_Q100_018_h_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q100		
322	Aldershot_Q100_018_h_max_contour	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q100		
323	Aldershot_Q100_018_v_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Ext\Q100		
324	Aldershot_Q10_019_d_Max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q10		
325	Aldershot_Q10_019_h_contour_poly	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q10		
326	Aldershot_Q10_019_h_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q10		
327	Aldershot_Q10_019_h_max_contour	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q10		
328	Aldershot_Q20_019_v_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q20		
329	Aldershot_Q20_019_d_Max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q20		
330	Aldershot_Q20_019_h_contour_poly	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q20		
331	Aldershot_Q20_019_h_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q20		
332	Aldershot_Q20_019_h_max_contour	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q20		
333	Aldershot_Q20_019_v_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q20		
334	Aldershot_Q50_019_d_Max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q50		
335	Aldershot_Q50_019_h_contour_poly	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q50		
336	Aldershot_Q50_019_h_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q50		
337	Aldershot_Q50_019_h_max_contour	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q50		
338	Aldershot_Q50_019_v_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q50		
339	Aldershot_Q100_019_d_Max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q100		
340	Aldershot_Q100_019_h_contour_poly	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q100		
341	Aldershot_Q100_019_h_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q100		
342	Aldershot_Q100_019_h_max_contour	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q100		
343	Aldershot_Q100_019_v_max	Mapinfo Table	FCRC	2009		Aldershot	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Aldershot drainage study Mapinfo files\Digital Data\Reg_Mit\Q100		
344	Digital Cadastre Database	Mapinfo Tab File	FCRC	1983		FCRC	Land Use	Cadastre	J:\CML\8910-FraserCoast\Mapinfo\DCDB Mapinfo Files		
345	Floodedprops	Mapinfo Table	FCRC	2009		Maryborough	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Maryborough Mapping Files		
346	Floodline	Mapinfo Table	FCRC	2008		Maryborough	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Maryborough Mapping Files		
347	Floodpoly	Mapinfo Table	FCRC	2008		Maryborough	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Maryborough Mapping Files		
348	SW_Overland_Flow	Mapinfo Table	FCRC	2010		Maryborough	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Maryborough Mapping Files		
349	MrbFloodedProps	Mapinfo Workspace	FCRC	2009		Maryborough	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Maryborough Mapping Files		
350	SW_OVF_Maryborough	Mapinfo Workspace	FCRC	2010		Maryborough	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\Mapinfo\Maryborough Mapping Files		
351	Creek Names	Mapinfo Table	FCRC	2005		Woocoo	Catchment Processes	Creeks	J:\CML\8910-FraserCoast\Mapinfo\Woocoo\Floodline		
352	Drainage	Mapinfo Table	FCRC	2005		Woocoo	Catchment Processes	Drainage	J:\CML\8910-FraserCoast\Mapinfo\Woocoo\Floodline		

GIS Ref. No.	Layer Name	Attributes	Source	Data Created	Datum	Spatial Coverage	Main Keyword	Secondary Keyword	File Location	Data Licence Agreement Received:	Date of Expiry:
353	Flood Line	MapInfo Table	FCRC	2010		Woocoo	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\Woocoo\Floodline		
354	Inundation Area	MapInfo Table	FCRC	2005		Woocoo	Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\Woocoo\Floodline		
355	0	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
356	1	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
357	2	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
358	3	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
359	4	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
360	5	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
361	6	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
362	7	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
363	8	MapInfo Table	FCRC	2007			Catchment Processes	Flooding	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
364	Boonooroo Storm Tide Contours	MapInfo Table	FCRC	2009		Boonooroo	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
365	burrum	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
366	Burrum0	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
367	Burrum1	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
368	Burrum2	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
369	Burrum3	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
370	Burrum4	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
371	Burrum5	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
372	Burrum6	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
373	Burrum7	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
373	Burrum Heads Storm Tide Levels	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
374	East Burrum	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
375	East Burrum 1	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
376	East Burrum 2	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
377	East Burrum 3	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
378	East Burrum 4	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
379	East Burrum 5	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
380	East Burrum 6	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
381	East Burrum 7	MapInfo Table	FCRC	2007		Burrum	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
382	Evacuation Zone Brown	MapInfo Table	FCRC	2009		Maryborough	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
383	Evacuation Zone Green	MapInfo Table	FCRC	2009		Maryborough	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
384	Evacuation Zone Grey	MapInfo Table	FCRC	2009		Maryborough	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
385	Evacuation Zone Orange	MapInfo Table	FCRC	2009		Maryborough	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
386	Evacuation Zone Pink	MapInfo Table	FCRC	2009		Maryborough	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
387	Evacuation Zone Purple	MapInfo Table	FCRC	2009		Maryborough	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
388	Hervey Bay Storm Tide Levels	MapInfo Table	FCRC	2007		Hervey Bay	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
389	Hervey Contours	MapInfo Table	FCRC	2007		Hervey Bay	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		
390	Hervey Bay	MapInfo Table	FCRC	2007		Hervey Bay	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007-Jan		

GIS Ref. No.	Layer Name	Attributes	Source	Data Created	Datum	Spatial Coverage	Main Keyword	Secondary Keyword	File Location	Data Licence Agreement Received:	Date of Expiry:
391	Maroom Storm Tide Contours	MapInfo Table	FCRC	2009		Maroom	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
392	Poona Storm Tide Contours	MapInfo Table	FCRC	2009		Poona	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
393	River Heads Storm Tide	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
394	River Head 0	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
395	River Head 1	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
396	River Head 2	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
397	River Head 3	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
398	River Head 4	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
399	River Head 5	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
400	River Head 6	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
401	River Head 7	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
402	Rivers Head	MapInfo Table	FCRC	2007		River Heads	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		
403	Storm Tide Surge Levels	MapInfo Table	FCRC	2009		Maryborough	Coastal Processes	Storm Tide	J:\CML\8910-FraserCoast\MapInfo\StormSurge_2007 Jan		

**Appendix C**

# **Register of Publications**

Ref. No.	Author(s)	Year	Title	Publisher	Pages	Primary Keyword	Secondary Keyword	Reference Type
1	BOM	2010	Monthly climate statistics - DOUBLE ISLAND POINT LIGHTHOUSE			Catchment Processes	Climate and Climate Change	Data
2	BOM	2010	Monthly climate statistics - MARYBOROUGH			Catchment Processes	Climate and Climate Change	Data
3	BOM	2010	Monthly climate statistics - RAINBOW BEACH			Catchment Processes	Climate and Climate Change	Data
4	BOM	2010	Monthly climate statistics - SANDY CAPE LIGHTHOUSE			Catchment Processes	Climate and Climate Change	Data
5	BOM	2010	Monthly climate statistics - TOOLARA FORESTRY			Catchment Processes	Climate and Climate Change	Data
6	EPA	2007	Burrum, Gregory, Isis, Cherwell and Elliott Rivers Environmental Values and Water Quality Objectives	Queensland Government	36	Catchment Processes	Water Quality	Legislation
7	DERM		Fraser Island EVs and WQOs			Catchment Processes	Water Quality	Legislation
8	DERM		Great Sandy Strait EVs and WQOs			Catchment Processes	Water Quality	Legislation
9	DERM		Great Sandy Strait Coastal Creeks EVs and WQOs			Catchment Processes	Water Quality	Legislation
10	DERM		Hervey Bay EVs and WQOs			Catchment Processes	Water Quality	Legislation
11	DERM		Mary River EVs and WQOs			Catchment Processes	Water Quality	Legislation
12	BPA	1984d	Erosion Prone Area Tiaro Shire SC-4004	Queensland Government	1	Coastal Processes	Erosion Prone Areas	Map
13	BPA	1996	Erosion Prone Area Wococo Shire SC-4069	Queensland Government	1	Coastal Processes	Erosion Prone Areas	Map
14	DEWHA	2010b	EPBC Act Protected Matters Report: Fraser Coast Regional, QLD	Australian Government Department of Climate Change	16	Ecology	Climate Change	Report
15	DCC	2009	Climate Change Risks to Australia's Coast	Australian Government Department of Earth and Ocean Science Group, Earth Sciences, University of Newcastle	168	Coastal Processes	Climate Change	Report
16	Boyd, R., Goodwin, I., Rumting, K., and Davies, S.	2004	River of Sand - A geological perspective on the evolution of Fraser Island and surrounding seabed		4	Coastal Processes	Coastal	Report
17	DEWHA	undated	The East Marine Bioregional Plan Bioregional Profile. A description of the ecosystems, conservation values, and uses of the East Marine Region	Australian Government	254	Ecology	Aquatic	Report
18	C & R Consulting	2007	As Far as the Eye Can See: Indigenous Interests in the East Marine Planning Region	Prepared for the Department of Environment and Water Resources	46	Cultural Heritage	Aboriginal	Report
19	DEWHA	2007a	Characterisation of the Marine Environment of the East Marine Region	Australian Government	16	Ecology		Discussion Paper
20	Brewer, D.T., Flynn, A., Skewes, T.D., Corfield, J., Pearson, B., Aloba, J., and Young, J.W.	2007	Ecosystems of the East Marine Region	CSIRO Marine Research	152	Ecology	Aquatic	Report
21	Keene, J., Baker, C., Tran, M., and Potter, A.	2008	Sedimentology and Geomorphology of the East Marine Region of Australia	Geoscience Australia, Australian Government Environmental Science and Services	283	Coastal Processes	Geomorphology	Report
22	Pitts, D.	2004	Burnett Mary Region Natural Resource Management Plan - Coastal and Marine Development Technical Paper		71	Human Usage	Coastal	Technical Paper
23	Queensland Government	2009	Bundaberg-Fraser Coast Tourism Opportunity Plan		70	Human Usage	Tourism	Report
24	Helman, P., and Tomlinson, R.	undated	Coastal Vulnerability Principles for Climate Change		8	Coastal Processes	Climate Change	Discussion Paper
26	Queensland Government		Burnett Basin new Draft Water Resource Plan - Information Report					Resource Plan
27	Queensland Government	2006c	Marine Parks (Great Sandy) Zoning Plan 2006		92	Legislation		Legislation
28	HBCC	2007	Hervey Bay Foreshore Management Plan	Hervey Bay City Council	64	Human Usage	Recreation	Report
29	WBM	2004	Hervey Bay City Council Coastal Protection Strategy			Coastal Processes	Erosion Prone Areas	Report
30	BPA	1989	Hervey Bay Beaches Report	Queensland Government	323	Coastal Processes		Report
31	Cardno Lawson Treloar	2005b	Hervey Bay City Council - Storm Tide Evacuation Planning	J7777/R4	9	Coastal Processes	Evacuation	Report
32	Lawson and Treloar	2002	Hervey Bay Storm Tide Study	J7777	87	Coastal Processes	Storm Surge	Report
33	Rowland, M.	2008	Saving the Past from the Future	Historic Environment Vol 21(1)	19-29	Cultural Heritage	Indigenous	Journal Article
34	Rowland, M.J., and Ulm, S.	in press	Key Issues in the Conservation of the Australian Coastal Archeological Record: natural and human impacts	Journal of Coastal Conservation		Cultural Heritage	Indigenous	Journal Article
35	AEC Group	2009	Economic Profile 2009		68	Human Usage	Economics	Report
36	OESR	2010	Queensland Regional Profiles - Fraser Coast Regional Council	Queensland Government	31	Human Usage	Demographics	Report
37	DNRW	2007a	Fraser Wild River Declaration 2007	Queensland Government	20	Legislation		Legislation
38	DNRW	2007b	Wild Rivers Code	Queensland Government	85	Legislation		Code
39	Queensland Government		Wide Bay Burnett Regional Council 2007-2026: The principal regional strategy for guiding growth and sustainability in the Wide Bay Burnett region					Regional Plan

