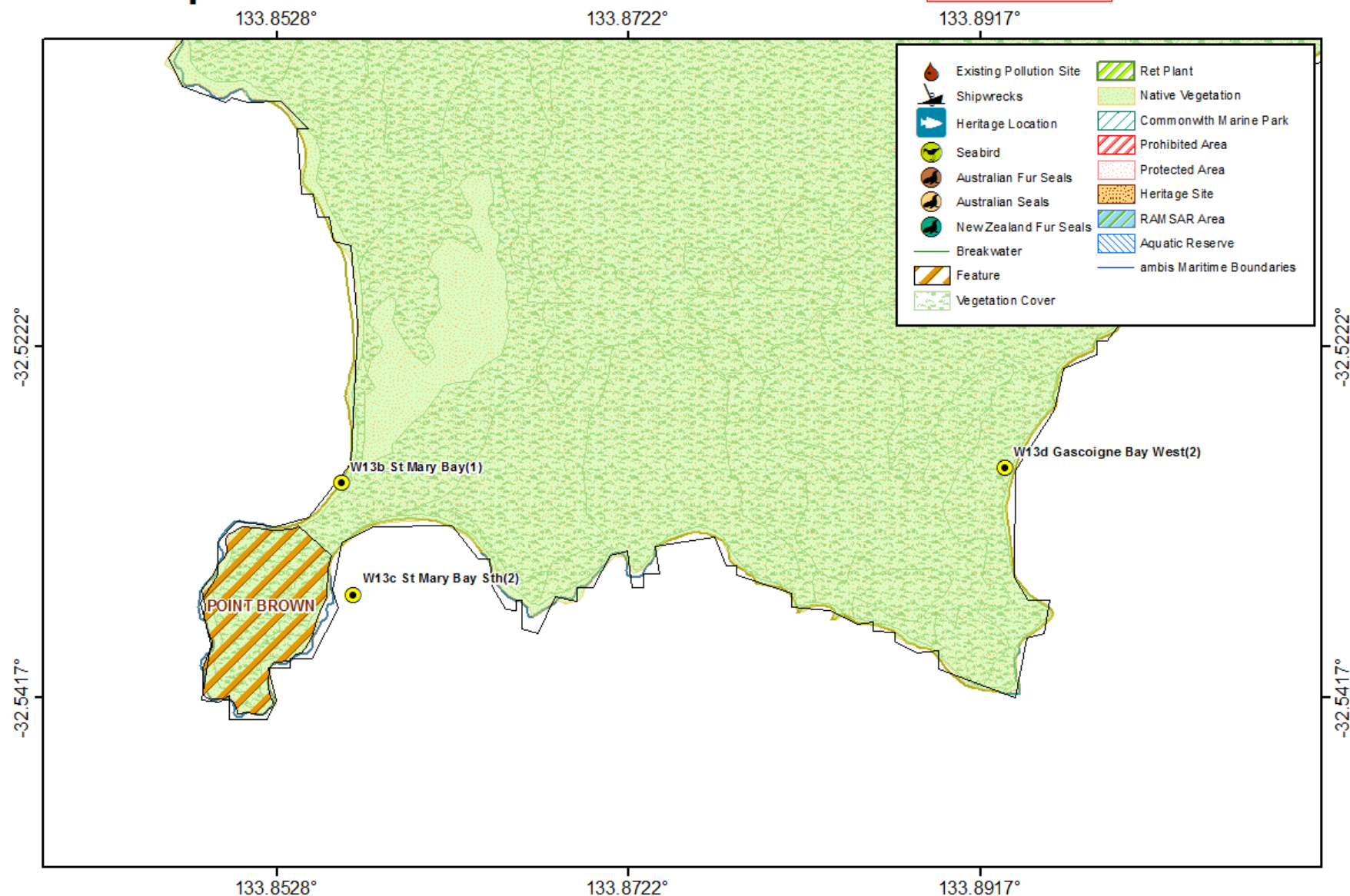


Beach details					
Beach Name:	St. Mary’s Bay		Beach ID:	W13b	Priority: 1
Access point location (DD):	Latitude: -32.531908 Longitude: 133.858887		Maximum Beach survey length (km):	0.87	
General description and information					
Beach exposure or shape:	<u>Concave (cove)</u> /Straight/Convex (headland)	Aspect:	N NE E SE S SW <u>W</u> NW	Likely beach gradient:	Shallow/ <u>Medium</u> /Steep
Beach Width:	~30m	Likely substrate:	Fine sand	Backshore type	Vegetated dunes
General description:	St Mary Bay is an open west facing 2 km long bay bordered by 30 m high Point Brown and Point Dillon which rises inland to 40 m. There are two beaches in the bay, the main 2.2 km long beach (1122) which is backed by active dunes, and a 350 m long northern beach (1123).				
Beach classification	Tide modified, reflective and low tide terrace beach				
General information:	The points and reefs lower waves at both to about 1 m which along the main beach maintain a steep reflective beach, forming a narrow attached bar cut by rips during higher waves, particularly toward the northern end. The northern beach is fringed and fronted by reefs.				
Permits and access:	Direct access via Point Brown Road. Contact Yasmin Wolf 0447138315 if we have any problems. The beach has very soft sand making the survey more tiring than others. (2015) – Zack spoke with Yasmin and she said we won’t have any trouble.				

OSRA Map

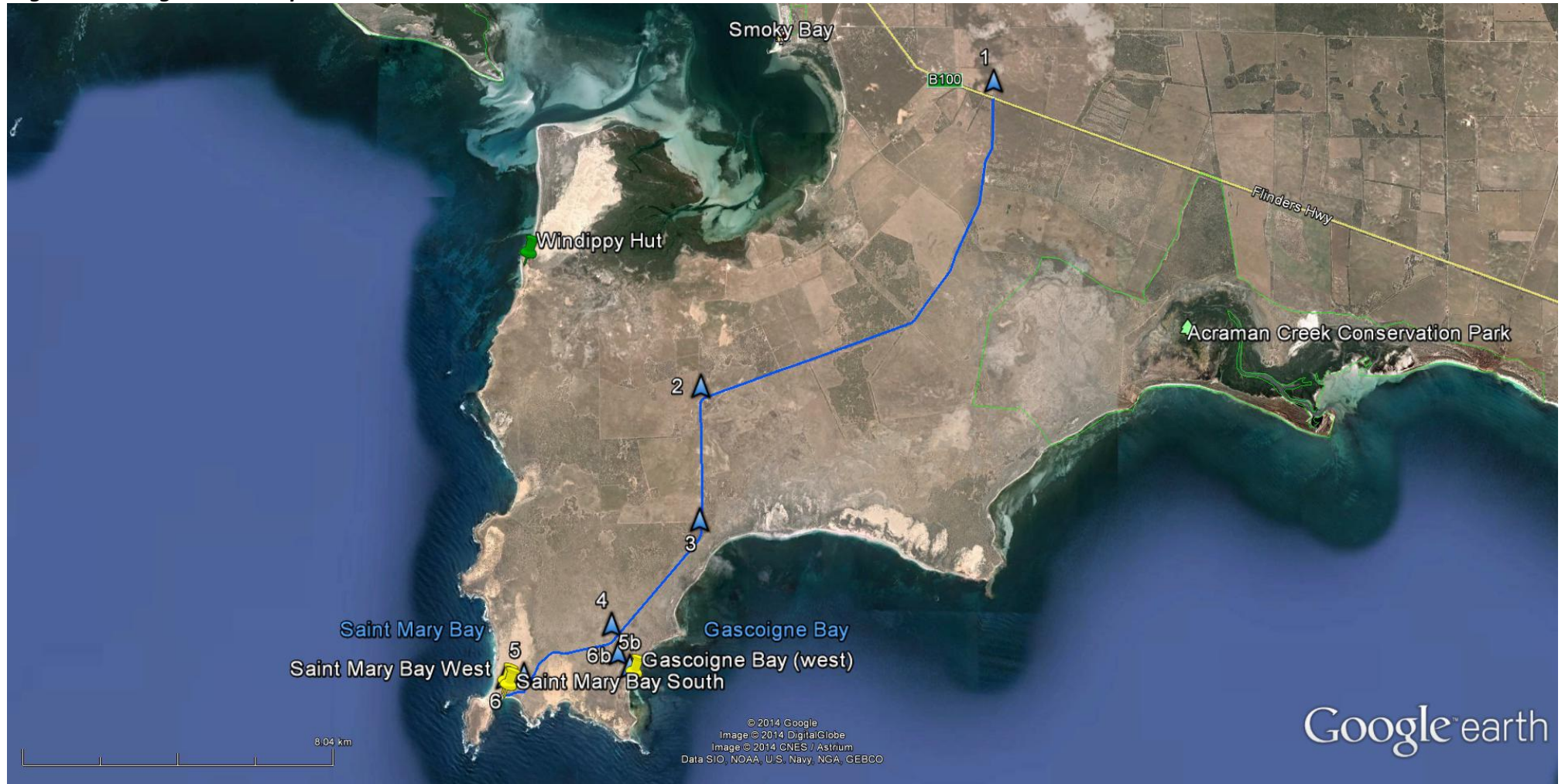
0 0.5 1 2 Kilometres

Warning: This map not to be used for navigation or measurement purposes.



