

# Erosion Prone Area

## Douglas 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](http://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**

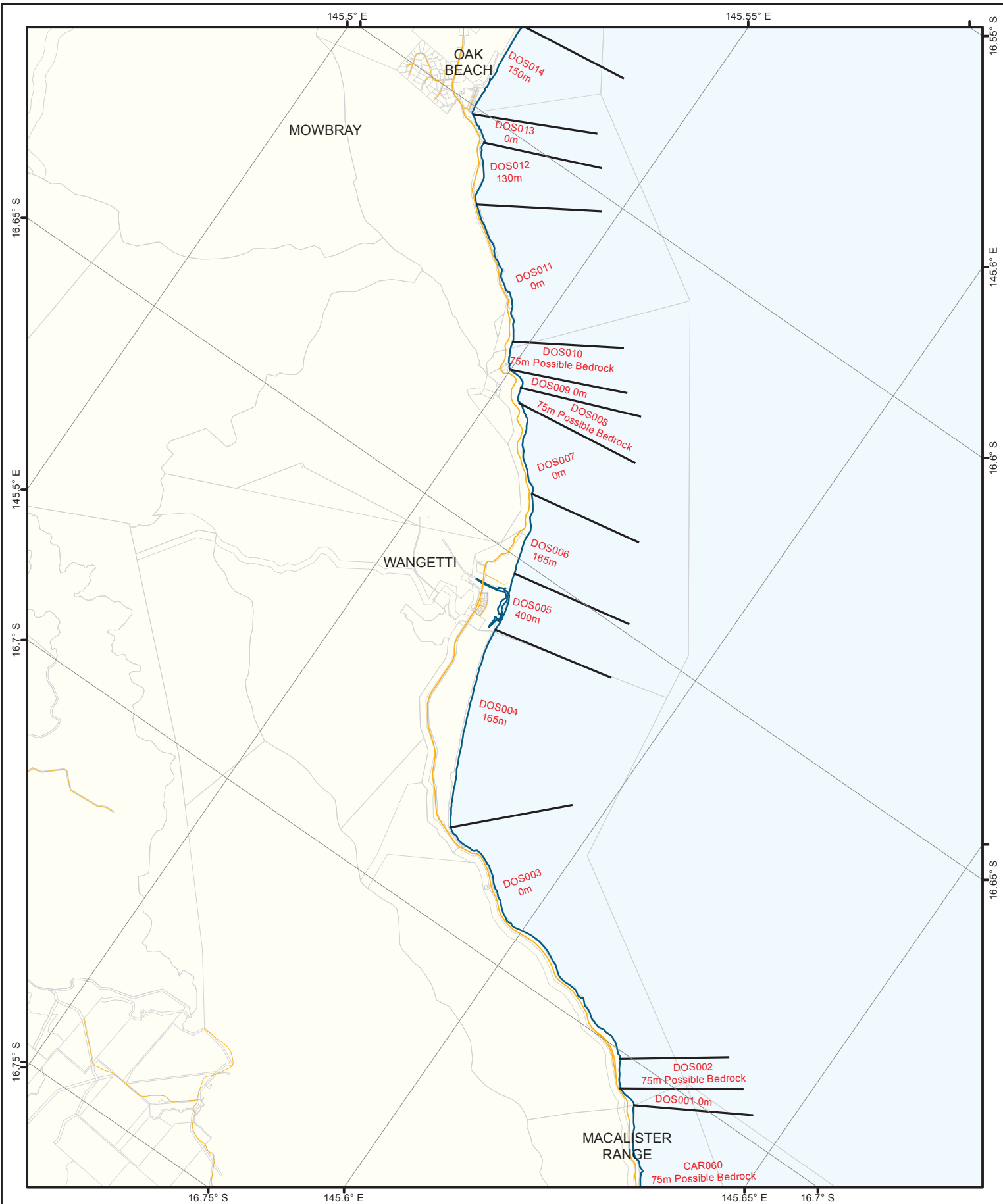
**Date of Erosion Prone Area Amendment:**