Ref. No.	Author(s)	Year	Title	Publisher	Pages	Primary Keyword	Secondary Keyword	Reference Type
40	McKenzie, L.J. and Campbell, S.J.	2002	Information Sheets Q.0301/6 - Seagrass Resources of the Booral Wetlands and the Great Sandy Strait: February/March 2002	Queensland Government - Department of Primary Industries and Fisheries	38	Ecology	Aquatic	Information Sheets
41	DERM	2009	Queensland's Coastal Plan 2009 (DRAFT)	Queensland Government				Plan
42	Queensland's Wetland Programme		Wetland Management Profiles	Queensland Government				Information Sheets
43	Queensland Government - Environmental Protection (Water) Policy 2009	2009	Environmental Protection (Water) Policy 2009 Schedule 1 Environmental Values and Water Quality Objectives	Queensland Government				Papers
44	DEWHA	2010a	Directory of Important Wetlands in Australia Information Sheet: Great Sandy Strait QLD132	Australian Government	10	Ecology		Information Sheets
45	EDAW	1996	A View of the Coast: An Overview of the Scenic Resources of the Queensland Coast	Queensland Government				Book
46	Department of Natural Resources and Water		Vegetation Management	Queensland Government				Various Policy
47	EPA	2008	Environmental Offsets Policy	Queensland Government	28	Legislation		
48	DPI	2002	Mitigation and Compensation for Works or Activities Causing Marine Fish Habitat Loss	Queensland Government	31	Legislation		Operational Policy
49	DEWR	2007	Draft Policy Statement: Use of Environmental Offsets under the EPBC Act	Australian Government	6	Legislation		Policy
50	Ecoaccess	2006a	Assessable Development under the Coastal Act	Queensland Government	12	Legislation		Guideline
51	Ecoaccess	2006b	Mitigating the adverse impact of storm tide inundation	Queensland Government	46	Legislation		Guideline
52	EPA	2005	Coastal erosion and the assessment of erosion prone area widths	Queensland Government Department of Environment and Resource	11	Coastal Processes	Erosion Prone Areas	Guideline
53	Burnett/Mary Regional Group		Great Sandy Biosphere					Information Sheets
54	BPA	1984a	Hervey Bay City Erosion Prone Areas Fraser Island SC-3373-E	Queensland Government	1	Coastal Processes	Erosion Prone Areas	Map
55	DERM	2010a	Proposed Extension to Fraser Island World Heritage Area	Queensland Government	1	Ecology		Map
56	DERM	2010b	Great Sandy Marine Park - Zones	Queensland Government	1	Legislation		Map
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65	BMRG	undated	Draft Burnett-Baffle Water Quality Improvement Plan	Burnett Mary Regional Group	60	Catchment Processes	Water Quality	Report
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69	Gamble McKinnon Landscape Architects and Urban Designers	2004	Maaroom Foreshore Master Plan			Human Usage	Landscape Character and Visual Amenity	Report
70	FRC Environmental	2008	Beach Nourishment at Hervey Bay - Monitoring of sediment settlement rates			Coastal Processes		Report
71	BGA	2001	Stormwater Outlets options report - for rehabilitation of Scarness Rock Retention Structure and adjoining structures		14	Catchment Processes	Catchment Hydrology and Flooding	Report (TOC only)
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83	Cardno Lawson Treloar	2006	Torquay and Urangan Beach Erosion Control Strategy Investigation of potential coastal process issues		36	Coastal Processes	Catchment Hydrology and Flooding	Report
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87	Berry, A., and Waterman, P.	2009	Climate Change: Implications and Liability from Sea-Level Rise and Storm Surge on the Burnett Mary Regional Coastline	Working Paper 001/09, Climate Change Coasts and Catchments, School of Science and Education, University of the Sunshine Coast	42	Catchment Processes	Climate and Climate Change	Report
88	Laves, G., and Waterman, P.	2009	Plantation and Farm Forestry in the Burnett Mary Region: Responding to Land Use Challenges	Working Paper 004/09, Climate Change Coasts and Catchments, School of Science and Education, University of the Sunshine Coast	26	Catchment Processes	Climate and Climate Change	Report
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92	DEFRA	2006	Shoreline Management Plan Guidance Volume 1: Aims and Requirements	UK Government	54	Regulatory and Planning Context	Coastal	Report
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94	DERM	2002	State Coastal Management Plan—Queensland's Coastal Policy	Queensland Government		Regulatory and Planning Context		Report
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98	Class Workshops - Advanced Landscape Design 2		Workshop 1 - Natural Environment (1)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
99	Class Workshops - Advanced Landscape Design 2		Workshop 1 - Natural Environment (2a)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
100	Class Workshops - Advanced Landscape Design 2		Workshop 1 - Natural Environment (2b)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
101	Class Workshops - Advanced Landscape Design 2		Workshop 1 - Symbiosis (1)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
102	Class Workshops - Advanced Landscape Design 2		Workshop 1 - Symbiosis (2)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
103	Class Workshops - Advanced Landscape Design 2		Workshop 1 - Symbiosis (3)			Catchment Processes	Landscape Character and Visual Amenity	Presentation



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105	Class Workshops - Advanced Landscape Design 2		Workshop 2 - Hamover Principles (1a-1c)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
106	Class Workshops - Advanced Landscape Design 2		Workshop 2 - Hamover Principles (2a-2b)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
107	Class Workshops - Advanced Landscape Design 2		Workshop 2 - Hamover Principles (3)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
108	Class Workshops - Advanced Landscape Design 2		Workshop 2 - Hamover Principles (4)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
109	Class Workshops - Advanced Landscape Design 2		Workshop 2 - Hamover Principles (5)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
110	Class Workshops - Advanced Landscape Design 2		Workshop 2 - Hamover Principles (6)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
111	Class Workshops - Advanced Landscape Design 2		Workshop 2 - Hamover Principles (7)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
112	Class Workshops - Advanced Landscape Design 2		Workshop 2 - Hamover Principles (8)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
113	Class Workshops - Advanced Landscape Design 2		Workshop 3 - Community Values and Future Expectations (3.1-3.8)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
114	Class Workshops - Advanced Landscape Design 2		Cultural Values Rationale and Methodology			Catchment Processes	Landscape Character and Visual Amenity	Presentation
115	Class Workshops - Advanced Landscape Design 2		Cultural Values (Handley/Petrie)			Catchment Processes	Landscape Character and Visual Amenity	Presentation
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117	Worley Parsons	2008a	Hervey Bay City Council - Flood Reduction Study Overall Study Consolidation Report - Appendix A: Sample Project Brief for Flood Reduction Studies		40	Catchment Processes	Catchment Hydrology and Flooding	Report
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121	Worley Parsons	2008e	Hervey Bay City Council - Flood Reduction Study Overall Study Consolidation Report - Appendix E - Dougan Street Catchment Flood Risk Reduction Study		97	Catchment Processes	Catchment Hydrology and Flooding	Report
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123	Cardno	2008a	Hervey Bay City Council - Flood Reduction Study Overall Study Consolidation Report - Appendix H - Lowlands Lagoon Catchment Flood Risk Reduction Study		168	Catchment Processes	Catchment Hydrology and Flooding	Report
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125	Cardno	2008c	Hervey Bay City Council - Flood Reduction Study Overall Study Consolidation Report - Appendix J - Urangan Coastal Strip Flood Risk Reduction Study		123	Catchment Processes	Catchment Hydrology and Flooding	Report
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130	JWP	2006c	Hervey Bay City Council - Flood Reduction Study Overall Study Consolidation Report - Appendix O – Bunya Creek Catchment Flood Risk Reduction Study		109	Catchment Processes	Catchment Hydrology and Flooding	Report
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134	GHD	2008	Maryborough City Council - Report for Mary River Diversion Channel Assessment		199	Catchment Processes	Catchment Hydrology and Flooding	Report
135	Contour Consulting Engineers	2008	Flood Risk Assessment Study for Tiaro Shire Council - Volume 1 Report		87	Catchment Processes	Catchment Hydrology and Flooding	Report
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139	Queensland Government Gazette	1972	Fraser Coast Bathing Reserves Gazette Date 11 November 1972			Catchment Processes	Land Use and Land Tenure	Gazette
140	NTT	2009	Australian National Tide Tables 2009	Australian Hydrographic Service	423	Coastal Processes	Tides	Book
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164	Davies, S.J.	1996	A Preliminary Cultural Heritage Impact Assessment of the Area Affected by the Proposed Raising of Water Levels at Lenthal's Dam, Southeastern Queensland	A-HERVE/0178		Cultural Heritage	Aboriginal	Report
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166	Wallin, A.	1995	An Archaeological Assessment of a Potential Site for a Navigation Beacon, Fraser Island	A-HERVE/0179		Cultural Heritage	Aboriginal	Report
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174	Halte, E.	2003	Report on an Initial Cultural Heritage Investigation of the Proposed Site of an Aged Care Facility on Lot 312RP203575, Urangan, City of Hervey Bay, South Eastern Queensland	A-HERVE/0460		Cultural Heritage	Aboriginal	Report
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177	McNiven, I.J.	2002	Fraser Island Archaeological Project: Background, Aims and Preliminary Results of Excavations at Waddy Point 1 Rockshelter	A-HERVE/0463		Cultural Heritage	Aboriginal	Report
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182	Feel, E.D.	2006	Cultural Heritage Survey Report for Hervey Bay City Council: Fibre Optic Cable, Hervey Bay to Maryborough	A-HERVE/0466		Cultural Heritage	Aboriginal	Report
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193	Halte, E.	1999	An Assessment of the Cultural Heritage Values of the Proposed Route of a Gas Pipeline, Bundaberg to Maryborough, Southeastern Queensland	A-QLD/0458		Cultural Heritage	Aboriginal	Report
194	ABARE	1993	Use of Economic Instruments in Integrated Coastal Zone Management	Australian Government	228	Human Usage	Economics	Report
195	EDAW	2001	Hervey Bay City Council Recreation and Open Space Strategy Action Plan			Human Usage	Recreation	Report
196	TRA	2010	Regional Tourism Profiles 2008/09 Queensland Hervey Bay/Maryborough Region	Australian Government Tourism Research Australia	4	Human Usage	Economics / Tourism	Fact Sheet
197	TRA	2008a	Tourism Profiles for Local Government Areas in Australia Queensland City of Hervey Bay	Australian Government Tourism Research Australia	6	Human Usage	Economics / Tourism	Fact Sheet
198	TRA	2008b	Tourism Profiles for Local Government Areas in Australia Queensland City of Maryborough	Australian Government Tourism Research Australia	3	Human Usage	Economics / Tourism	Fact Sheet
199	Lawson and Treloar	1985	Storm Tide Statistics Hervey Bay Region		16	Coastal Processes	Storm Tide	Report
200	Brown and Root	2000	Urangan Boat Harbour Long Term Strategy for Dredged Material Draft Impact Assessment Study			Coastal Processes		Report
201	EPA	2008	Climate Change in Queensland: What the science is telling us.	Office of Climate Change	36	Catchment Processes	Climate Change	Report
202	DERM	2010	Burnett Basin Resource Operations Plan	Amended April 2010	286	Catchment Processes		Report

**Appendix D**

**Stage 1 Consultation  
Summary**



Prepared for Fraser Coast Regional Council

January 2011

## Stakeholder Consultation Report Stage 1 (Gap Analysis)



## Fraser Coast Shoreline Erosion Management Plan



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## EXECUTIVE SUMMARY

Consultation during the first (Gap Analysis) stage of the Shoreline Erosion Management Plan (SEMP) has concentrated on identifying the values that people place on the shoreline. People have also been asked to describe their views on the effectiveness or otherwise of existing erosion defences and ideas for ongoing erosion management. They were invited to contribute historical information regarding the coastline.

This report summarises feedback received and material contributed. To date, residents proximate to the shoreline are the main contributors.

