

Erosion Prone Area

Fraser Coast Region Local Government Area

Erosion Prone Area Definition

1. Erosion prone areas are deemed to exist over all tidal water to the extent of Queensland Coastal Waters and on all land adjacent to tidal water.
2. Erosion prone areas include areas subject to inundation by the highest astronomical tides (HAT) by the year 2100 or at risk from sea erosion.
3. On land adjacent to tidal water the landward boundary of the erosion prone area shall be defined by whichever of the following methods gives the greater erosion prone area width:
 - a. a line measured 40 metres landward of the plan position of the present day HAT level except where approved revetments exist in which case the line is measured 10 metres landward of the upper seaward edge of the revetment, irrespective of the presence of outcropping bedrock;
 - b. a line located by the linear distance shown on Table 1 and measured, unless specified otherwise, inland from:
 - i. the seaward toe of the frontal dune (the seaward toe of the frontal dune is normally approximated by the seaward limit of terrestrial vegetation or, where this cannot be determined, the level of present day HAT); or
 - ii. a straight line drawn across the mouth of a waterway between the alignment of the seaward toe of the frontal dune on either side of the mouth
 - c. the plan position of the level of HAT plus 0.8 m vertical elevation.

Except:

- i. where the linear distance specified in 3b is less than 40 metres, in which case section 3a. does not apply and the erosion prone area width will be the greater of 3b and 3c; or
 - ii. where outcropping bedrock is present and no approved revetments exist, in which case the line is defined as being coincident with the most seaward bedrock outcrop at the plan position of present day HAT plus 0.8m; or
 - iii. in approved canals in which case the line of present day HAT applies, irrespective of the presence of approved revetments or outcropping bedrock.
4. Erosion prone areas defined in accordance with the above are deemed to exist throughout all the local government areas, irrespective of whether the entire local government area is depicted on erosion prone area plans for the area.

Notes to clarify the definition

1. The specific location along the coast to which each erosion prone area linear distance applies (a segment) is shown in Table 1.
2. A map indicating the approximate location along the coast of each linear distance segment is attached.
3. Each erosion prone area segment is located on the coastline between 2 points defined by latitude and longitude. A projection of each point to the nearest actual coastline and continuing inland perpendicular to the coast defines the erosion prone area segment.
4. "Present day HAT" in the definition is always taken to be the present day level of HAT for the coastline as defined in the Queensland Tide Tables for that year or as defined by empirical methodology at the site.
5. The extent of the erosion prone area where it is defined by "HAT plus 0.8m" is the HAT coastline at the year 2100 and includes sea level rise to that time. It is determined by the area of land inundated to the level HAT of the nearest adjacent open coast or river tide gauge plus 0.8m vertical elevation. Site based HAT is not to be used as present day attenuation of inland HAT level due to flow constraints may not persist to 2100 with coastline response to sea level rise. For further explanation see the Coastal Hazard Technical Guide.
6. Where noted on Table 1 (and the map) the specified linear distance applies except where a revetment has been constructed and maintained to the approved design in which case the landward boundary of the erosion prone area is at the upper seaward edge of the revetment (A-line).
7. The approximate erosion prone area footprint is shown on Coastal Hazard Area Maps available on the Department of Environment and Heritage Protection website at www.ehp.qld.gov.au. These footprints are indicative only and the definition in this plan prevails for any inconsistency between the two.
8. This erosion prone area plan may be updated from time to time and a new revision created. Please check with the Department of Environment and Heritage Protection or the local government that this copy is the current version prior to using the contained information in any way.

Date of Erosion Prone Area Declaration: 8 July 2015

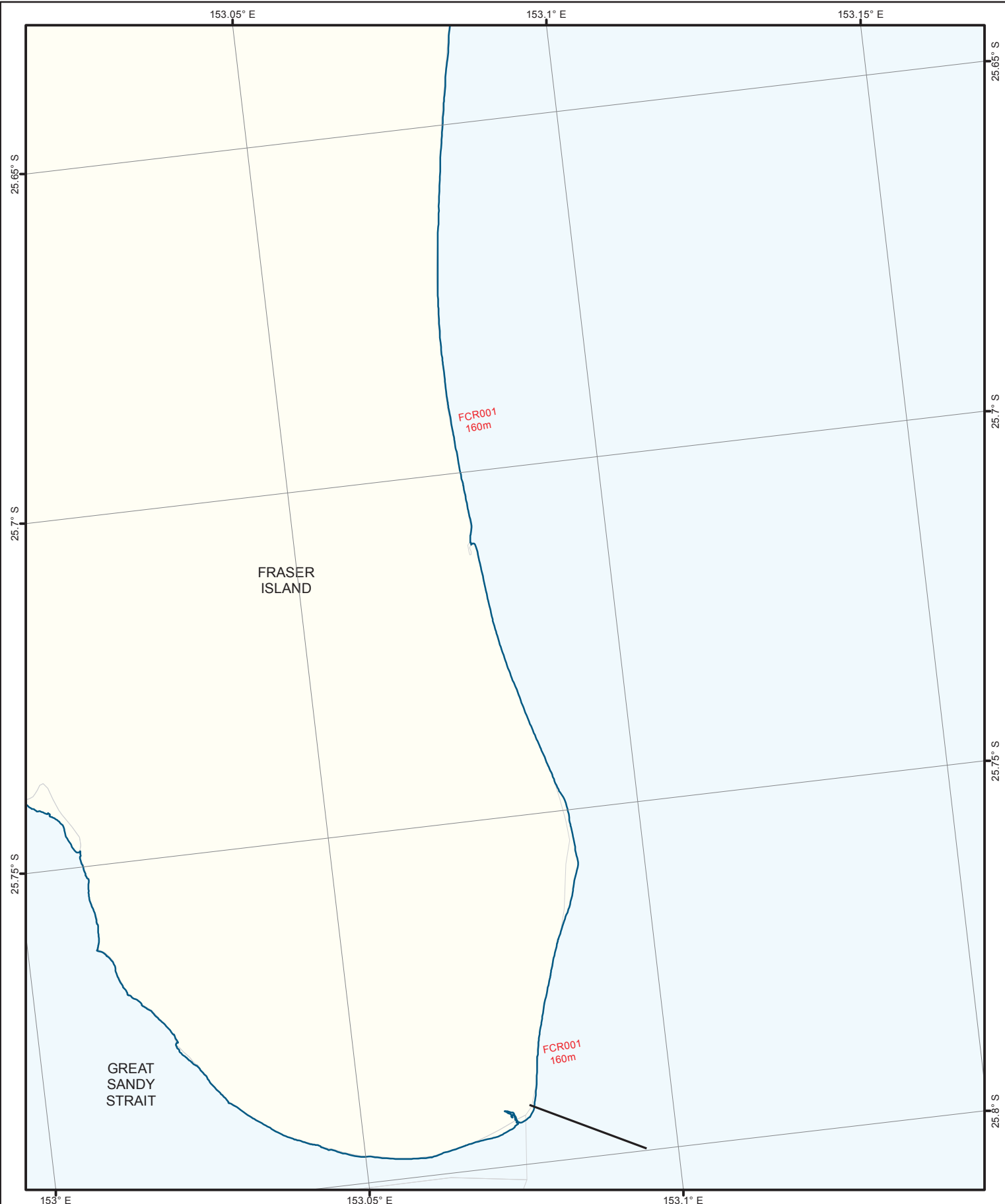
Date of Erosion Prone Area Amendment:

**Plan No:
FCR3A**

FCR3A Table 1: Linear distances for the erosion prone area and the specific location of each segment