**Plan No:  
DOS3A**

DOS3A 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)
DOS001	145.62900	-16.70545	145.62576	-16.70459	0m
DOS002	145.62576	-16.70459	145.62319	-16.70112	75m Possible Bedrock
DOS003	145.62319	-16.70112	145.58200	-16.68766	0m
DOS004	145.58200	-16.68766	145.57045	-16.66039	165m
DOS005	145.57045	-16.66039	145.56804	-16.65220	400m
DOS006	145.56804	-16.65220	145.56336	-16.64132	165m
DOS007	145.56336	-16.64132	145.55384	-16.63161	0m
DOS008	145.55384	-16.63161	145.55267	-16.62968	75m Possible Bedrock
DOS009	145.55267	-16.62968	145.54975	-16.62841	0m
DOS010	145.54975	-16.62841	145.54771	-16.62493	75m Possible Bedrock
DOS011	145.54771	-16.62493	145.53138	-16.61155	0m
DOS012	145.53138	-16.61155	145.52689	-16.60365	130m
DOS013	145.52689	-16.60365	145.52316	-16.60114	0m
DOS014	145.52316	-16.60114	145.52159	-16.58657	150m
DOS015	145.52159	-16.58657	145.51722	-16.58570	0m
DOS016	145.51722	-16.58570	145.51220	-16.57685	130m Possible Bedrock
DOS017	145.51220	-16.57685	145.50904	-16.57130	0m
DOS018	145.50904	-16.57130	145.49348	-16.54915	130m
DOS019	145.49348	-16.54915	145.47862	-16.53575	400m
DOS020	145.47862	-16.53575	145.46852	-16.48555	130m
DOS021	145.46852	-16.48555	145.46206	-16.47837	0m
DOS022	145.46206	-16.47837	145.42087	-16.47334	400m
DOS023	145.42087	-16.47334	145.40744	-16.44282	130m
DOS024	145.40744	-16.44282	145.40615	-16.43100	400m
DOS025	145.40615	-16.43100	145.40898	-16.41470	165m
DOS026	145.40898	-16.41470	145.41268	-16.40496	400m
DOS027	145.41268	-16.40496	145.41918	-16.38699	165m
DOS028	145.41918	-16.38699	145.41573	-16.38214	0m
DOS029	145.41573	-16.38214	145.41177	-16.37044	75m Possible Bedrock
DOS030	145.41177	-16.37044	145.41550	-16.35462	130m
DOS031	145.41550	-16.35462	145.42875	-16.32306	165m
DOS032	145.42875	-16.32306	145.46460	-16.28564	400m
DOS033	145.46460	-16.28564	145.47800	-16.27501	165m
DOS034	145.47800	-16.27501	145.47672	-16.26144	0m
DOS035	145.47672	-16.26144	145.48062	-16.24914	150m Possible Bedrock
DOS036	145.48062	-16.24914	145.46936	-16.23733	0m
DOS037	145.46936	-16.23733	145.46856	-16.23008	150m Possible Bedrock
DOS038	145.46856	-16.23008	145.46899	-16.22822	0m
DOS039	145.46899	-16.22822	145.46917	-16.22539	150m Possible Bedrock
DOS040	145.46917	-16.22539	145.44625	-16.20257	0m
DOS041	145.44625	-16.20257	145.44365	-16.20244	Trans 400m to 0m
DOS042	145.44365	-16.20244	145.44184	-16.19689	400m
DOS043	145.44184	-16.19689	145.44023	-16.18061	165m