Many residents have been generous with their time and efforts in providing input to the project. The values they place on the shoreline have been clearly articulated. A number have had a keen interest in erosion for long periods of time. A common thread is a desire to now see erosion protection action rather than more studies. The generally held view is frustration at ongoing erosion over a number of years while a series of studies have been carried out.

Consultation activities have informed the Gap Analysis and identified specific aspects for further investigation.

Engagement with residents shows that they understand the importance of the SEM. P.

Most responses exhibit a sense of urgency about implementing erosion management actions to safeguard their property.

The second significant issue raised is the preservation of beach amenity for the lifestyle people chose by moving to the Fraser Coast region.

A number of residents expressed gratitude for the briefing provided and indicated interest in receiving project updates and/or ongoing participation in the SEM. P.

Stakeholders responded favourably to the opportunity to be engaged and provided constructive information in relation to historical erosion effects, possible future impacts and proposed solutions.

At their request, further information has been provided to a number of residents.

CPR Group has engaged with about 200 people, including residents, members of the Project Team, Client Steering Group (CSG), Extended Steering Group (ESG), the Mayor and Councillors. Questionnaires and correspondence have been distributed to a further 350 people.

Around 400 items of correspondence have been received.

60 people to date have completed formal questionnaires accompanied by hundreds of photos, maps and pictorial items including CDs of information.

Research identified over 80 relevant historical newspaper articles, two petitions to Council regarding erosion at Toogoom from a total of over 400 people, a petition from more than 400 about erosion at Burrum Heads and a petition from over 200 people regarding erosion on Urangan South Beach.

In summary, this Stakeholder Consultation Report demonstrates extensive community interest in planning for shoreline erosion management.

Issues raised by community members have been reported to the Project Team.

## BACKGROUND

Fraser Coast Regional Council (FCRC) has undertaken to prepare a Shoreline Erosion Management Plan (SEMP) for the Fraser Coast Local Government Area (LGA). The Study Area is along 112km of shoreline from Burrum Heads in the north to Tinnanbar in the south and includes the shoreline within 100m landward of the mean high water mark.

The SEMP process is in three stages:

Stage 1 - Gap Analysis Study

Stage 2 - Management Options and Recommendations Study

Stage 3 - Shoreline Erosion Management Plan

This Stakeholder Consultation Report has been prepared for Fraser Coast Regional Council, as part of the Shoreline Erosion Management Plan project. It reports upon consultation conducted during the Gap Analysis stage of the project.

The Gap Analysis is being implemented by Cardno Lawson Treloar Pty Ltd. CPR Group has been engaged by Fraser Coast Regional Council to plan for and implement a community consultation program, advertising the intent of the project, encouraging participation and gathering feedback.

CPR Group will continue to engage with Fraser Coast Region stakeholders during Stages 2 and 3 of the study.

## 1.0 INTRODUCTION

Council is taking a strategic approach to coastal erosion management in a sustainable and transparent manner over the long term. The SEMP project covers technical, social, environmental, economic, legislative and administrative requirements and incorporates formal stakeholder engagement and management.

The SEMP and previous related studies are intended to provide an insight into waves, tides, ocean currents and other factors that have caused coastal recession and other impacts upon particular sections of the shoreline.

Council based the project methodology on the UK Department for Environment, Food and Rural Affairs (DEFRA) Shoreline Management Plan (SMP) guidance documents of 2006, in conjunction with Queensland's Department of Environment and Resource Management (DERM) guidelines.

The DEFRA documents provide guidance as to the elements of a stakeholder engagement strategy. The DERM guideline on preparation of a SEMP suggests consulting the local community, gathering information to assist in estimating economic and social values of coastal localities, obtaining feedback on options and seeking State Agency advice as to legislative compliance. Both sets of guidelines have defined the consultation process for this project.

Stakeholder engagement regarding the shoreline has focussed on identifying community usage, values, erosion risk, views on coastline management and historical information. Stakeholder feedback has covered parts of the study area, which comprises the shoreline identified approximately as (from north to south):

- Burrum Heads
- Toogoom
- Dundowran
- Pt Vernon
- Torquay
- Urangan
- Booral
- River Heads
- Maaroom
- Boonooroo
- Tuan
- Poona
- Tinnanbar

## **2.0 PROGRAM OBJECTIVES**

See Stakeholder Consultation Plan (Attachment 1).

NOTE: Changes to the Plan as a result of feedback from the CSG have not been made, as no authorisation has been received regarding amendments.

## **3.0 METHODOLOGY**

See Stakeholder Consultation Plan (Attachment 1).

### **3.1 Stakeholder identification**

See Stakeholder Consultation Plan (Attachment 1).

#### **3.1.1 Community of Interest**

The community of interest in this project is self-selected, as they are respondents to an information campaign which incorporated methods for opting in. This is true of both the formal stakeholder committees and the wider community.

Stakeholders include those who live, work or participate in recreation in the study area.

#### **3.1.2 Decision-makers**

Decision-makers representing the three tiers of government are identified stakeholders to the SEMP project.

CPR Group spoke with Councillors who opted in to an invitation to a briefing on the Stakeholder Consultation Program and with those who attended a formal briefing session. We requested and were given their advice as to stakeholders with whom they recommended we engage.

### **3.2 Briefing Materials**

#### **3.2.1 Briefing Notes**

Briefing Notes were developed from research into local historical erosion issues and were used for reference during stakeholder engagement.

#### **3.2.2 Questionnaire**

Qualitative data provided by stakeholders can be a useful input to the study in terms of understanding existing issues and identifying preferred options. The success of an engagement program relies upon accurate interpretation of stakeholder feedback to the project team. Wide distribution of the Questionnaire allows stakeholders to provide input about the project in a consistent format.

### 3.2.3 Contact Mechanisms

A public notice advertising the SEMP project and inviting input was published twice in the Fraser Coast Chronicle.

Three articles have appeared in the quarterly Fraser Coast Living newsletter which is sent to all residents in the region. The most recent was in November 2010.

Information about the SEMP, including an interactive Questionnaire, appears on Council's Website.

A FreeCall phone number, 1800 100 204, has been widely advertised.

A dedicated email address, [SEMP@cprgroup.com.au](mailto:SEMP@cprgroup.com.au), has been widely advertised.

### 3.2.4 Bookmarks

Bookmarks are given to all stakeholders at the conclusion of meetings. They are a durable reminder about the SEMP and include the CPR Group FreeCall phone number and email address.

## 3.3 SEMP Database

All stakeholder engagements are recorded in a consultation database.

## 3.4 Stakeholder Engagement

The Client Steering Group (CSG) is a management group which oversees the project and includes state agency representatives and technical experts, as listed in Table 3 of the Stakeholder Consultation Plan. The CSG provides a two-way forum for exchange of information and ideas.

The Extended Steering Group (ESG) is a liaison group which includes the CSG members, community representatives, a wider group of state agency representatives and special interest groups as listed in Table 4 of the Stakeholder Consultation Plan. The ESG encourages information sharing between Council, its technical specialists and the SEMP stakeholders. It facilitates ongoing dialogue and is the forum within which Council's objectives are communicated, relevant reports or documents are presented and community issues are aired.

The CSG and ESG centralise correspondence on aspects raised by residents or authorities, ensure that the appropriate people are made aware of those issues, tracks the process of resolution and provides a forum for feedback.

These groups were convened and meet regularly throughout the SEMP process.

Representatives of government, Council and community organisations have been invited to sit on reference groups. Introductory telephone calls were made to key stakeholders including Qld Souths Native Title Representative Body.

An Additional Stakeholder Group (ASG) includes a broader range of contacts, as shown in Table 5 of the Stakeholder Consultation Plan. Meetings were offered to groups who expressed an interest in providing input.

During meetings with stakeholders, CPR Group personnel referred to materials and provided briefings that:

- Delivered facts and key messages to stakeholders
- Communicated Council's willingness to engage with the community
- Educated stakeholders about initiatives to date and the process to be followed
- Demonstrated why it is environmentally, economically and socially important for Council to conduct a SEMP

Stakeholders were invited to provide their feedback through completion of a questionnaire and submission of relevant historical information.

The Bookmark was distributed to stakeholders at the conclusion of meetings.

Feedback was recorded in a database and reports were provided to the project team.



## **4.0 OUTCOMES FROM RESEARCH AND ENGAGEMENT**

### **4.1 RESEARCH**

Results of CPR Group research into Council records and historical media, by beach location, is incorporated in these outcomes.

Previous surveys and reports, including the Coastal Protection Strategy 2004 and the Foreshore Management Plan 2007, were analysed to identify the outcomes of prior consultation. This research demonstrated extensive prior consultation, leading to the development of proposed erosion management measures, many of which have not eventuated. This may be part of the cause of the frustration we observed in the community.

### **4.2 ENGAGEMENT**

Consultation demonstrated that residents understand the importance of the SEMP. A number requested and were provided with further information.

Most responses exhibited a sense of urgency about implementing erosion management actions. A generally expressed view is frustration at ongoing erosion over a number of years while a series of studies have been carried out.

A number of residents expressed gratitude for the briefing provided and indicated interest in receiving project updates and/or ongoing participation in the SEMP.

Stakeholders responded favourably to the opportunity to be engaged and provided constructive information in relation to historical erosion effects, possible future impacts and proposed solutions.

CPR Group attended a meeting of the Burrum Heads Progress Association to provide a briefing and obtain feedback.

A database of around 800 people was constructed, representing residents living along the Fraser Coast foreshore, and around 400 items of correspondence have been received.

CPR Group has engaged, often on multiple occasions, with about 200 people. Of those, 60 completed the questionnaire and a number have provided hundreds of photos and schematics illustrating long term erosion.

In addition to the interactive questionnaire on Council's website, 350 printed copies were posted to Progress Associations, community groups, a neighbourhood centre and individuals. Those submitted, by location were:

Burrum Heads	17
Urangan	14
Poona	12
Tuan	6
Toogoom	5
Dundowran	3
Pt Vernon	2
Torquay	1
Boonooroo, Booral, Maaroom, River Heads, Tinnanbar	0
<b>TOTAL</b>	<b>60</b>

Correspondence with individuals generally centred on the same issues as those raised in the questionnaires.

All responses exhibit a sense of urgency about implementing erosion management actions.

The following is a summary of key responses provided to the questionnaire along with other submissions and the research findings, by beach location.

## 4.2.1 Burrum Heads

### Questionnaires

17 submitted. Responses confirmed comments made by people in discussions, which is that the shoreline is an integral part of life for many Burrum Heads residents and visitors.

Most respondents visit the beach almost daily.

People value the clean sandy beach for recreational pursuits – walking, family gatherings, swimming, dog off-leash area, canoeing and fishing. The natural environmental attributes of the beach are highly regarded.

The protracted erosion of sand is of concern to residents for two key reasons. Primarily, they are worried about the long term risk to their property. Secondly, they are worried about the short term loss of lifestyle attributes.

The dumped rock retaining wall and constructed concrete block retaining wall are seen as both an asset and a threat - they limit incursion into the dunes but strip the beach of white sand. The walls are regarded as being in need of regular maintenance.

The boat ramp is considered to cause sand stripping immediately adjacent to the upstream side.

The main issues are seen as:

- Lack of erosion control measures over recent years
- Need for an erosion management plan, allocating Council/State Government responsibilities and defined activities
- Beach protection action instead of ongoing studies
- Sand pushes have worked in the past
- Erosion affects lifestyle, fishing, safety, tourism and the economy

Future coastline management objectives:

- Safety of people and property
- Protection of developed areas
- Buffer zone management
- Sand replenishment where feasible
- Minimise environmental impact

Existing defences:

- About half the respondents do not recognise any existing defences
- Rock wall is not secure
- The beach is being depleted due to lack of constructive defences

Suggested changes:

- Create protective buffer zone only along developed areas
- Options including sand pushes and groynes
- Remove dead trees, restore sand, denser coastal planting

### **Burrum Heads – Petitions**

A Burrum Heads Progress Association petition was sent to Council in June 2009 from more than 400 signatories, urging Council to save threatened trees, the foreshore and the park.