Erosion prone area segment number	Segment start longitude (degrees)	Segment start latitude (degrees)	Segment end longitude (degrees)	Segment end latitude (degrees)	Erosion prone area linear distance (Width in metres)
FCR001	153.07710	-25.79160	153.13078	-25.50311	160m
FCR002	153.13078	-25.50311	153.17116	-25.40936	135m
FCR003	153.17116	-25.40936	153.26958	-25.20114	135m
FCR004	153.26958	-25.20114	153.33842	-25.05353	165m
FCR005	153.33842	-25.05353	153.35698	-25.01250	260m
FCR006	153.35698	-25.01250	153.35729	-25.00669	0m
FCR007	153.35729	-25.00669	153.35094	-24.99293	270m
FCR008	153.35094	-24.99293	153.35201	-24.98944	0m
FCR009	153.35201	-24.98944	153.35029	-24.98788	170m
FCR010	153.35029	-24.98788	153.34989	-24.98074	0m
FCR011	153.34989	-24.98074	153.35078	-24.96791	270m
FCR012	153.35078	-24.96791	153.34943	-24.96480	0m
FCR013	153.34943	-24.96480	153.33933	-24.96661	200m
FCR014	153.33933	-24.96661	153.32492	-24.96398	150m
FCR015	153.32492	-24.96398	153.26326	-24.86664	200m
FCR016	153.26326	-24.86664	153.26184	-24.76919	140m
FCR017	153.26184	-24.76919	153.26229	-24.69879	280m
FCR018	153.26229	-24.69879	153.20570	-24.72081	180m
FCR019	153.20570	-24.72081	153.18271	-24.73839	140m
FCR020	153.18271	-24.73839	153.11893	-24.81601	180m
FCR021	153.11893	-24.81601	153.17031	-24.83299	150m
FCR022	153.17031	-24.83299	153.20003	-24.87069	160m
FCR023	153.20003	-24.87069	153.23302	-24.95124	150m
FCR024	153.23302	-24.95124	153.23441	-24.97561	Width of spit
FCR025	153.23441	-24.97561	152.99329	-25.22229	150m
FCR026	152.99329	-25.22229	152.99564	-25.23044	Width of spit
FCR027	152.90840	-25.28991	152.90375	-25.28292	105m Possible Bedrock
FCR028	152.90375	-25.28292	152.89708	-25.28057	85m
FCR029	152.89708	-25.28057	152.88760	-25.28078	85m
FCR030	152.88760	-25.28078	152.88272	-25.28163	85m
FCR031	152.88272	-25.28163	152.85469	-25.28324	110m Possible Bedrock
FCR032	152.85469	-25.28324	152.84976	-25.28203	85m
FCR033	152.84976	-25.28203	152.84566	-25.28046	125m
FCR034	152.84566	-25.28046	152.84241	-25.27922	155m
FCR035	152.84241	-25.27922	152.83348	-25.27580	110m
FCR036	152.83348	-25.27580	152.80520	-25.24876	70m Possible Bedrock
FCR037	152.80520	-25.24876	152.80925	-25.25650	105m Possible Bedrock
FCR038	152.80925	-25.25650	152.80678	-25.26200	Trans 400m to 105m
FCR039	152.80678	-25.26200	152.80432	-25.26512	400m
FCR040	152.80432	-25.26512	152.79808	-25.26595	Trans 400m to 130m
FCR041	152.79808	-25.26595	152.73182	-25.26690	130m
FCR042	152.73182	-25.26690	152.72953	-25.26641	Trans 400m to 130m
FCR043	152.72953	-25.26641	152.72427	-25.26622	400m

FCR044	152.72427	-25.26622	152.72161	-25.26492	Trans 400m to 130m
FCR045	152.72161	-25.26492	152.68165	-25.24866	130m
FCR046	152.68165	-25.24866	152.67706	-25.24644	Trans 175m to 130m
FCR047	152.67706	-25.24644	152.66565	-25.24745	175m
FCR048	152.66565	-25.24745	152.65914	-25.24351	Width of spit
FCR049	152.66277	-25.24223	152.63841	-25.21473	400m
FCR050	152.63841	-25.21473	152.61791	-25.18581	165m
FCR051	152.61791	-25.18581	152.61131	-25.18331	100m







Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

Note:
This map is a representation of the erosion prone area segment locations provided in Table 1 and should be used as a guide only.

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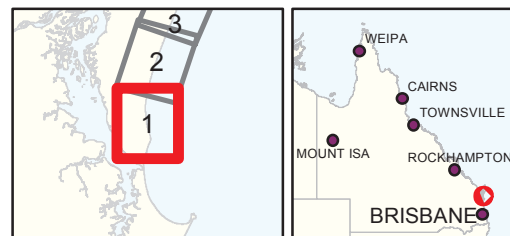
FCR006 Segment number and linear distance for erosion prone area

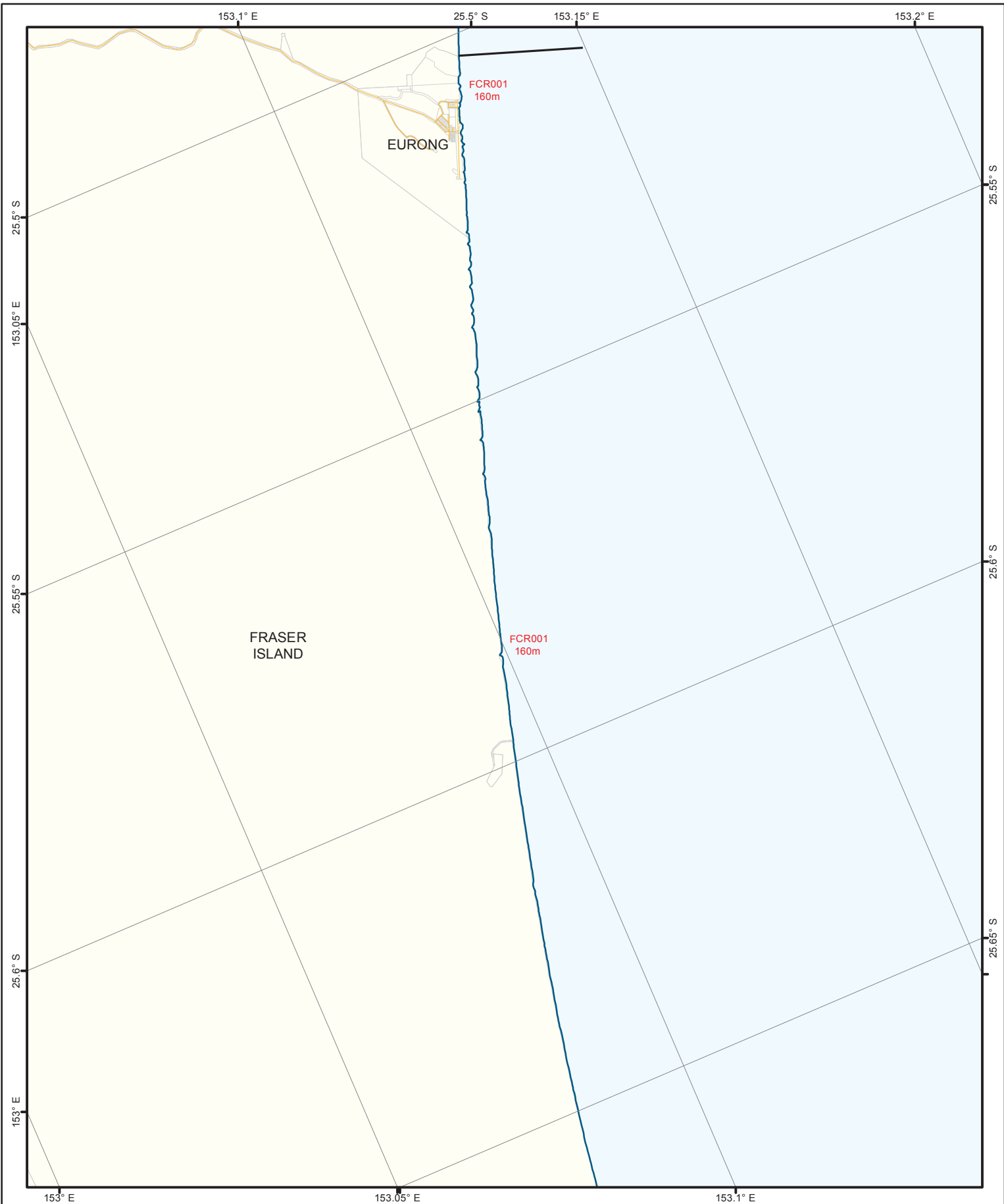
-  Erosion Prone Area segment start/stop location
-  Roads
-  Queensland coast
-  Cadastral boundaries



FCR3A Map 1

Projection: Albers. Datum: GDA 1994.





Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

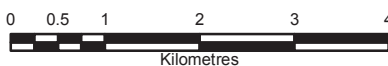
FCR3A Map 2

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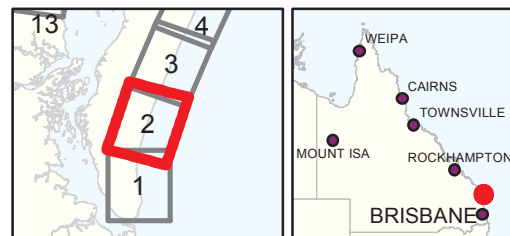
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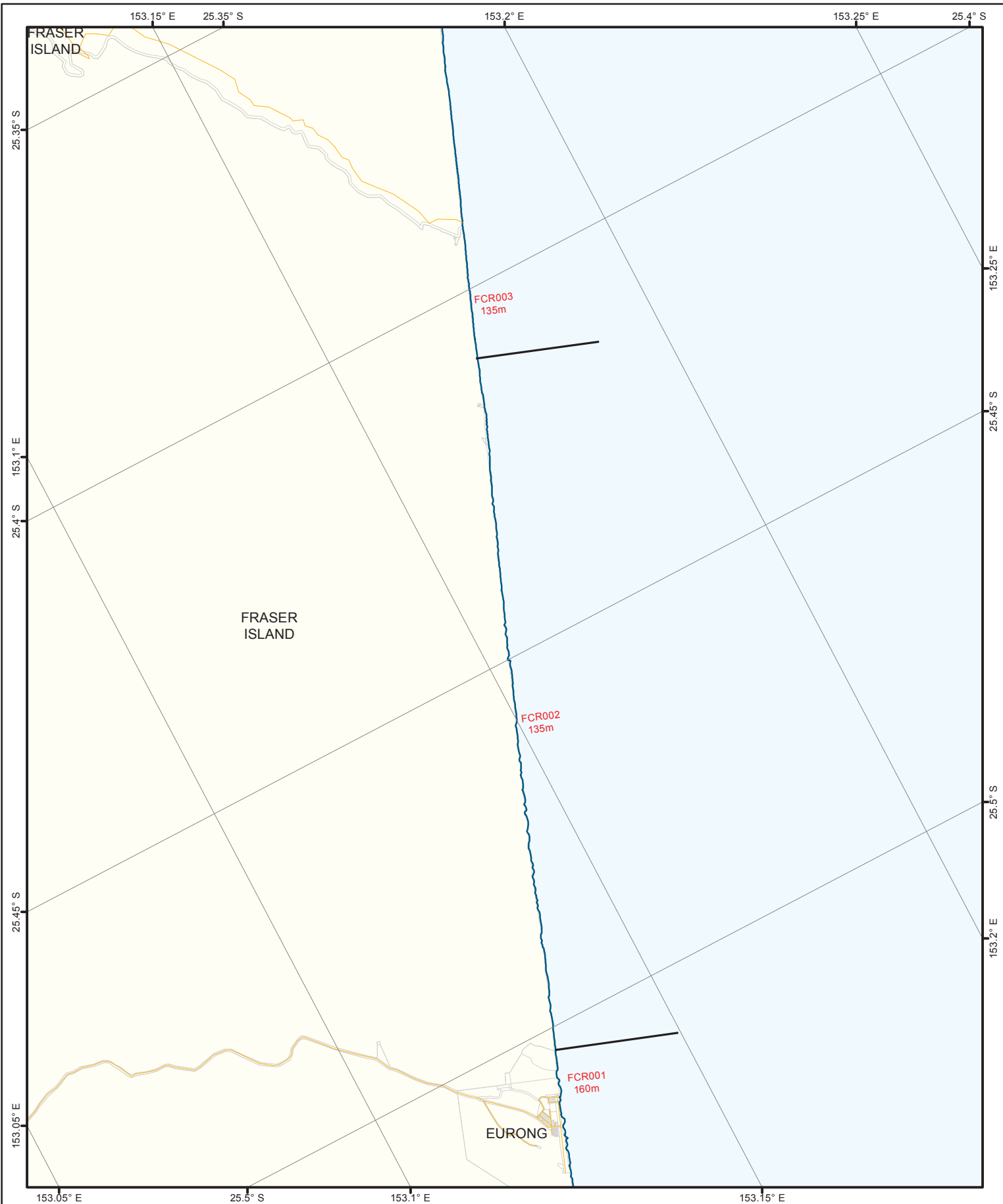
FCR006 Segment number and linear distance for erosion prone area
100m

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Projection: Albers. Datum: GDA 1994.





Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

FCR3A Map 3

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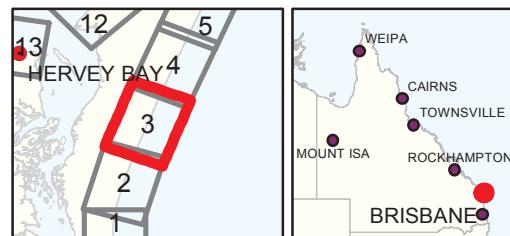
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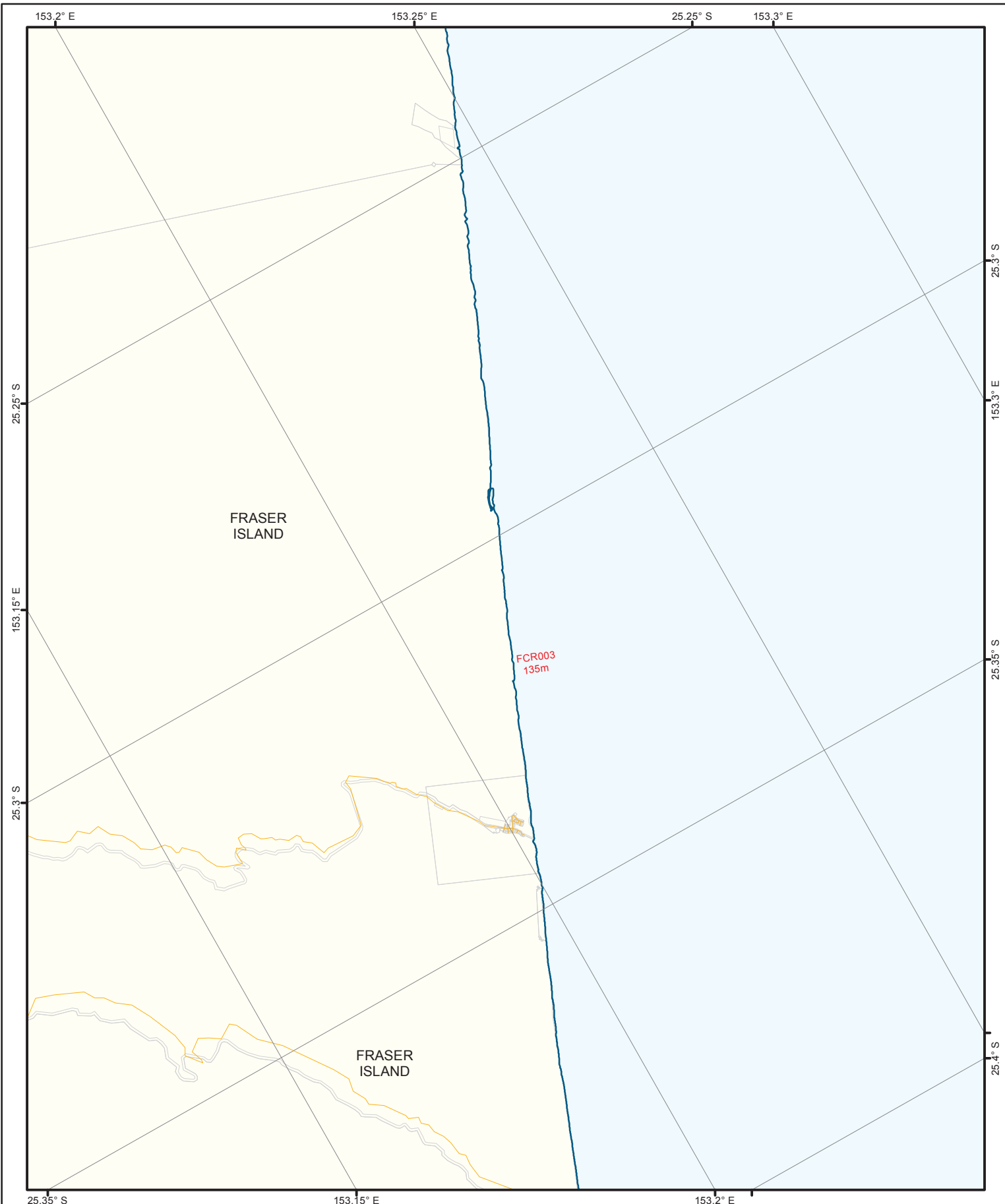
FCR006 Segment number and linear distance for erosion prone area

- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
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Projection: Albers. Datum: GDA 1994.





Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

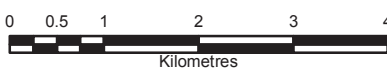
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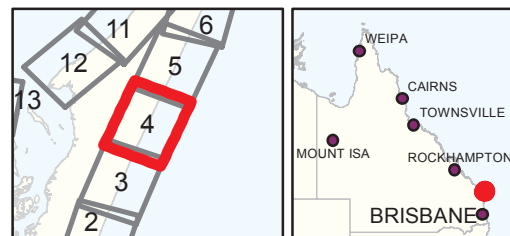
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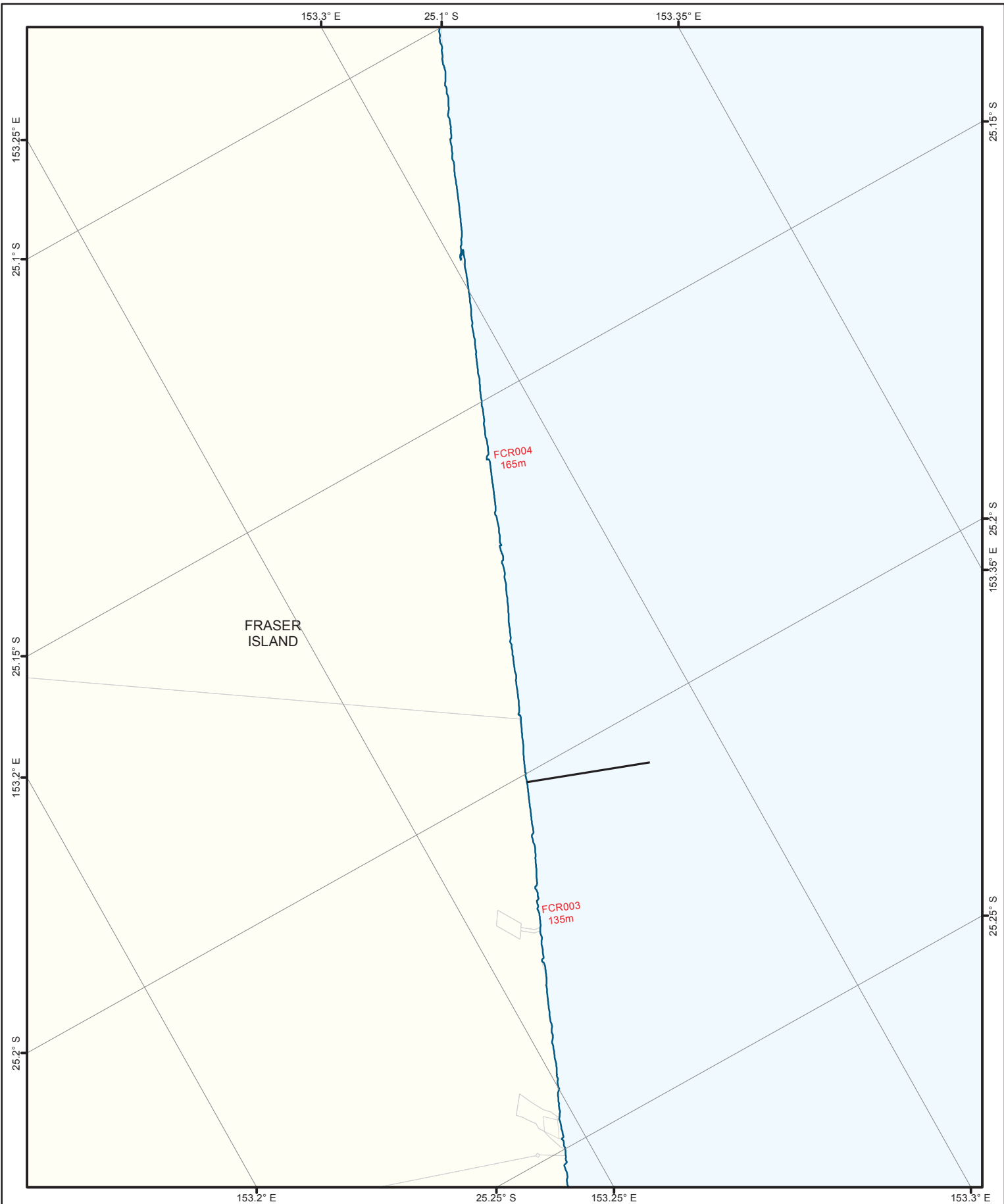
FCR006 Segment number and linear distance for erosion prone area

- Erosion Prone Area segment start/stop location
- Roads
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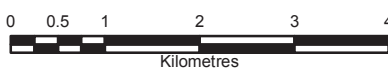
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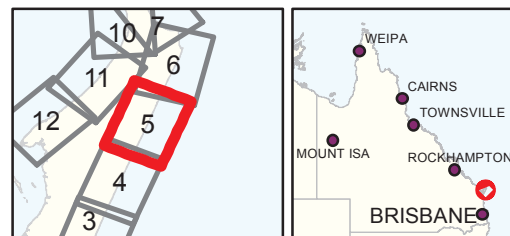
FCR006 Segment number and linear distance for erosion prone area

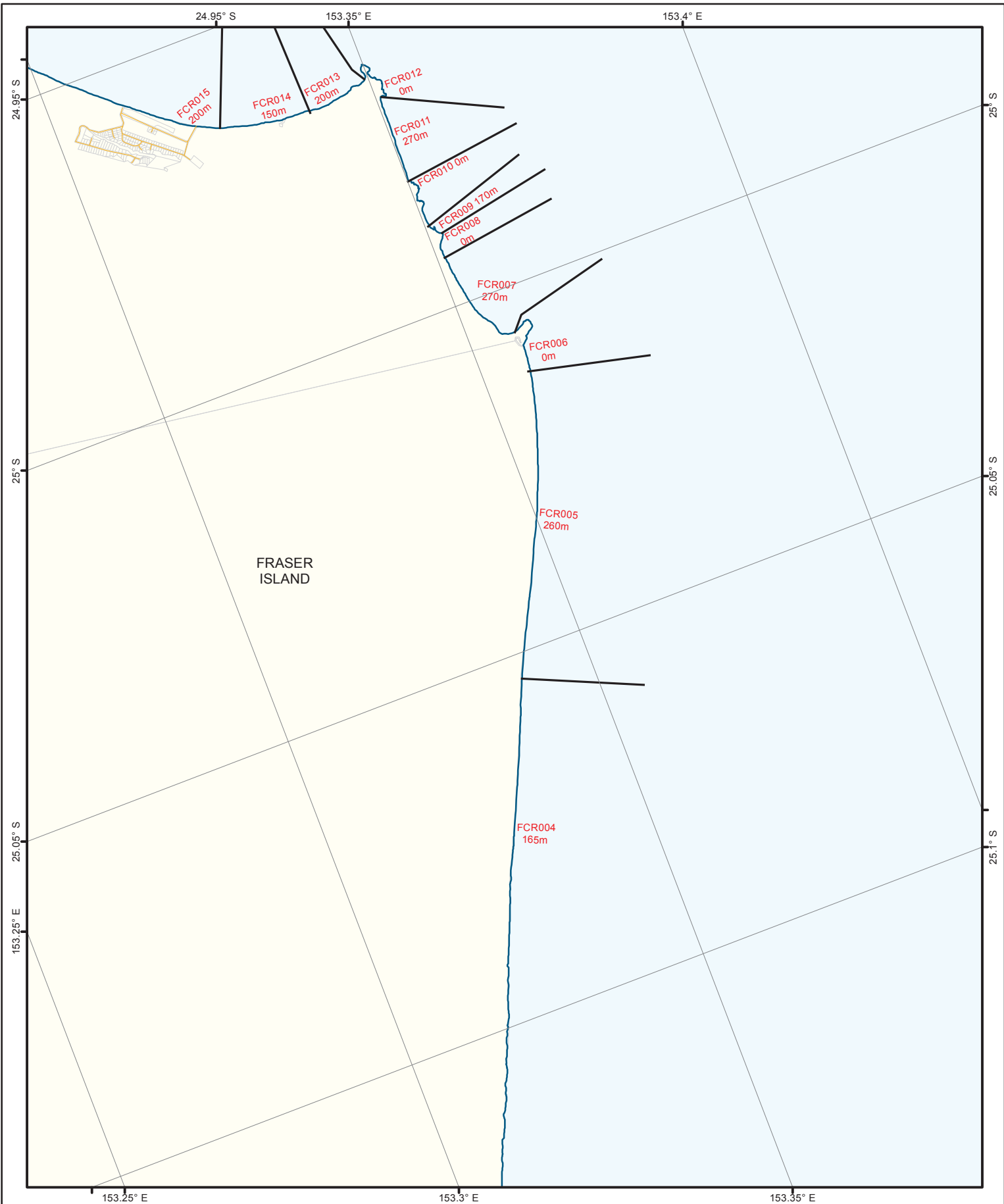
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



FCR3A Map 5

Projection: Albers. Datum: GDA 1994.





Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

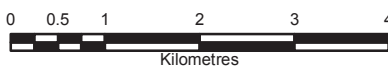
FCR3A Map 6

Note:
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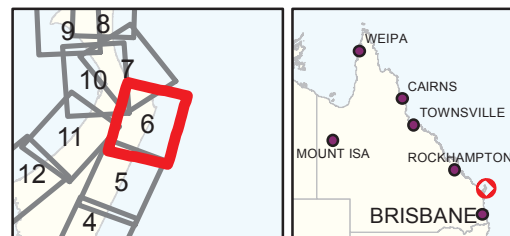
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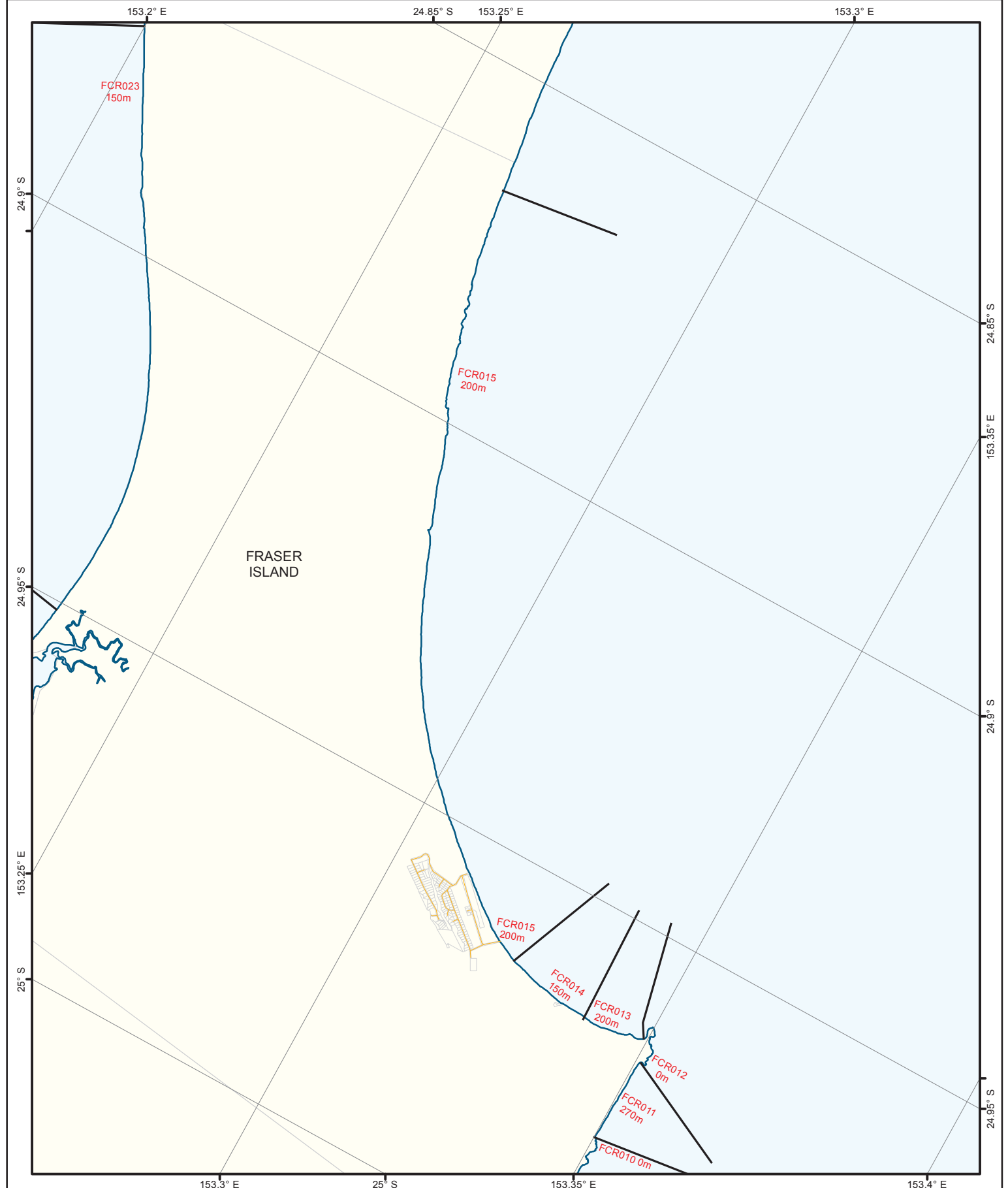
FCR006 Segment number and linear distance for erosion prone area

- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



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Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

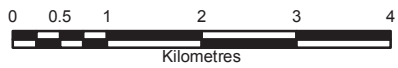
FCR3A Map 7

Note:
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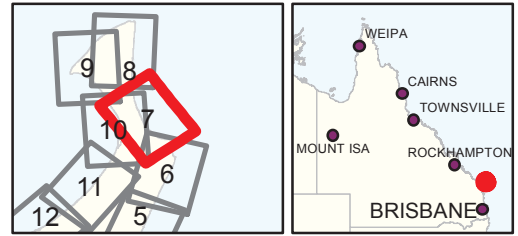
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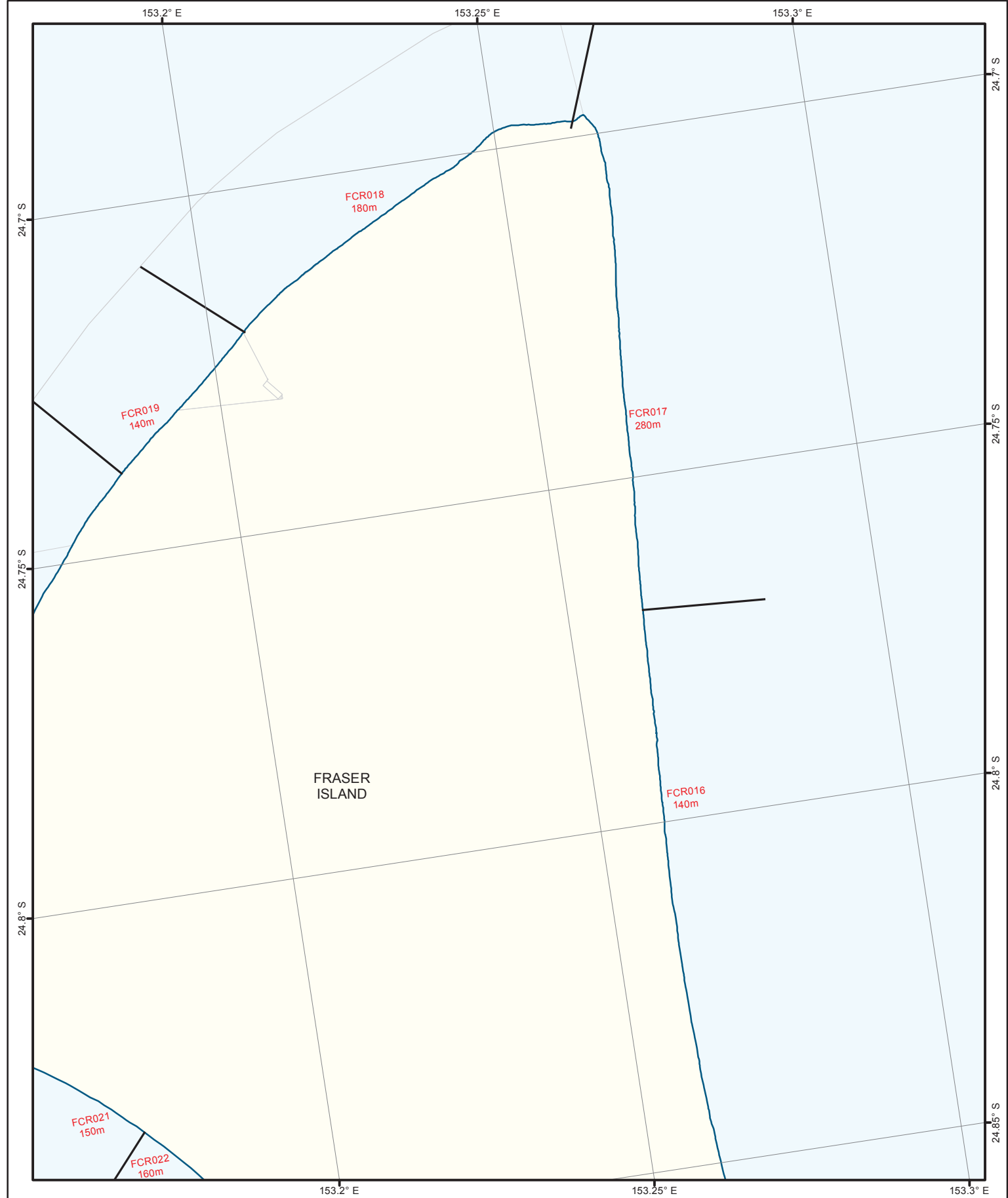
FCR006 Segment number and linear distance for erosion prone area

- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



Projection: Albers. Datum: GDA 1994.





Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

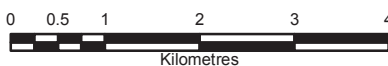
FCR3A Map 8

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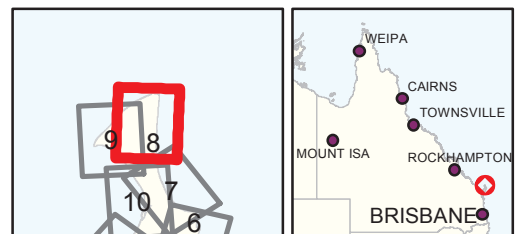
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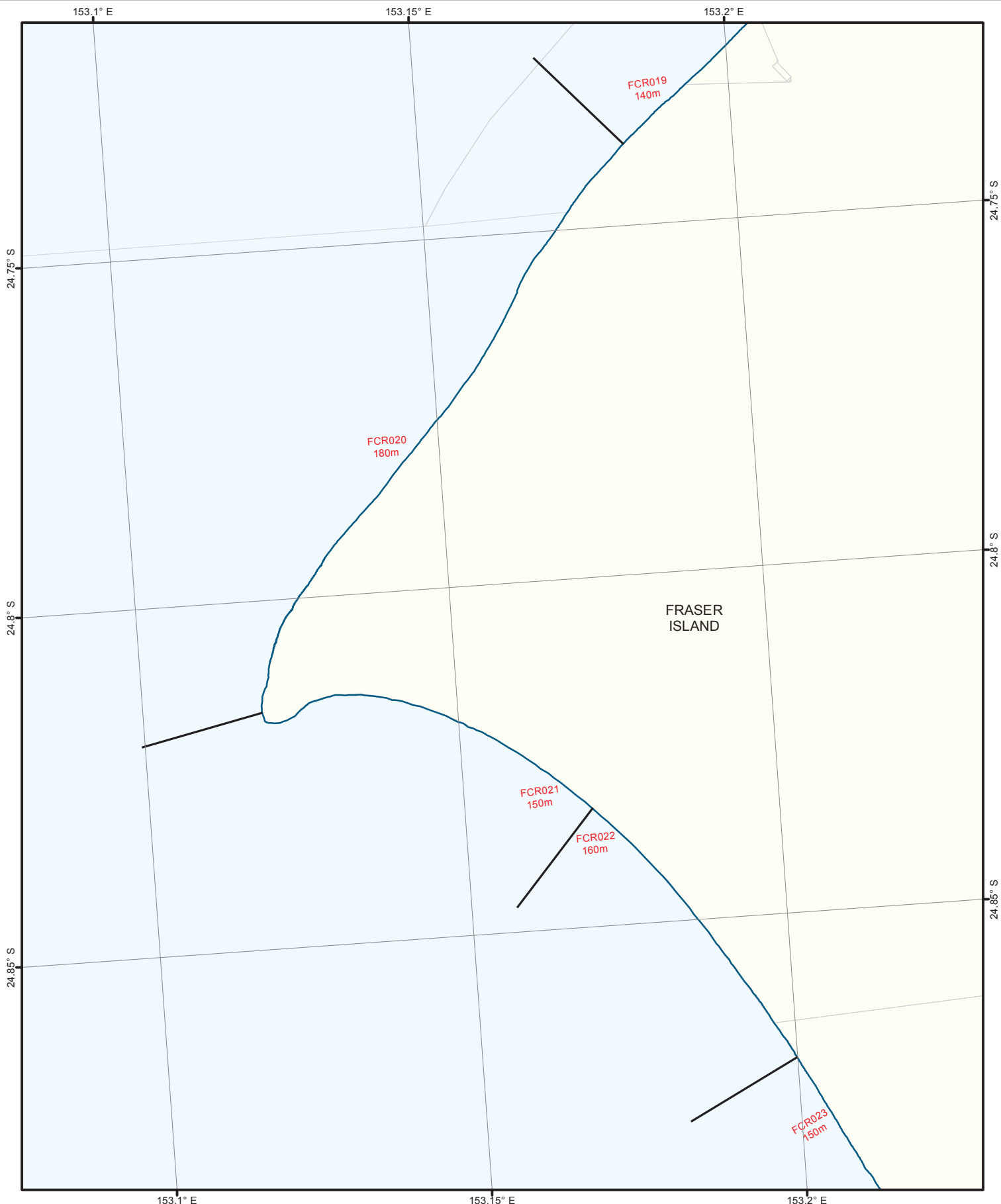
FCR006 Segment number and linear distance for erosion prone area

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Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

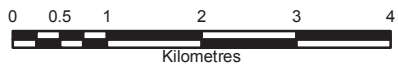
FCR3A Map 9

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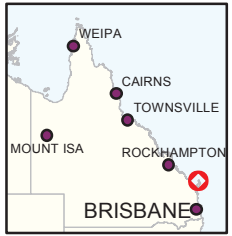
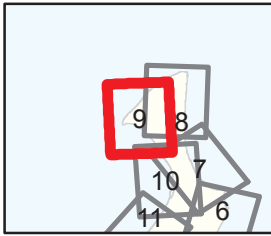
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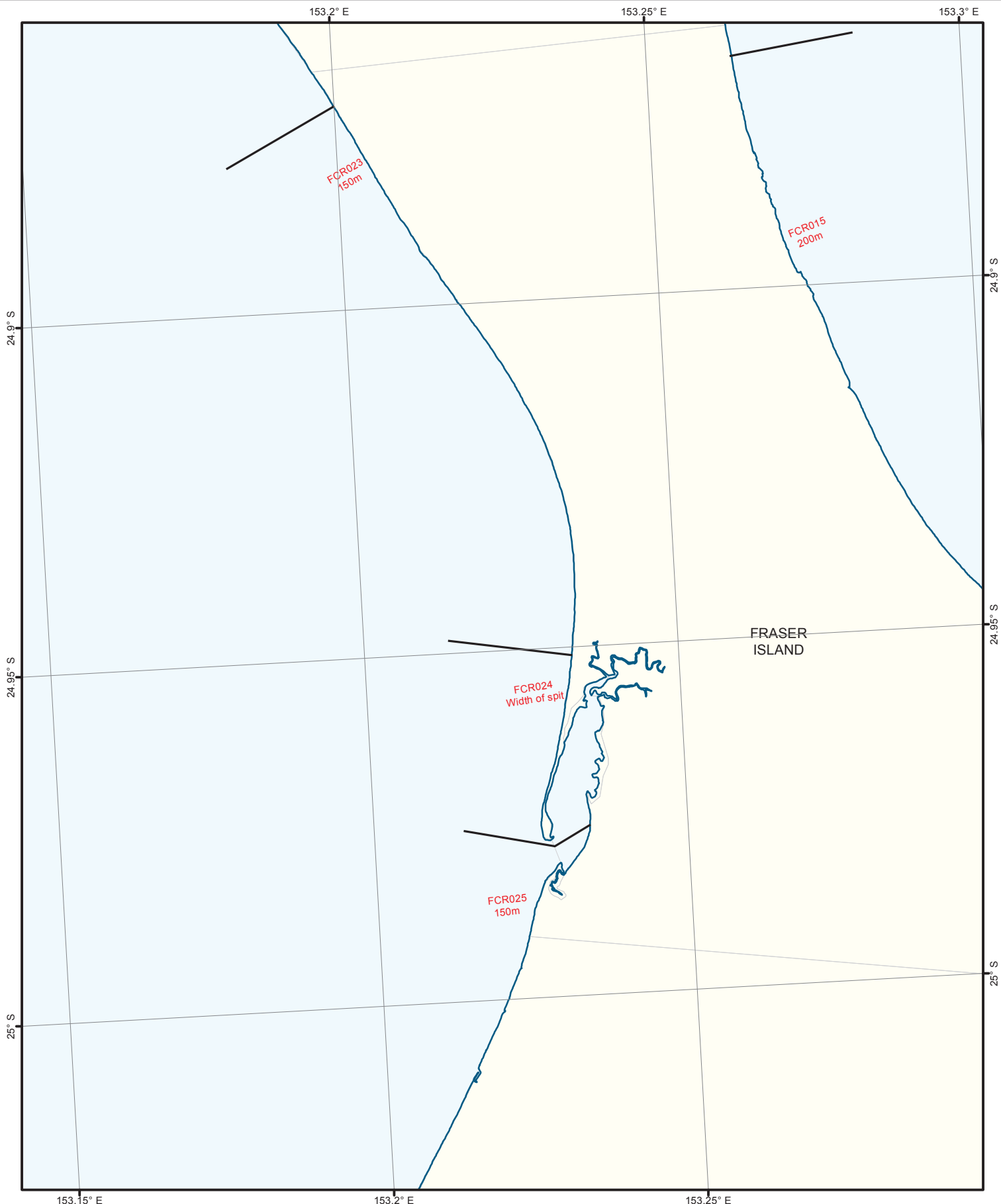
FCR006 Segment number and linear distance for erosion prone area

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Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

