

Erosion Prone Area

Isaac 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

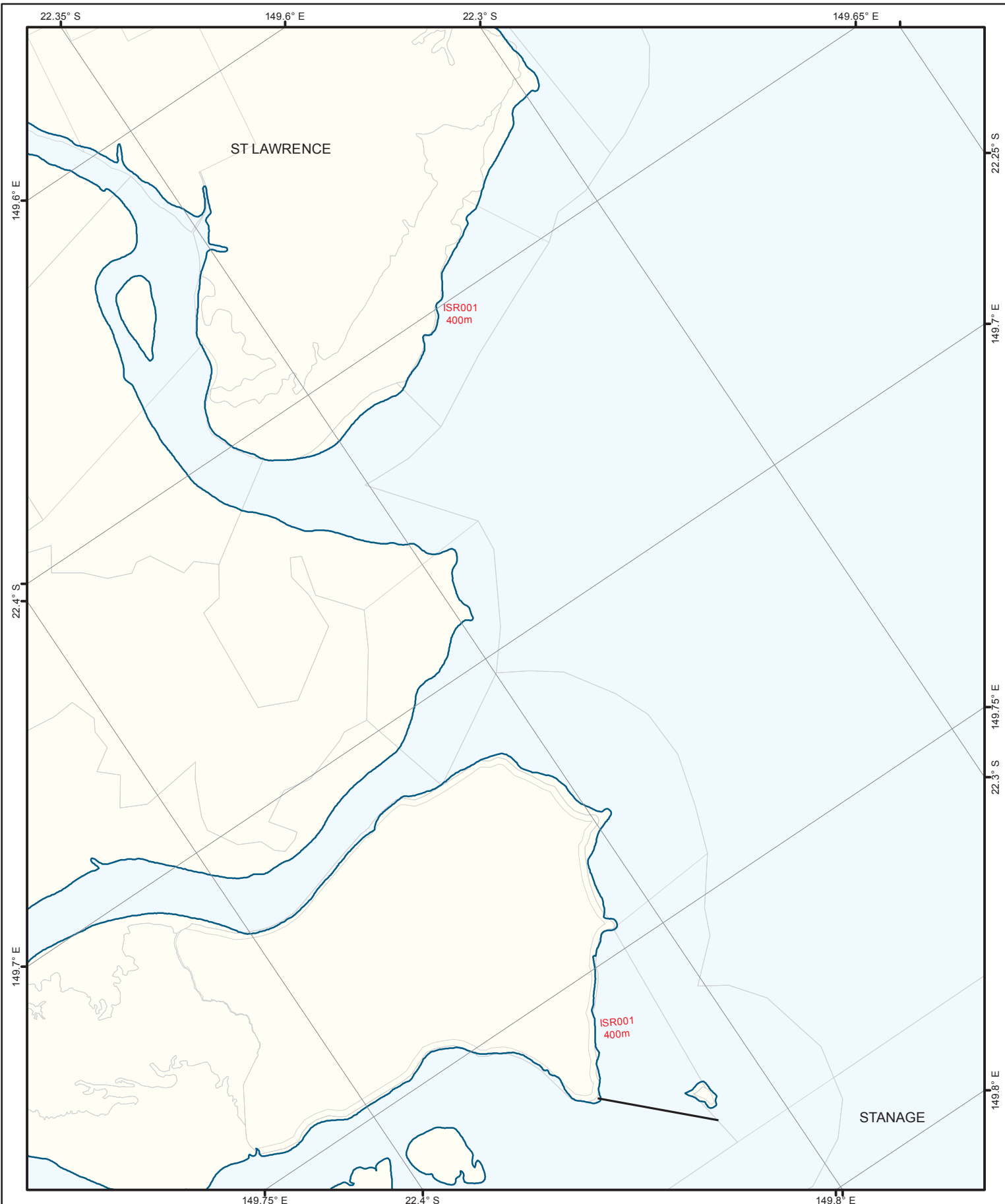
Date of Erosion Prone Area Amendment:

**Plan No:
ISR3A**

ISR3A 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)
ISR001	149.76717	-22.37189	149.60057	-22.26213	400m
ISR002	149.60057	-22.26213	149.58676	-22.24965	75m Possible Bedrock
ISR003	149.58676	-22.24965	149.57036	-22.22525	400m
ISR004	149.57036	-22.22525	149.56075	-22.19316	135m
ISR005	149.56075	-22.19316	149.55505	-22.18718	400m
ISR006	149.55505	-22.18718	149.55976	-22.18093	135m
ISR007	149.55976	-22.18093	149.56147	-22.17961	75m Possible Bedrock
ISR008	149.56147	-22.17961	149.56552	-22.17397	130m
ISR009	149.56552	-22.17397	149.56473	-22.17152	0m
ISR010	149.56473	-22.17152	149.55356	-22.14220	135m
ISR011	149.55356	-22.14220	149.54935	-22.13854	75m Possible Bedrock
ISR012	149.54935	-22.13854	149.54407	-22.13590	400m
ISR013	149.54407	-22.13590	149.53979	-22.12604	135m
ISR014	149.53979	-22.12604	149.53878	-22.12323	400m
ISR015	149.53878	-22.12323	149.52110	-22.09103	130m
ISR016	149.52110	-22.09103	149.52056	-22.08771	400m
ISR017	149.52056	-22.08771	149.51788	-22.08129	135m
ISR018	149.51788	-22.08129	149.51646	-22.05299	400m
ISR019	149.51646	-22.05299	149.51845	-22.03442	135m
ISR020	149.51845	-22.03442	149.52133	-22.02898	400m
ISR021	149.52133	-22.02898	149.48721	-21.98589	135m
ISR022	149.48721	-21.98589	149.48326	-21.97524	400m
ISR023	149.48326	-21.97524	149.48308	-21.96927	140m
ISR024	149.48308	-21.96927	149.48295	-21.96455	400m
ISR025	149.48295	-21.96455	149.48300	-21.95987	140m
ISR026	149.48300	-21.95987	149.47940	-21.95687	400m
ISR027	149.47940	-21.95687	149.46908	-21.93234	130m
ISR028	149.46908	-21.93234	149.46530	-21.92520	400m
ISR029	149.46530	-21.92520	149.46382	-21.91041	135m
ISR030	149.46382	-21.91041	149.46194	-21.88187	400m
ISR031	149.46194	-21.88187	149.46982	-21.84219	155m
ISR032	149.46982	-21.84219	149.46901	-21.84008	0m
ISR033	149.46901	-21.84008	149.45982	-21.82800	400m
ISR034	149.45982	-21.82800	149.45286	-21.81905	135m
ISR035	149.45286	-21.81905	149.43295	-21.79495	400m
ISR036	149.43295	-21.79495	149.43354	-21.76831	135m
ISR037	149.43354	-21.76831	149.43691	-21.74546	400m
ISR038	149.43691	-21.74546	149.45191	-21.73419	135m
ISR039	149.45191	-21.73419	149.45794	-21.72825	400m
ISR040	149.45794	-21.72825	149.46812	-21.73652	75m Possible Bedrock
ISR041	149.46812	-21.73652	149.47349	-21.73922	120m
ISR042	149.47349	-21.73922	149.47779	-21.74338	75m Possible Bedrock
ISR043	149.47779	-21.74338	149.47985	-21.73211	160m