### **Burrum Heads – Photos and other historical information**

A significant amount of information was provided.

## 4.2.2 Urangan

### Questionnaires

14 submitted. Many respondents visit the beach almost daily.

People value the wildlife, vegetation and views. Recreational activities include walking, walking the dog, swimming, fishing and bird watching.

A common concern is tidal flooding and encroachment into dunes placing property at risk. Sea water has reached streets via storm water drains. Historical building approvals are seen as an issue. There are suggestions that Council should consider sea level rise and erosion risk to properties when approving foreshore developments.

The rock wall near the pier is acknowledged as having been effective in protecting the esplanade and properties. One resident has built his own retaining walls to stop erosion.

The main issues are seen as:

- Need for a retaining wall rather than vegetation to prevent further erosion
- Where vegetation is used on dunes, use native varieties
- Have well defined and limited beach access tracks to minimise erosion
- If sand replenishment is used, it needs to be regular since it is a short term solution

Future coastline management objectives:

- The Esplanade is 18 km long. It should be protected by an aesthetically pleasing solid barrier
- Maintain and vegetate the dunes for aesthetics, wildlife and birds
- Mixture of natural and public use foreshore
- Allow natural processes and only intervene where continuous dune loss occurs

Existing defences:

- Rock walls seem to be working well, comparing the north (walled) and south sections of the Urangan foreshore
- Rock wall and concrete steps north of the pier have stopped erosion but not encouraged sand build up
- Dumping of sand is only a short term fix

Suggested changes:

- Apply coastal defences at Urangan south beach to preserve dunes, foreshore and trees and protect residential property
- Install fencing on dunes to define pathways
- Use expenditure on long term solutions, not short term sand replenishment

**Urangan – Petitions**

A petition containing more than 200 signatures was lodged with Council in March 2010, seeking construction of a permanent rock wall to protect the dunes, vegetation and wildlife.

**Urangan – Media**

Articles refer to the need to maintain the rock wall, beach nourishment as part of Council's regular works program and the tourism value of the iconic pier.

**Urangan – Correspondence**

There has been regular correspondence relating to the need for a rock wall.

**Urangan – Photos and other historical information**

Extensive information relating to rock walls has been provided.

### 4.2.3 Poona

#### Questionnaires

12 submitted. Many residents live on or near the beachfront and interact closely and regularly with the foreshore.

People value the natural environment, the outlook and venue for recreational activities including walking, swimming, fishing and bird watching. One respondent has a business and says it would suffer and collapse if it were not for the peace and quiet.

Loss of vegetation, including illegal mangrove removal resulting in erosion, is a concern. There are mixed views on short term erosion risk but broad concern at the longer term loss of sand and ultimate risk to private property on the foreshore.

The main issues are seen as:

- Need for a DERM/Council restoration and maintenance plan to replace ad hoc private sandbag barriers
- Controlling wash by reducing boat speeds
- Need for a vegetation and beach access management plan

Future coastline management objectives:

- Protect shoreline vegetation
- Designated walkways
- Balance between nature, development and human usage
- Maintain but not upgrade boat ramp, so more users are not encouraged
- Retard erosion and replenish sand

Existing defences:

- No erosion management at Poona apart from sandbagging by locals
- Housing development may cause a storm water problem

Suggested changes:

- Council to protect and replace shoreline vegetation
- Address the erosion caused by storm water pipes on shoreline
- Restrict vehicle access
- Retain natural environment but replace sand as well

#### 4.2.4 Tuan

##### Questionnaires

6 submitted. Respondents visit the beach occasionally and in two cases regularly, for recreation. They value the natural environment and wildlife.

Residents fear the risk of inundation from the sea. Over 20 years, erosion has caused loss of a path, trees and mangroves.

The main issues are seen as:

- Need to protect mangroves as an erosion reduction mechanism
- Exclude jet skis and maintain speed restrictions to protect people and wildlife
- Keep vehicles off the esplanade
- Erect a retaining wall to prevent further foreshore encroachment

Future coastline management objectives:

- Prevent further shoreline erosion, maintaining natural beach slope and environment
- A plan that is carried out

Existing defences:

- Rocks used to reduce erosion may have made it worse, with loss of fill behind rocks
- One family has owned property at Urangan since 1940. The permanent rock wall has depleted the beach

Suggested changes:

- Replace the dumped rock wall with a constructed wall
- Revegetation; particularly mangroves
- Groynes in addition to breakwaters to stop sand loss



## 4.2.5 Toogoom

### Questionnaires

4 submitted. Two of the respondents interact daily with the foreshore.

The residents value the unspoilt environment, birds, wildlife and all-tidal access.

The common theme from Toogoom residents is the risk to their property due to severe and rapid erosion.

The main issues are seen as:

- The lack of any erosion management at Toogoom
- Illegal vegetation clearing
- Need to repair revetment structures
- Need for beach nourishment and halting erosion

Future coastline management objectives:

- Property protection and safety
- Foreshore vegetation protection and management for future generations
- An action plan with finance to implement

Existing defences:

- Implementation and enforcement of erosion management plans
- Community education
- The involvement of government agencies is overly complex
- One resident is in favour of the rock wall and the parks at nearby Burrum Heads

Suggested changes:

- A single entity for coastal management
- Possibly build a sea wall from Bilby Creek estuary to preserve boating channel

### Toogoom – Petitions

A petition from around 200 Fraser Waters Estate and Toogoom ratepayers to Council in February 2009 asked Council to enforce covenants, review planning permissions and halt erosion that is causing a hazard due to fallen trees.

A petition to Council in March 2009, again with around 200 signatories, sought assistance to address the erosion of the reserve, sand dunes and foreshore to preserve flora and fauna. It suggested that two large sand pushes had created more problems.

### Toogoom – Media

Toogoom has been the centre of debate over the foreshore for some time. A series of media articles over the past six years relate to a \$1.1M sea wall at Toogoom, sand bags, sand pushes, residents interfering with foreshore vegetation and a prohibition against residents building structures on public land.

### **Toogoom – Correspondence**

Some land owners are in regular contact with Council and CPR Group about progress of the SEMP.

### **Toogoom – Photos and other historical information**

Photos showing progressive coastline recession and fallen trees have been provided.

#### 4.2.6 Dundowran

##### Questionnaires

3 submitted. The respondents visit the beach a few times per month.

Residents value the local beach, compared with more populated coastal areas in Hervey Bay.

The risk identified is foreshore erosion rather than risk to property. One resident advocates education about natural processes.

The main issues are seen as:

- Foreshore protection
- Erosion due to storm water runoff
- Predicted sea level rise
- Damage done by dogs
- Need to preserve birdlife habitat
- Objection to Environmental Levy being used to fund this issue

Future coastline management objectives:

- Protect foreshore and provide facilities for the public
- Work with Council and other organisations to provide environmental education
- Remove management from Council and place under DERM

Existing defences:

- Housing development has been allowed too close to the shoreline; change this through education about land owner safety
- Regard the shoreline as community land rather than landowners' backyards
- No rock walls as they are ineffective

Suggested changes:

- Council to hold community open days explaining what it is doing and Council newsletter to all households prior to the cyclone season
- A study to determine erosion and inundation impacts due to global warming. Some inundation is desirable for plants and wildlife

##### Dundowran – Media

Strong winds and high tides eroded the beach where trees had already fallen. It was claimed that the EPA said the sand will return naturally.

#### 4.2.7 Pt Vernon

##### Questionnaires

2 submitted. The respondents walk occasionally on the beach and pathway.

The residents value the natural vegetation and its screening effect, cultural interpretation and pathways.

No risks are identified.

The main issues are seen as:

- Maintaining natural values, with no more car parks or commercial development
- Support for the caravan parks for cheaper accommodation

Future coastline management objectives:

- Preservation of natural values for future generations
- Legislative protection of Hervey Bay foreshore against commercial development

Existing defences:

- Focus on infrastructure protection rather than natural area protection
- No mechanism or plan for withdrawal from the coastline due to changing sea levels and natural processes
- The rock walls provide insufficient defence against erosion

Suggested changes:

- Strategic plan for withdrawal of built infrastructure

## 4.2.8 Torquay

### Questionnaires

1 submitted. The respondent walks on the beach about 10 times per month and values the social and natural environment.

The broad risk to the range of Hervey Bay beaches is identified.

The main issues are seen as:

- The need for sand pushes and a rock wall

Future coastline management objectives:

- State government to allow Council to manage the foreshore

Existing defences:

- Erosion has occurred at a range of Hervey Bay beaches

Suggested changes:

- DERM to cooperate with Council on the foreshore, which is the main asset for locals and tourism

### Torquay – Media

Torquay beach features in a number of articles, with an emphasis on sand replenishment.

#### 4.2.9 Boonooroo

No questionnaires were submitted.

#### 4.2.10 Booral

No questionnaires were submitted.

#### 4.2.11 Maaroom

No questionnaires were submitted.

#### 4.2.12 River Heads

No questionnaires were submitted.

#### 4.2.13 Tinnanbar

No questionnaires were submitted.

#### 4.2.14 Specific issues raised for consideration

Some residents suggest that ongoing erosion will adversely affect their property values.

While some residents advocate rock walls, others want gradually sloped beaches and prefer to allow natural processes to occur as far as possible.

Whereas most trees fall into the ocean after sand is eroded and cannot generally be removed because they become part of the marine environment, one resident had a tree fall into his property and asked that Council remove it.

One resident suggests that foreshore erosion has now caused the effluent disposal system to fail, requiring an expensive upgrade.

## 5.0 CONCLUSION

The CPR Group Stakeholder Consultation Plan facilitated communication with people who opted into the SEMP engagement, educated stakeholders about the SEMP and provided them with an opportunity to share their opinions and feedback with the Project Team.

This Report has been lodged with Council and summarises findings to the end of Stage 1 (Gap Analysis Study). Ongoing stakeholder engagement is occurring and will be further summarised at the end of Stage 2 (Management Options and Recommendations Study) and Stage 3 (Shoreline Erosion Management Plan).

## **6.0 APPENDICES**

Appendix 1: Stakeholder Consultation Plan





Fraser Coast Regional Council

January 2011

Stakeholder Consultation Plan  
Prepared by CPR Group



Fraser Coast  
Shoreline Erosion  
Management Plan



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## EXECUTIVE SUMMARY

This Stakeholder Consultation Plan (“the Plan”) has been prepared for Fraser Coast Regional Council (FCRC) as an integral component of the development of a Shoreline Erosion Management Plan (SEMP).

Endorsement by stakeholders and subsequent adoption of the SEMP by Council will necessarily involve sensitive management of a range of stakeholder and project delivery issues and interests. This Plan acknowledges stakeholder diversity and specifies appropriate consultation strategies and activities to develop and maintain constructive relationships for the life of the project. The stages of consultation activity are outlined in the SEMP Stakeholder Consultation Process Table 6 at Section 3.0.

CPR Group has been appointed by FCRC to facilitate the proposed consultation program as defined in this Plan.

The Plan identifies the project’s stakeholder categories. It proposes consultation and engagement activities for each Task within the project;

Task 1 - Gap Analysis

Task 2 - Erosion Management Options and Recommendations

Task 3 - SEMP Preparation

Council’s aim to achieve transparent and acceptable outcomes for the project is reflected in the Plan. In accordance with Council’s requirement to incorporate significant stakeholder engagement and management, the consultation methodology corresponds to the project’s likely level of perceived impact on stakeholders. Early in the project, the potential effects that stakeholders may either experience or perceive from aspects of erosion are identified. The Plan proposes appropriate consultation for those stakeholder categories likely to experience or perceive significant effects from implementation of the SEMP.