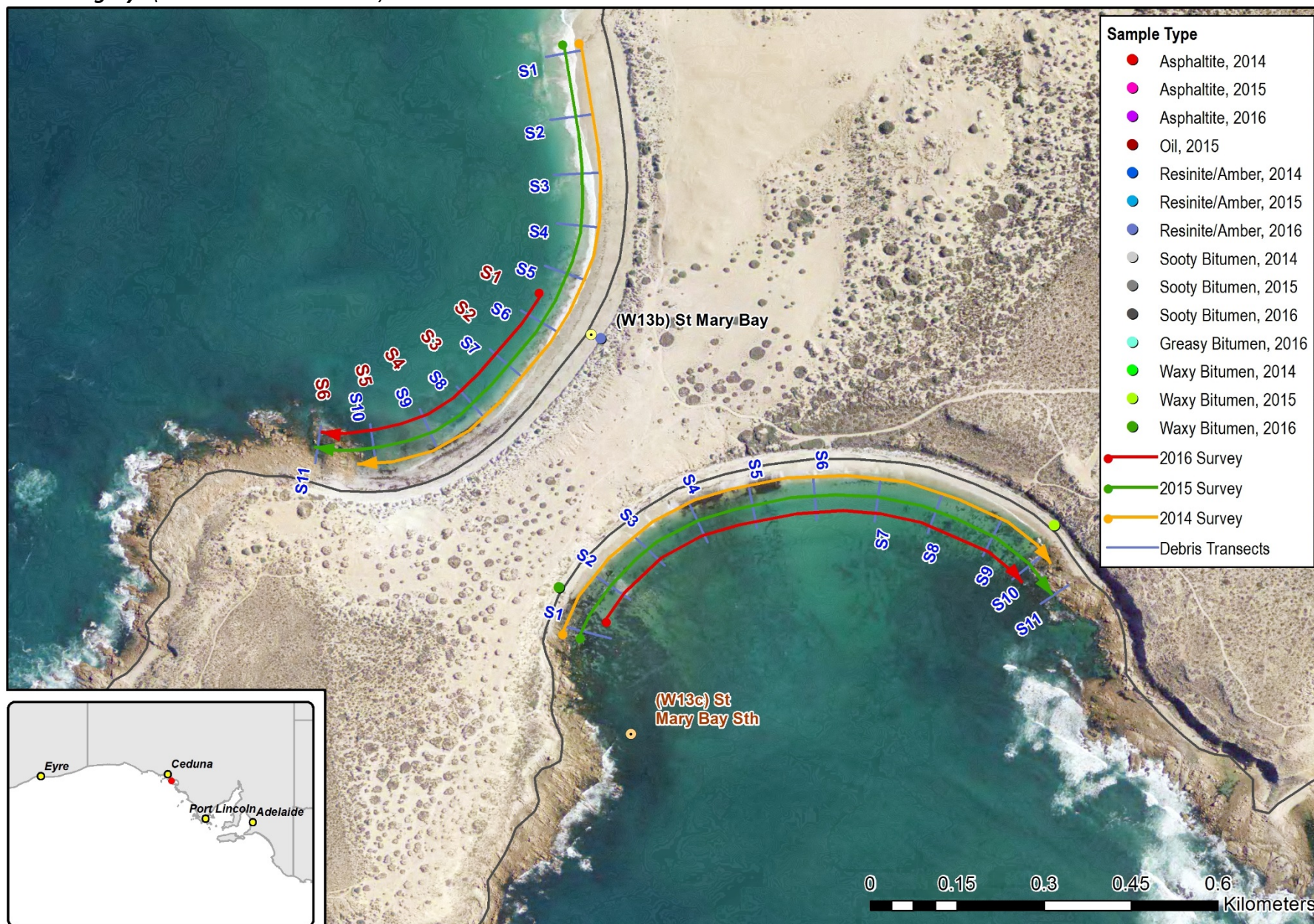
Oil Spill Response Atlas (OSRA) map layers provided courtesy of the Australian Maritime Safety Authority (AMSA)

Large scale Google Earth map



Beach Survey Records

Transects and imagery (2016 transects are in red)



Beach: St Mary Bay

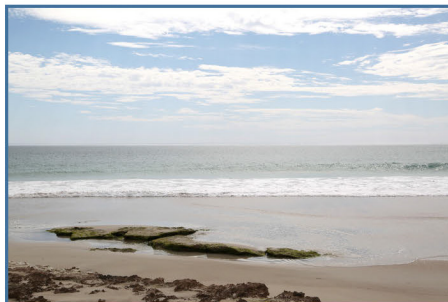
To Sea

To Shore

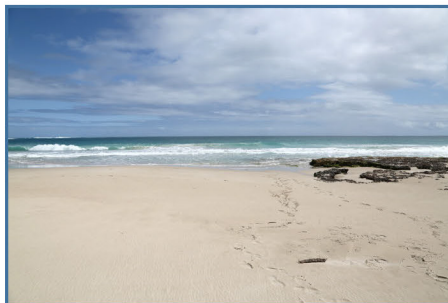
Along

Back

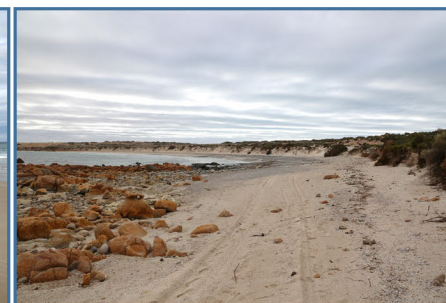
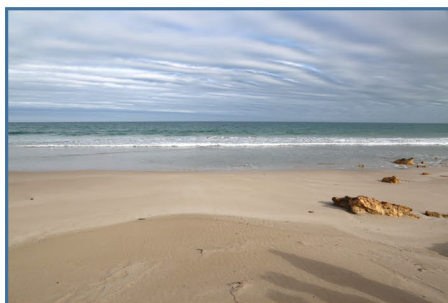
2014



2015



2016

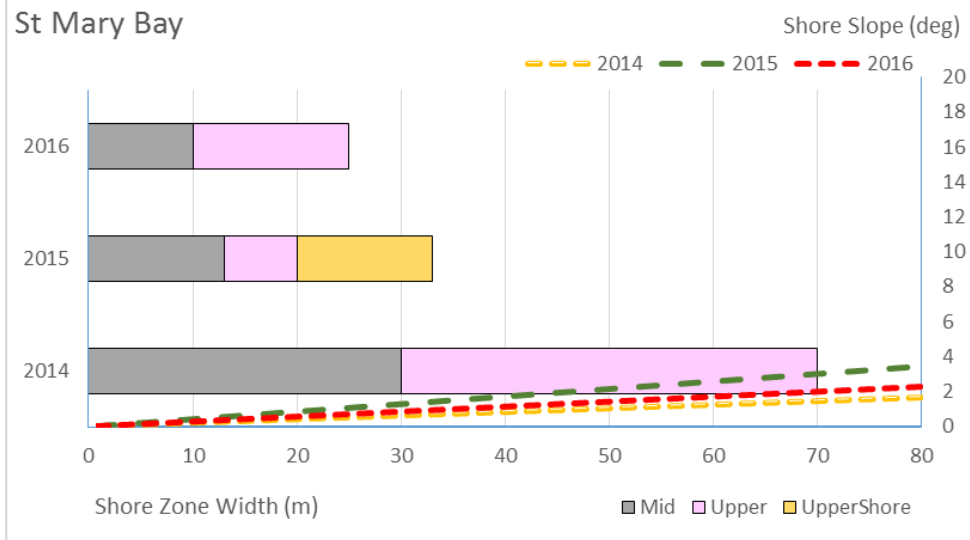


Note: 2016 start point is 480m after the start of 2014/15 transects

Beach Summary Data

[sample types include asphaltite, tarball and resinite]

Beach Character Chart

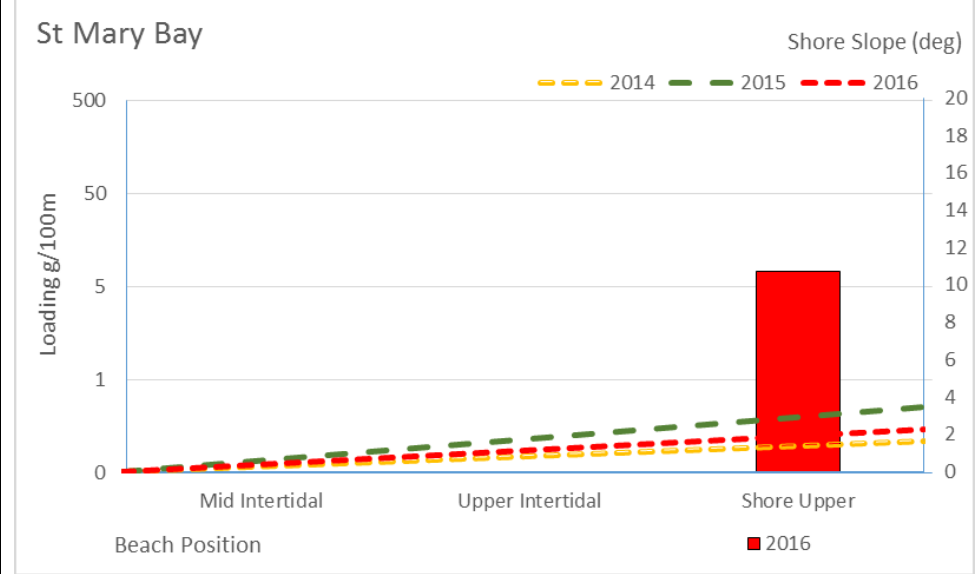


[2016 shore widths estimated]

