

Erosion Prone Area

Bundaberg 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:

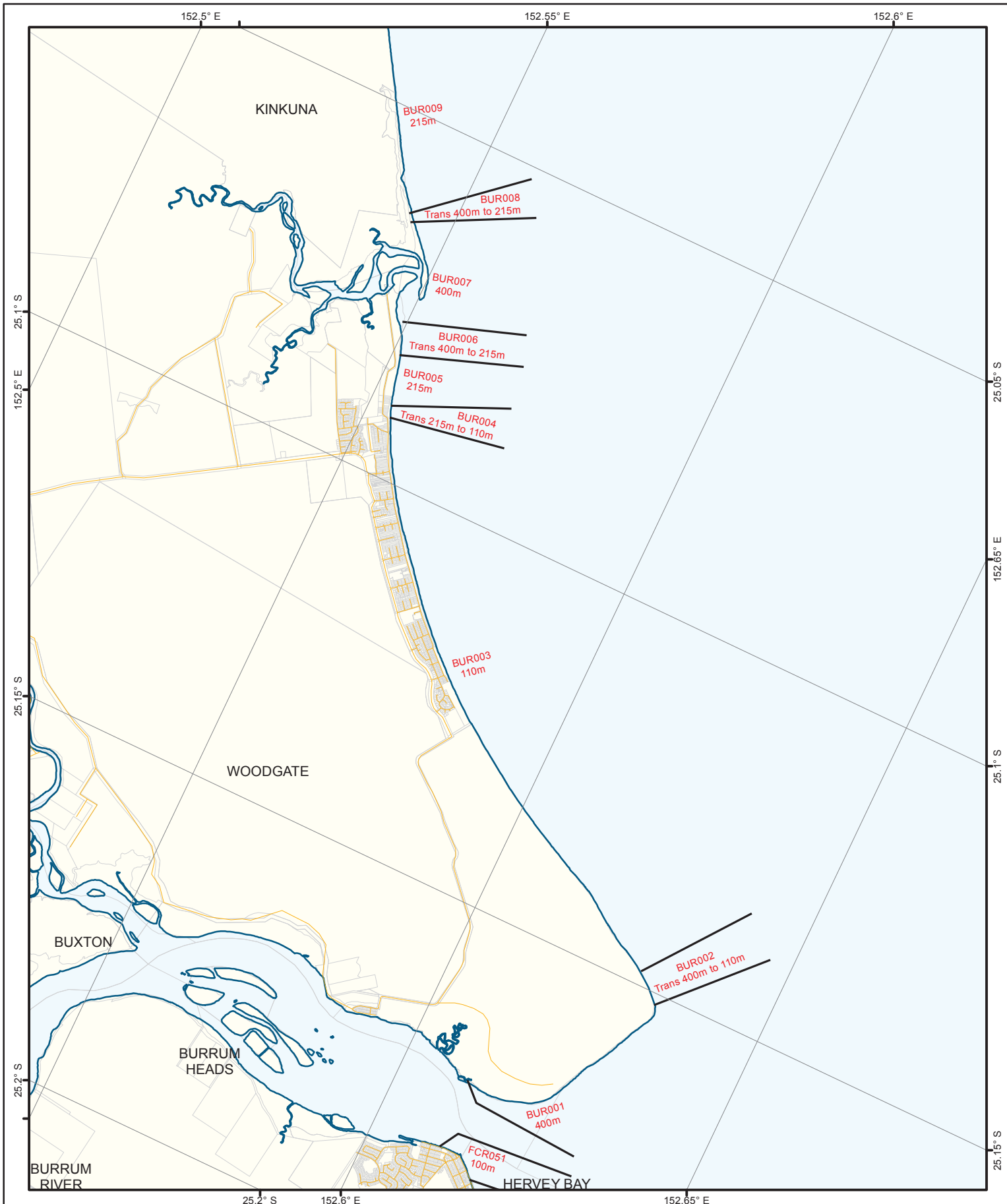
Plan No:

BUR3A

BUR3A 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)
BUR001	152.61077	-25.17299	152.63257	-25.15164	400m
BUR002	152.63257	-25.15164	152.62836	-25.14807	Trans 400m to 110m
BUR003	152.62836	-25.14807	152.55396	-25.09155	110m
BUR004	152.55396	-25.09155	152.55330	-25.08994	Trans 215m to 110m
BUR005	152.55330	-25.08995	152.55108	-25.08285	215m
BUR006	152.55108	-25.08285	152.54930	-25.07828	Trans 400m to 215m
BUR007	152.54930	-25.07828	152.54359	-25.06480	400m
BUR008	152.54359	-25.06480	152.54279	-25.06373	Trans 400m to 215m
BUR009	152.54279	-25.06373	152.52234	-25.03460	215m
BUR010	152.52234	-25.03460	152.52161	-25.03351	Trans 215m to 115m
BUR011	152.52161	-25.03351	152.49090	-24.97759	115m
BUR012	152.49090	-24.97759	152.48994	-24.97282	Trans 400m to 115m
BUR013	152.48994	-24.97282	152.48807	-24.96405	400m
BUR014	152.48807	-24.96405	152.48726	-24.96024	Trans 400m to 165m
BUR015	152.48726	-24.96024	152.48523	-24.94652	165m
BUR016	152.48523	-24.94653	152.48595	-24.93733	Trans 400m to 165m
BUR017	152.48595	-24.93733	152.48607	-24.93154	400m
BUR018	152.49123	-24.92252	152.49183	-24.92154	35m Possible Bedrock
BUR019	152.49183	-24.92154	152.49261	-24.91914	75m Possible Bedrock
BUR020	152.49261	-24.91914	152.49043	-24.90336	35m Possible Bedrock
BUR021	152.49043	-24.90336	152.48971	-24.90092	70m Possible Bedrock
BUR022	152.48971	-24.90092	152.48785	-24.89353	35m Possible Bedrock
BUR023	152.48785	-24.89353	152.48751	-24.89263	70m Possible Bedrock
BUR024	152.48751	-24.89263	152.48734	-24.88957	35m Possible Bedrock
BUR025	152.48734	-24.88957	152.48707	-24.88866	70m Possible Bedrock
BUR026	152.48707	-24.88866	152.48364	-24.87183	35m Possible Bedrock
BUR027	152.48364	-24.87183	152.48307	-24.86956	120m Possible Bedrock
BUR028	152.48307	-24.86956	152.48239	-24.86089	70m Possible Bedrock
BUR029	152.48239	-24.86089	152.47901	-24.84913	35m Possible Bedrock
BUR030	152.47901	-24.84913	152.47742	-24.84694	120m Possible Bedrock
BUR031	152.47742	-24.84694	152.46931	-24.83110	35m Possible Bedrock
BUR032	152.46931	-24.83110	152.46704	-24.82712	70m Possible Bedrock
BUR033	152.46704	-24.82712	152.46608	-24.82474	120m Possible Bedrock
BUR034	152.46608	-24.82474	152.46745	-24.81895	70m Possible Bedrock
BUR035	152.46745	-24.81895	152.46621	-24.81552	35m Possible Bedrock
BUR036	152.46621	-24.81552	152.46319	-24.81304	65m Possible Bedrock
BUR037	152.46319	-24.81304	152.45767	-24.80691	35m Possible Bedrock
BUR038	152.45767	-24.80691	152.45593	-24.80401	65m Possible Bedrock
BUR039	152.45593	-24.80401	152.44698	-24.80012	35m Possible Bedrock
BUR040	152.44698	-24.80012	152.44521	-24.80002	120m Possible Bedrock
BUR041	152.44521	-24.80002	152.43780	-24.78927	75m Possible Bedrock
BUR042	152.43780	-24.78927	152.43546	-24.78668	35m Possible Bedrock
BUR043	152.43546	-24.78668	152.43450	-24.78468	75m Possible Bedrock
BUR044	152.43450	-24.78468	152.41917	-24.77204	35m Possible Bedrock
BUR045	152.41917	-24.77204	152.41833	-24.76967	75m Possible Bedrock