DOS044	145.44023	-16.18061	145.44212	-16.17257	400m
DOS045	145.44212	-16.17257	145.44356	-16.16839	165m
DOS046	145.44356	-16.16839	145.44331	-16.15992	0m
DOS047	145.44331	-16.15992	145.44736	-16.14613	165m
DOS048	145.44736	-16.14613	145.45141	-16.13755	400m
DOS049	145.45141	-16.13755	145.45505	-16.13119	165m
DOS050	145.45505	-16.13119	145.45802	-16.11881	0m
DOS051	145.45802	-16.11881	145.46250	-16.10634	75m Possible Bedrock
DOS052	145.46250	-16.10634	145.46579	-16.09449	400m
DOS053	145.46579	-16.09449	145.46844	-16.08547	75m Possible Bedrock
DOS054	145.46844	-16.08547	145.47343	-16.07932	150m
DOS055	145.47343	-16.07932	145.47140	-16.07739	0m
DOS056	145.47140	-16.07739	145.46695	-16.07265	150m
DOS057	145.46695	-16.07265	145.46332	-16.05637	75m Possible Bedrock
DOS058	145.46332	-16.05637	145.46342	-16.04137	0m
DOS059	145.46342	-16.04137	145.45594	-16.03236	150m
DOS060	145.45594	-16.03236	145.45105	-16.01555	75m Possible Bedrock