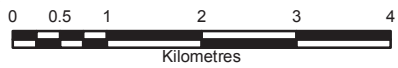
FCR3A Map 10

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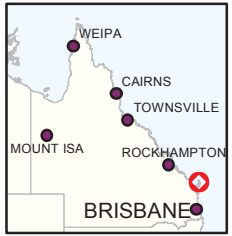
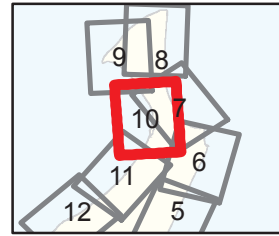
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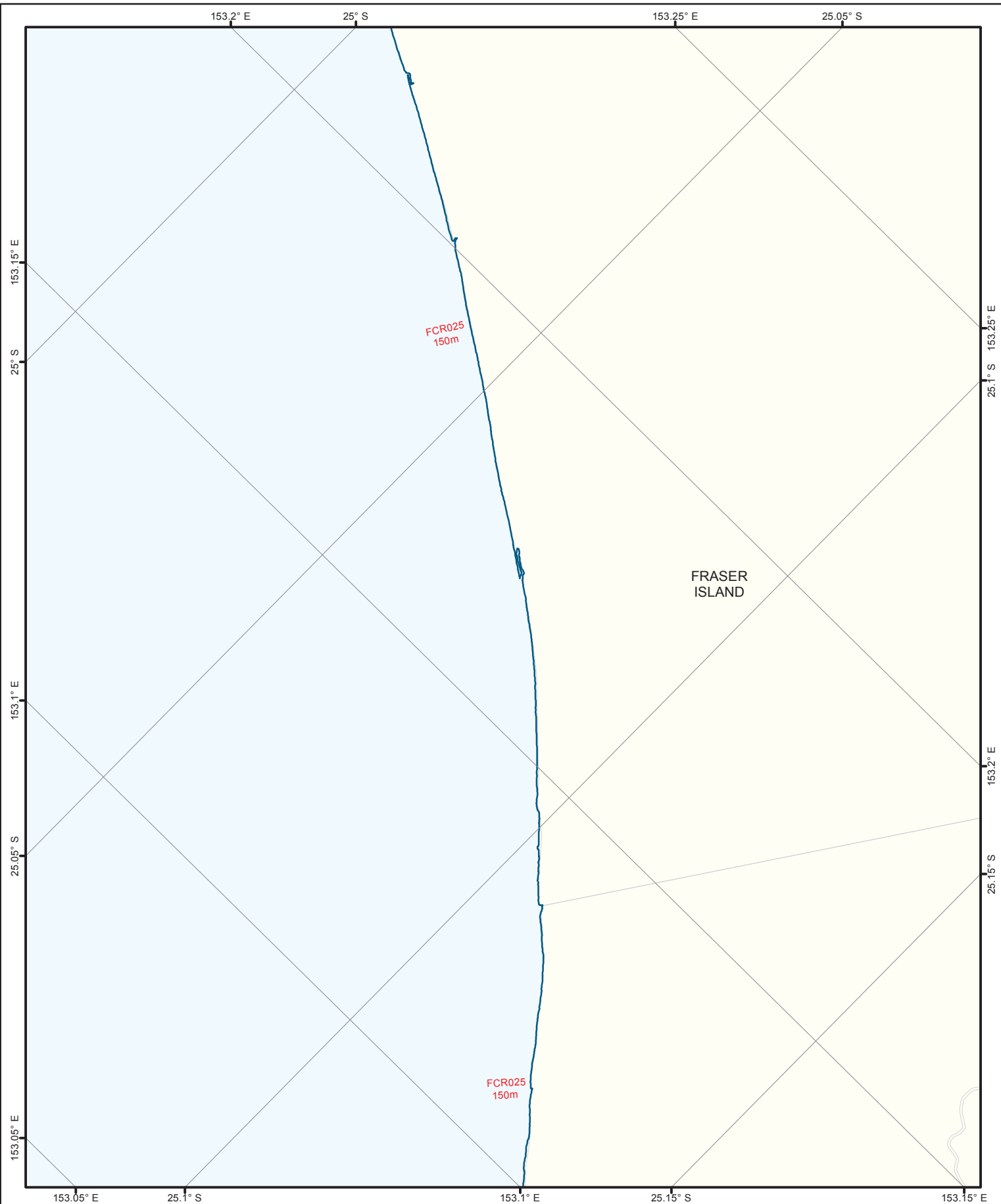
FCR006 Segment number and linear distance for erosion prone area

- Erosion Prone Area segment start/stop location
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- Cadastral boundaries



Projection: Albers. Datum: GDA 1994.









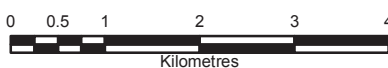
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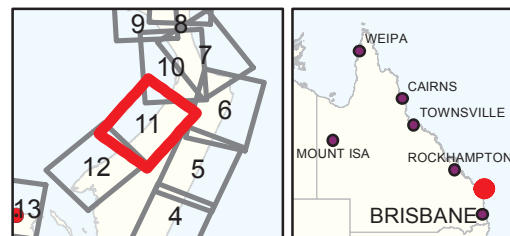
FCR006 Segment number and linear distance for erosion prone area

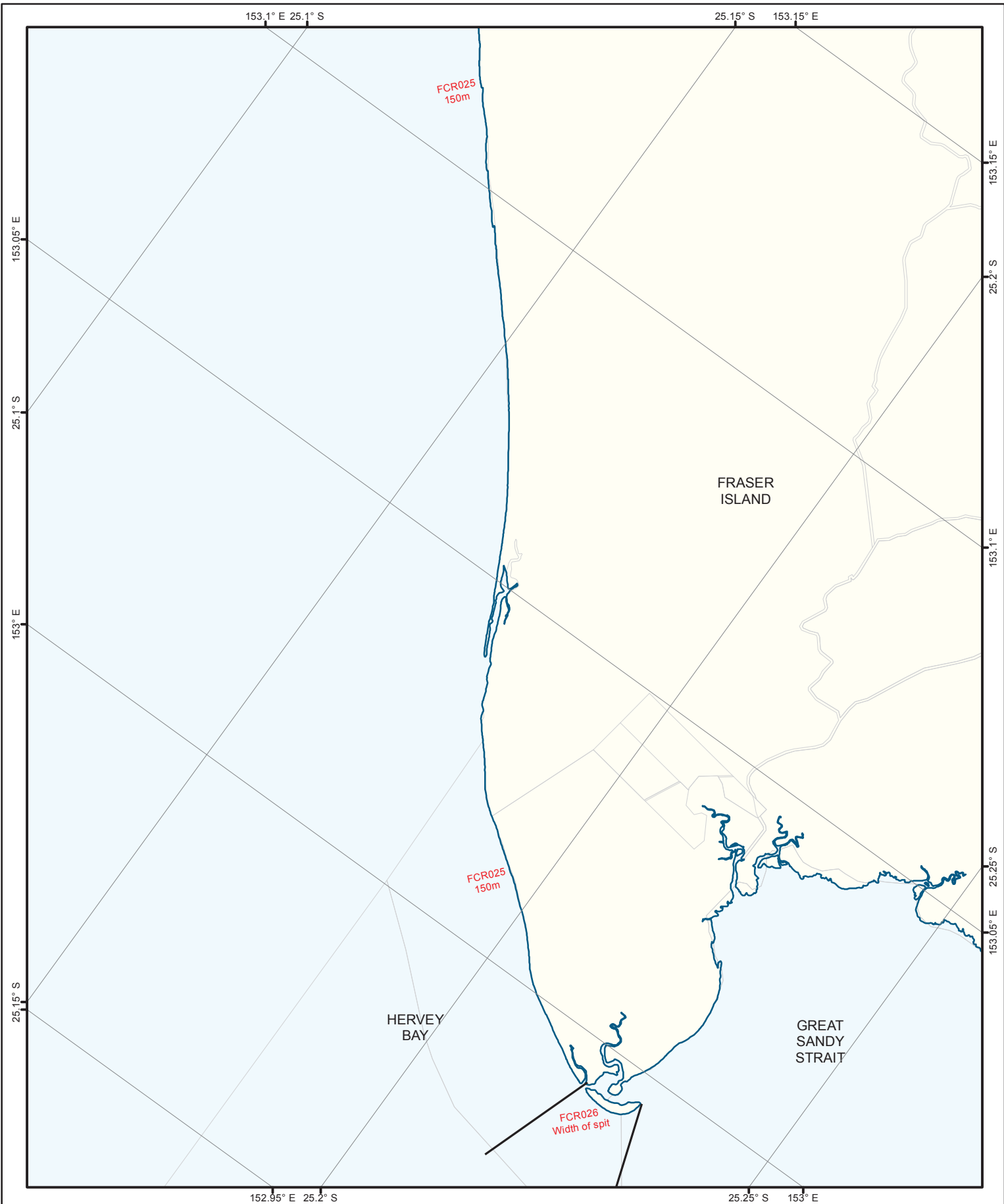
-  Erosion Prone Area segment start/stop location
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FCR3A Map 11

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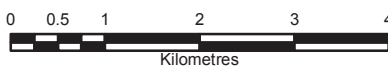
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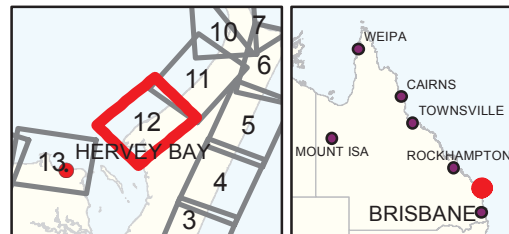
FCR006 Segment number and linear distance for erosion prone area