ISR044	149.47985	-21.73211	149.47978	-21.72994	0m
ISR045	149.47978	-21.72994	149.47616	-21.72983	75m Possible Bedrock
ISR046	149.47616	-21.72983	149.47220	-21.72834	400m
ISR047	149.47220	-21.72834	149.47137	-21.72643	Trans 400m to 135m
ISR048	149.47137	-21.72643	149.47293	-21.71442	135m
ISR049	149.47293	-21.71442	149.47323	-21.71342	Trans 135m to 0m
ISR050	149.47323	-21.71342	149.47174	-21.71198	0m
ISR051	149.47174	-21.71198	149.46414	-21.71199	75m Possible Bedrock
ISR052	149.46414	-21.71199	149.45532	-21.70311	400m
ISR053	149.45532	-21.70311	149.45325	-21.69326	160m
ISR054	149.45325	-21.69326	149.45341	-21.68699	400m
ISR055	149.45341	-21.68699	149.45358	-21.67821	135m
ISR056	149.45358	-21.67821	149.44957	-21.67227	75m Possible Bedrock
ISR057	149.44957	-21.67227	149.44340	-21.66436	120m
ISR058	149.44340	-21.66436	149.44685	-21.66218	400m
ISR059	149.44685	-21.66218	149.44215	-21.65701	75m Possible Bedrock