Broad stakeholder participation during the project will facilitate planning and implementation of triple-bottom-line initiatives to address the needs of residents and other stakeholders and achieve sustainable erosion management.

The Plan incorporates objectives, milestones and timeframes.

## 1.0 INTRODUCTION

The Fraser Coast Region has a significant length of shoreline, approximately 112 km, which is exposed to erosion by natural elements. The region is not unique in that sense. The UK Department for Environment, Food and Rural Affairs (DEFRA) produced Shoreline Management Plan (SMP) guidance documents in 2006, which presently provide a framework and methodology for the UK government to identify and prioritise all coastal protection works along the entire coastline of the UK.

The UK guidance documents benefit from the experience of three pilot SMPs and extensive input from stakeholder organisations and individuals. Therefore, the guidelines are well founded and as per the Fraser Coast Regional Council's directive, this Plan has been prepared in accordance with those documents, as moderated by Queensland's Department of Environment and Resource Management (DERM) guidelines. DERM was formerly known as the Environmental Protection Agency (EPA).

Stakeholder consultation in this Plan has been designed to identify social, environmental, economic, technical, legislative and administrative requirements, which will be balanced in the recommended coastal management solutions.

At a local government/state agency level, stakeholder engagement will focus on articulating a clearly agreed management approach to coastal protection and alignment with the capital works program, along with linkage to the Hervey Bay Foreshore Management Plan (2007) and planning scheme. The intent is to gain progressive acceptance and final endorsement of the Shoreline Erosion Management Plan (SEMP) by the state government agencies and adoption by Council.

Variations to the Stakeholder Consultation Plan may be required during the course of the project. These would be formally decided by the steering group that is responsible for overseeing the development of the SEMP. The Plan will be updated if changes occur.

### 1.1 Guiding Principles

Successful consultation programs implement consultation as a vehicle for achieving desired outcomes in a manner that responds to broader stakeholder issues and preferences.

This Stakeholder Consultation Plan has been formulated in line with the following guiding principles:

1. Consultation is a crucial element of a successful Shoreline Erosion Management Plan (SEMP)
2. Stakeholders to the project will be accepted and involved as legitimate decision-influencers and care will be taken to develop parameters around stakeholder expectations
3. Interaction with stakeholders will be a two-way process that facilitates ongoing dialogue, open communication and opportunities for issues, concerns and comments to be acknowledged and addressed
4. Consultation will continue throughout the SEMP development process
5. Consultation will comply with Council's '*Community Engagement Policy*', adopted 7 April 2010 (Attachment 1)
6. Consultation will meet Council's Project Objectives, as shown on the following page (Table 1)

**TABLE 1: Achieving Council's Project Objectives**

Project Objective	Consultation Plan Strategy
To develop a Shoreline Erosion Management Plan (SEMP), to promote and demonstrate a strategic planning approach in order to manage coastal erosion across the Fraser Coast region in a sustainable and transparent manner over the long-term	Consult in an open, inclusive and transparent program, a broad cross-section of stakeholders who use, and/or have links to the resources along the shoreline. Their feedback will be reported to the project team and will inform decisions on erosion management at a strategic level
To incorporate significant stakeholder engagement and management in order to successfully achieve transparent and acceptable outcomes for this project	<p>Identify and engage with stakeholders who represent the breadth and depth of issues regarding the shoreline.</p> <p>Manage the consultation process openly and clearly.</p> <p>Identify potential impacts which may be perceived by stakeholders. Negotiate acceptable outcomes at each stage of the project; prior to and following development of the draft SEMP.</p> <p>Focus on delivering workable solutions.</p>
To develop sound high-level policies that will enable priority implementation at key erosion sites and long term (100 years) management of risk from coastal erosion	Establish, through interactive consultation with a broad range of stakeholders, what they regard as key erosion issues. Collate the information, then negotiate priorities and resolve optimal long-term policies
To achieve, in addition to the technical requirements, endorsement of the SEMP by the Client Steering Group(CSG) and Council (the CSG is described in Section 2)	Engage with Councillors and the CSG, through the initial stages of design considerations. Provide ample opportunity for comment on potential impacts and design preferences. Manage expectations during development of the final SEMP
To develop the SEMP, following the UK Government's DEFRA guidance documents, DERM Guideline for Preparation of a SEMP and Council's ' <i>Community Engagement Policy</i> '	This Stakeholder Consultation Plan has been formulated in accordance with those documents.
To develop the SEMP with formal input from the community	Formal, approved processes and documents will be utilised
To provide a Costing and Priority Implementation Schedule for the FCRC and to demonstrate support for the Schedule from relevant Qld Govt State Agencies	Engage with State Agencies throughout the project, seek their input and design preferences, provide technical and strategic rationale, encourage their involvement in project direction decision-making and develop the SEMP with their endorsement

## 1.2 Key Messages

In addition to providing project detail and seeking formal stakeholder input, consultation activities will communicate the project's key messages.

The SEMP key messages:

1. Council and the Queensland State Government want this project to happen
2. The project solutions will be in accordance with Council's strategic planning objectives
3. The SEMP will benefit the community, the environment, businesses and Council
4. The Client Steering Group (CSG) and Project Team will consider and address formal stakeholder input throughout the project
5. The Client Steering Group (CSG) and Project Team will engage with stakeholders and provide feedback for the life of the project
6. The SEMP will deliver erosion management solutions that are balanced, realistic and sustainable

## 1.3 Acronyms and Abbreviations

ASG	Additional Stakeholders Group
CSG	Client Steering Group
DEEDI	Department of Employment Economic Development and Innovation
DERM	Department of Environment and Resource Management (was Environmental Protection Agency (EPA) and Department of Natural Resources and Water (DNRW))
DEWHA	Department of Environment Water Heritage and the Arts
EPA	Environmental Protection Agency
ESG	Extended Steering Group
FCRC	Fraser Coast Regional Council
QPIF	Queensland Primary Industries and Fisheries
QPWS	Queensland Parks and Wildlife Services
SEMP	Shoreline Erosion Management Plan

## 2.0 STAKEHOLDER ENGAGEMENT STRATEGIES

### 2.1 The Vision for Stakeholder Engagement

*Consensus through comprehensive and inclusive engagement, regarding the most cost effective erosion management solutions at all levels; community, environment, commerce, government, cultural and others, while meeting appropriate stakeholder aspirations that have been distilled from participative consultation and negotiation*

### 2.2 Stakeholders

A diverse stakeholder mix in the Fraser Coast Region will have an interest in the formulation of SEMP policies. Inclusive and varied consultation activities are necessary to ensure that potentially affected stakeholders have the opportunity to provide their input to the project. This will ensure that policy decisions are influenced by a broad range of people, the mix of whom could be considered “representative” of the wider community.

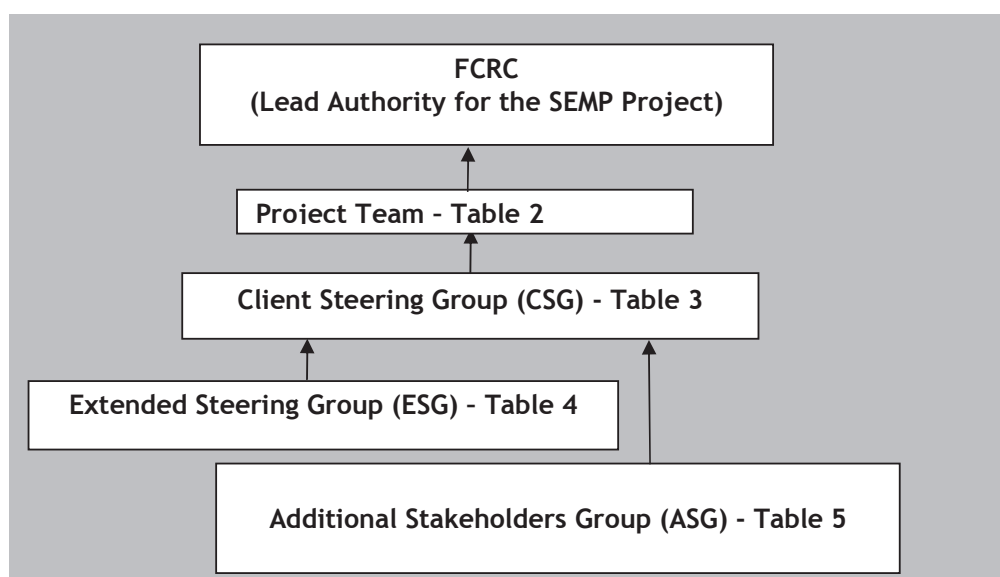
### 2.3 Stakeholder Identification

To achieve inclusive and effective consultation that leads to understanding and conceptualisation of a project, it is crucial to identify those stakeholders who may have a stake in, or be impacted by, the project.

This Plan identifies stakeholder categories that have a significant interest in this project; it is acknowledged that stakeholder categories may interrelate and overlap in complex ways. It is also acknowledged that within each category, organisations and individuals may have differing and/or competing perspectives, attitudes and values. Also, a range of ethnicities, socio-economic position and other demographics will be represented within the categories. Planning for and effectively implementing consultation activities that recognise diversity of opinion is therefore critical.

### 2.4 Groups Established to Facilitate Preparation of the SEMP

**FIGURE 1: SEMP ORGANISATION CHART**





**TABLE 2: PROJECT TEAM**

Responsibility	Membership
<p>Responsible for project tasks and coordination of the SEMP.</p> <p>Its role is to:</p> <ul style="list-style-type: none"> <li>▪ Provide deliverables to the Client Steering Group</li> </ul>	<p><b>FCRC</b></p> <ul style="list-style-type: none"> <li>▪ Senior staff (3)</li> </ul> <p><b>Cardno Lawson Treloar</b></p> <ul style="list-style-type: none"> <li>▪ Consultant</li> </ul> <p><b>CPR Group</b></p> <ul style="list-style-type: none"> <li>▪ Consultant</li> </ul>

**TABLE 3: CLIENT STEERING GROUP (CSG)**

Responsibility	Membership
<p>Responsible for decision-making and direction of the SEMP.</p> <p>Its role is to:</p> <ul style="list-style-type: none"> <li>▪ Confirm the scope and extent of the SEMP</li> <li>▪ Manage the direction and development of the SEMP through guidance, decision-making and review of the work undertaken</li> <li>▪ Oversee implementation of the SEMP, with regular meetings continuing after completion of the SEMP</li> </ul>	<p><b>FCRC</b></p> <ul style="list-style-type: none"> <li>▪ Senior staff (3)</li> </ul> <p><b>DERM</b></p> <ul style="list-style-type: none"> <li>▪ Representatives from former EPA (2)</li> <li>▪ Representative from QPWS</li> <li>▪ Representative from Natural Resources and Water (NRW)</li> </ul> <p><b>DEEDI</b></p> <ul style="list-style-type: none"> <li>▪ Representative from DPI&amp;F</li> </ul> <p><b>Cardno Lawson Treloar</b></p> <ul style="list-style-type: none"> <li>▪ Consultant (Chairperson)</li> </ul> <p><b>CPR Group</b></p> <ul style="list-style-type: none"> <li>▪ Consultant</li> </ul> <p><b>Independent representatives</b></p> <ul style="list-style-type: none"> <li>▪ Relevant key technical specialists (3)</li> </ul>