DOS061	145.45105	-16.01555	145.45026	-16.01270	150m Possible Bedrock
DOS062	145.45026	-16.01270	145.44158	-16.00381	0m
DOS063	145.44158	-16.00381	145.43159	-15.98929	75m Possible Bedrock
DOS064	145.43159	-15.98929	145.42591	-15.97711	150m
DOS065	145.42591	-15.97711	145.39427	-15.94043	0m
DOS066	145.39427	-15.94043	145.38603	-15.93148	75m Possible Bedrock
DOS067	145.38603	-15.93148	145.36649	-15.92233	0m
DOS068	145.36649	-15.92233	145.36285	-15.92179	75m Possible Bedrock



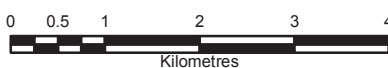
### Erosion Prone Area Linear Distances and their Locations for Douglas Shire Local Government Area

**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.

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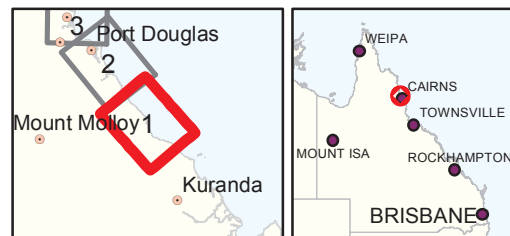
**DoS006** Segment number and linear distance for erosion prone area

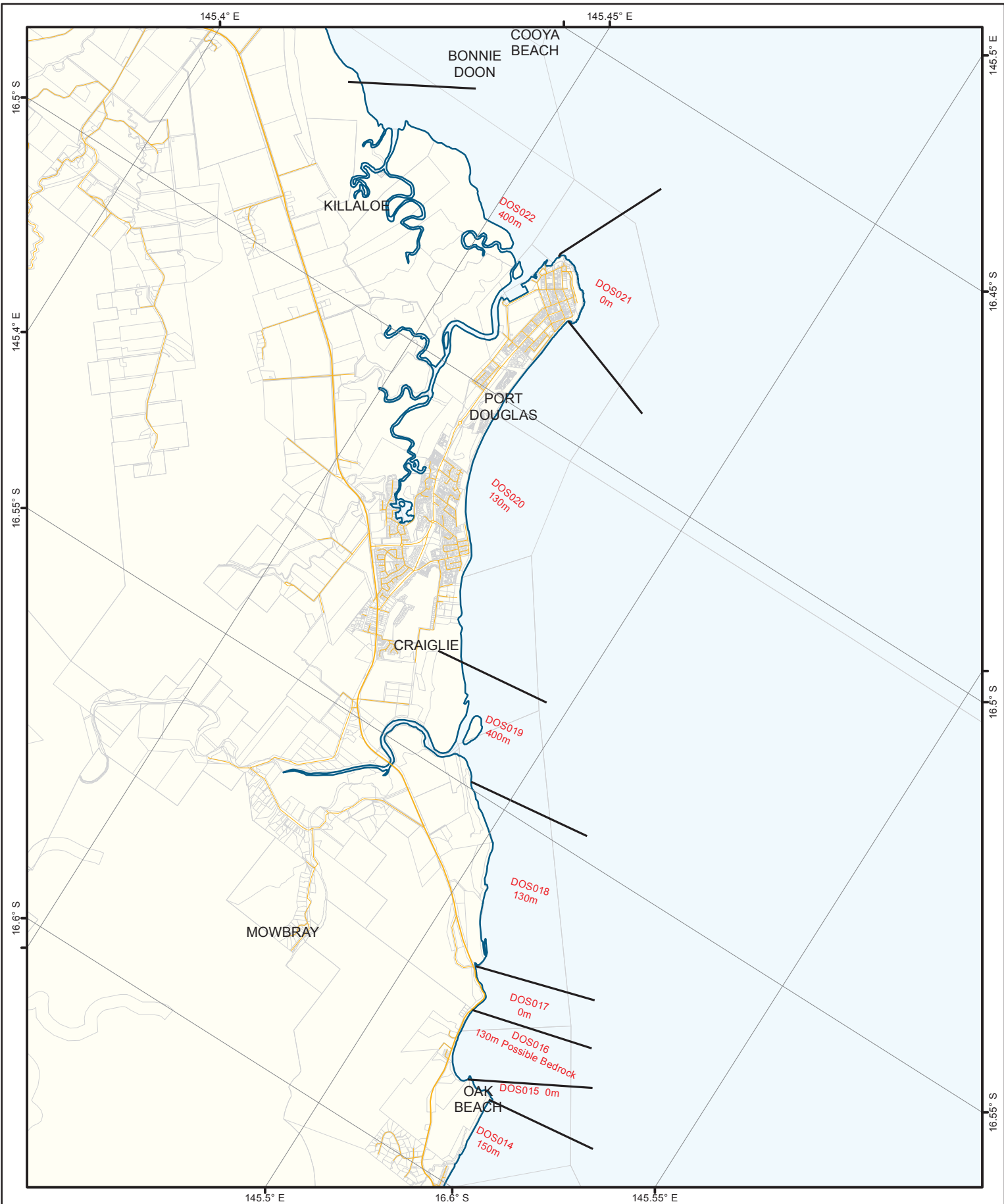
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries



### DOS3A Map 1

Projection: Albers. Datum: GDA 1994.









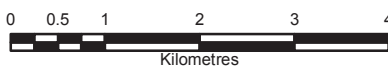
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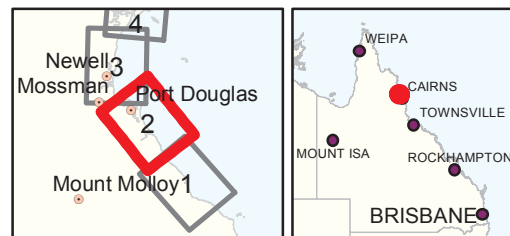
**DoS006** Segment number and linear distance for erosion prone area

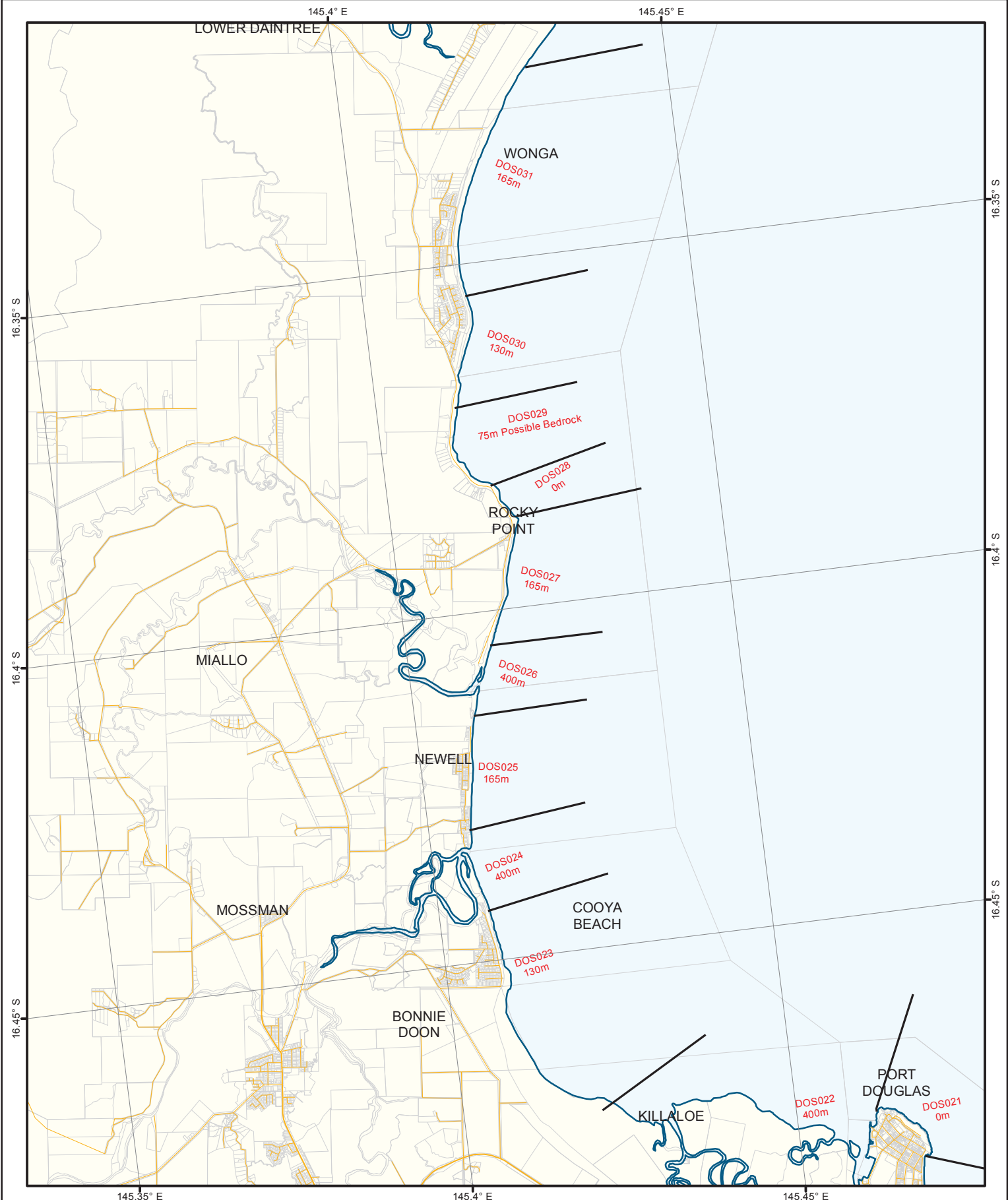
-  Erosion Prone Area segment start/stop location
-  Roads
-  Queensland coast
-  Cadastral boundaries



## DOS3A Map 2

Projection: Albers. Datum: GDA 1994.





### Erosion Prone Area Linear Distances and their Locations for Douglas Shire Local Government Area

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**DoS006** Segment number and linear distance for erosion prone area