ISR060	149.43999	-21.63283	149.44215	-21.65701	160m
ISR061	149.49899	-21.83264	149.48317	-21.81977	160m
ISR062	149.48317	-21.81977	149.48646	-21.82041	75m Possible Bedrock
ISR063	149.48646	-21.82041	149.49200	-21.82138	145m
ISR064	149.49200	-21.82138	149.49742	-21.82636	75m Possible Bedrock
ISR065	149.49742	-21.82636	149.49884	-21.82950	145m
ISR066	149.49884	-21.82950	149.49899	-21.83264	0m







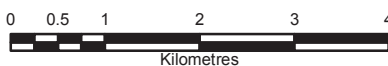
Erosion Prone Area Linear Distances and their Locations for Isaac Region Local Government Area

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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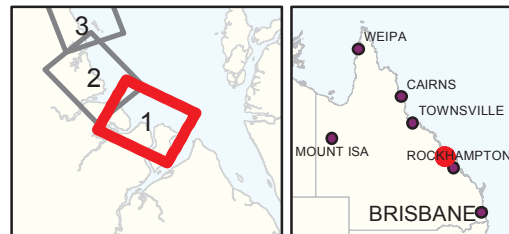
ISR006 Segment number and linear distance for erosion prone area

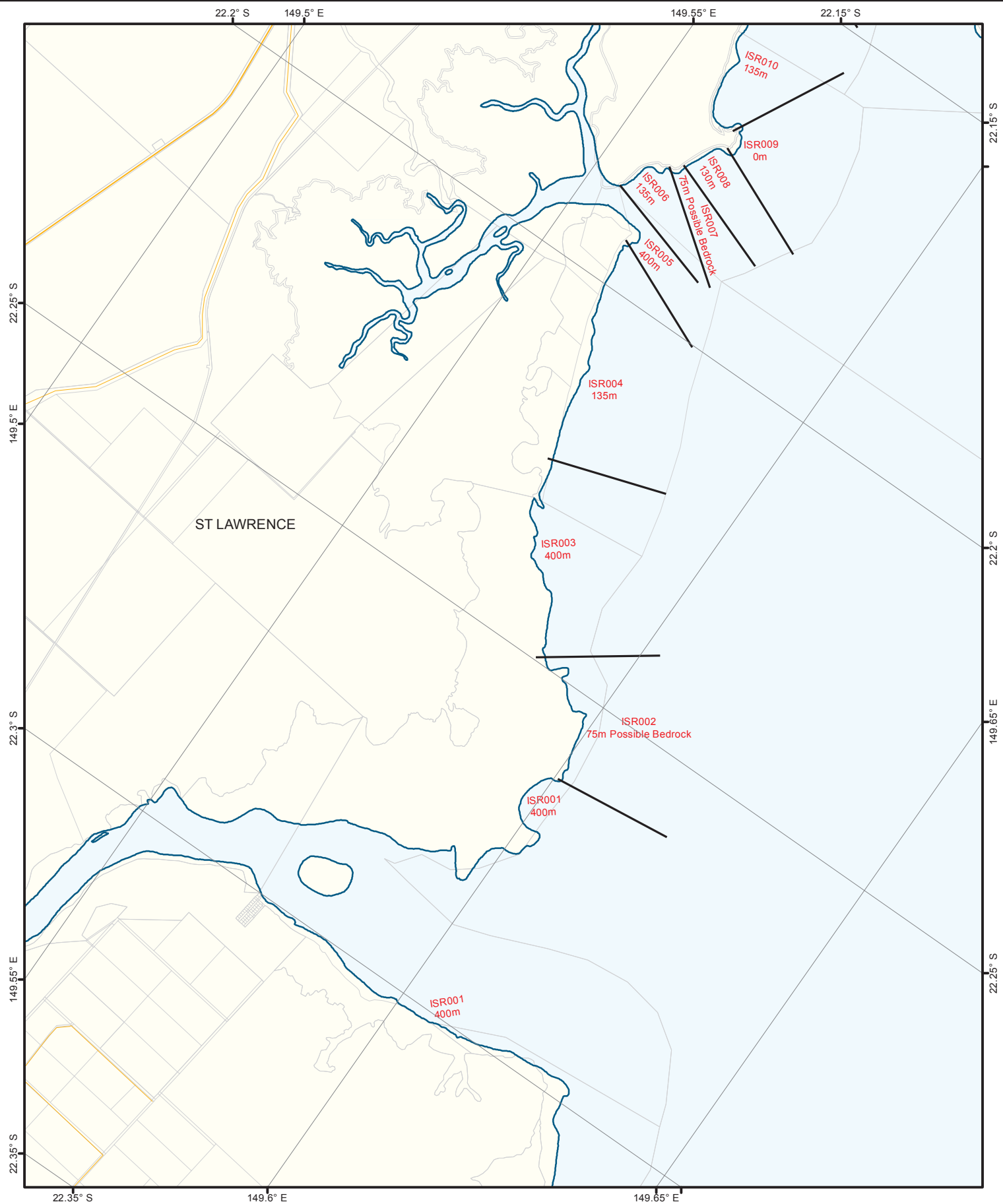
-  Erosion Prone Area segment start/stop location
-  Roads
-  Queensland coast
-  Cadastral boundaries