**TABLE 4: EXTENDED STEERING GROUP (ESG)**

Responsibility	Membership
<p>Responsible for consideration of wide ranging erosion-related issues and provision of input into development of the SEMP.</p> <p>Its role is to:</p> <ul style="list-style-type: none"> <li>▪ Act as a focal point for consultation/discussion of proposed concepts, options and recommendations</li> <li>▪ Relate values, expectations and issues through meetings/workshops, questionnaires, written correspondence and other forms of input</li> <li>▪ Disseminate relevant information</li> <li>▪ Review milestone documents</li> <li>▪ Provide major data-sets</li> </ul>	<p><b>CSG members plus -</b></p> <p><b>FCRC</b></p> <ul style="list-style-type: none"> <li>▪ Relevant portfolio Councillors (up to 4)</li> <li>▪ Departmental representatives (up to 9)</li> </ul> <p><b>DEWHA</b></p> <ul style="list-style-type: none"> <li>▪ Representative from Climate Change</li> <li>▪ Representative from Environment</li> </ul> <p><b>DERM</b></p> <ul style="list-style-type: none"> <li>▪ Representative from Office of Climate Change</li> <li>▪ Representative from Qld Trust for Nature</li> <li>▪ Representative from Biodiversity</li> </ul> <p><b>DEEDI</b></p> <ul style="list-style-type: none"> <li>▪ Representative from Regional Development</li> </ul> <p><b>Department of Infrastructure &amp; Planning</b></p> <p><b>Department of Transport &amp; Main Roads</b></p> <p><b>Maritime Safety Queensland</b></p> <p><b>Emergency Management Queensland</b></p> <p><b>Tourism Queensland</b></p> <p><b>Queensland Tourism Industry Council</b></p> <p><b>State Development</b></p> <p><b>Heritage</b></p> <p><b>Queensland Spatial Information Council</b></p> <p><b>Traditional Owners</b></p> <p><b>Community / Progress Associations</b></p> <p><b>Burnett Mary Regional Group (Coastal)</b></p> <p><b>Burnett Mary Regional Group (Biodiversity)</b></p> <p><b>Local Government Association of Qld</b></p> <p><b>Great Barrier Reef Marine Park Authority</b></p> <p><b>Wide Bay Regional Planning Advisory Committee</b></p> <p><b>Fraser Coast, South Burnett Regional Tourism Board Ltd</b></p> <p><b>University of Southern Queensland (Sustainability)</b></p> <p><b>Port of Maryborough</b></p> <p>* Membership from above organisations is dependent on confirmation by the organisation</p>

**TABLE 5: ADDITIONAL STAKEHOLDERS GROUP (ASG)**

Responsibility	Membership
<p>Responsible for broad community consultation.</p> <p>Its role is to:</p> <ul style="list-style-type: none"> <li>▪ Identify any local scale issues in addition to those identified through the CSG and ESG</li> <li>▪ Relate values, expectations and issues through meetings/workshops, questionnaires, written correspondence and other forms of input</li> <li>▪ Provision of minor data-sets</li> </ul>	<p><b>Community</b></p> <p><b>Urban Development Institute of Australia</b></p> <p><b>Hervey Bay Chamber of Commerce</b></p> <p><b>Wide Bay Water (Infrastructure)</b></p> <p><b>Water Quality Alliance</b></p> <p><b>Environmental Interest Groups</b></p> <p><b>Business / Commercial</b></p> <p><b>Esplanade Business / Commercial</b></p> <p><b>Historical Societies</b></p> <p><b>Volunteer Marine Rescue</b></p> <p><b>Australian Local Government Association</b></p> <p><b>Surf Life Saving Queensland</b></p> <p><b>Water Police</b></p> <p><b>Commercial fishing operators</b></p> <p><b>Recreational fishing groups</b></p> <p><b>Marine industry operators at Fisherman’s Wharf</b></p> <p><b>Marine industry operators at Sandy Straits Marina</b></p> <p><b>Hervey Bay Boat Club</b></p> <p><b>Urangan Fisheries</b></p> <p><b>Queensland Commercial Vessel Association</b></p> <p><b>Association of Marine Park Tourism Operators Ltd</b></p> <p><b>Member Federal Electorate Hinkler</b></p> <p><b>Member Federal Electorate Wide Bay</b></p> <p>* Membership from above organisations is dependent on confirmation by the organisation</p>

### 3.0 THE SEMP PREPARATION PROCESS

The stakeholder consultation process is illustrated below in Table 6. It describes in detail the approach to be used, categories of people to be consulted, how responses will be incorporated and how the transparency of the process will be demonstrated.

The engagement process will be interactive rather than informational. Facts, scenarios and environmental consequences will be conveyed to stakeholders. Their considered responses will be invited and incorporated in development of the final SEMP document.

A Stakeholder Consultation Report will demonstrate how the final SEMP policies relate to the consultation process.

A database will be used for tracking and reporting.

In line with the UK DEFRA guidelines, the consultation process will emphasise:

- Transparency and auditability, so people can understand the basis for a decision
- Clear explanations of the terminology
- What the SEMP will cover and the rights people have to influence it

A variety of communication methods and consultation processes will be employed and are specified in Table 6. These are subject to review and guidance by the Client Steering Group as the project develops.

**TABLE 6: STAKEHOLDER CONSULTATION PROCESS**

## Task 1 - Gap analysis

**Outcomes:**

- Identification of stakeholders
- Stakeholders aware that the SEMP is being prepared
- Stakeholders familiar with the aims and project objectives
- Sufficient relevant information obtained from stakeholders to confirm widespread engagement
- Stakeholder engagement strategy publicly available
- Identification of values that stakeholders place on the coast and its resources
- Identification of stakeholder awareness of coastal change and risk
- Information recorded in consultation database, for reporting purposes
- Incorporation of stakeholder consultation findings in Gap Analysis report

Stakeholder consultation	Stakeholders involved	Methods of involvement	Timing
Research / analysis of previous studies in relation to consultation	Council	Document review	Commence March 2010
Inspect coastline from perspective of stakeholder values and commence consultation	All stakeholders	Observation / Photos / Discussions in person and by phone	March 2010
Analyse media relating to erosion	Council	Read archived media and note issues and stakeholders	March 2010
Establish FreeCall 1800 number and SEMP email address for stakeholders to register interest with CPR Group	All stakeholders	Phone and email	March 2010
Invite Traditional Owners into consultation	Traditional Owners	Discussion by phone and email	April 2010
Invite people into consultation process by Public Notice advertisements (include FreeCall no. and SEMP email address)	All stakeholders	Advertisement in Fraser Coast Chronicle (Attachment 2)	3 and 10 April 2010

Stakeholder consultation	Stakeholders involved	Methods of involvement	Timing
Invite people into consultation process, by website (include FreeCall no. & SEMP email address)	All stakeholders	Council Website (Attachment 3)	April 2010
Consultation in response to newspaper and website advertising	All stakeholders	Discussions by phone and email	Commence 3 April 2010
Continue coastline inspection from perspective of stakeholder values	All stakeholders	Observation / Photos	13 April 2010
Initiate consultation with CSG	CSG members	CSG meeting	14 April 2010
Initiate consultation with ESG	ESG members	ESG meeting	14 April 2010
Consult Traditional Owners	Traditional Owners	Discussion by phone and email	April and May 2010
Consult Progress Associations (members of ESG)	Progress Association members	Attend meeting / Phone / Email / Questionnaire	Commence 21 April 2010
Consult Councillors	FCRC Councillors	Interview	Commence 21 April 2010
Confirm ESG membership and consult members	ESG members	Attend meeting / Phone / Email / Questionnaire	Commence May 2010
Broaden consultation	ASG members	Invitation by email and phone to participate in consultation process	Commence May 2010
Engage with all who have registered an interest with CPR Group through the FreeCall number, SEMP email address or otherwise	All stakeholders	Phone / Email / Meeting	Ongoing from April 2010
Update and collate findings from stakeholder engagement into database for consideration in Gap Analysis report	All stakeholders	Data collation	July 2010

Stakeholder consultation	Stakeholders involved	Methods of involvement	Timing
Meetings to consider Draft Gap Analysis report	CSG and ESG members	CSG meeting and ESG meeting	July 2010
Publish SEMP article in <i>Fraser Coast Living</i> newsletter	All stakeholders	Council newsletter	July 2010
Publish newspaper column "SEMP Update 1" to report on progress. Include FreeCall number and SEMP email address	All stakeholders	Advertisement in Fraser Coast Chronicle	July 2010
Publish "SEMP Update 1" on website to report on progress. Include FreeCall number and SEMP email address	All stakeholders	Council Website	July 2010
Stakeholder Consultation Report (Task 1)	CSG	Written report	July 2010 (Draft for Council approval)
Final Gap Analysis Report	Council	Council meeting	July 2010 (Draft for Council approval)

**TABLE 6: STAKEHOLDER CONSULTATION PROCESS (CONT)**

## Task 2 - Erosion Management Options and Recommendations

**Outcomes:**

- Values that stakeholders place on the Coast and its resources have been identified and considered
- Stakeholders more aware of coastal change and risk
- Spokespersons on behalf of interested people have had an opportunity to convey their ideas, opinions and concerns
- Information updated and collated in database
- Open Day held to display options, recommendations and reasons
- Incorporation of stakeholder consultation findings in final erosion management options and recommendations report

Stakeholder consultation	Stakeholders involved	Methods of involvement	Timing
Continue collection of information from stakeholders regarding value of the shoreline, aspirations for shoreline, erosion management policies and practices and desired erosion management objectives	All stakeholders	Phone / Email / Meeting	2010 / 2011
Issue invitations to stakeholders (including CSG, ESG and ASG members) to an Open Day to review draft erosion management options	All stakeholders	Advertisement in Fraser Coast Chronicle / Notice on Council website / Email or letter all those in consultation database	2011
Prepare Open Day display materials - display posters, Feedback Forms for completion by those consulted, Frequently Asked Questions (FAQ) sheet	All stakeholders	Display materials designed to address issues raised by stakeholders during consultation	2011
Consider preliminary draft erosion management options and present report	CSG and ESG members	CSG meeting and ESG workshops	2011



Stakeholder consultation	Stakeholders involved	Methods of involvement	Timing
Display erosion management options and recommendations / Collect feedback at an Open Day	All stakeholders	The Open Day will be held at a community venue and will provide attendees with the following information: <ul style="list-style-type: none"> <li>▪ The initial concepts</li> <li>▪ Stakeholder feedback that has been provided to date and design responses</li> <li>▪ Timing of the project's assessment and decision</li> </ul> Feedback will be collected to inform the SEMP	2011
Recommendations to CSG arising from stakeholder consultation	All stakeholders	Report to CSG	2011
Final erosion management options and recommendations report	CSG members	Report to Council	2011
Publish SEMP article in <i>Fraser Coast Living</i> newsletter	All stakeholders	Council newsletter	2011
Publish newspaper column "SEMP Update 2" to report on progress. Include FreeCall number and SEMP email address	All stakeholders	Advertisement in Fraser Coast Chronicle	2011
Publish "SEMP Update 2" on website to report on progress. Include FreeCall number and SEMP email address	All stakeholders	Council Website	2011
Stakeholder Consultation Report (Task 2)	CSG	Written report	2011

**TABLE 6: STAKEHOLDER CONSULTATION PROCESS (CONT)**

## Task 3 - SEMP Preparation

**Outcomes:**

- Stakeholders and the general public have been consulted and they know that the SEMP has been prepared
- Stakeholders and the general public have been given the opportunity to support or object to the proposals
- SEMP recommendations on public display

Stakeholder consultation	Stakeholders involved	Methods of involvement	Timing
Prepare public display posters summarising SEMP	All stakeholders	Phone / Email / Meeting	2011
Publicise through newspaper advertisement to advise the general public of locations where a copy of the SEMP can be seen	All stakeholders	Advertisement in Fraser Coast Chronicle	2011
Email and write letters to stakeholders who were engaged, advising availability of the SEMP and thanking them for their contribution	All stakeholders	Email and letters	2011
Present final SEMP to CSG meeting	CSG	Meeting	2011
Present final SEMP to Council	FCRC	Meeting	2011
Place posters and copies of the SEMP in Council office and library for 4 week public display	All stakeholders	Public display	2011

Stakeholder consultation	Stakeholders involved	Methods of involvement	Timing
Produce final Stakeholder Engagement Report for the SEMP incorporating, from the CPR Group database, a comprehensive register of representations and outcomes of stakeholder engagement	All stakeholders	Council Website	2011
Present final SEMP to Council	FCRC	Meeting	2011 (following public display and review/assessment of feedback)
Publish SEMP on Council's website	All stakeholders	Council Website	2011

## 4.0 COMPLIANCE WITH COUNCIL'S COMMUNITY ENGAGEMENT POLICY

The consultation process in this Plan complies with Council's '*Community Engagement Policy*', adopted 7 April 2010 (see Attachment 1).

