

Erosion Prone Area

Lockhart River Shire 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

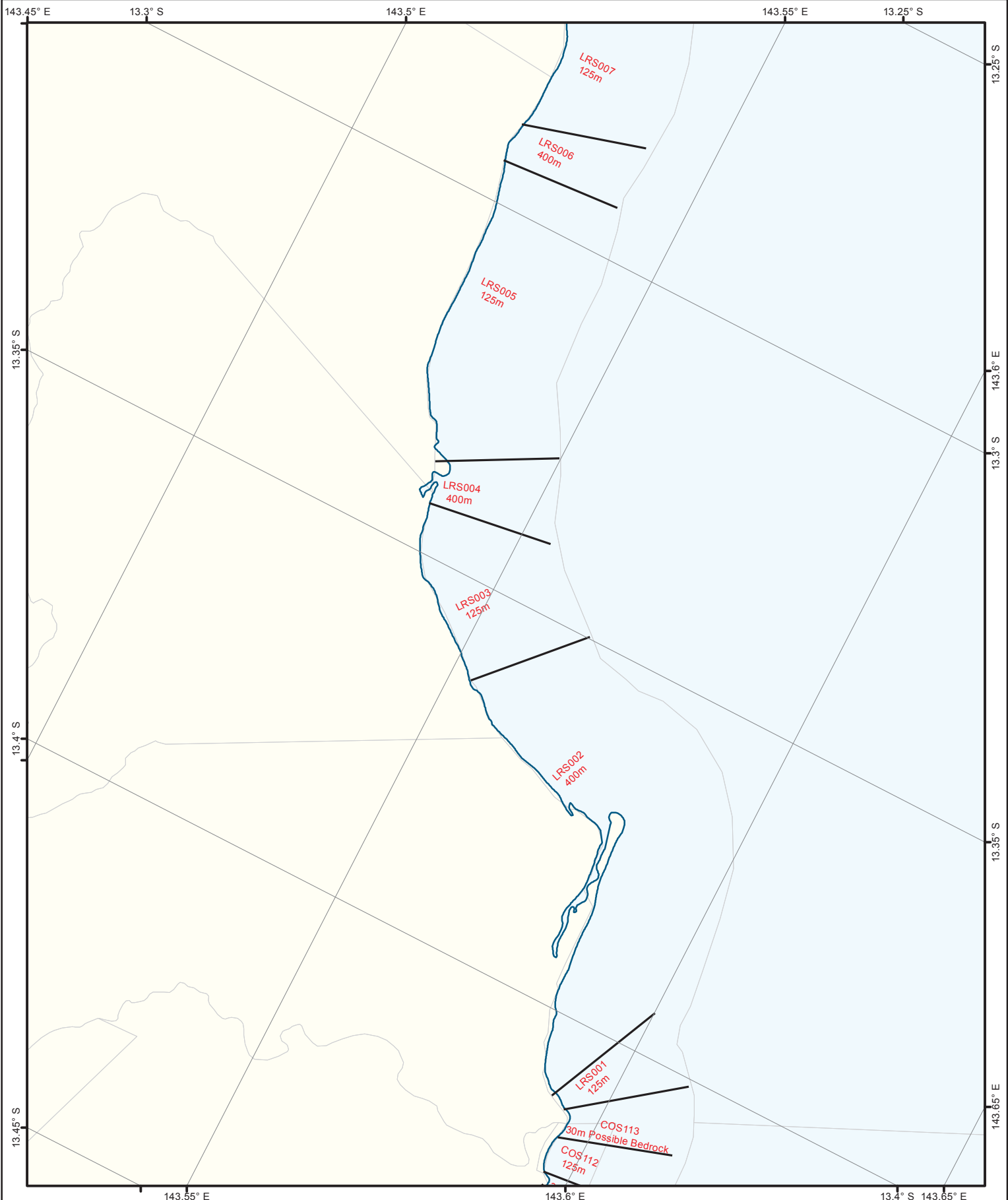
Date of Erosion Prone Area Amendment:

**Plan No:
LRS3A**

LRS3A 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)
LRS001	143.59459	-13.41224	143.59210	-13.41125	125m
LRS002	143.59210	-13.41125	143.55317	-13.36320	400m
LRS003	143.55317	-13.36320	143.53565	-13.34318	125m
LRS004	143.53565	-13.34318	143.53361	-13.33739	400m
LRS005	143.53361	-13.33739	143.52219	-13.29413	125m
LRS006	143.52219	-13.29413	143.52212	-13.28834	400m
LRS007	143.52212	-13.28834	143.51946	-13.26938	125m
LRS008	143.51946	-13.26938	143.51746	-13.24130	400m
LRS009	143.51746	-13.24130	143.51693	-13.21657	125m
LRS010	143.51693	-13.21657	143.50509	-13.08861	400m
LRS011	143.50509	-13.08861	143.51019	-13.06530	125m
LRS012	143.51019	-13.06530	143.51159	-13.05545	30m Possible Bedrock
LRS013	143.51159	-13.05545	143.51145	-13.05187	80m Possible Bedrock
LRS014	143.51145	-13.05187	143.50655	-13.04042	30m Possible Bedrock
LRS015	143.50655	-13.04042	143.50825	-13.03040	80m Possible Bedrock
LRS016	143.50825	-13.03040	143.51166	-13.02481	95m
LRS017	143.51166	-13.02481	143.51338	-13.01051	125m
LRS018	143.51338	-13.01051	143.51320	-13.00717	0m
LRS019	143.51320	-13.00717	143.50434	-12.98769	95m
LRS020	143.50434	-12.98769	143.50748	-12.97908	400m
LRS021	143.50748	-12.97908	143.51012	-12.97312	125m
LRS022	143.51012	-12.97312	143.50236	-12.95832	95m
LRS023	143.50236	-12.95832	143.49783	-12.95201	125m
LRS024	143.49783	-12.95201	143.50767	-12.91933	400m
LRS025	143.50767	-12.91933	143.53154	-12.87162	125m
LRS026	143.53154	-12.87162	143.53127	-12.86820	0m
LRS027	143.53127	-12.86820	143.53921	-12.84992	125m
LRS028	143.53921	-12.84992	143.54250	-12.84366	0m
LRS029	143.54250	-12.84366	143.54079	-12.84251	110m
LRS030	143.54079	-12.84251	143.53648	-12.84094	0m
LRS031	143.53648	-12.84094	143.53531	-12.84039	95m
LRS032	143.53531	-12.84039	143.53294	-12.84085	0m
LRS033	143.53294	-12.84085	143.53085	-12.84333	80m Possible Bedrock
LRS034	143.53085	-12.84333	143.46209	-12.86151	400m

LRS035	143.46209	-12.86151	143.45737	-12.85634	95m
LRS036	143.45737	-12.85634	143.45630	-12.85567	0m
LRS037	143.45630	-12.85567	143.45409	-12.85383	110m
LRS038	143.45409	-12.85383	143.44476	-12.85062	0m
LRS039	143.44476	-12.85062	143.43736	-12.85292	95m
LRS040	143.43736	-12.85292	143.35928	-12.83440	400m
LRS041	143.35928	-12.83440	143.36018	-12.79475	125m



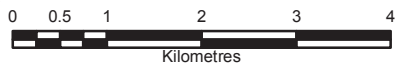
Erosion Prone Area Linear Distances and their Locations for Lockhart River Shire Local Government Area

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.

Disclaimer:
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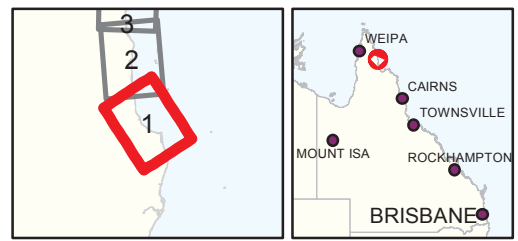
LRS006 Segment number and linear distance for erosion prone area
100m