Asphaltite Frequency Chart

No asphaltites found on this beach

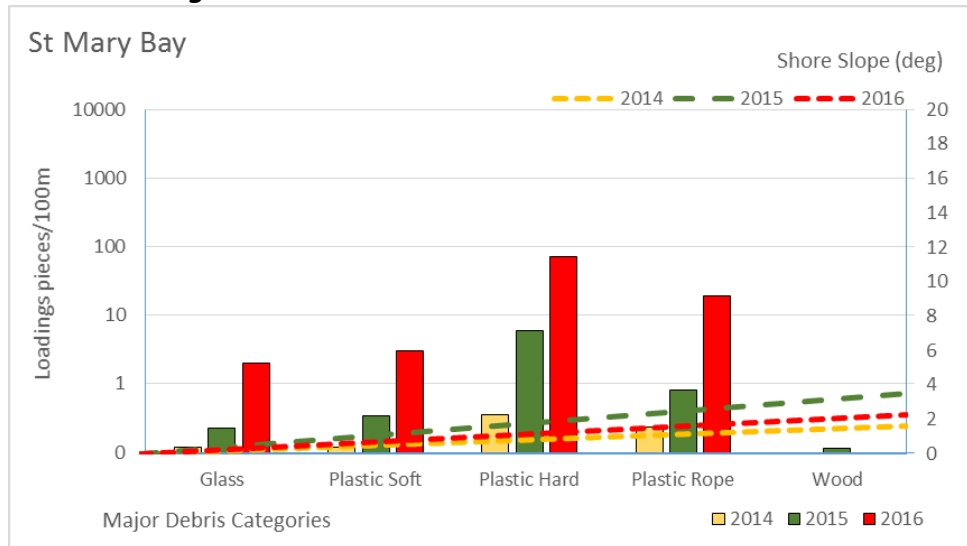
Sample Loadings per 100m Chart



Tarball Frequency Chart

No tarballs found on this beach

Debris Loadings Chart

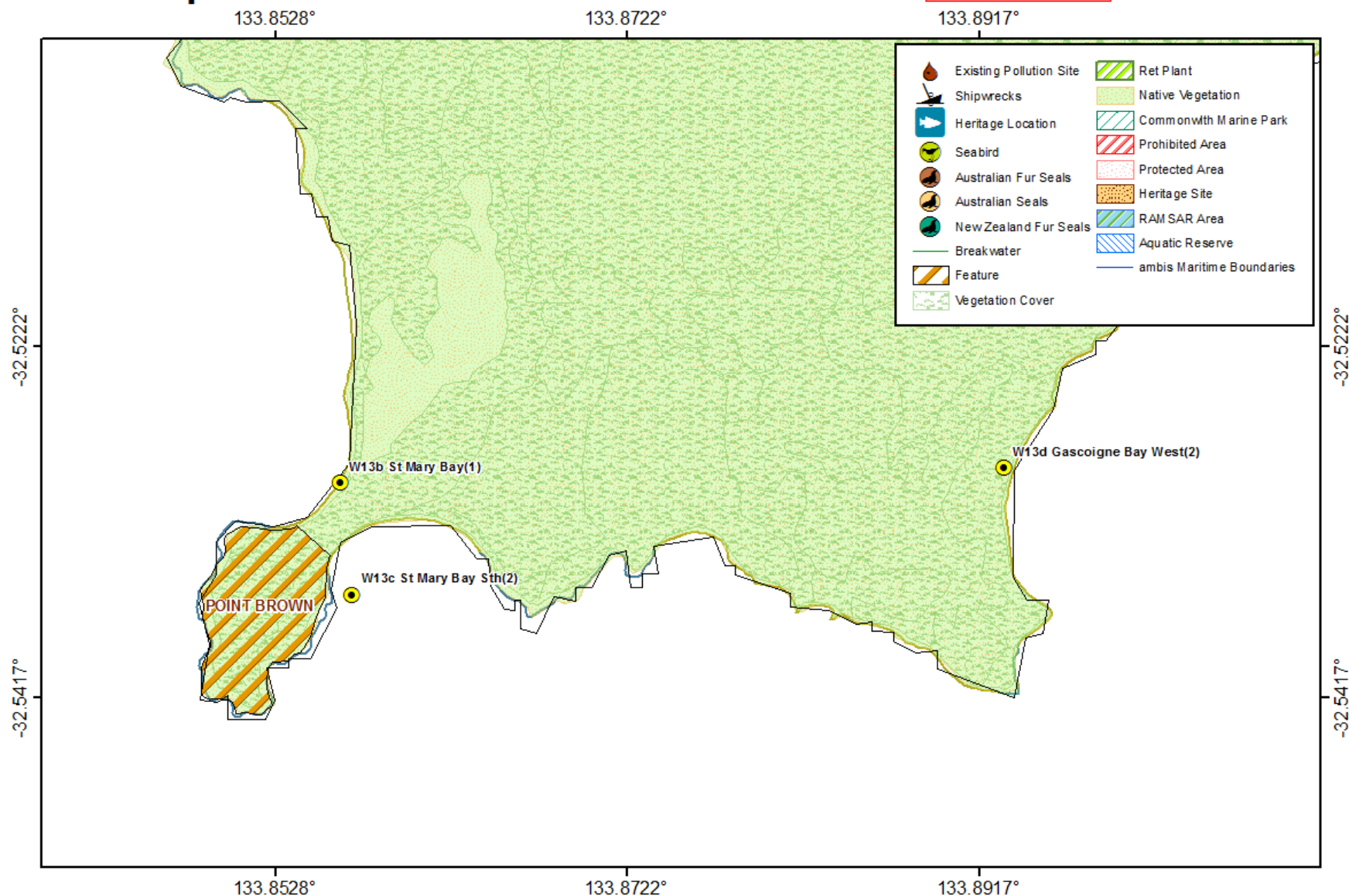


Beach details					
Beach Name:	St. Mary’s Bay Sth		Beach ID:	W13c	Priority: 2
Access point location (DD):	Latitude: -32.536 Longitude: 133.857		Maximum Beach survey length (km):	0.81	
General description and information					
Beach exposure or shape:	<u>Concave (cove)</u> /Straight/Convex (headland)	Aspect:	N NE E SE S SW W NW	Likely beach gradient:	Shallow/ <u>Medium</u> /Steep
Beach Width:	~30m	Likely substrate:	Fine sand	Backshore type	Vegetated dunes
General description:	St Mary Bay Sth is a concave south facing 1.3 km long bay bordered by 30 m high Point Brown.				
Beach classification	Assumed Wave dominated				
General information:	The points and reefs lower waves at both to about 1 m which along the main beach maintain a steep reflective beach, forming a narrow attached bar cut by rips during higher waves, particularly toward the northern end. The northern beach is fringed and fronted by reefs.				
Permits and access:	Direct access via Point Brown Road. Contact Yasmin Wolf 0447138315 if we have any problems. The beach has very soft sand making the survey more tiring than others. (2015) – Zack spoke with Yasmin and she said we won’t have any trouble.				

OSRA Map

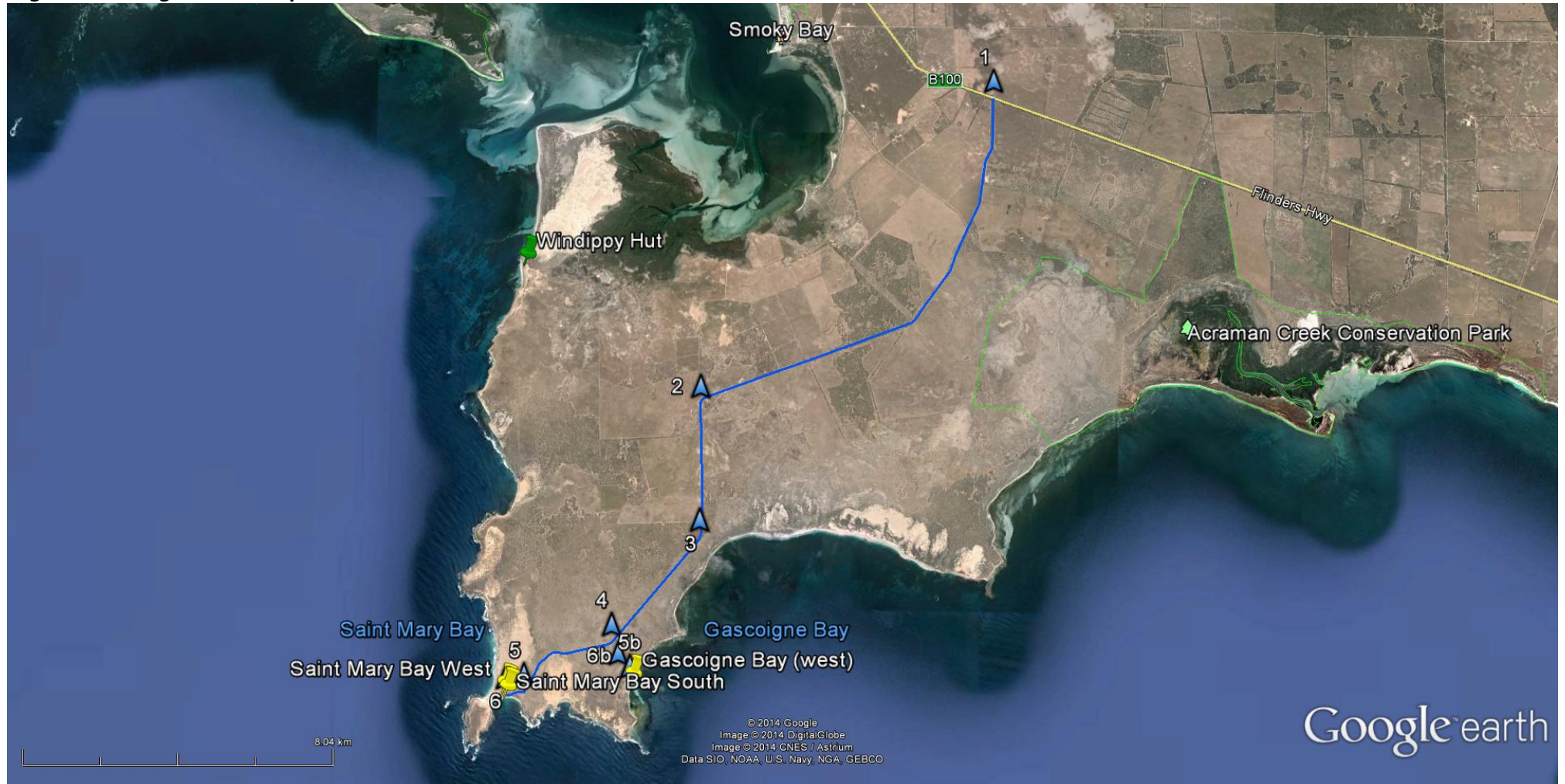
0 0.5 1 2 Kilometres

Warning: This map not to be used for navigation or measurement purposes.