ISR3A Map 1

Projection: Albers. Datum: GDA 1994.





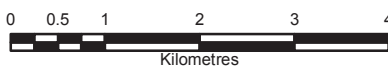
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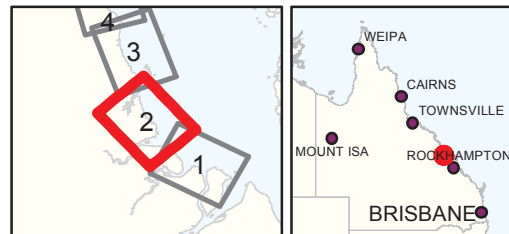
ISR006 Segment number and linear distance for erosion prone area

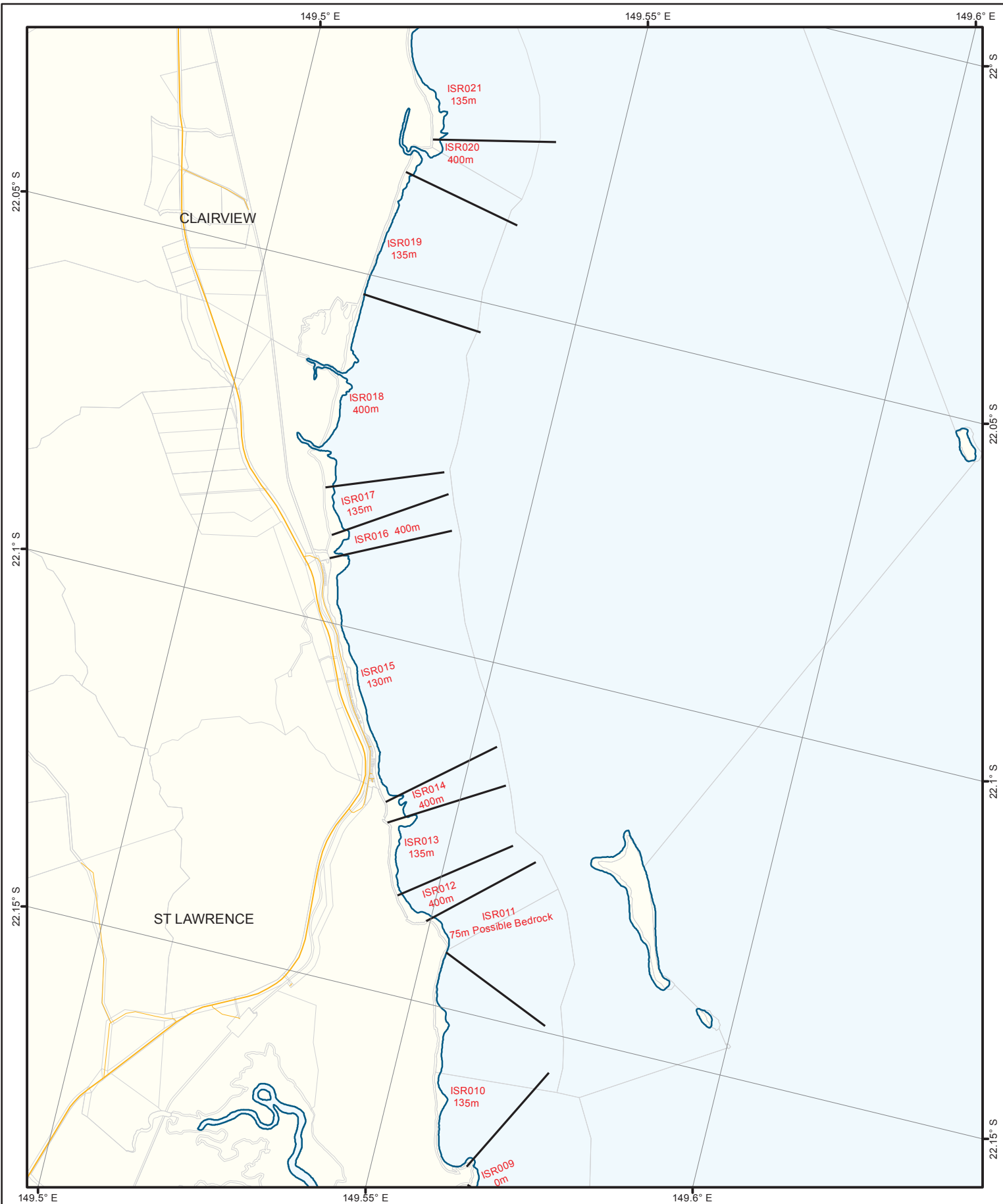
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



ISR3A Map 2

Projection: Albers. Datum: GDA 1994.





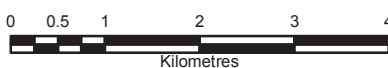
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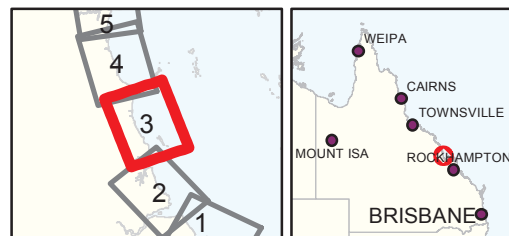
ISR006 Segment number and linear distance for erosion prone area