Section 1.1 of this Plan, "Guiding Principles", and the Consultation Plan Strategy in Table 1 address Council's principles for engaging the community on page 1 of the Policy.

Council's policy on page 5 clarifies the purpose of engagement and how engagement occurs through five principles:

- 1 Timeliness - Table 6 illustrates timely engagement. Tables 2, 3, 4 and 5 illustrate that the process is open to all.
- 2 Information and feedback - The community will be well informed and receive feedback from Council, as shown in the outcomes of Tasks 1 to 3.
- 2 Mutual respect – The broad range of stakeholders provides inclusive involvement for all.
- 4 Action learning – Use of the UK guidelines, coupled with DERM guidelines is an innovative engagement approach.
- 5 Foresight – Seeking to understand values that people place on the shoreline will lead to a better understanding of the communities' perspective on emerging issues that may affect their preferred future.

The Council of the FCRC aligns with "Empower" on the IAP2 spectrum.

The CSG aligns with "Collaborate" on the IAP2 spectrum.

The ESG aligns with "Involve" on the IAP2 spectrum.

The ASG straddles "Involve" and "Consult" on the IAP2 spectrum.

Reference to past Council planning documents and issues raised in petitions helps reduce the risk of "consultation fatigue" mentioned on page 7 of the Policy.

Inclusion of state government agencies on the CSG and ESG facilitates the type of partnership suggested on page 7 of the Policy.

Consultation with Councillors on the ESG will provide opportunities for them to help establish the engagement techniques to be used, as suggested on page 7 of the Policy.

## 5.0 ATTACHMENTS

- 1 Community Engagement Policy (FCRC)
- 2 SEMP advertisement (Fraser Coast Chronicle, 3 & 10 April 2010)  
and SEMP article (Fraser Coast Chronicle, 15 April 2010)
- 3 SEMP article (FCRC website)
- 4 SEMP questionnaire
- 5 SEMP Fraser Coast Living Newsletter

**ATTACHMENT 1 - Community Engagement Policy (FCRC)**

<b>Policy Title:</b>	<b>COMMUNITY ENGAGEMENT POLICY</b>
Policy Subject:	Community
Policy No:	#1896552
Directorate:	Community Services
Department:	Community & Culture
Section:	
Responsible Officer:	Executive Manager – Community & Culture
Authorised by:	Director Community Services
Adopted Date:	7 April 2010
Review Date:	7 April 2011
Amended Date:	

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**OBJECTIVE:**

To provide direction for Council's community engagement activities as required under the Local Government Act 2009.

**POLICY:****Philosophy**

Council is committed to engaging the community in order to make decisions that best meet community needs and expectations. Council will listen to, collect information from, confer with and take into account the community's ideas but a central principle of Council's Community Engagement Framework is that the responsibility for decision-making rests with the elected body of Council. This message will be clearly communicated at all times when engaging with the community.

In order to engage the community most effectively and fairly, Council commits to the following principles:

1. Accurate, accessible and timely information will be provided as the basis for effective consultation;
  2. Participation will be encouraged by individuals, groups and organisations in the Fraser Coast Regional Council area and other regional areas as required;
  3. Practices to promote participation will be optimised and barriers to participation will be identified and minimised, and
  4. The purpose of each consultation will be clearly stated, as per the IAP2 spectrum (see Attachment 3);
  5. Feedback about the outcomes of consultation will be provided to participants as well as communicated to the general community.
-

**Role**

The role of this policy is to provide Council with a framework for engaging with the community that:

1. Forms part of Council's core planning cycles;
2. Ensures a consistent approach to engaging the community through informing, seeking information from and involving community members;
3. Develops Council's capacity to undertake effective community engagement;
4. Coordinates community engagement processes through Council to avoid duplication and;
5. Ensures maximum benefit to the whole organisation and community through sharing of information.

**Authorities & Responsibilities**

All Councillors and Council Officers are responsible for ensuring that they understand and implement the policy.

The Mayor, Councillors, Directors and Executive Managers are responsible for ensuring that this policy and strategies developed are implemented in a manner consistent with this policy.

**Scope & Activities**

This policy applies to all facets of Council's operations including council's corporate, land use and financial planning and our day to day business activities.

It defines the principles underpinning Council's engagement activities, the role of councillors and staff in engaging with the community, and the mechanisms which council will use to engage the community.

**Reporting Standards**

Council will establish a community engagement register to record its engagement activities.

**HEAD OF POWER:**

Local Government Act 2009, Section 4(2)(c) (To Come Into Effect July 1 2010)  
Local Government (Finance, Plans and Reporting) Regulation 2009 (DRAFT), Section 113.

**RELATED LEGISLATION:**

Nil.

**RELATED DOCUMENTS (LOCAL LAWS, POLICIES, DELEGATIONS, ETC):**

Community Plan



**ATTACHMENTS TO POLICY:**

**Attachment 1:** Local Government (Finance, Plans and Reporting) Regulation 2009 (DRAFT), Section 113.

**Attachment 2:** Community Engagement Framework

**Attachment 3:** IPA2 Public Participation Spectrum

**DEFINITIONS:**

**Community Plan** – *a document required under the Local Government Act 2009, Section 104(3)(d).*

**Community Engagement** - *an ongoing dialogue with our community to identify civic issues and opportunities, assist with planning and inform decision making.*

**ATTACHMENT 1:****Local Government (Finance, Plans and Reporting) Regulation 2009  
Chapter 3 Financial sustainability and accountability  
Part 3 Planning and accountability documents****113 Community engagement policy**

- (1) A local government must prepare and adopt, by resolution, a policy (a **community engagement policy**) describing how the local government must engage with the community about preparing or amending its community plan.
- (2) The local government must ensure the community plan is consistent with the community engagement policy.
- (3) The community engagement policy may also include a description of how the local government must engage with the community on matters other than the preparation or amendment of the community plan.
- (4) The local government may, by resolution, change the community engagement policy.

**ATTACHMENT 2:****COMMUNITY ENGAGEMENT FRAMEWORK****FRAMEWORK PURPOSE:**

To provide direction for Council's community engagement activities.

**DEFINITION**

Council defines community engagement as:

*an ongoing dialogue with our community to identify civic issues and opportunities, assist with planning and inform decision making.*

**FRAMEWORK OUTCOME**

Communities partnering with council to improve services and create a sustainable region.

**FRAMEWORK SCOPE**

This policy applies to all facets of Council's operations including council's corporate, land use and financial planning and our day to day business activities. It defines the principles underpinning Council's engagement activities, the role of councillors and staff in engaging with the community, and the mechanisms which council will use to engage the community

**ENGAGEMENT PRINCIPLES**

Council has decided to take a principle based approach to its community engagement activities. This approach provides consistency, cohesion and facilitates the alignment of our performance reporting requirements under the new Queensland Local Government Act (2009). Each principle seeks to clarify the purpose of why Council engages with the community and guide how that engagement occurs.

These principles are:-

- **timeliness:** council will engage with its community in ways that are timely, open to all, easily understood and not overly bureaucratic or resource intensive.
- **information and feedback:** the community has the right to be well informed on issues and receive feedback from council on how its input has been used to inform council decisions.
- **mutual respect:** council's goal is one of inclusive involvement. All voices matter, all opinions are valued and considered.
- **action learning:** council is committed to the development of innovative engagement approaches, learning from each engagement experience, and using such learning to improve our approaches to engagement.
- **foresight:** council engages with its community not only to learn about and respond to present needs, but also to gain a better understanding of our communities' perspective on emerging issues that may affect our preferred future.

## ENGAGEMENT CONTEXT

In broad terms Council's engagement activities will be subdivided into four categories:

### 1. Statutory Compliance

As an example, under the new Queensland Local Government Act (2009) Council has a statutory obligation to develop both a long term community plan and a five year corporate plan. Similarly the new Sustainable Planning Act (2009) will require Council to engage with the community in the development of its statutory land use plan.

Council will meet its statutory obligations by ensuring that citizens have the opportunity to:

- a. participate in developing a vision for the region's future
- b. have input into developing and monitoring priorities for action in the community and corporate plans; and
- c. comment on the development of, and changes to the statutory land use plan

### 2. Engagement around strategic issues

By their very nature these engagements will concern regional issues. On these issues Portfolio Councillors will involve the community through the establishment of advisory panels and taskforces or through special one off meetings or other appropriate engagement activities designed to generate dialogue and ideas.

Councillors, Directors and Executive Managers will be consulted to determine the nature and type of their involvement in the strategic issue

### 3. Engagement concerning local issues

Council will take a flexible approach on how it engages with the community on local issues with the Portfolio Councillor playing a pivotal role. Engagement activities will provide an opportunity to give and receive information and may include the establishment of working or project groups or community meetings. Such activities will be action focussed and will often involve council staff.

### 4. Engagement linked to day to day council business

Council staff in consultation with the Portfolio Councillor will identify and manage community engagement activities associated with council's core business and projects approved in Council's budget. The responsible Directorate will establish the most appropriate engagement technique at the project planning stage and will then be responsible for providing information to the community on the issue and facilitating the community involvement.

## ENGAGEMENT ACTIVITIES

Council recognises the full spectrum of engagement activities from informing through consulting and involving to collaboration and empowerment as advocated by the International Association of Public Participation (IAP2). (See Attachment 3).

Council will use different community engagement techniques and communication mechanisms depending upon the issue or project, its particular circumstance and the audience it needs to target.

The need for, and type of community engagement to be undertaken will be determined at the project planning stage following an analysis of the desired project outcomes. The project plan will also identify the most appropriate communication tool to ensure that the particular target group(s) is well informed of both the issue and related engagement opportunities.

At the planning stage the project team will also consider whether or not it can obtain the community information it requires from another source, or previous engagement activity in order to maximise the use of limited resources and minimise the likelihood of consultation fatigue developing within the community.

### **PARTNERSHIPS**

As an integral part of this policy council will facilitate the establishment of a range of partnerships between all levels of government, business and community organisations. These partnerships will:

- provide a flexible vehicle to respond to economic, environmental and community issues;
- advocate to other levels of Government on issues of regional importance;
- attract external funding to the region; and
- undertake specific projects or activities of mutual benefit to the region and its communities.

### **ROLES AND RESPONSIBILITIES**

Councillors and staff play complementary roles in engaging with the community. Council will decide the high level strategic issues on which it will engage the community. These issues will be linked to an identified corporate plan priority, or a significant emerging regional issue.

Councillors have responsibility for engaging with their local communities; and council staff have responsibility for engaging the community in their day to day business activities and on agreed projects and place making activities. In doing so staff will consult with the appropriate councillor(s) in order to establish the engagement technique(s) that will be used.

### **DEVELOPING ENGAGEMENT CAPACITY**

In order to develop a culture of engagement across the organisation Council will:

- provide community engagement training for councillors and staff
- modify its report format to include a section titled 'community engagement' which details the proposed engagement strategy to be undertaken within the context of the report
- establish performance indicators to measure engagement outcomes
- identify new and emerging information, communication, and knowledge management technologies and explore how they could be used to better engage the community.
- establish a network of community engagement practitioners to share information and experiences

**COMMUNITY ENGAGEMENT REGISTER**

Council will establish a community engagement register to record its engagement activities.