BUR046	152.41833	-24.76967	152.41686	-24.76572	35m Possible Bedrock
BUR047	152.41686	-24.76572	152.41635	-24.76420	75m Possible Bedrock
BUR048	152.41635	-24.76420	152.41261	-24.75776	35m Possible Bedrock
BUR049	152.39838	-24.75382	152.36924	-24.73141	Width of island
BUR050	152.37542	-24.74803	152.29547	-24.72365	400m
BUR051	152.29547	-24.72365	152.28019	-24.71598	Trans 400m to 160m
BUR052	152.28019	-24.71598	152.26214	-24.70440	160m
BUR053	152.26214	-24.70440	152.24101	-24.68715	Trans 160m to 235m
BUR054	152.24101	-24.68715	152.23772	-24.68326	Trans 235m to 400m
BUR055	152.23772	-24.68326	152.21333	-24.66296	400m
BUR056	152.21333	-24.66296	152.19149	-24.65125	Width of spit & islands
BUR058	152.18833	-24.65986	152.12393	-24.60002	205m
BUR059	152.12393	-24.60002	152.09481	-24.56900	400m
BUR060	152.09481	-24.56900	152.07043	-24.53206	135m
BUR061	152.07043	-24.53206	152.06162	-24.51645	400m



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

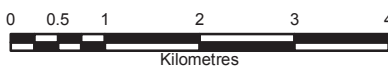
BUR3A Map 1

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.

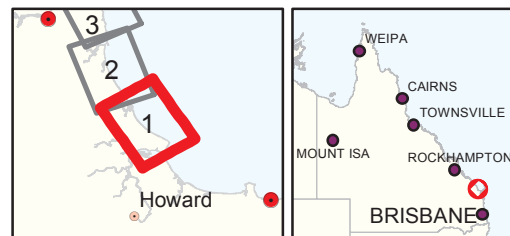
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BuR006 Segment number and linear distance for erosion prone area
100m

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



Projection: Albers. Datum: GDA 1994.