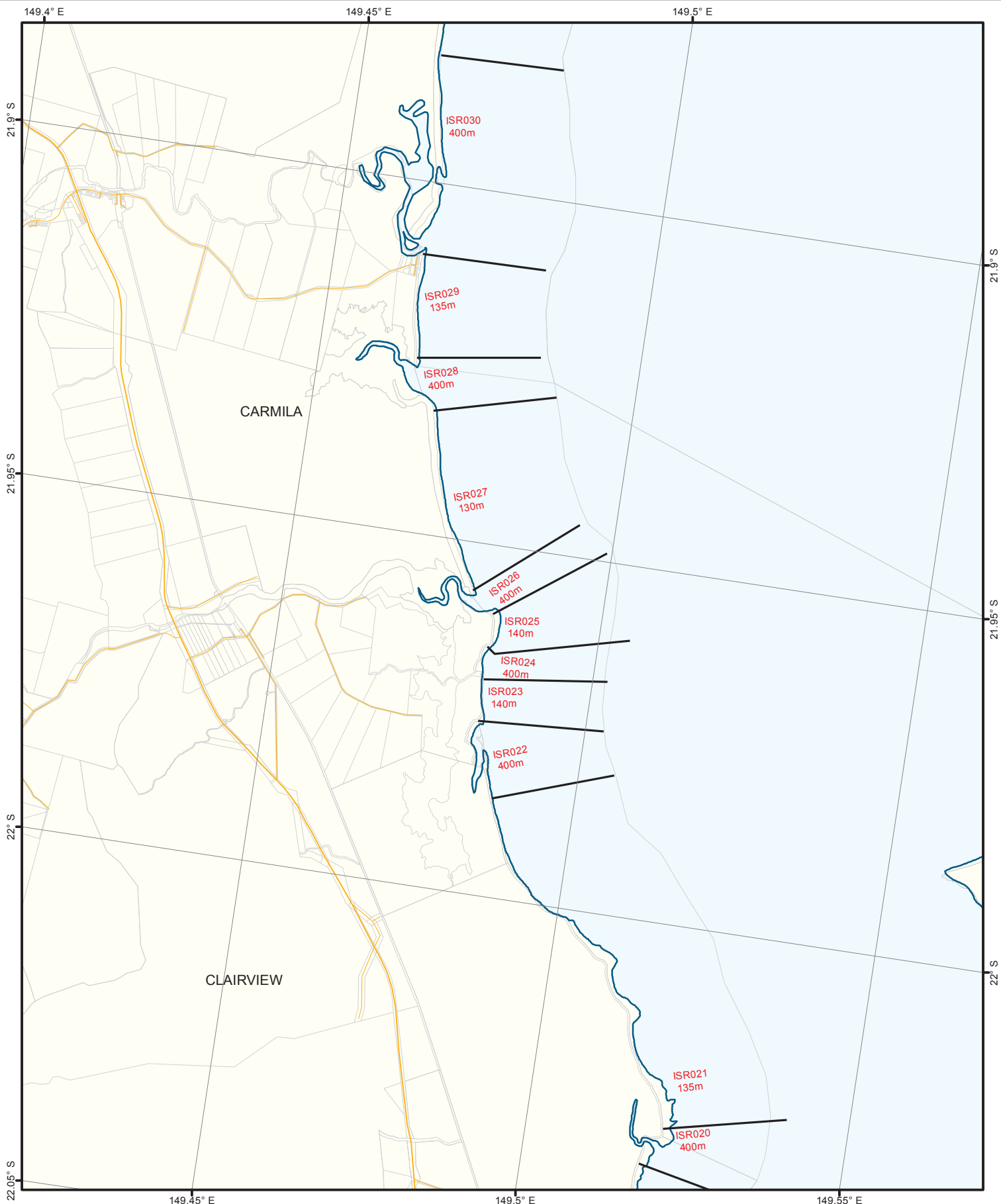
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



ISR3A Map 3

Projection: Albers. Datum: GDA 1994.





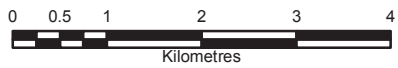
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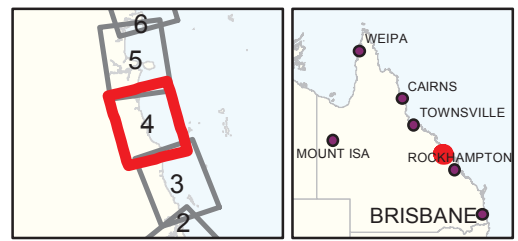
IsR006 Segment number and linear distance for erosion prone area