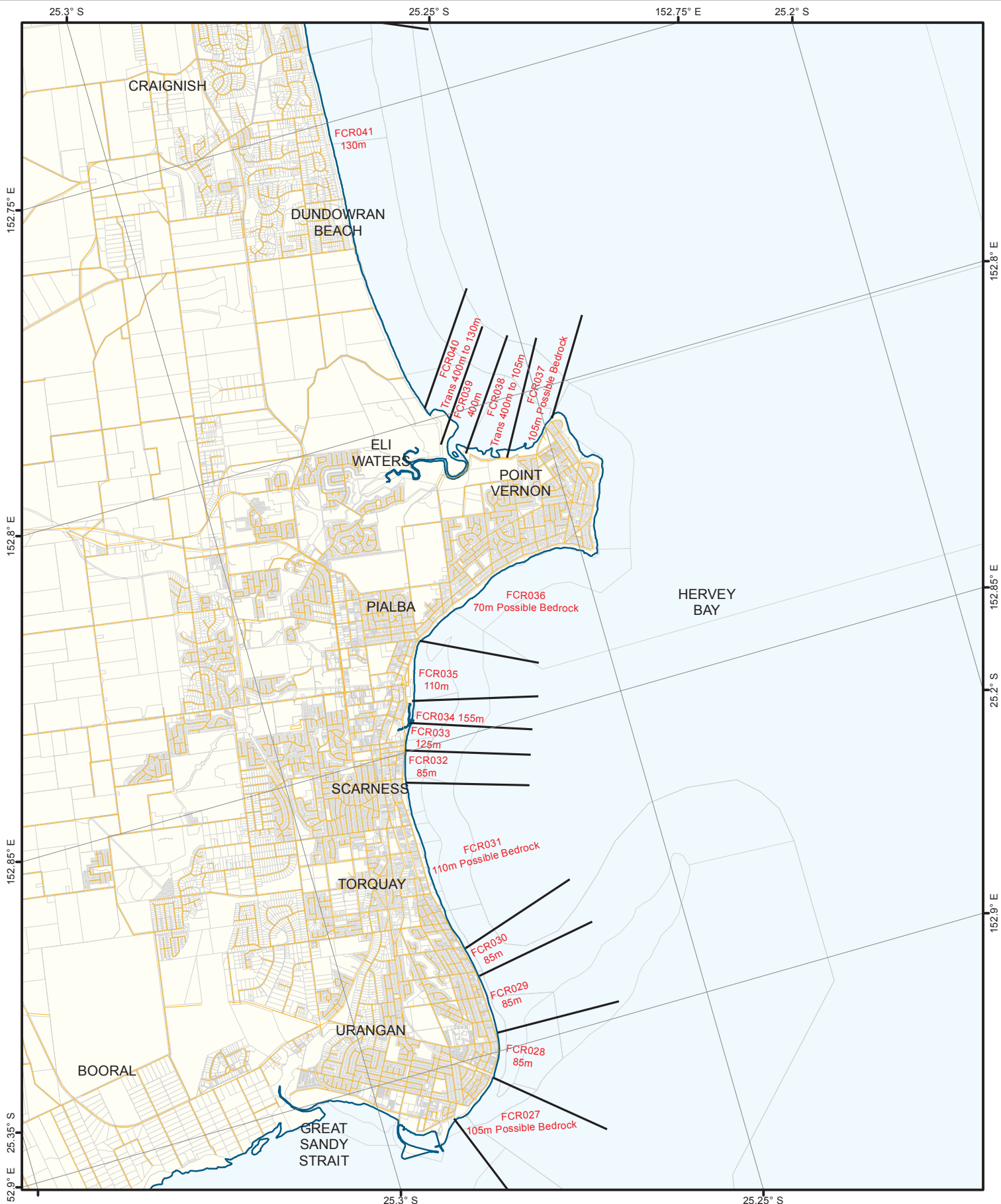
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



FCR3A Map 12

Projection: Albers. Datum: GDA 1994.





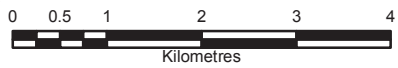
Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

Note:
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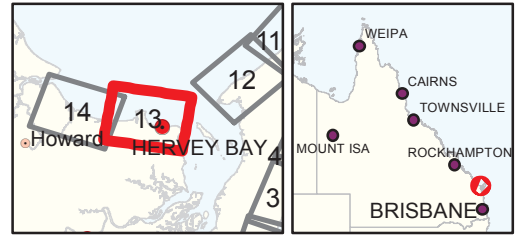
FCR006 Segment number and linear distance for erosion prone area

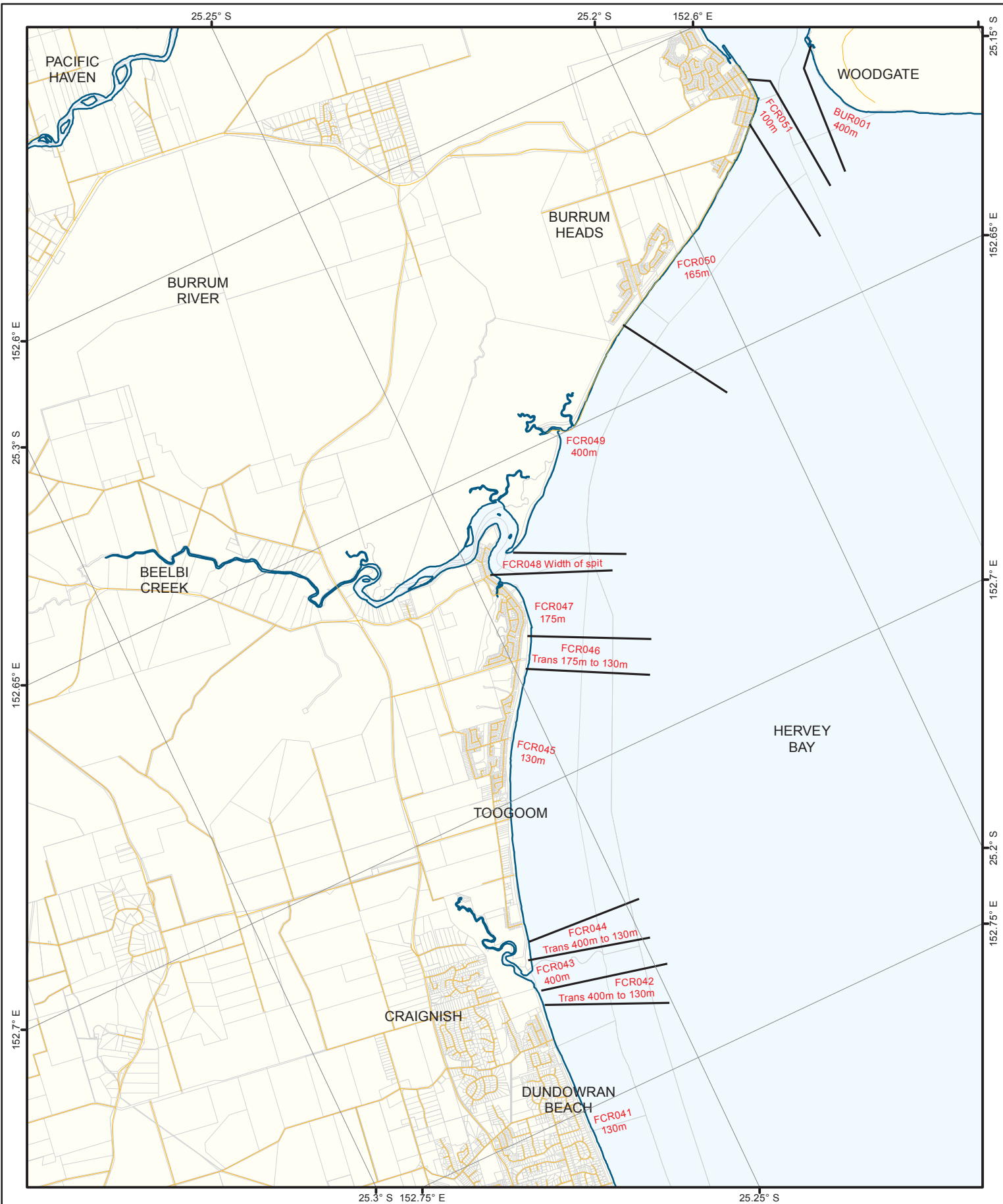
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



FCR3A Map 13

Projection: Albers. Datum: GDA 1994.





Erosion Prone Area Linear Distances and their Locations for Fraser Coast Region Local Government Area

Note:
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FCR006 Segment number and linear distance for erosion prone area

- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



FCR3A Map 14

Projection: Albers. Datum: GDA 1994.