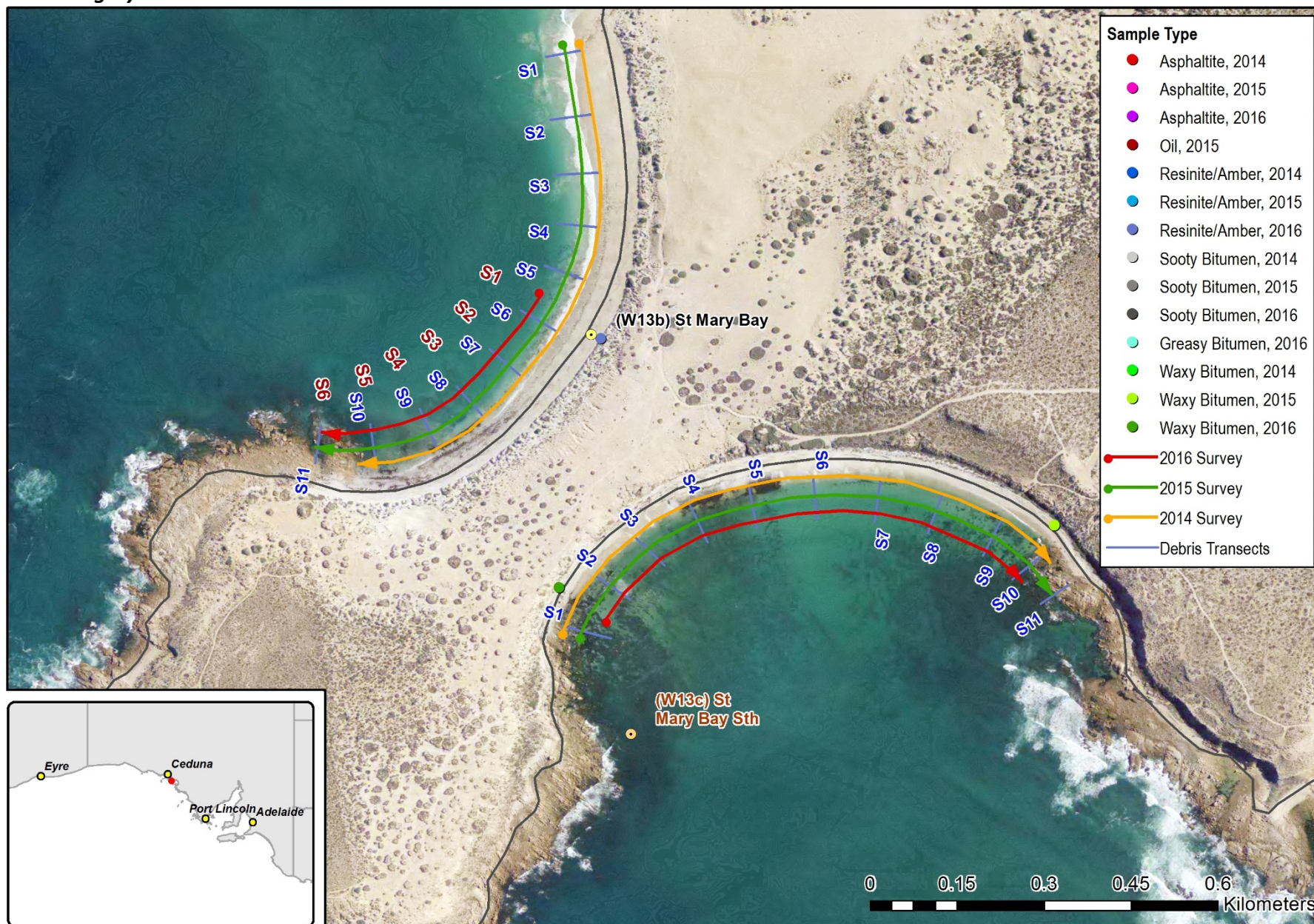
Oil Spill Response Atlas (OSRA) map layers provided courtesy of the Australian Maritime Safety Authority (AMSA)

Large scale Google Earth map



Beach Survey Records

Transects and imagery



Beach: St Mary Bay Sth

To Sea

To Shore

Along

Back

2014



2015



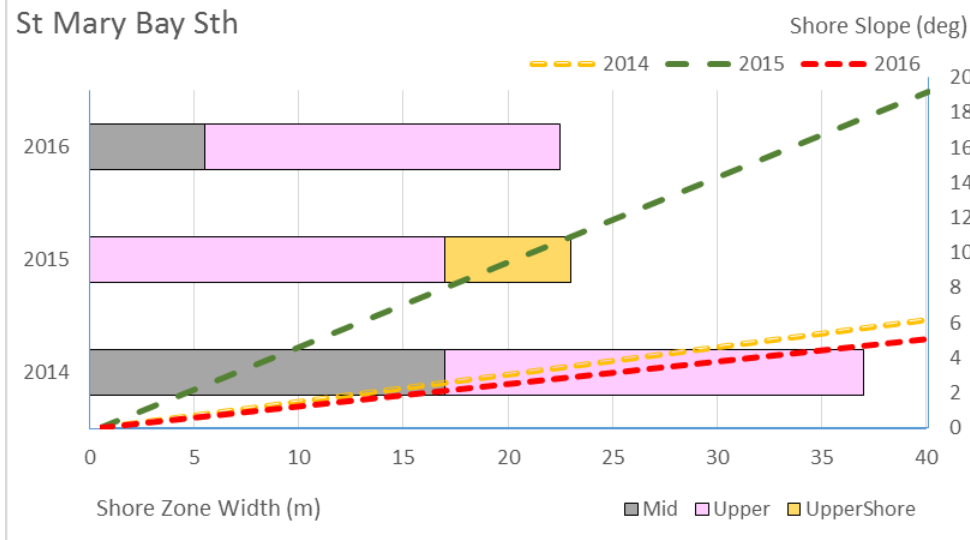
2016



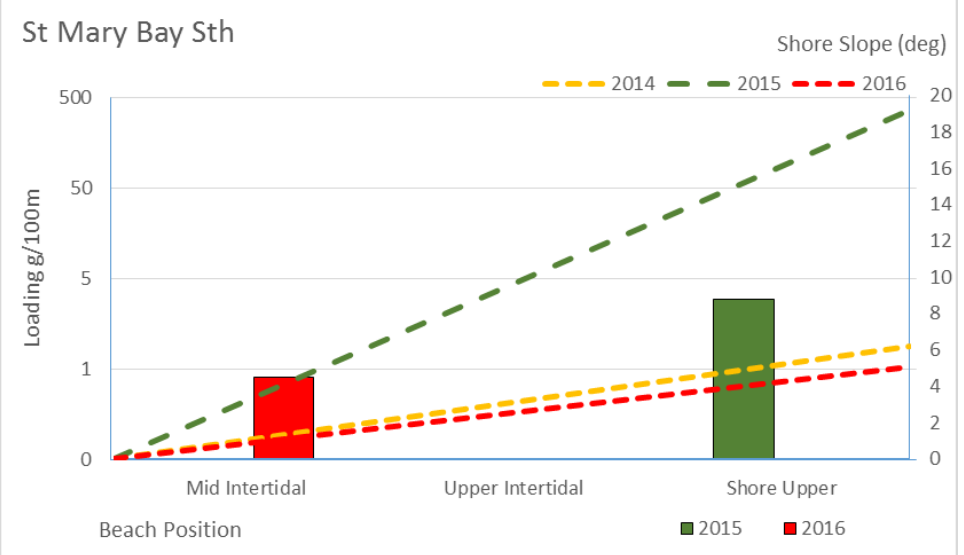
Beach Summary Data

[sample types include asphaltite, tarball and resinite]