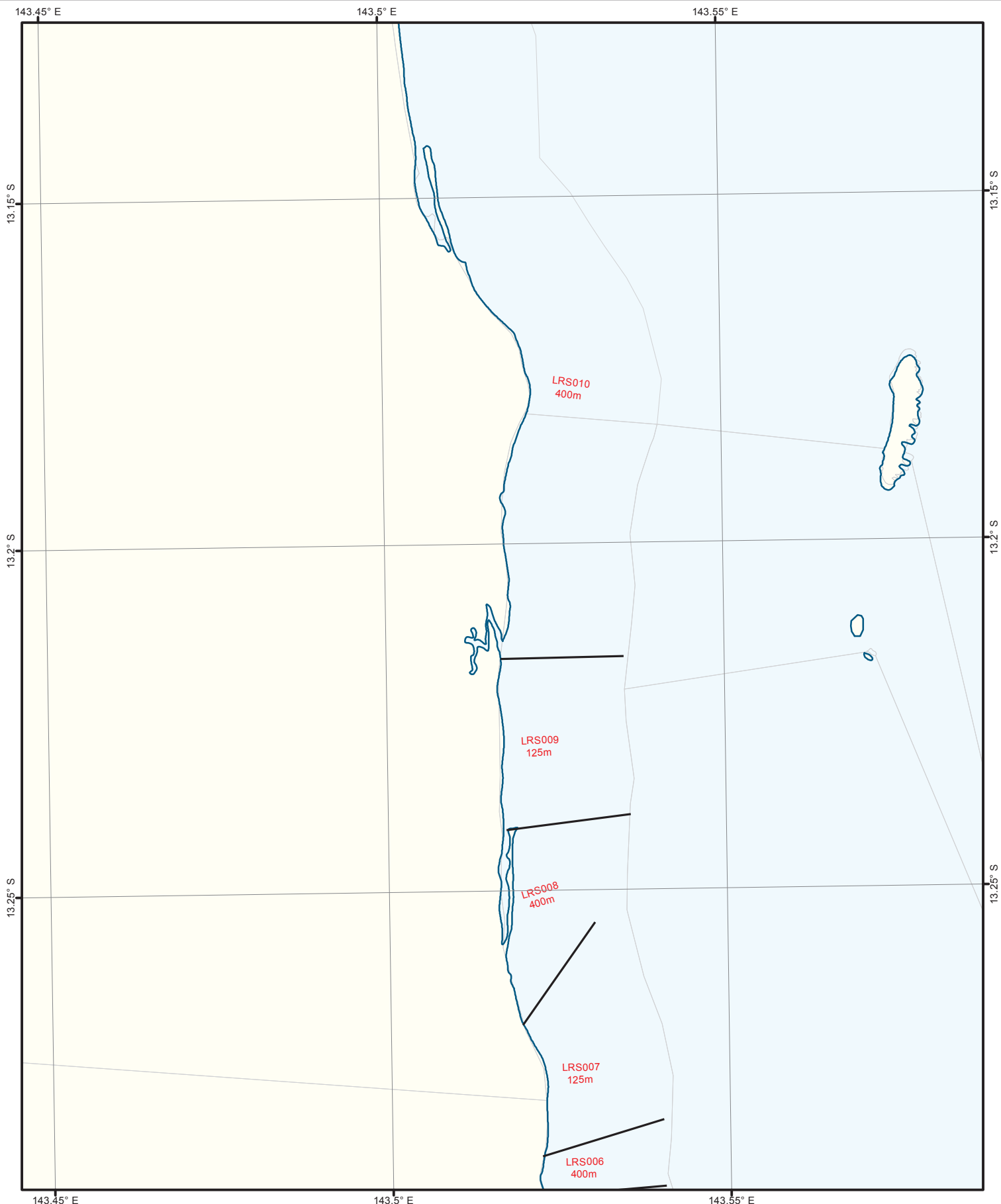
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



LRS3A Map 1

Projection: Albers. Datum: GDA 1994.





Erosion Prone Area Linear Distances and their Locations for Lockhart River Shire Local Government Area

