

SA Heritage Register

Nomination form



Government of South Australia
Department of Environment,
Water and Natural Resources

NOMINATION FORM

To help your nomination be successful, please fill out this form with as much information as possible.

Feel free to expand the answer fields as much as you require or append information to the form.

It is important that you attach images and a map of what you are nominating by email or by fax.

For assistance with this form you may contact:

Your local historical society or heritage adviser may be of assistance OR you may telephone an assessment officer in DEWNR on (08) 8124 4960.

A. Nominated Place

1. Name	
Name of Place / Object:	Stranded Shingle Beach Ridges of Upper Spencer Gulf
Any other or former name(s):	Not to my knowledge
Is the place already on another heritage list?	Not to my knowledge

2. Location					
Street Address:	Stony Point near Whyalla – north along western coastline of Upper Spencer Gulf to near Port Augusta				
	Suburb / Town:			Post Code:	
Local Council Name:	WHYALLA / PORT AUGUSTA				
Land Description: (if known)	Title:	Volume:	Folio:	Parcel Type:	Parcel No:
	Plan Type:	Plan No:	Section:	Hundred:	
GPS Location/s: (If known)	Longitude / Easting / X		Latitude / Northing / Y (Datum =)		

3. Ownership	
Name of Owner(s):	██████████
Contact person: (if different from owner explain relationship)	██████████
Postal Address:	Street Address: ██████████
	Suburb / Town: ██████████ Post Code: ██████
Phone Number:	
Ownership History:	

4. Nominator (your details)	
Your Name/s:	██████████
Organisation/Position:	██
Daytime Phone:	██████████
Fax:	
Postal Address:	██████████
	██████████ Post Code: ██████
Email Address:	██████████

B. Description

5. Description of nominated place or object	
Description of the nominated place or object and its current condition:	Stranded Shingle Beach deposits of Upper Spencer Gulf have been traced over a distance of 50 Kms from near the head of Spencer Gulf southwards along its western shore to Stony Point, near Whyalla.
Are you aware of any modifications or additions to the place or object? Can you provide dates for these changes?	During 2011/12 a project was undertaken to protect the Ridges. Geological and Re-vegetation barriers were installed at many locations between Fitzgerald Bay and One Shack Bay to the north.
Do you believe there may be historical items under the ground? Should an archaeological investigation be considered?	Not to my knowledge.
Date you inspected the place or object:	2011 / 2012
Current use of the place or object:	A special place to visit and observe
Original or former use(s):	N/A
Are there any current or long term threats to the nominated place or object?	Barriers were put in place due to the proliferation of ad hoc vehicle tracks and inappropriate use by 4WD's and motorbikes. The results have been satisfying.
Name of Builder:	N/A
Any other information:	Interpretative signs were also installed at three locations to highlight the significance of the ridges.

C. History

6. Origins and history	
Years of Construction:	Pleistocene is a geological time covering 1.6 million to 10,000 years ago
Name of Designer / Architect:	
History of the nominated place or object:	The ridges are a distinctive geological feature which is believed to date back to the Pleistocene period (1.6 million to 10,000 years ago) and are the only geological feature of this kind in South Australia and are uncommon in Australia.
Historical sources used to support your nomination: Please attach copies of pages from publications or newspaper articles as appropriate. See attachment: Hails&Gostin	Stranded Shingle Beach Ridges Upper Spencer Gulf Southern Australia Evidence For High Wave Energy Dissipation During The Late Pleistocene By: Hails, J R - Gostin, V A Type: Article In: Transactions of The Royal Society of South Australia Volume: 102 Date: 1978 Page Range: 169--174

D. Heritage Significance

7. Statement of State Significance - Why is the place or object important to South Australia?

It is of State heritage significance because the Stranded Shingle Beach Ridges of Upper Spencer Gulf are the only distinctive geological features of this kind in South Australia.

8. Significance Criteria

The South Australian *Heritage Places Act 1993* lists seven criteria by which places are assessed as 'State significant.' Please tick the criteria you feel the place demonstrates and explain your reasons.