Beach Character Chart



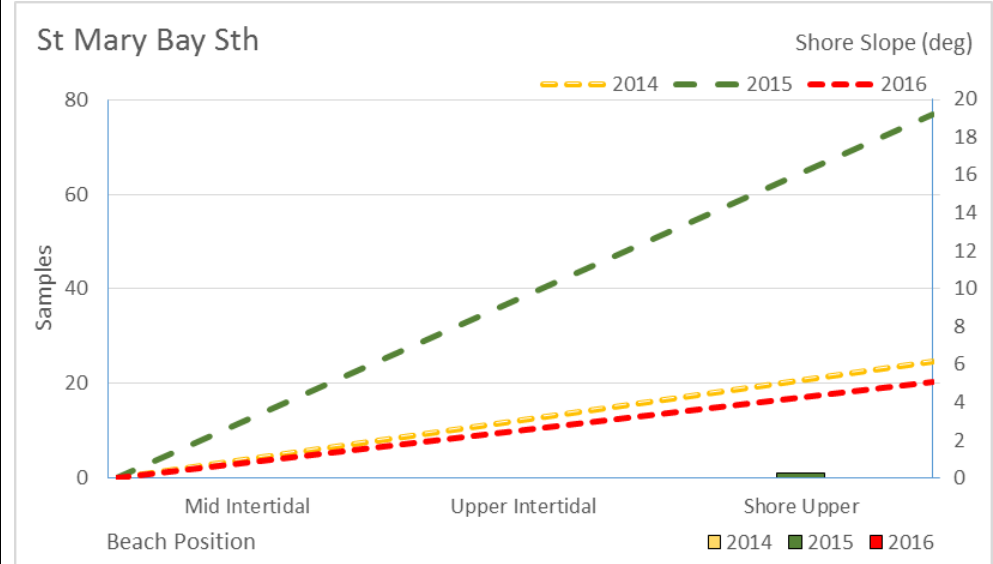
Sample Loadings per 100m Chart



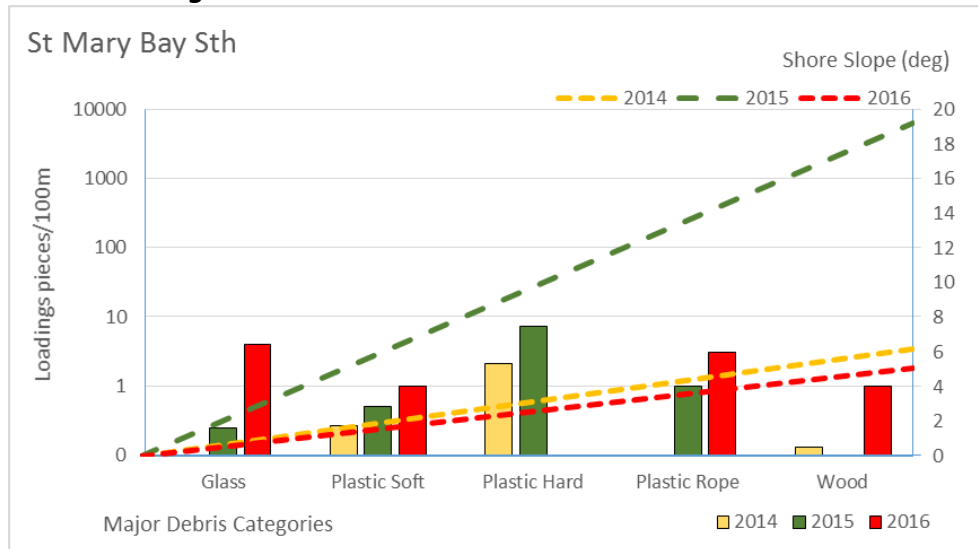
Asphaltite Frequency Chart

No asphaltites found on this beach

Tarball Frequency Chart



Debris Loadings Chart

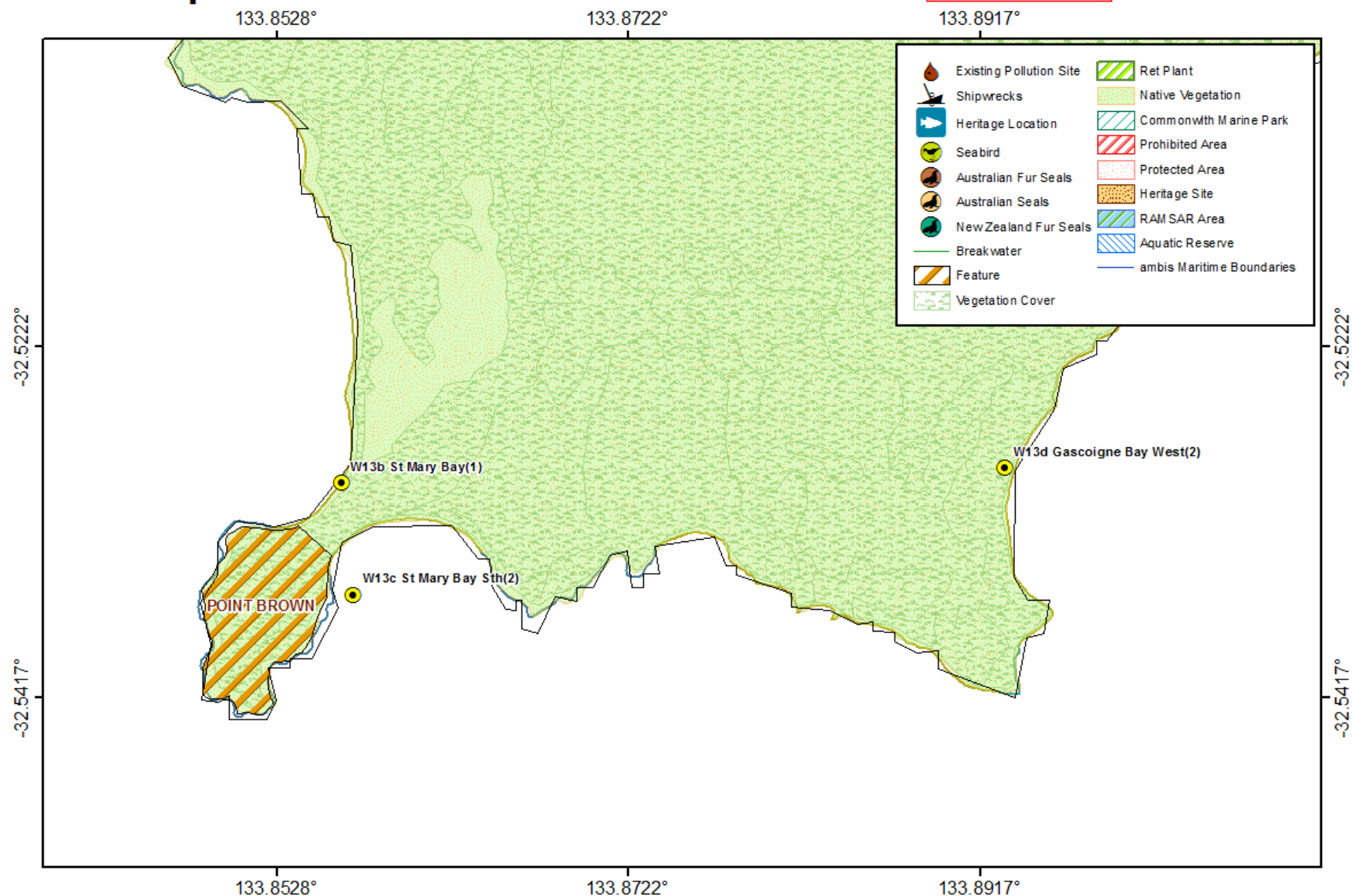


Beach details					
Beach Name:	Gascoigne Bay West		Beach ID:	W13d	Priority: 2
Access point location (DD):	Latitude: -32.529048 Longitude: 133.893233		Maximum Beach survey length (km):	0.5	
General description and information					
Beach exposure or shape:	<u>Concave (cove)</u> /Straight/Convex (headland)	Aspect:	N NE <u>E</u> SE S SW W NW	Likely beach gradient:	Shallow/ <u>Medium</u> /Steep
Beach Width:	~30m	Likely substrate:	Fine sand	Backshore type	Vegetated dunes
General description:	This beach faces southeast and is protected by Point Collinson, with shallow reefs off the low energy beach				
Beach classification	Wave dominated reflective beach				
General information:	Is backed by low stable beach-foredune ridges.				
Permits and access:	Direct access via Point Brown Road. Contact Yasmin Wolf 0447138315 if we have any problems.				