152.45° E

152.5° E

152.55° E

24.95° S

24.9° S

25° S

24.95° S

25.05° S

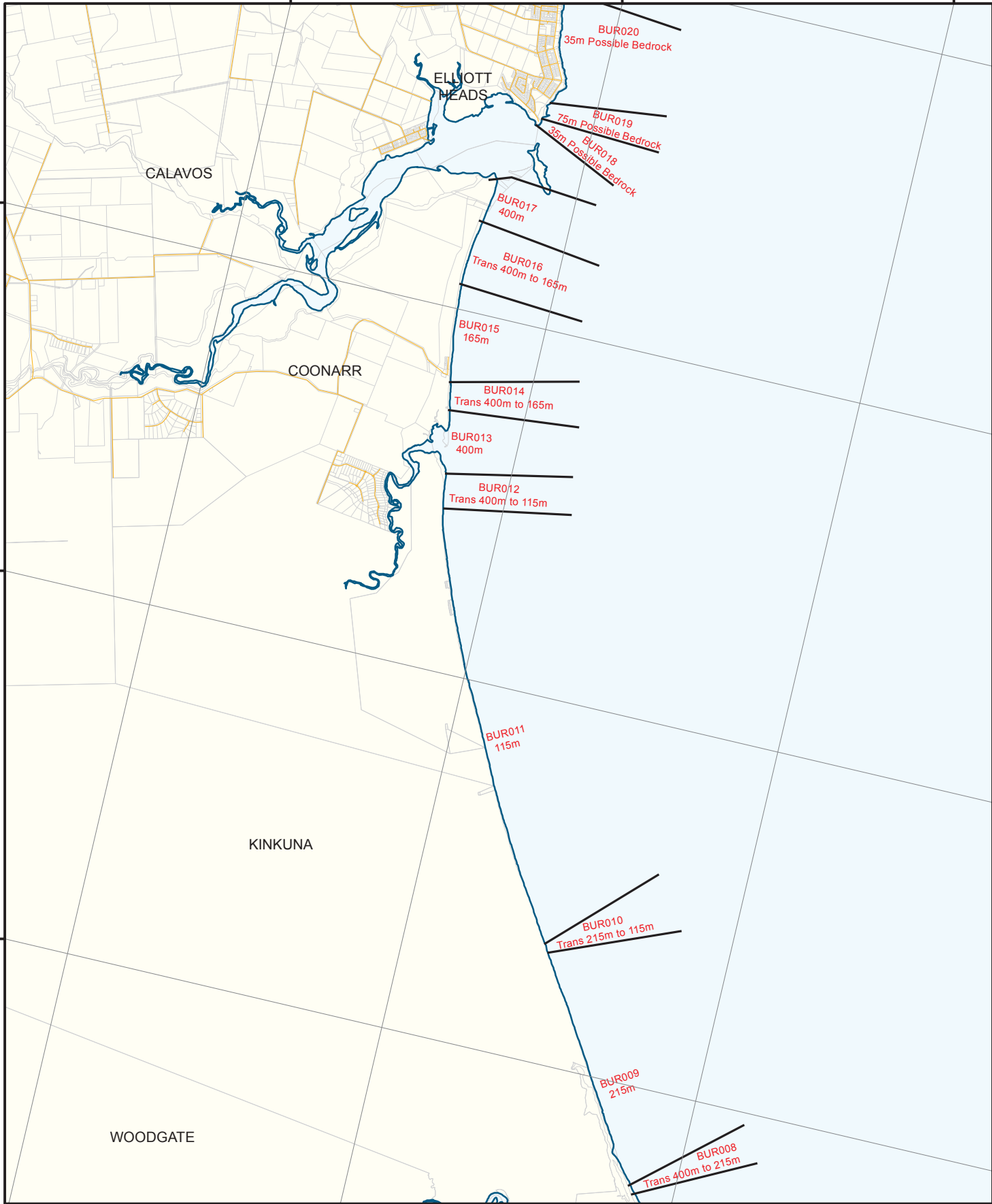
25° S

152.45° E

152.5° E

152.55° E

25.05° S



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

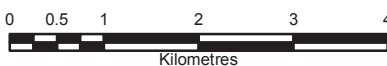
BUR3A Map 2

Note:
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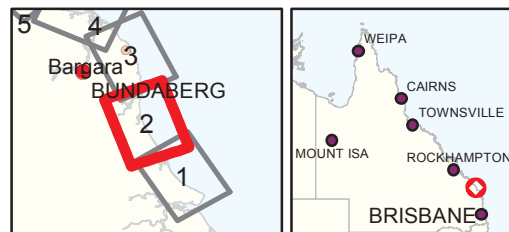
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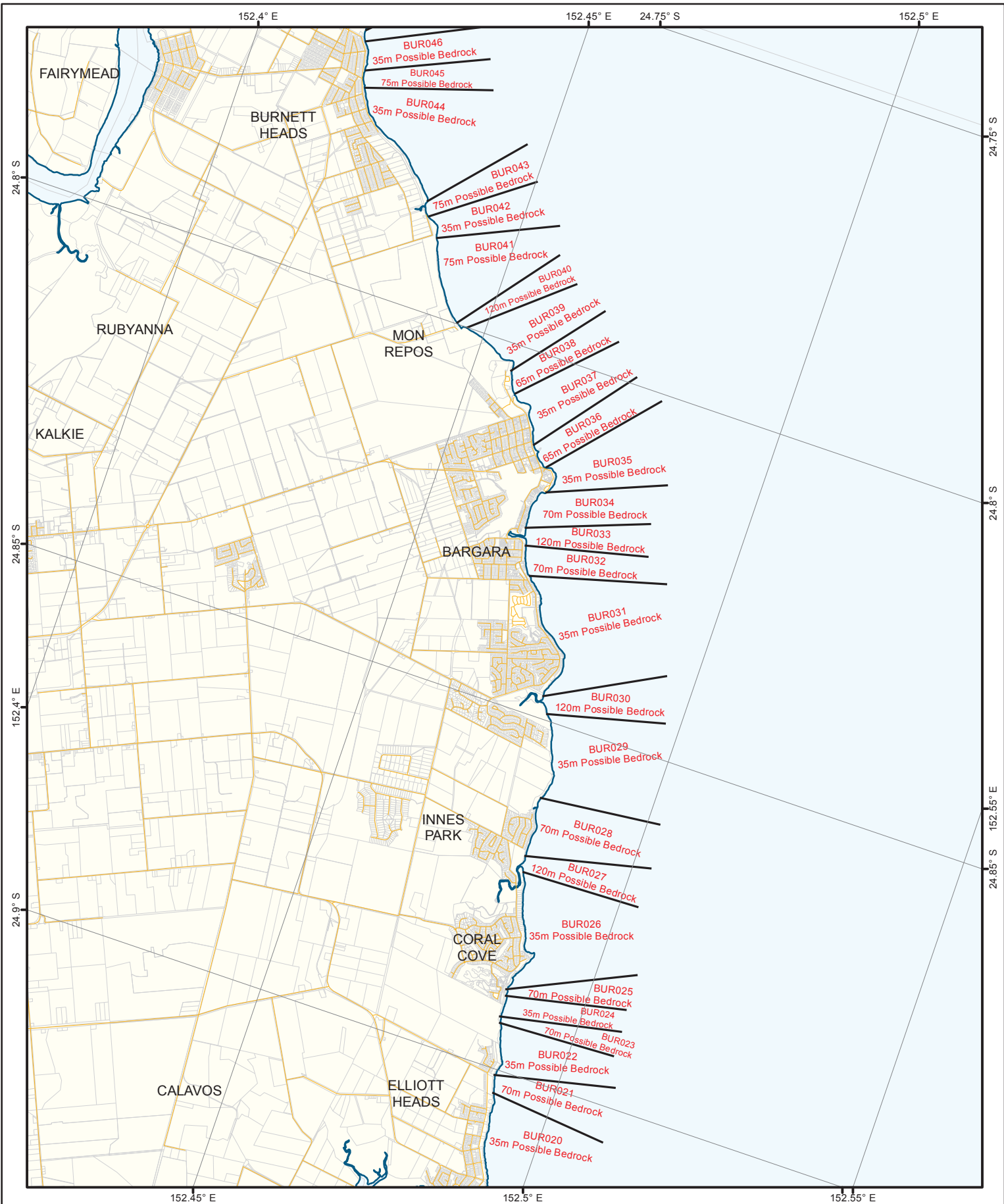
BuR006 Segment number and linear distance for erosion prone area

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



Projection: Albers. Datum: GDA 1994.





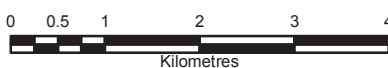
Erosion Prone Area Linear Distances and their Locations for Bundaberg Region Local Government Area

Note:
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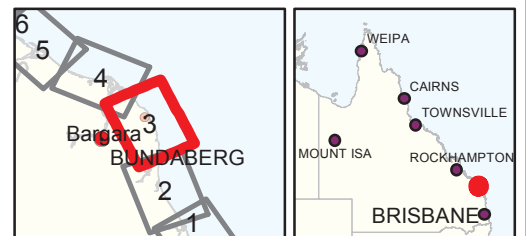
BuR006 Segment number and linear distance for erosion prone area