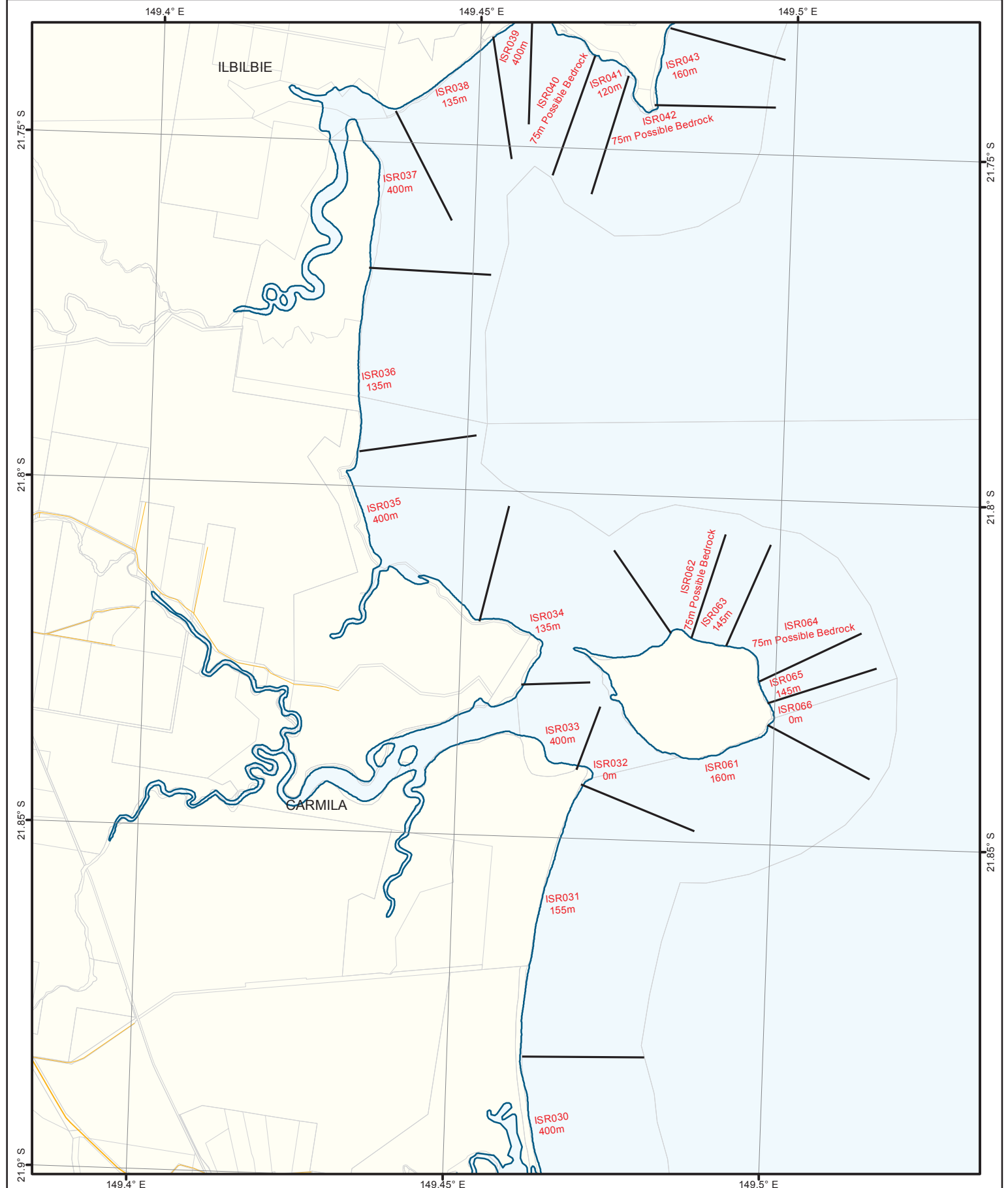
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



ISR3A Map 4

Projection: Albers. Datum: GDA 1994.





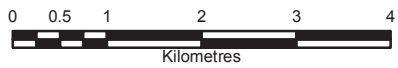
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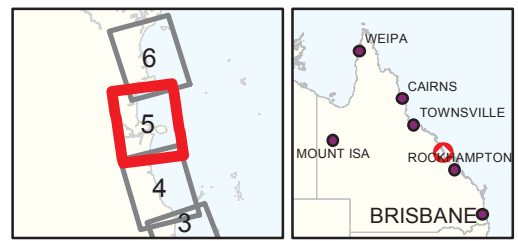
ISR006 Segment number and linear distance for erosion prone area