OSRA Map

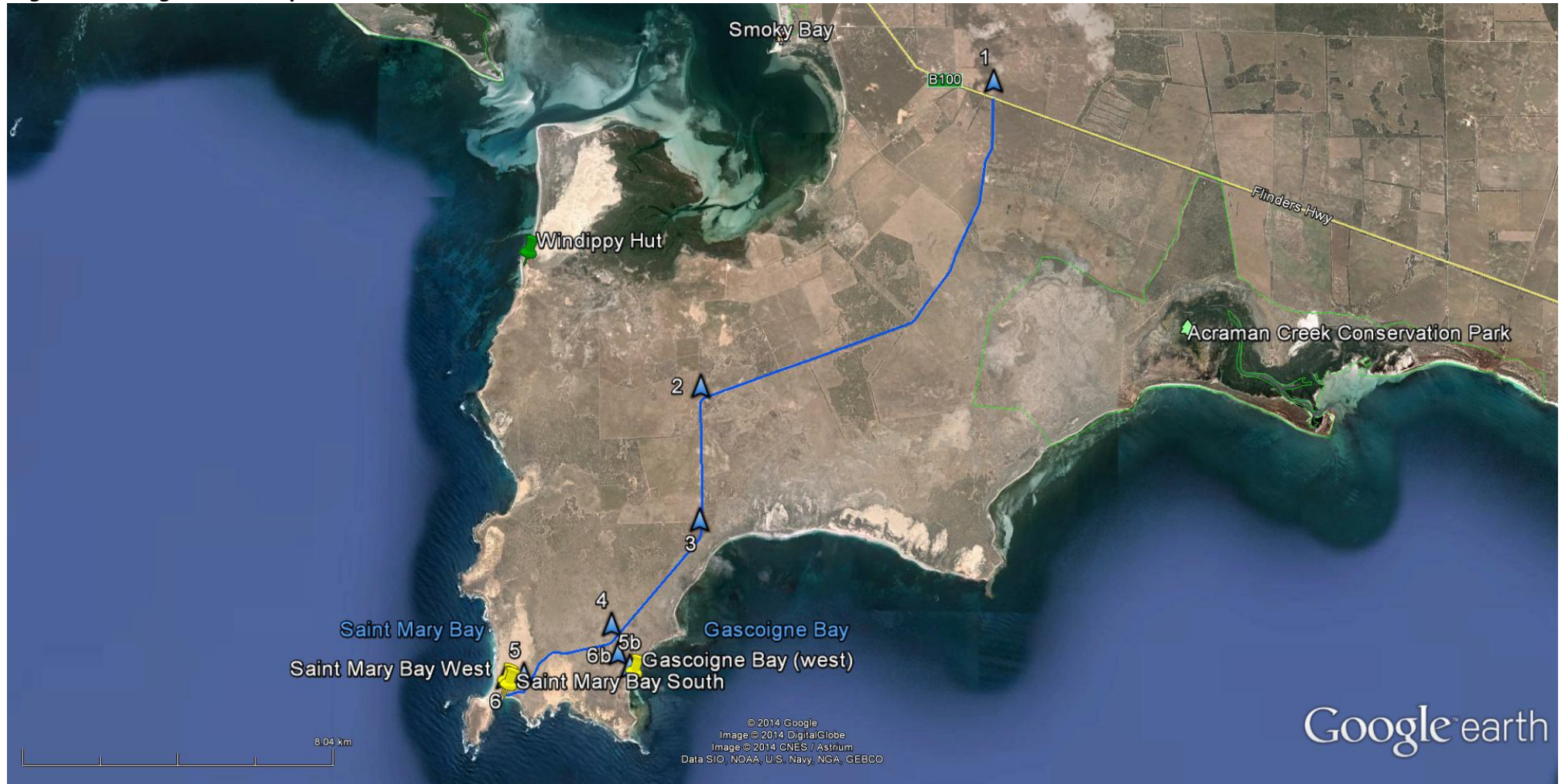
0 0.5 1 2 Kilometres

Warning: This map not to be used for navigation or measurement purposes.



Oil Spill Response Atlas (OSRA) map layers provided courtesy of the Australian Maritime Safety Authority (AMSA)

Large scale Google Earth map



Beach Survey Records

Transects and imagery



Beach: Gascoigne Bay West

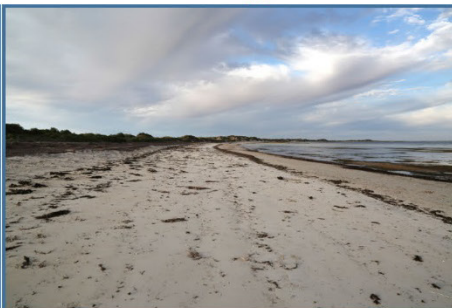
To Sea

To Shore

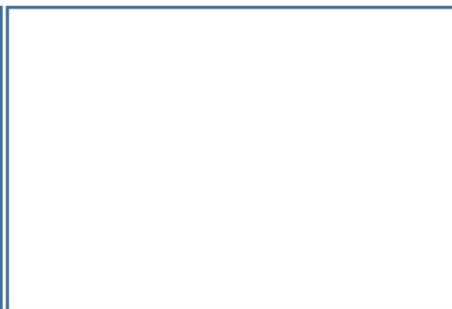
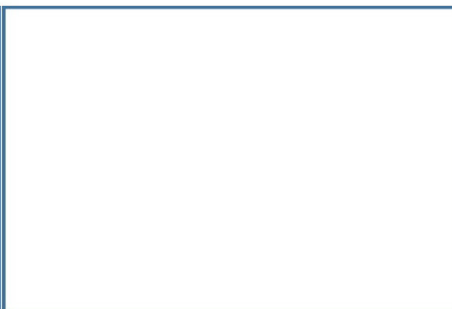
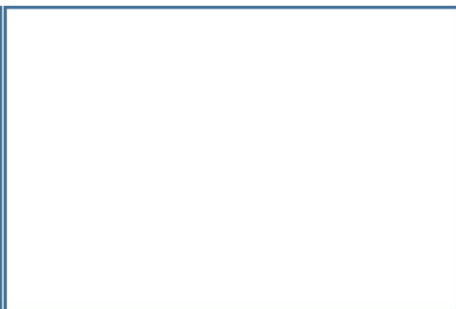
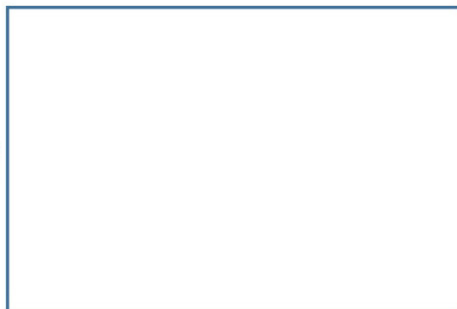
Along

Back

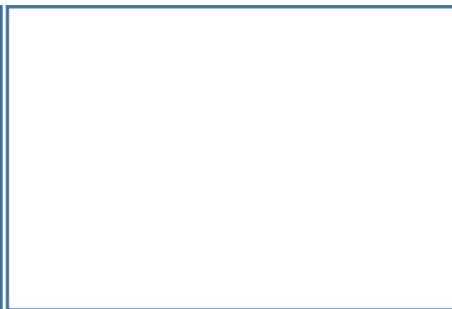
2014



2015



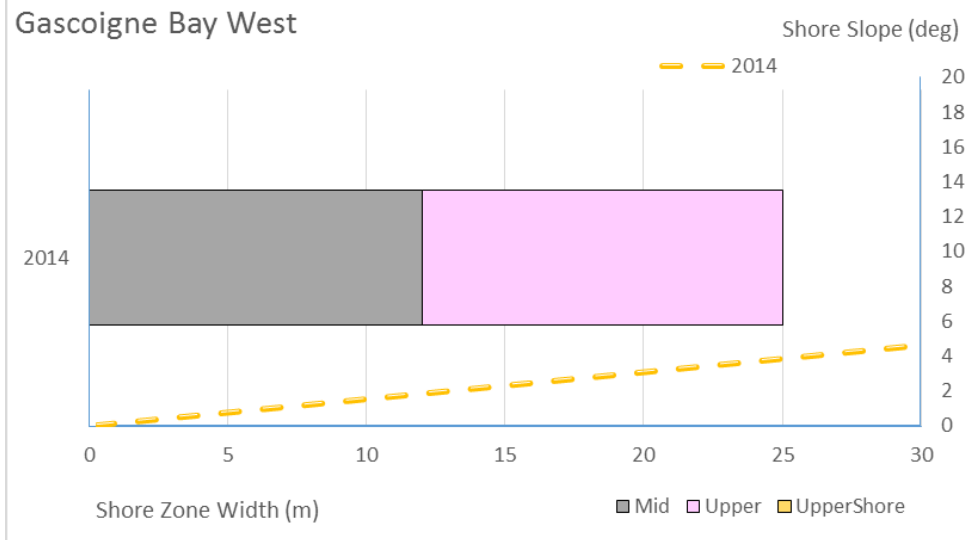
2016



Beach Summary Data

[sample types include asphaltite, tarball and resinite]