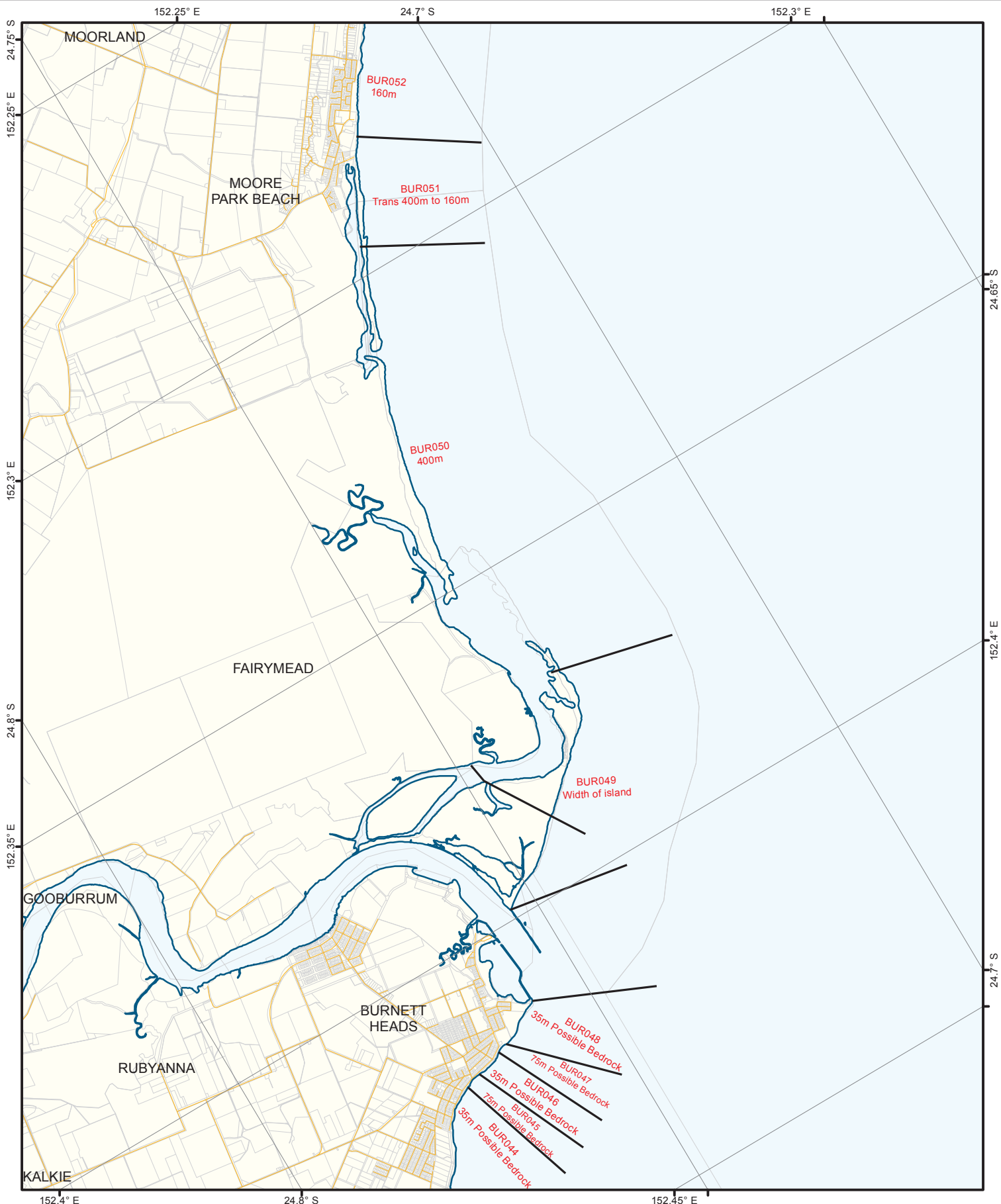
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



BUR3A Map 3

Projection: Albers. Datum: GDA 1994.