- | | | |
|--------------------------|--|---|
| <input type="checkbox"/> | It demonstrates important aspects of the evolution or pattern of the State's history. | It is probable this shingle sediment was deposited in the Pleistocene era at a time when the melting of ice during the last interglacial period caused sea level to be three metres higher than today. |
| <input type="checkbox"/> | It has rare, uncommon or endangered qualities that are of cultural significance. | Composed of quartzite pebbles these deposits are an ancient geological treasure. |
| <input type="checkbox"/> | It may yield information that will contribute to an understanding of the State's history, including its natural history. | Studying these ridges may reveal valuable information about climatic and environmental changes in the past that can help us better understand and plan for the impacts of climate change in future. |
| <input type="checkbox"/> | It is an outstanding representative of a particular class of places of cultural significance. | |
| <input type="checkbox"/> | It demonstrates a high degree of creative, aesthetic or technical accomplishment or is an outstanding representative of particular construction techniques or design characteristics. | |
| <input type="checkbox"/> | It has strong cultural or spiritual associations for the community or a group within it. | They have, important indigenous significance with the belief that they are connected to the 'Seven Sisters' in 'The Dreaming' of local Barnjarla people. The story of the Whyalla region connects the local people to other indigenous groups in the form of 'Dreaming Trails' which stretch across to Western Australia and as far north as Uluru. |
| <input type="checkbox"/> | It has a special association with the life or work of a person or organisation or an event of historical importance. | |

E. Additional Information

9. Images/Maps/Diagrams/Site Plans

A full range of images including maps, site plans, and photographs will help your nomination.

Please provide:

- a clear outline of the place or object being nominated within any maps or plans provided
- high quality images of the place or object (please list the total number of images being provided)
- the subject of each image
- the date each image was created
- the author of each image, and
- the copyright holder of each image (if known)

Paste images here:

See attachment: Ridges mar14 (11 Slides) Presentation & Photos – [REDACTED]

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NOMINATION FORM

The South Australian Heritage Council is committed to transparency in relation to the listing process and wishes to enhance public confidence in the nomination, listing and decision-making process. The Council's policy is to make nominations for State heritage listing and submissions on provisional entries publicly available via webpage or to interested parties. The Council will adhere to the Privacy Principles and your name and personal details will not be released.

We, Cultana Jenkins Shackowners Association nominate Stranded Shingle Beach Ridges to be heritage listed.

The information we have provided is correct to our knowledge.

Your Signature/s:



Date: 19th March 2014

The personal information collected from this form will be handled in accordance with the Department of Environment, Water and Natural Resources privacy statement. Personal information provided in this application may be provided to other SA Government agencies.

A heritage officer may contact you to discuss aspects of the nomination.

Nomination Form Checklist

Please check that your nomination includes:

- A clear indication of the location of the place or object (including map/s). Where a number of features are nominated, show the location of each and/or a boundary surrounding the significant elements of the site.
- A history of the place or object explaining important aspects relevant to the nomination.
This should generally help support arguments of cultural significance.
- A clear description of the nominated place or object/s.
- A statement of significance and indication on how the place or object satisfies one or more of the significance criteria.
- A heritage officer may contact you to discuss aspects of the nomination.