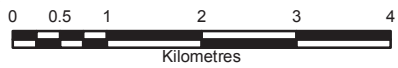
LRS3A Map 2

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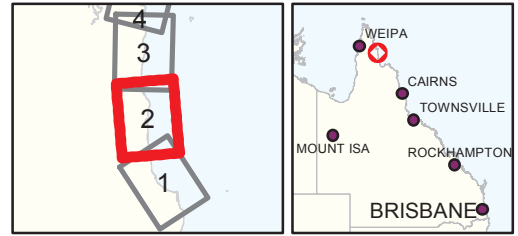
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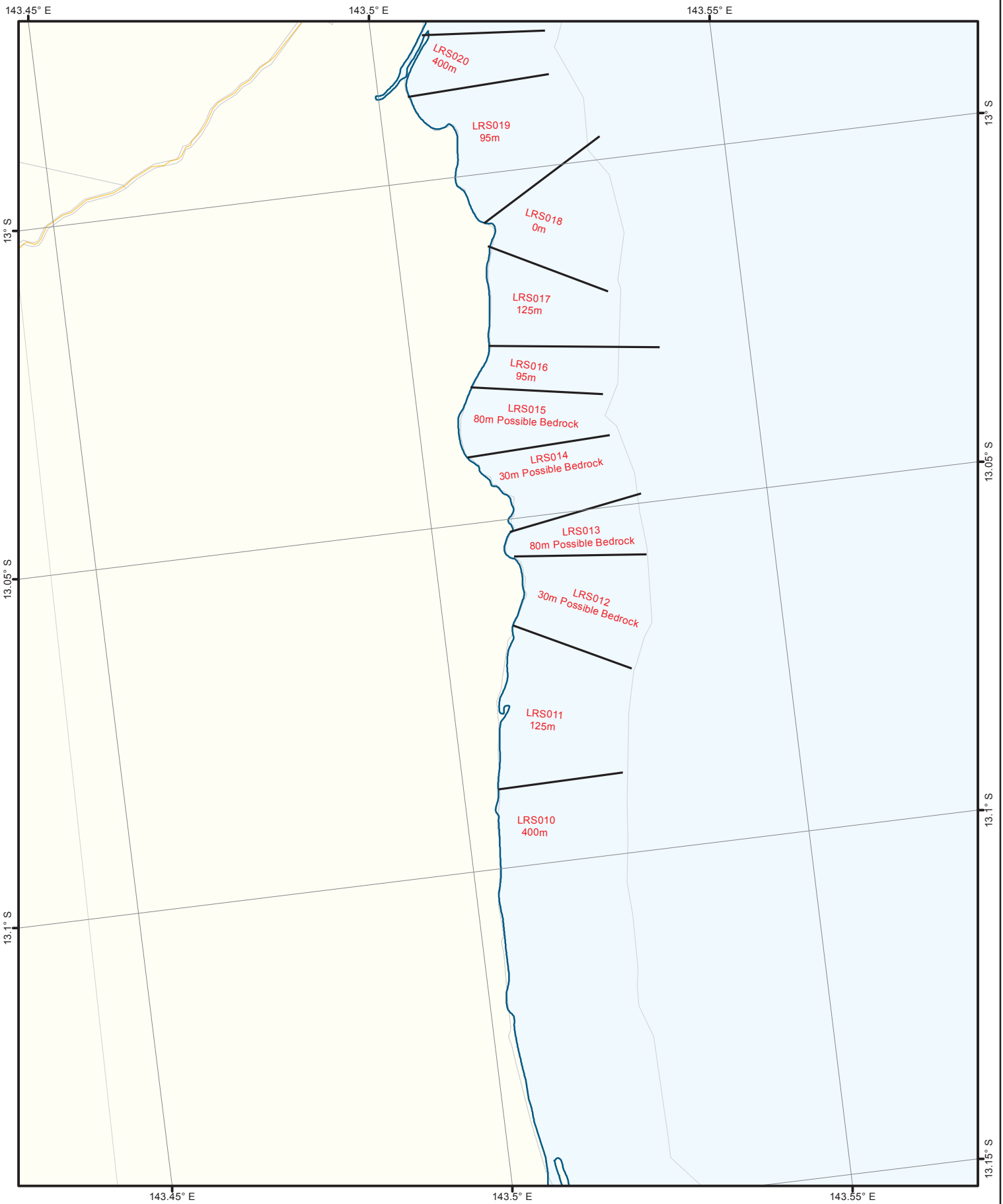
LRS006 Segment number and linear distance for erosion prone area
100m

- Erosion Prone Area segment start/stop location
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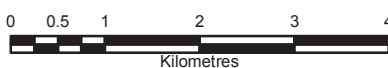
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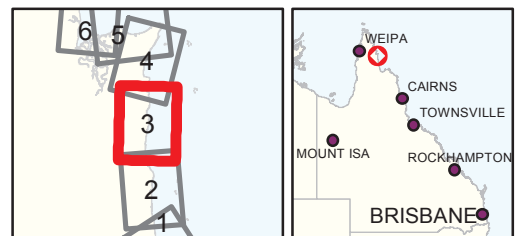
LRS006 Segment number and linear distance for erosion prone area