— Erosion Prone Area segment start/stop location

— Roads

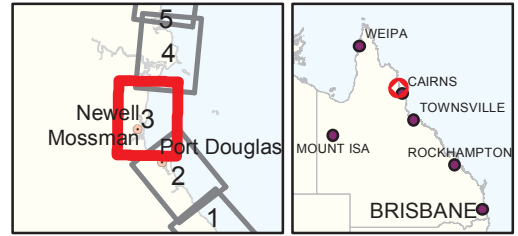
— Queensland coast

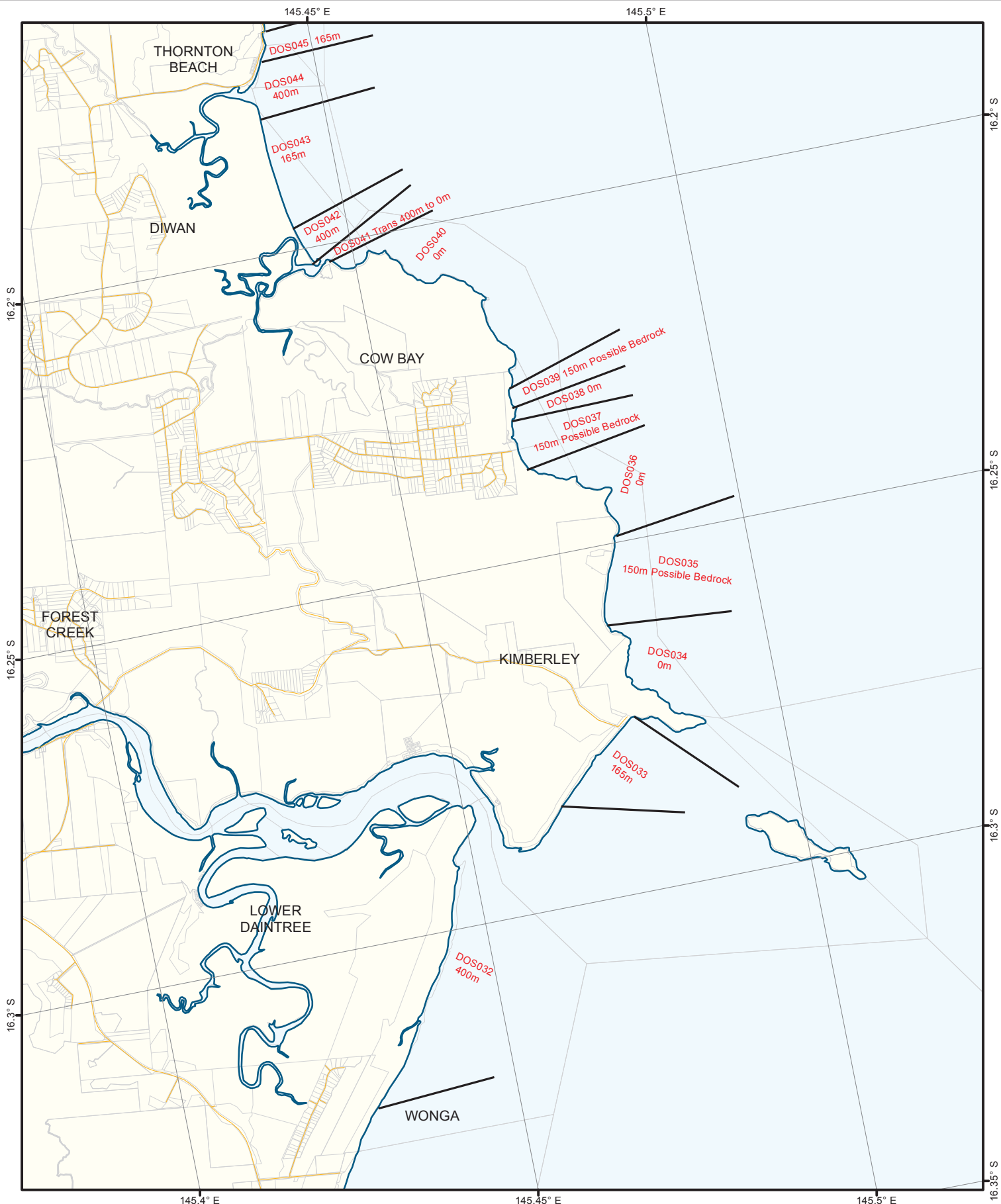
— Cadastral boundaries

0 0.5 1 2 3 4  
Kilometres

### DOS3A Map 3

Projection: Albers. Datum: GDA 1994.





### Erosion Prone Area Linear Distances and their Locations for Douglas Shire Local Government Area

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**DoS006** Segment number and linear distance for erosion prone area