Beach Character Chart



Sample Loadings per 100m Chart

No samples found on this beach

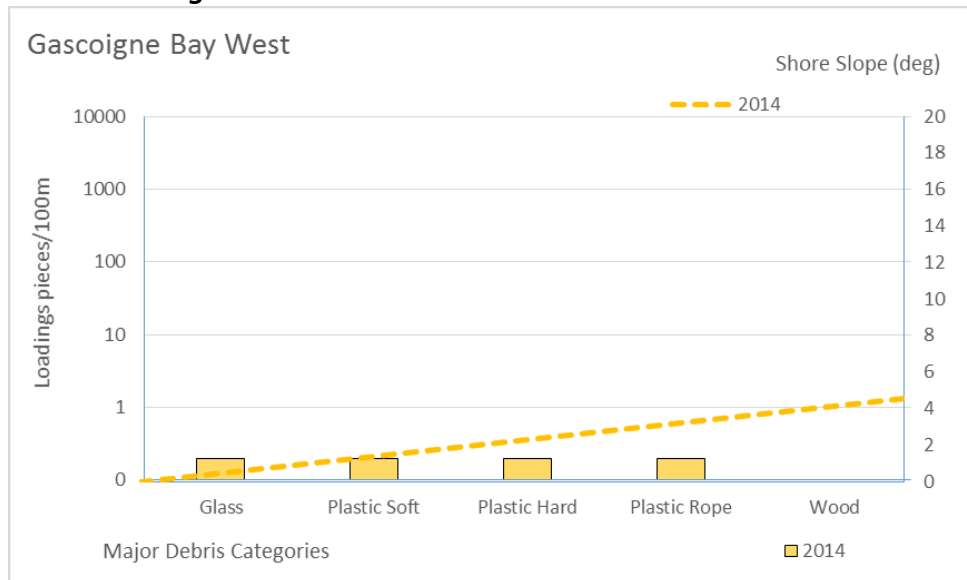
Asphaltite Frequency Chart

No asphaltites found on this beach

Tarball Frequency Chart

No tarballs found on this beach

Debris Loadings Chart

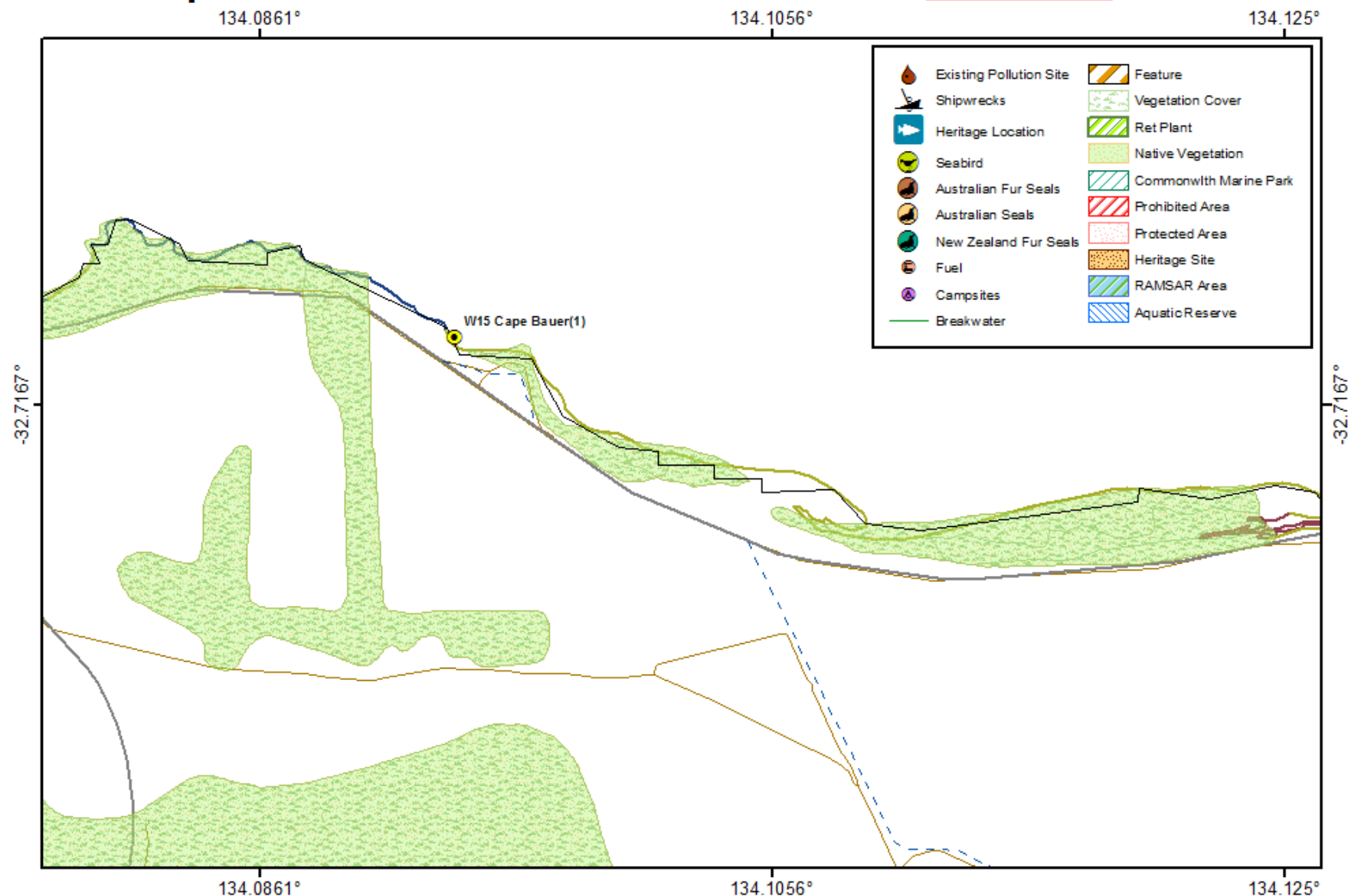


Beach details					
Beach Name:	Cape Bauer		Beach ID:	W15	Priority: 1
Access point location (DD):	Latitude: -32.7140560619 Longitude: 134.093515838999		Maximum Beach survey length (km):	1.33	
General description and information					
Beach exposure or shape:	Concave (cove)/Straight/Convex (headland)	Aspect:	N NE E SE_S SW W NW	Likely beach gradient:	Shallow/Medium/Steep
Beach Width:	~20m	Likely substrate:	Fine sand	Backshore type	Vegetated bluffs and rocky cliffs
General description:	Cape Bauer is easily reachable - drive along the unsealed Cape Bauer Road and, in approx. 16 kms, turn left onto the small road leading to a car parking. The area has a number of high cliffs and sweeping ocean views out towards Olive Island.				
Beach classification	Wave dominated reflective beach with sand flats				
General information:	Like many stretches of the Eyre Peninsula coastline, this is a significant breeding habitat for raptors such as the Southern osprey, White Bellied Sea Eagle and Peregrine Falcon. For information on how to respect these raptor breeding areas please contact the Department for Environment and Heritage office at 15 Bay Road, Streaky Bay of phone (08) 8626 1108. Lots of accumulated seagrass peat in the water and on the shore.				
Permits and access:	<p>I spoke with Louise (0886261108) who is the coastal marine officer from Cape Bauer to Sheringa Beach. She said that we would have no problem accessing the beach using the dirt track off of Cape Bauer Rd. She doesn't recommend driving onto the beach. Says it will be nesting season for some seabirds so we should be prepared for local birders getting angry at us. We should stick to Point Gibson (which is where our access point is located), because the tracks to the east can become inundated at high tide. Our current track will be fine though.</p> <p>Access is easy, get onto Cape Bauer road, follow the coast until the turn off. (Note: Original route is a little different - marked that as route B)</p> <p>(2015) – Zack spoke with different person because Louise wasn't in. He said we won't have trouble accessing. He said to give Louise a call closer to date.</p>				

OSRA Map

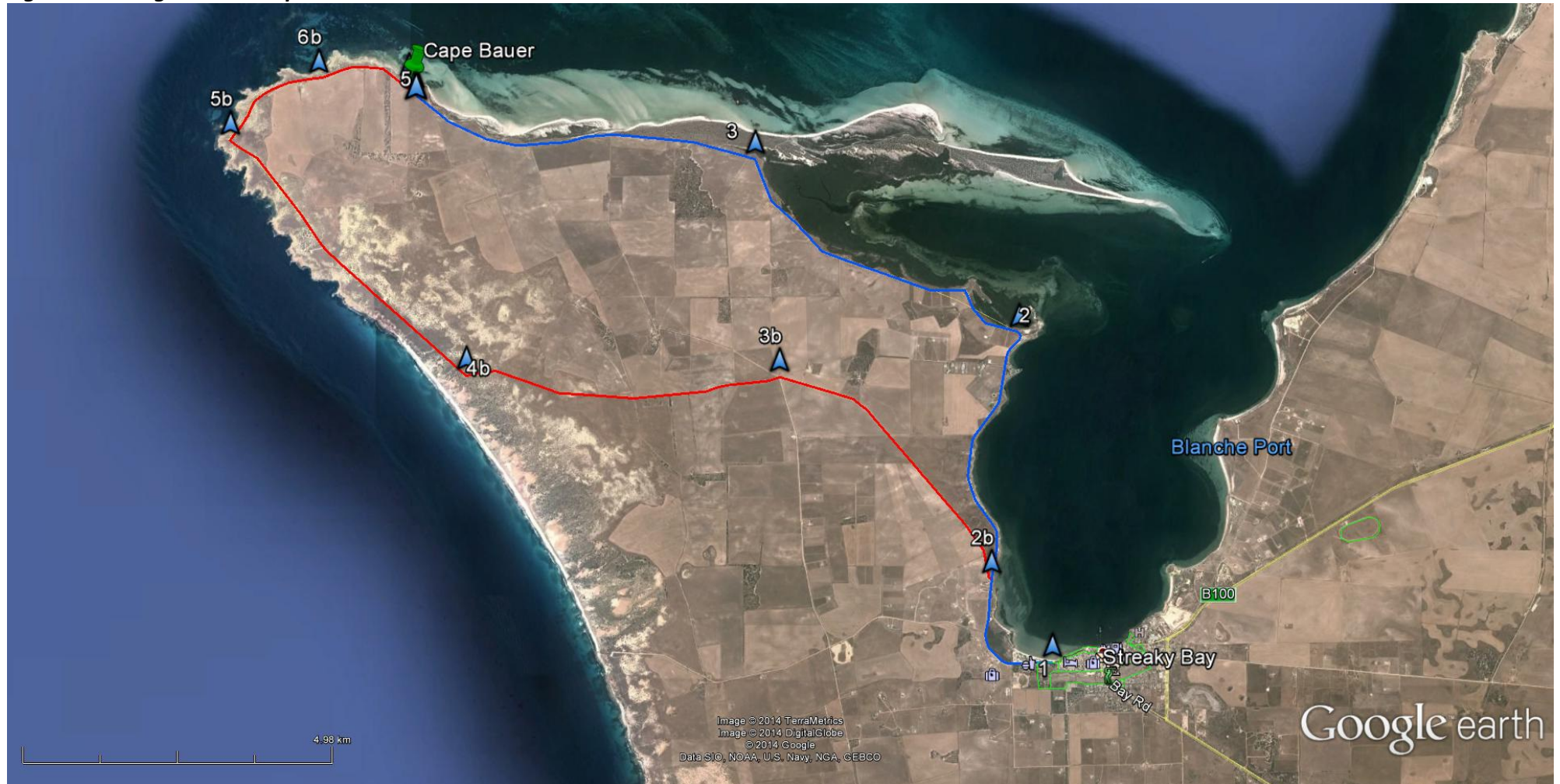
0 0.375 0.75 1.5 Kilometres

Warning: This map not to be used for navigation or measurement purposes.