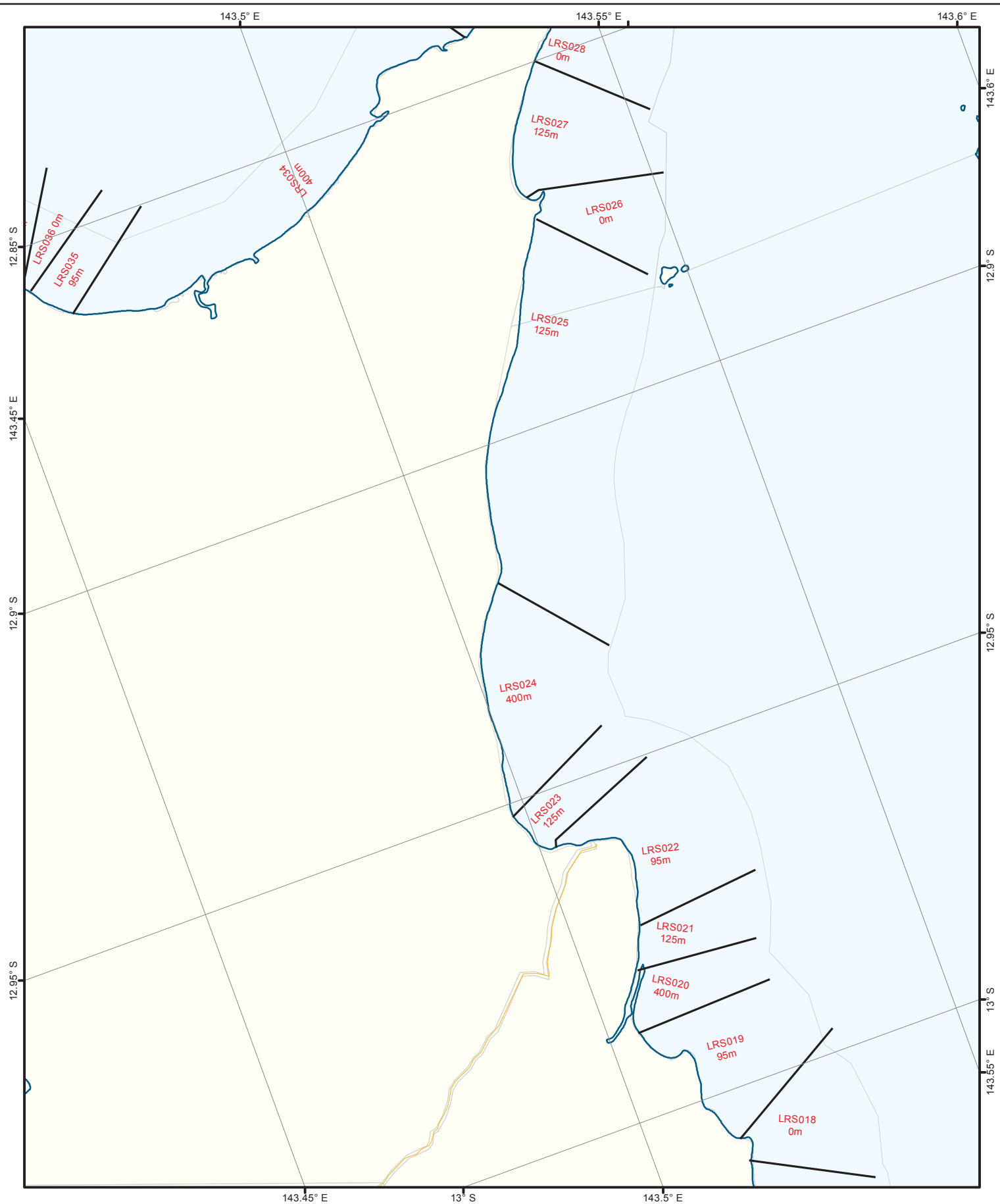
- Erosion Prone Area segment start/stop location
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LRS3A Map 3

Projection: Albers. Datum: GDA 1994.





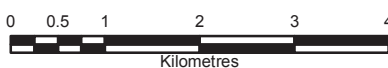
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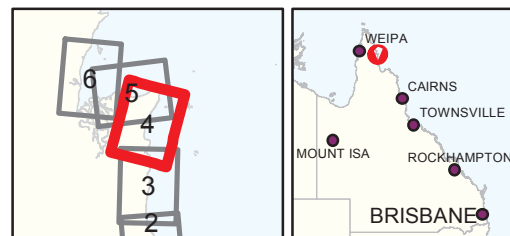
LRS006 Segment number and linear distance for erosion prone area