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

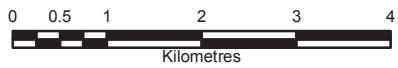
BUR3A Map 4

Note:
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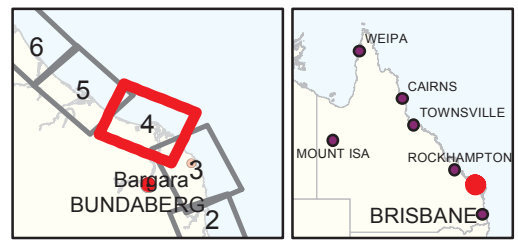
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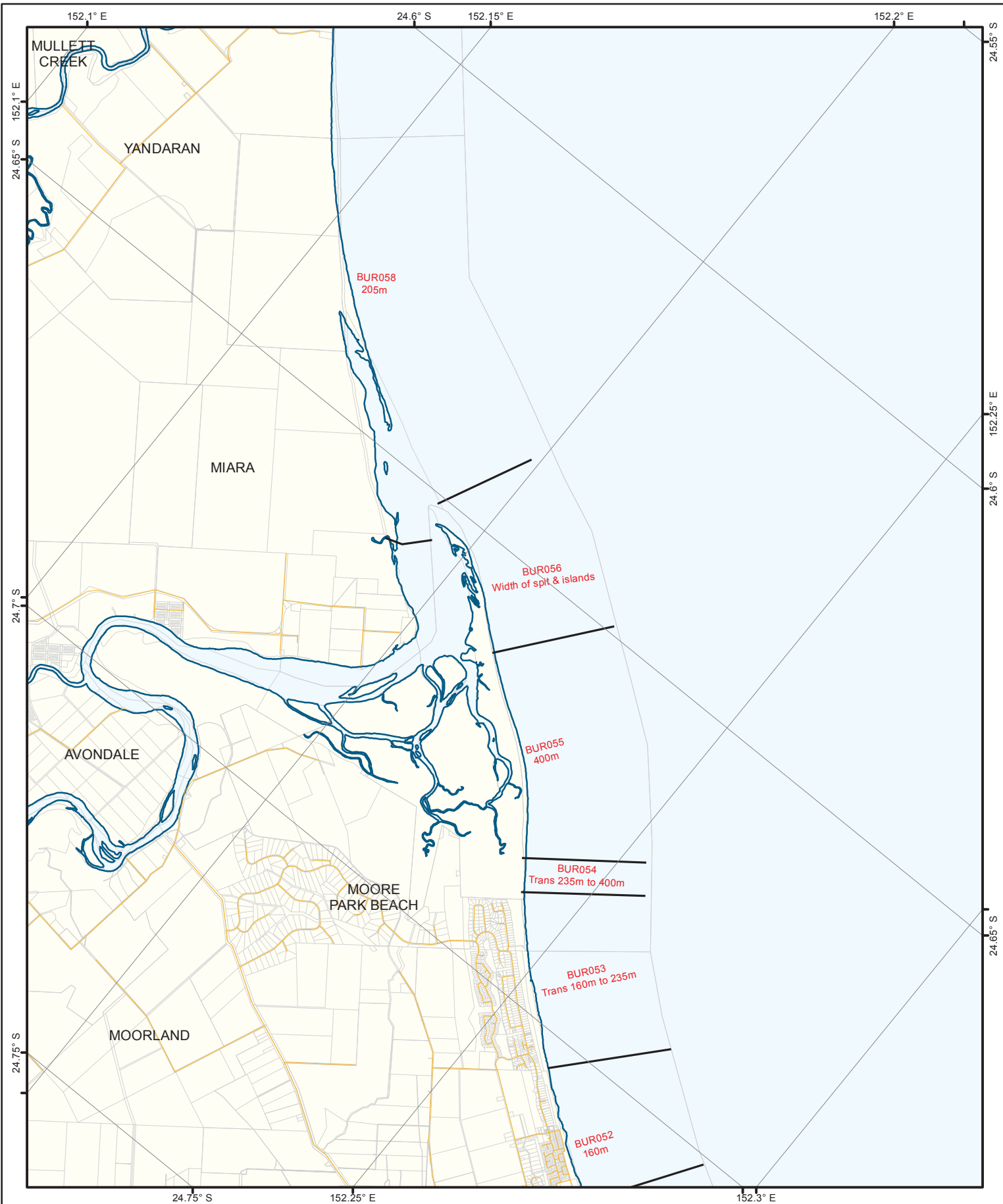
BuR006 Segment number and linear distance for erosion prone area

- 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 Bundaberg Region Local Government Area

Note:
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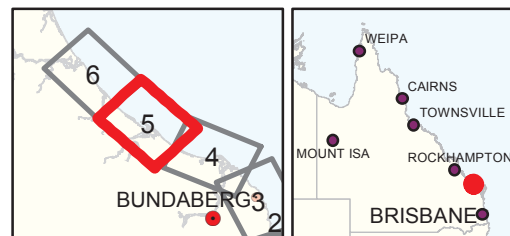
BuR006 Segment number and linear distance for erosion prone area