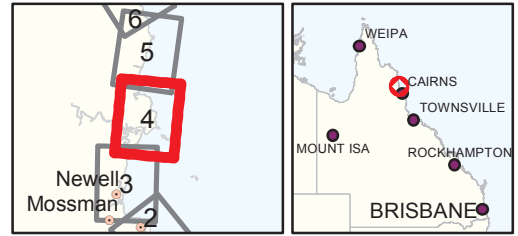
100m

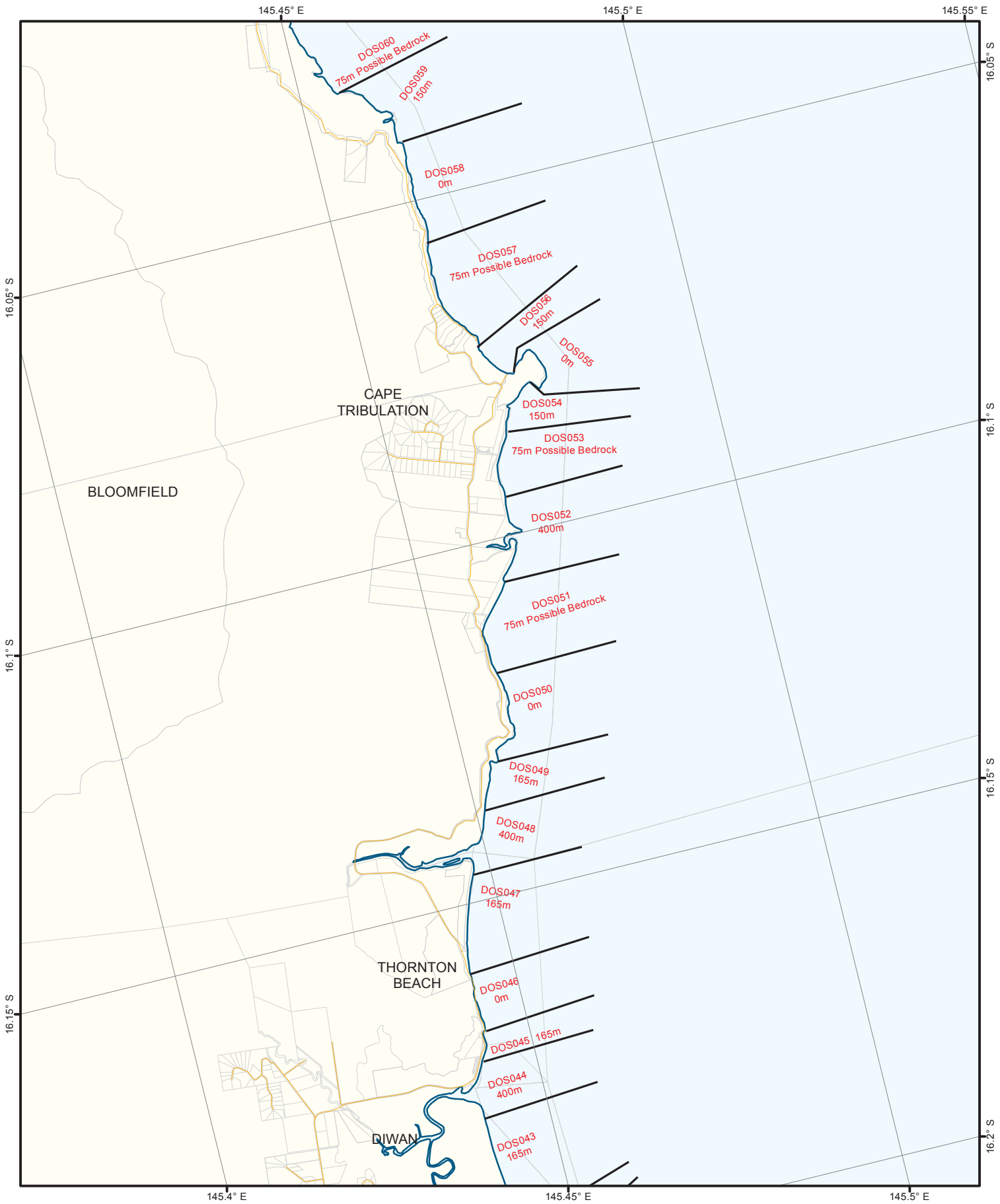
- Erosion Prone Area segment start/stop location
- Roads
- Queensland coast
- Cadastral boundaries

0 0.5 1 2 3 4  
Kilometres

## DOS3A Map 4

Projection: Albers. Datum: GDA 1994.





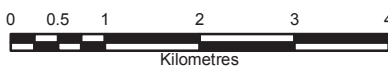
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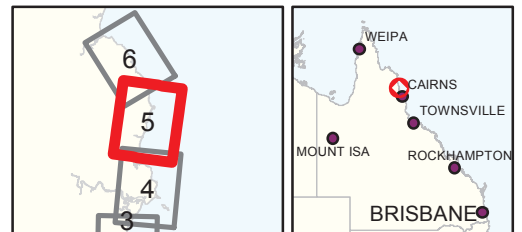
**DoS006** Segment number and linear distance for erosion prone area