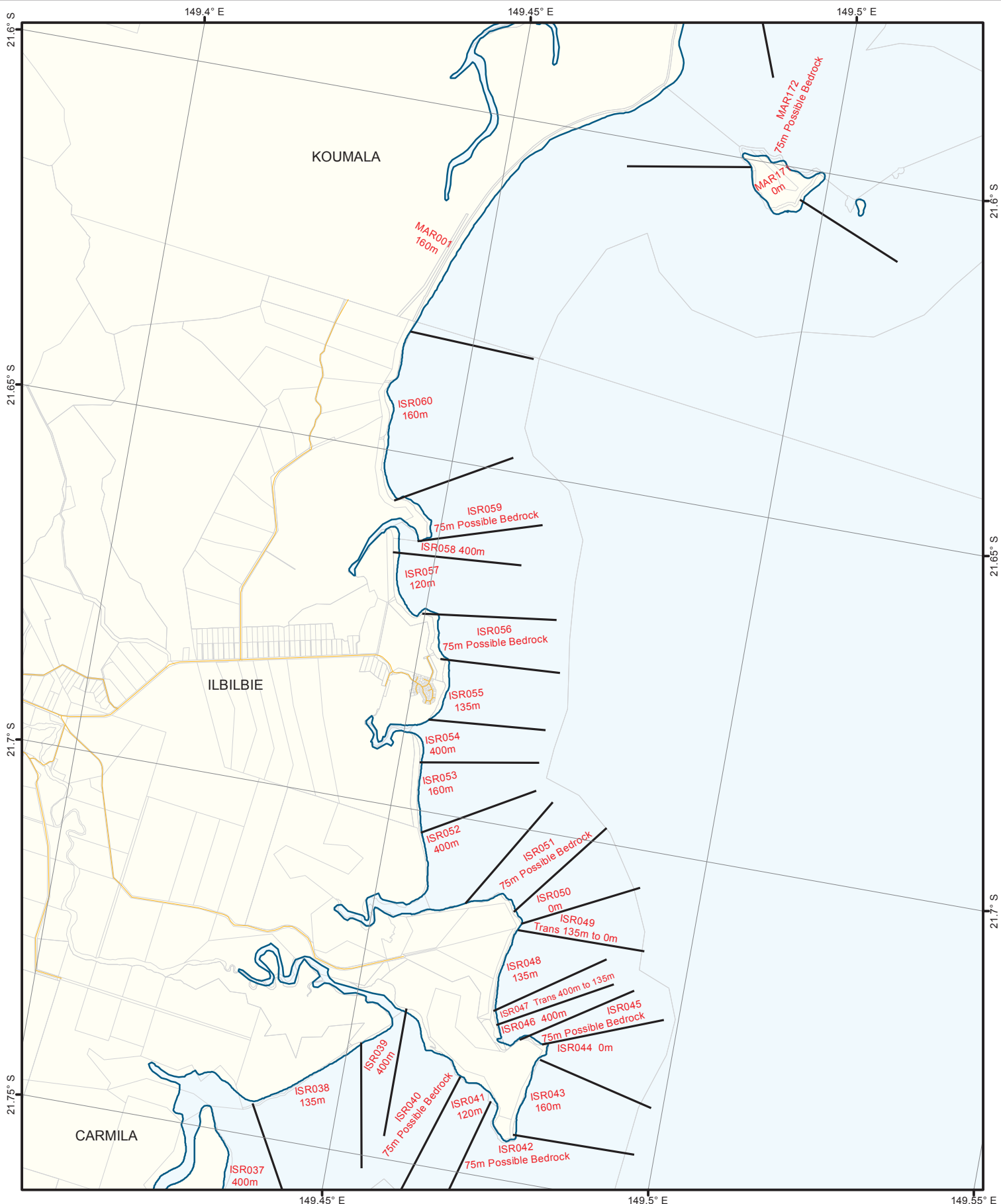
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



ISR3A Map 5

Projection: Albers. Datum: GDA 1994.





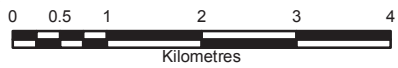
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ISR006 Segment number and linear distance for erosion prone area

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



ISR3A Map 6

Projection: Albers. Datum: GDA 1994.