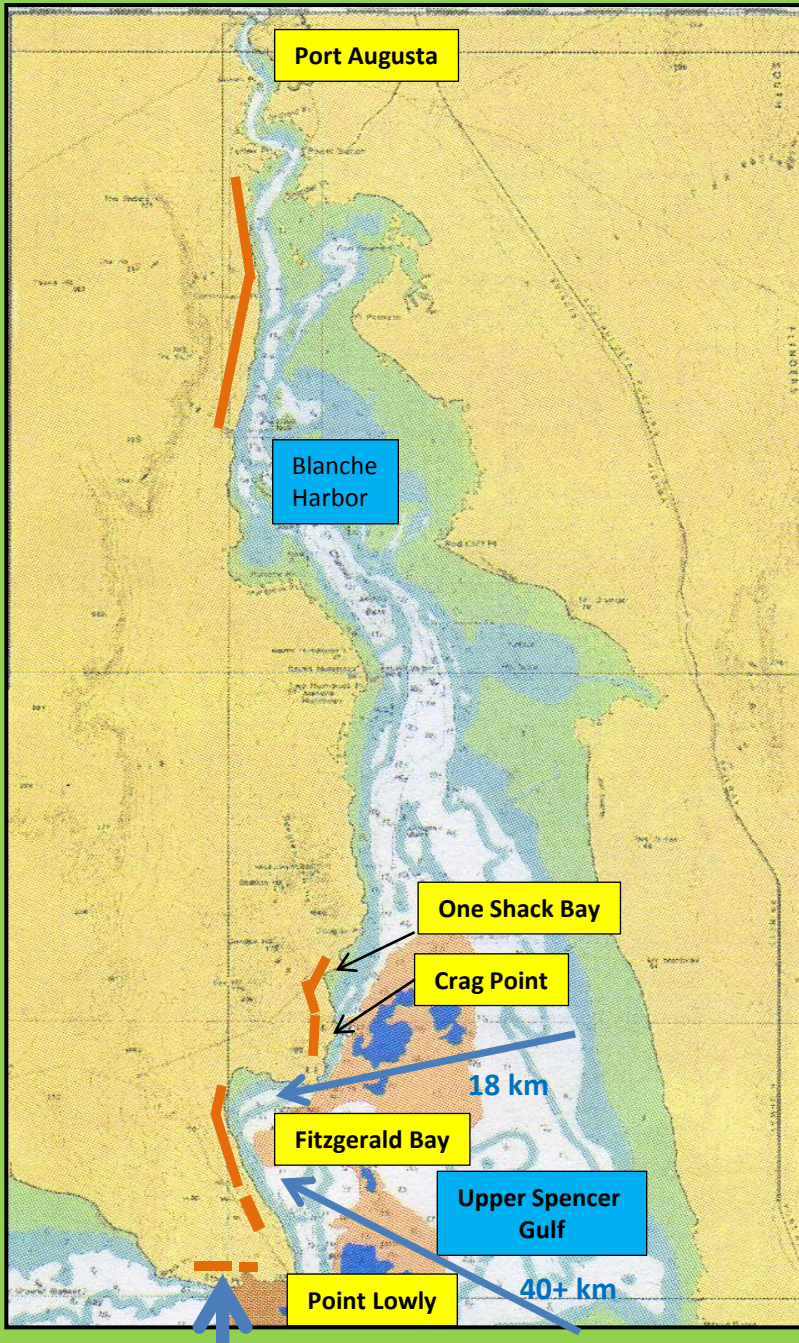
Email: DEWNRHeritage@sa.gov.au

Post: Executive Officer, South Australian Heritage Council
Department of Environment, Water and Natural Resources
GPO Box 1047, Adelaide 5001



***Stranded Shingle Beach Ridges
Fitzgerald Bay & Beyond***


mar14




Stranded Shingle Beach Ridges

Stranded shingle beach deposits of the Upper Spencer Gulf have been traced over a distance of 50 kms from near the head of Spencer Gulf southwards along its western shore to Stony Point, near Whyalla.

Ancient Pleistocene era shoreline was 3 metres higher than current sea level

 Location of ancient stranded beach deposits

 Length of wave fetch over the 3 metre deeper Pleistocene gulf waters

 Longest wave fetch

Fetch

The size of a wave depends on its fetch. The fetch is the distance a wave travels. The greater the fetch, the larger the wave. Wind also has a significant effect on the size of waves. The stronger the wind the larger the wave.

Note: Pleistocene pronounced *Ply-stow-seen* is a geological time covering 1.6 million to 10,000 years ago.



Crag Point jun11

These long ridges may look like man-made structures formed from pebbles, but in fact these very distinctive flat-topped ridges are a natural phenomenon. They are an ancient geological treasure known as a stranded shingle beach ridge. They are very rare in Australia and only ones of their kind in South Australia.



Fitzgerald Bay feb11

Composed of quartzite pebbles, these stranded beach deposits originally came from a nearby plateau which the sea eroded and then deposited on to the beach by strong wave action. The shoreline was therefore once near the foot of the ridge and, when the sea retreated, the shingle beach deposit was left stranded high above the present-day sea level. In the Fitzgerald Bay area the deposits form unusual sinuous, flat topped and well preserved ridges 3 to 5 metres above the present-day sea level.



Fitzgerald Bay feb11

Composed quartzite pebbles are moderately sorted, rounded to sub-angular



Fitzgerald Bay feb11

Stranded shingle ridges are geological features made from a beach deposit of sediment well above sea level. It is probable this shingle sediment was deposited in the Pleistocene era at a time when the melting of ice during the last interglacial period caused sea level to be three metres higher than today.



Fitzgerald Bay feb11

We need to take care of this significant geological phenomenon

They are also part of our natural heritage and knowledge from studying these ridges leads to a more complete grasp of how the dynamic forces of climate change and sea level rise in the future will affect our coastal areas.



**Geological Sign
Crag Point nov11**

**Interpretative Sign
One Shack Bay nov11**