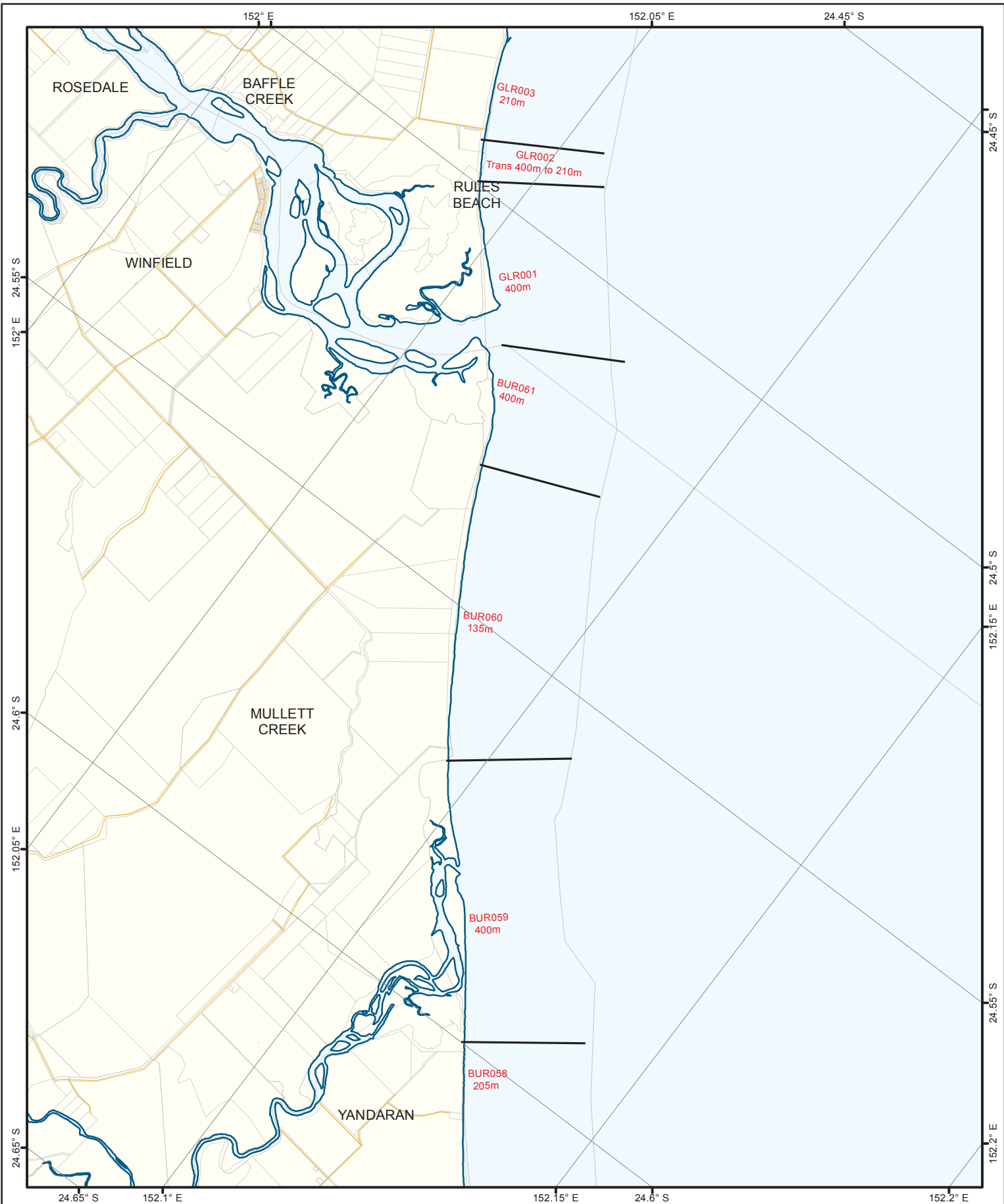
-  Erosion Prone Area segment start/stop location
-  Roads
-  Queensland coast
-  Cadastral boundaries



BUR3A Map 5

Projection: Albers. Datum: GDA 1994.









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

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BuR006 Segment number and linear distance for erosion prone area

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



BUR3A Map 6

Projection: Albers. Datum: GDA 1994.