This will assist in developing a system of governance that mitigates the risks of duplication and over consultation, records activities undertaken, and allows the community to see at any time what consultation is being planned or is actually occurring. The register will also contain a record of the membership and the minutes of all council taskforces and advisory panels.

Establishment of the community engagement register will assist Council meet its reporting obligations to State Government.

**COMMUNITY COMMITTEES**

From time to time Council may establish community committees that will:

- have a specific terms of reference;
- explore a major strategic or regional issue;
- have a defined timeframe;
- report at least once every six months to Council;
- be chaired by a councillor;
- identify staff resources to act as project officer and secretary to the taskforce or panel.

**RELATED POLICIES AND LEGISLATION**

Queensland Local Government Act 2009  
Queensland Sustainable Planning Act 2009

**REVIEW OF THE POLICY****Establishment of a cross departmental team**

In order to ensure that the actions detailed within this policy are undertaken, information is coordinated and new opportunities grasped as they emerge council will establish a cross departmental project team charged with monitoring and reporting on the implementation of this policy. This team will be coordinated by the Executive Managers - Strategic Integration and Community and Culture and will meet quarterly or as required.

**Formal review**

Council will formally review this community engagement policy annually.

ATTACHMENT 3:



International Association  
for Public Participation  
Australasia

# IAP2 Public Participation Spectrum

Developed by the International Association for Public Participation

INCREASING LEVEL OF PUBLIC IMPACT

INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
Public Participation Goal:	Public Participation Goal:	Public Participation Goal:	Public Participation Goal:	Public Participation Goal:
To provide the public with balanced and objective information to assist them in understanding the problems, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision-making in the hands of the public.
Promise to the Public:	Promise to the Public:	Promise to the Public:	Promise to the Public:	Promise to the Public:
We will keep You informed.	We will keep you informed, listen to and acknowledge concerns and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for direct advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.
Example Techniques to Consider:	Example Techniques to Consider:	Example Techniques to Consider:	Example Techniques to Consider:	Example Techniques to Consider:
<ul style="list-style-type: none"> <li>• Fact sheets</li> <li>• Web Sites</li> <li>• Open houses</li> </ul>	<ul style="list-style-type: none"> <li>• Public comment</li> <li>• Focus groups</li> <li>• Surveys</li> <li>• Public meetings</li> </ul>	<ul style="list-style-type: none"> <li>• Workshops</li> <li>• Deliberate polling</li> </ul>	<ul style="list-style-type: none"> <li>• Citizen Advisory</li> <li>• Committees</li> <li>• Consensus building</li> <li>• Participatory decision-making</li> </ul>	<ul style="list-style-type: none"> <li>• Citizen juries</li> <li>• Ballots</li> <li>• Delegated decisions</li> </ul>

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**ATTACHMENT 2 - SEMP advertisement  
(Fraser Coast Chronicle, 3 & 10 April 2010) and SEMP article  
(Fraser Coast Chronicle, 15 April 2010)**



### **Fraser Coast Shoreline Erosion Management Plan**

Fraser Coast Regional Council is aware of the potential impacts of current and future erosion of the Fraser Coast Shoreline. Council has commissioned a Shoreline Erosion Management Plan (SEMP) to quantify the level of risk associated with coastal erosion. The SEMP will analyse short term and long term effects of coastal erosion, which will incorporate climate change related sea level effects.

Council has engaged a team of engineers and scientists from Cardno and stakeholder engagement specialists CPR Group to develop the Plan during 2010 in collaboration with Council.

The study will adopt a holistic approach, incorporating consideration of social, environmental, economic, legislative and administrative requirements. Immediate erosion risks will be identified as well as for a planning horizon of up to 100 years. A range of erosion management options will be developed in consultation with the relevant Government authorities and stakeholder groups, tailored specifically to the different types of foreshore along the Fraser Coast.

This work will be overseen by a steering group comprising government representatives and independent experts, and will be prepared in consultation with stakeholders from the community. The stakeholder engagement will form a key component of the project where residents, businesses, special interest groups and associations will be contacted to ascertain the needs and values they identify on the coastal region and what types of foreshore protection would be preferred.

Further information will be forthcoming in relation to stakeholder engagement opportunities. Meanwhile, if you wish to ensure your participation in the project please contact CPR Group on

**FreeCall 1800 100 204,  
or e-mail [SEMP@cprgroup.com.au](mailto:SEMP@cprgroup.com.au)**



**Fraser Coast Chronicle**  
**15-Apr-2010**  
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General News  
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Size: 58.74 sq.cms  
Frequency: MTWTFS-

## See the SEMP and have your say

A SHORELINE Erosion Management Plan is being developed by the Fraser Coast Regional Council.

It will cover 112km of open ocean coastline from Burrum Heads to Tinnanbar.

The council has employed Cardno Lawson Treloar to prepare the SEMP, with Sunshine

Coast-based company CPR Group undertaking community consultation.

Public meetings will be organised across the region, during which residents will have the chance to express their views and expectations on shoreline management.

People will also be able to

make comments via a website or by phoning a free-call hotline to be set up.

Details of the public consultation will be advertised on the council's website, [www.frasercoast.qld.gov.au](http://www.frasercoast.qld.gov.au).

Residents will also be able to view a draft SEMP before a final draft is presented to councillors.

**ATTACHMENT 3 - SEMP article (FCRC website)**

Your Community » Environment » Beaches and Coastal Management

## Beaches and Coastal Management



### Shoreline Erosion Management Plan (SEMP)

Council is developing a Shoreline Erosion Management Plan (SEMP) for its 112 km of open ocean coastline which stretches from Burrum Heads to Tinnanbar.

Consultants Cardno Lawson Treloar have been engaged to prepare the Fraser Coast region SEMP with CPR Group undertaking community consultation.

Residents will have several opportunities to have input to the plan. To lodge an interest in participating in the SEMP Project, email [semp@cprgroup.com.au](mailto:semp@cprgroup.com.au) or call the freecall hotline on 1800 100 204. [Complete the SEMP questionnaire online.](#)



The consultants will organise community meetings across the region at which residents can put forward their views and expectations on shoreline management. Details will be advertised on this page and in the local media as they become available.

A draft SEMP will be placed on public exhibition before a final draft is presented to the Council.

The SEMP will set the Council's policy on coastline erosion management and the key actions, recommended works and monitoring it will undertake to meet the policy.

For general enquiries regarding coastal management issues, email [Engineering.Services@frasercoast.qld.gov.au](mailto:Engineering.Services@frasercoast.qld.gov.au) or phone 1300 79 49 29.

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## **ATTACHMENT 4 - SEMP questionnaire**



# Fraser Coast Shoreline Erosion Management Plan

Thank you for sharing your local knowledge. It will assist this important project.

This questionnaire is a way for the Project Team to gain valuable insights into your personal experiences and observations and the values you place on the Fraser Coast Shoreline.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_

Email: \_\_\_\_\_ Fax: \_\_\_\_\_

Business Name: \_\_\_\_\_ Community Organisation: \_\_\_\_\_

My favourite beach is \_\_\_\_\_

I visit \_\_\_\_\_ beach \_\_\_\_\_ times per month for these activities \_\_\_\_\_

I visit these other beaches \_\_\_\_\_ for specific activities and events including \_\_\_\_\_

What I value about my favourite beach (this could include personal enjoyment, environmental attributes and economic contribution):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Is your property, organisation or business affected by the risk of coastal flooding or erosion? If so, please give brief details including any significant historic events:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Please turn over →

Fax: 07 5443 6429



What are the main issues relating to the way in which the coastline is managed and which you want to see being dealt with in the plan?

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What objectives do you have for the future management of the coastline?

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Do you have any views on the way in which the existing defences, if any, have had an impact on the way in which the Fraser Coast shoreline (Burrum Heads to Tinnanbar) has developed?

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Do you have any views on changes that should be made to the existing coastal defences? What effect do you think this would have?

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Please let us know if you have information on any of the following aspects. If so, what is the format and are you willing to make it available to the Project Team?

- A map of your premises, site(s) or showing your area of interest
- Local coastal processes
- Flooding and erosion events
- Design and construction of existing coastal defences
- The natural environment and ecology
- The built environment, coastal industries and land use
- Tourism and amenity usage of the coast

Thank you for your time



**ATTACHMENT 5 - SEMP Fraser Coast Living Newsletter**





## Help protect our shoreline

ARE YOU a ratepayer, resident or visitor to the Fraser Coast? Do you use or value the beach? Do you have views on how the coastal environment and coastal infrastructure should look and be used? Do you have photographs or information about the coastline near you or in which you are interested?

If you have answered yes to any of the above questions, Council would value your help in establishing the Shoreline Erosion Management Plan (SEMP), which will guide sustainable beach protection on the Fraser Coast.

The SEMP project commenced in April this year. Research to date has focused on collecting and analysing the technical data necessary to help set Council's policy on shoreline erosion management. Now we need YOUR help.

Please use the contact details below to obtain a questionnaire that covers the issues we need information about. Your feedback will help identify problem locations, develop options to address erosion issues and choose a preferred option.

Further participation opportunities will be provided during the project, which will continue for about a year. There will be a public display during the next stage of the project.

To help prepare the SEMP, Council has engaged coastal management specialists Cardno Lawson Treloar and community engagement specialists CPR Group.

To have your say, call CPR Group on FreeCall 1800 100 204 or email [SEMP@cprgroup.com.au](mailto:SEMP@cprgroup.com.au) to be sent a questionnaire. We will then keep you informed on progress of the project, anticipated to run through to mid 2011.

Alternatively, you can complete the questionnaire on Council's website at [www.frasercoast.qld.gov.au](http://www.frasercoast.qld.gov.au). Updates on the SEMP progress will appear periodically on the website.

## It's pretty – and natural!

AS YOU DRIVE ALONG our region's esplanades your views may be hindered by beach she-oaks, coastal banksias, pandanus palms and other native trees – but there is a good reason why Council retains the natural look along our foreshore.

The trees and dunes protect our foreshore areas which in turn play an important role as:

- Buffers to help protect against erosion, strong winds and storm surges;
- Significant cultural sites which reflect our Aboriginal and European heritage;
- Remnant natural vegetation providing habitat and corridors for wildlife and in some cases turtle nesting; and
- Recreational and educational sites.

Council is committed to protecting the intrinsic values of its mainland foreshores and preserving the function and sustainability of our region's natural dune systems.

The Hervey Bay Foreshore Management Plan (available on Council's website) is used to guide the future use and management of foreshore parklands and will be extended to include the wider Fraser Coast region in the next 12 months.

## Countdown to Noeline Brown

NOELINE BROWN, the Ambassador for Ageing and funny lady of TV, radio and theatre, is coming to Hervey Bay for the Fraser Coast Seniors Expo on Friday 13 August at the Hervey Bay PCYC.

Ms Brown was appointed as the first Ambassador for Ageing by the Australian Government in April 2008.

This year's Senior Expo features a full house with nearly 80 exhibitors including lots of new and exciting ones, all with information, products and services for the over 50s.

Seniors Project Officer, Julie De Waard said: "If people have been before and think that they have seen it all, this is definitely not true this year".

The program of entertainment is jammed pack with magic tricks, singing, dog obedience displays and information sessions on a wide variety of topics.

The cost is just \$2 for a great day of information, opportunities and fun. For information or to arrange transport contact Julie on 1300 79 49 29.

## Ranger Jay's farewell walk...

RANGER JAY, Fraser Coast Regional Council's Compliance mascot, has retired after five years of service to the community.

If you want a final chance to wish Jay well for his retirement you can see him at the **6th Annual Ranger Lacey's Dog's Day Out Pet Walk on Sunday 29 August 2010**, to be held at Dayman Park in Hervey Bay.

The aim of the 'Pet Walk' is to raise community awareness of responsible pet ownership while raising money for Guide Dogs Queensland. For more information on the Annual Ranger Lacey's Dog's Day Out Pet Walk call Caroline on 1300 79 49 29.