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

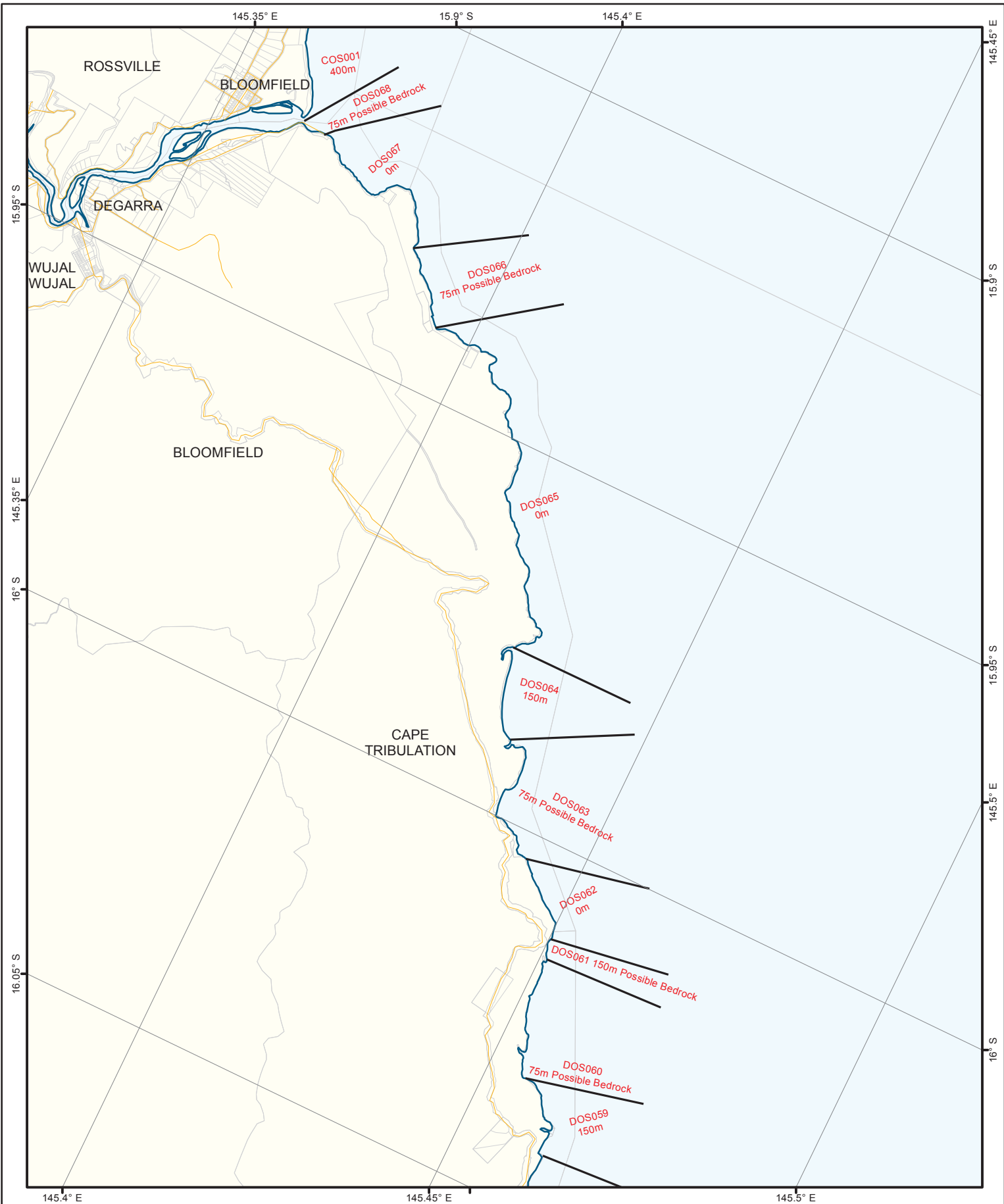


### DOS3A Map 5

Projection: Albers. Datum: GDA 1994.







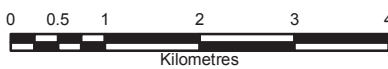
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**DoS006** Segment number and linear distance for erosion prone area

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



### DOS3A Map 6

Projection: Albers. Datum: GDA 1994.