Oil Spill Response Atlas (OSRA) map layers provided courtesy of the Australian Maritime Safety Authority (AMSA)

Large scale Google Earth map



Beach Survey Records

Transects and imagery



Beach: Cape Bauer

To Sea

To Shore

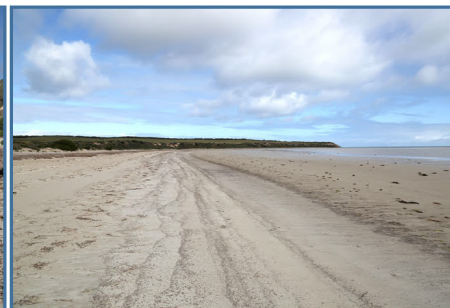
Along

Back

2014



2015



2016

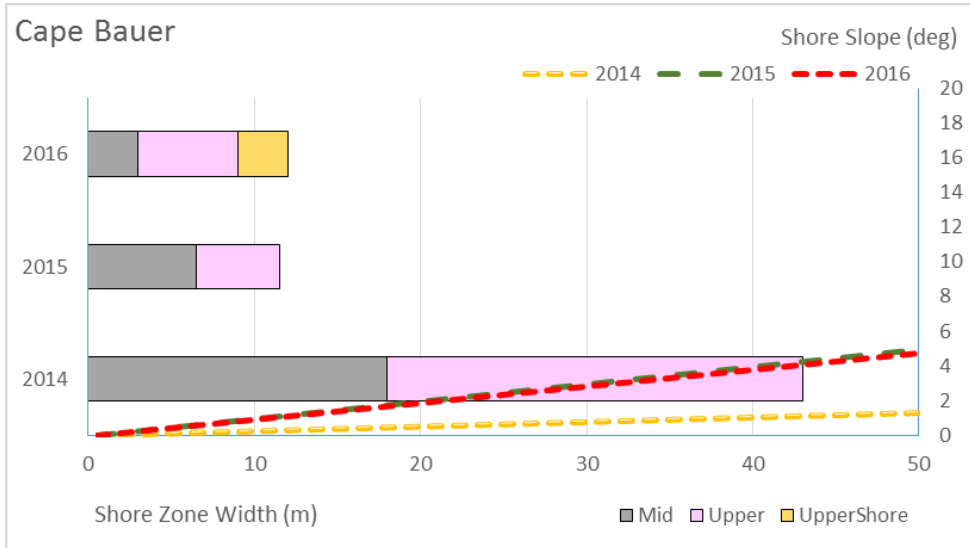


Note: 2016 end point is 700m shorter than 2014/15

Beach Summary Data

[sample types include asphaltite, tarball and resinite]

Beach Character Chart



Asphaltite Frequency Chart

No asphaltites found on this beach

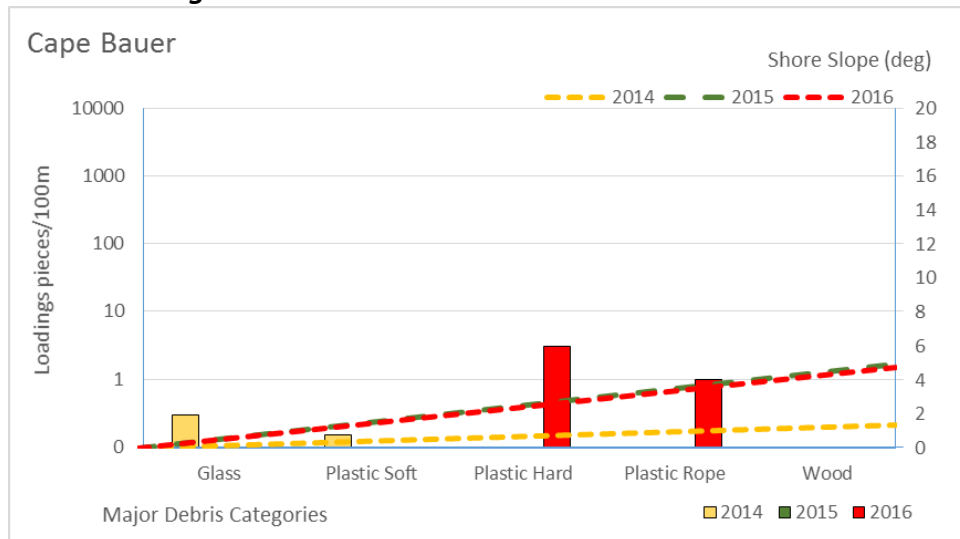
Sample Loadings per 100m Chart

No samples found on this beach

Tarball Frequency Chart

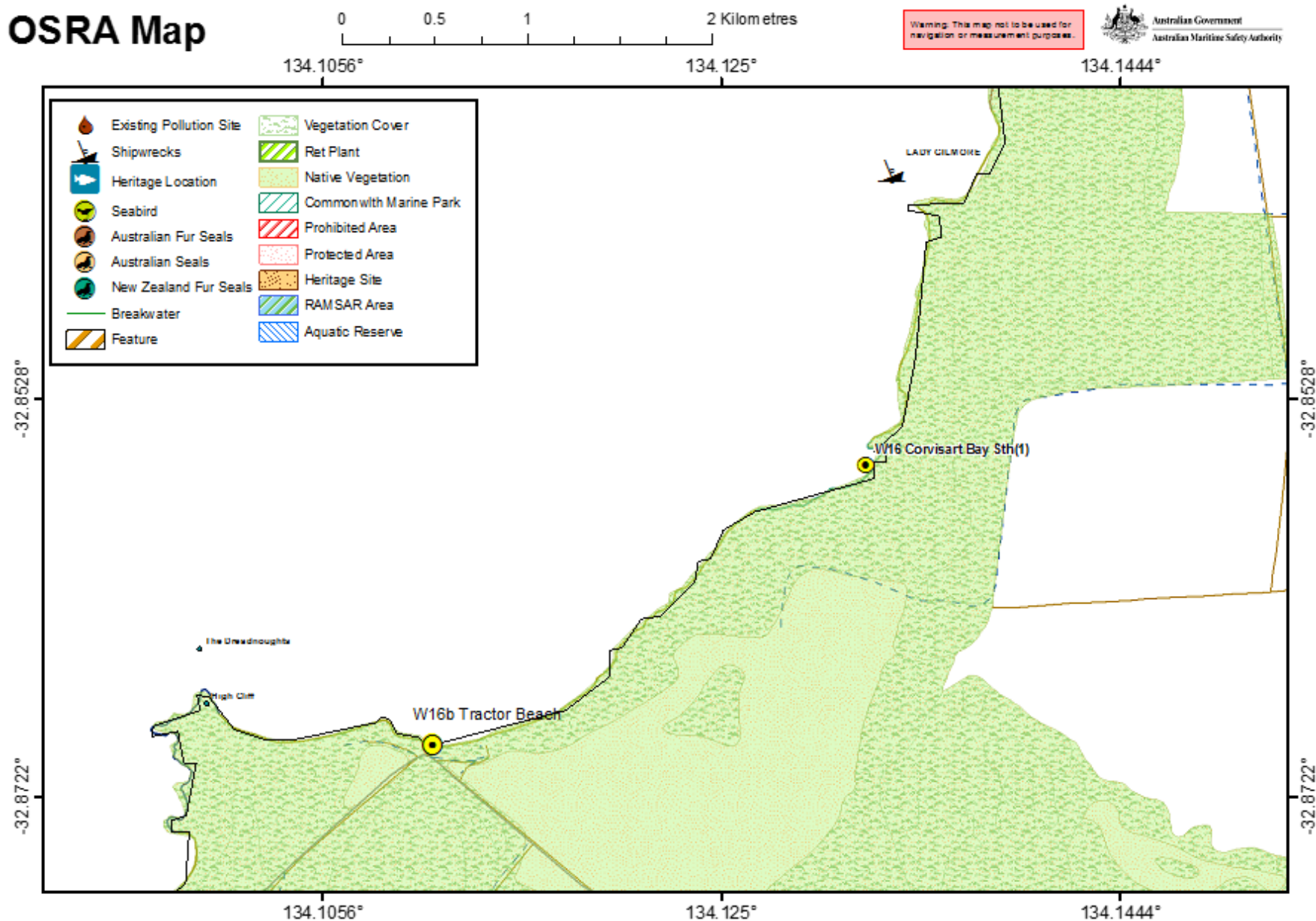
No tarballs found on this beach

Debris Loadings Chart



Beach details					
Beach Name:	Tractor Beach		Beach ID:	W16b	Priority: 2
Access point location (DD):	Latitude: -32.8560622947 Longitude: 134.131967929		Maximum Beach survey length (km):	0.82	
General description and information					
Beach exposure or shape:	<u>Concave (cove)</u> /Straight/Convex (headland)	Aspect:	N NE E SE_S SW <u>W NW</u>	Likely beach gradient:	Shallow/ <u>Medium</u> /Steep
Beach Width:	~20m	Likely substrate:	Pebbles/rocks	Backshore type	Vegetated bluffs dune rocks
General description:	18 km long exposed west to southwest facing embayment, bounded by Cape Bauer in the north and The Dreadnoughts in the south. The bay and its shore have been battered by strong westerly waves and winds, leaving generally depleted narrow beaches, interspersed with beach and dune rock.				
Beach classification	Assumed Wave dominated				
General information:	The eight beaches are all backed by eroded calcarenite bluffs, partly covered by clifftop dunes extending up to 2 km inland. The southernmost bay beach (1146) is a crenulated 2 km long northwest facing beach moderately protected by High Cliff headland. It consists of a narrow high tide beach, fronted by a near continuous calcarenite reef, and backed by low bluffs and a foredune.				
Permits and access:	Beach is easily accessible via Westall Rd. Parking area located steps from the beach. Possible to drive directly on to beach, however, sand looked soft. (2015) – Zack spoke with different person because Louise wasn’t in. He said we won’t have trouble accessing. He said to give Louise a call closer to date.				

OSRA Map



Oil Spill Response Atlas (OSRA) map layers provided courtesy of the Australian Maritime Safety Authority (AMSA)