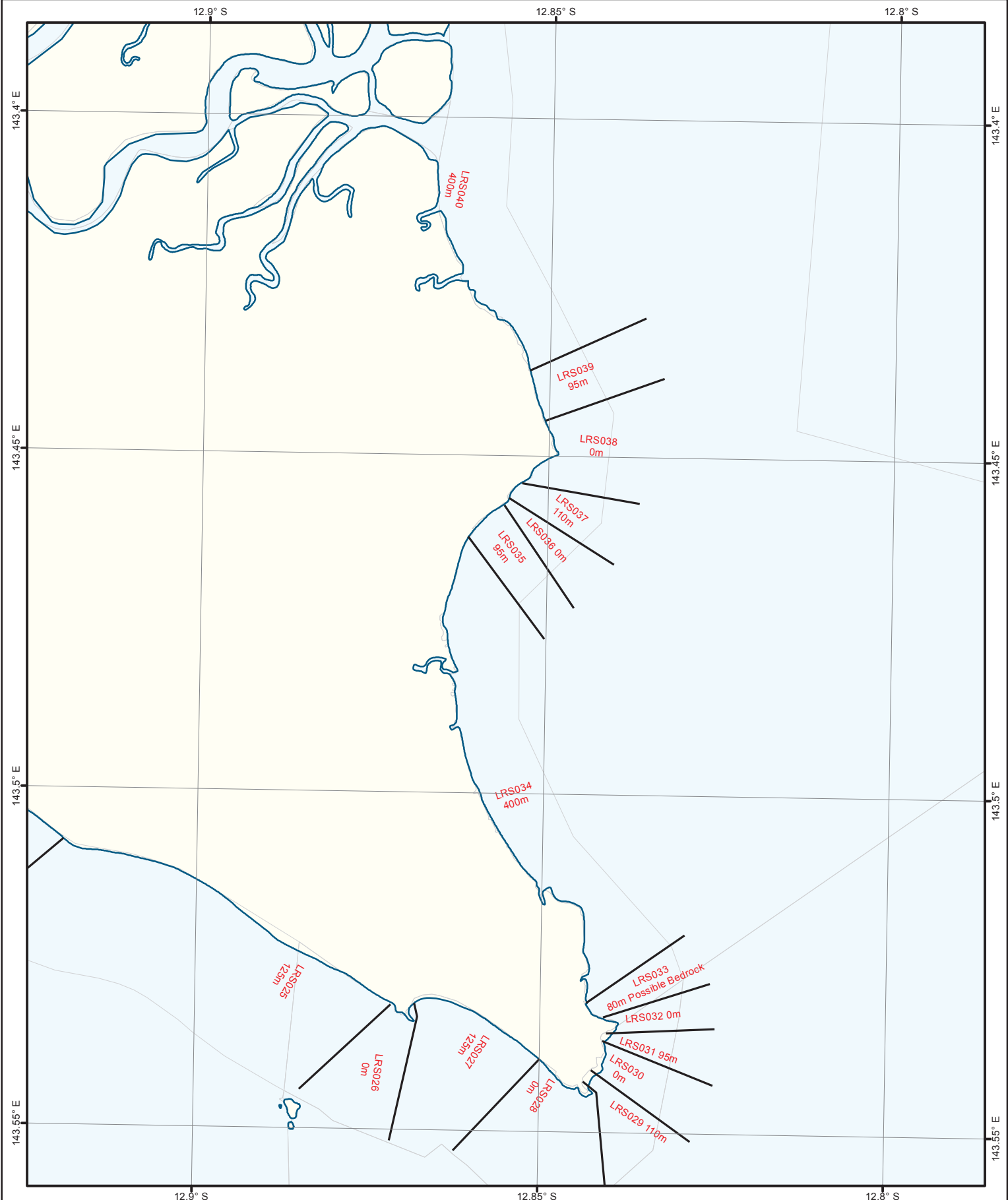
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



LRS3A Map 4

Projection: Albers. Datum: GDA 1994.





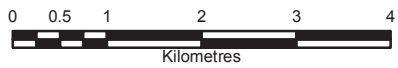
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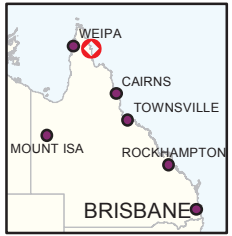
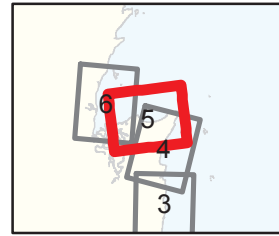
LRS006 Segment number and linear distance for erosion prone area

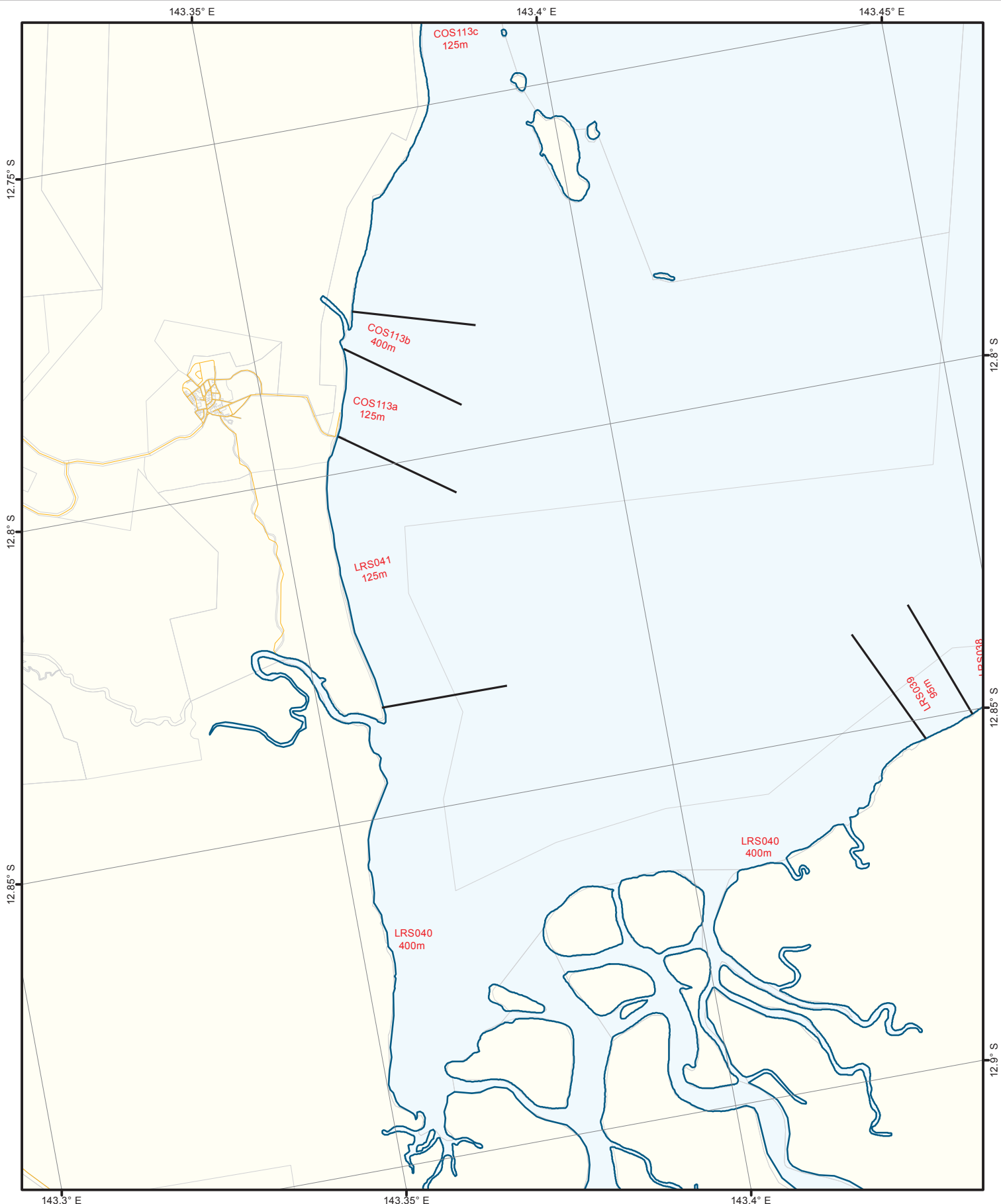
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



LRS3A Map 5

Projection: Albers. Datum: GDA 1994.





Erosion Prone Area Linear Distances and their Locations for Lockhart River Shire Local Government Area

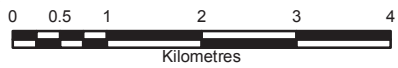
LRS3A Map 6

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LRS006 Segment number and linear distance for erosion prone area
100m

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



Projection: Albers. Datum: GDA 1994.

