

Memorandum

To	Lisa Lagrange llagrange@sahra.org.za	From	South African Heritage Resources Agency (SAHRA)
Copy	Mieke Barry	Reference	113148
Date	10 November 2016	Pages (including this page)	3
Subject	Proclaimed Fishing Harbours - NHRA Process for Harbour Upgrades and Removal of Sunken Vessels		

Dear Lisa

Our telephone discussion on 5 October 2016 regarding the above-mentioned project has reference.

Aurecon South Africa (Pty) Ltd has been appointed by Coega Development Corporation (CDC) as the implementing agent for the Department of Public Works to undertake professional services for the upgrade of Package 3 of the Proclaimed Fishing Harbours Programme, which includes Lambert's Bay, Laaiplek and St Helena Bay Harbours.

Part of the scope of works entails determining whether any environmental or heritage permitting would be required. We hereby request, your assistance in determining if any of the upgrade works to existing harbour infrastructure and the removal of sunken vessels will require permitting in terms of the National Heritage Resources Act (Act no. 25 of 1999).

Details on each harbour and the sunken vessels within them is provided below.

1. History of Harbour Layouts

Refer to Appendix A indicating the history of harbour layouts using admiralty charts.

2. Anticipated works

The anticipated works to be carried out per harbour is shown in Table 1.

Table 1: Anticipated infrastructure upgrade, basin dredging and wreck removal works to be undertaken

Harbour	Infrastructure Management Services (RFP reference)	Infrastructure Element (Priority Ranking reference)	Works Required and Amounts
St Helena Bay	Dredging of Harbour Basins	Dredging	Assumption: <ul style="list-style-type: none"> ■ 1m depth over an area of 6,000m² ■ Dredge volume of 6,000m³
	Repairs to Wooden Jetties	Timber Quay 1	Timber quay assumption: <ul style="list-style-type: none"> ■ Approx. 70 piles ■ Concrete works approx. 50m³ ■ Drilling and impact noise ■ Precast concrete U-beams & support elements (super structure) ■ Precast fender boards ■ Cast in-situ topping (super structure)

Harbour	Infrastructure Management Services (RFP reference)	Infrastructure Element (Priority Ranking reference)	Works Required and Amounts
	Removal of Sunken Vessels	Sunken Vessels	<ul style="list-style-type: none"> Removal of 4 sunken vessels
Laiplek	Dredging of Harbour Basins	Dredging	Assumption: <ul style="list-style-type: none"> 0.5m depth over an area of 21,000m² Dredge volume of 10,500m³
	Removal of Sunken Vessels	Sunken Vessels	Removal of 2 sunken vessels
	Infrastructure Repairs	Timber Quay, Coastal Erosion, Eastern Breakwater, Western Breakwater, Middle Training Wall, Western Training Wall and Middle Breakwater	Timber quay assumption: <ul style="list-style-type: none"> Approx. 430 piles Concrete works approx. 250m³ Drilling and impact noise Precast concrete U-beams & support elements (super structure) Precast fender boards Cast in-situ topping (super structure)
Lambert's Bay	Repairs to Embankments	N/A	-
	Dredging of Harbour Basins	Dredging	Assumption: <ul style="list-style-type: none"> 1m depth over an area of 33,500m² Dredge volume of 33,500m³
	Removal of Sunken Vessels	Sunken Vessels	<ul style="list-style-type: none"> Removal of 2 sunken vessels
	Infrastructure Repairs	Revetment, Aids to Navigation – support structure, Western Breakwater, Southern Breakwater, Main Quay and Finger Jetty	Rubble revetment replacement with concrete deck-on-piles assumptions: <ul style="list-style-type: none"> Approx. 40 piles Concrete works approx. 30m³ Drilling and impact noise Precast concrete U-beams & support elements (super structure) Precast fender boards Cast in-situ topping (super structure) Place rip-rap Removal of rubble revetment

3. Sunken vessels

Table 2 below shows the vessel names of wrecks per harbour with their approximate coordinates and nearest dates of abandonment.

Table 2: Details of wrecks and sunken vessels per harbour

Harbour	Vessel Name	Latitude	Longitude	(Approximate date)
St Helena Bay	Groenveld	32° 44' 28.77" S	18° 0' 56.2" E	2013-01-11
	Santa Monica	32° 44' 28.6" S	18° 0' 55.47" E	2013-01-11
	Capricorn	32° 44' 32.04" S	18° 0' 53.59" E	2013-01-11
	Pioneer	32° 44' 32.36" S	18° 0' 53.11" E	2013-01-11
	Atlantic Privateer	32° 44' 30.18" S	18° 0' 51.21" E	2002-07-01
Laaiplek	Kranzberg	32° 46' 13.17" S	18° 8' 48.47" E	2004-10-27
	Marthino	32° 46' 15.86" S	18° 9' 0.14" E	2004-03-18
Lambert's Bay	Connie	32° 5' 29.65" S	18° 18' 11.49" E	2014-09-14
	Sea Hawk	32° 5' 29.51" S	18° 18' 12.74" E	2009-07-21

Appendix B indicates the location of the wrecks and sunken vessels. Also attached to this email, are the Google Earth files (.kmz) for your reference.

We appreciate your assistance in determining whether heritage permitting will be required. Should the latter be applicable, it would be appreciated if you can provide guidance on the relevant process to be followed?

Yours sincerely,



Tamryn Johnson

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Small Harbours – Work Package 3

History of harbour layouts

November 2016



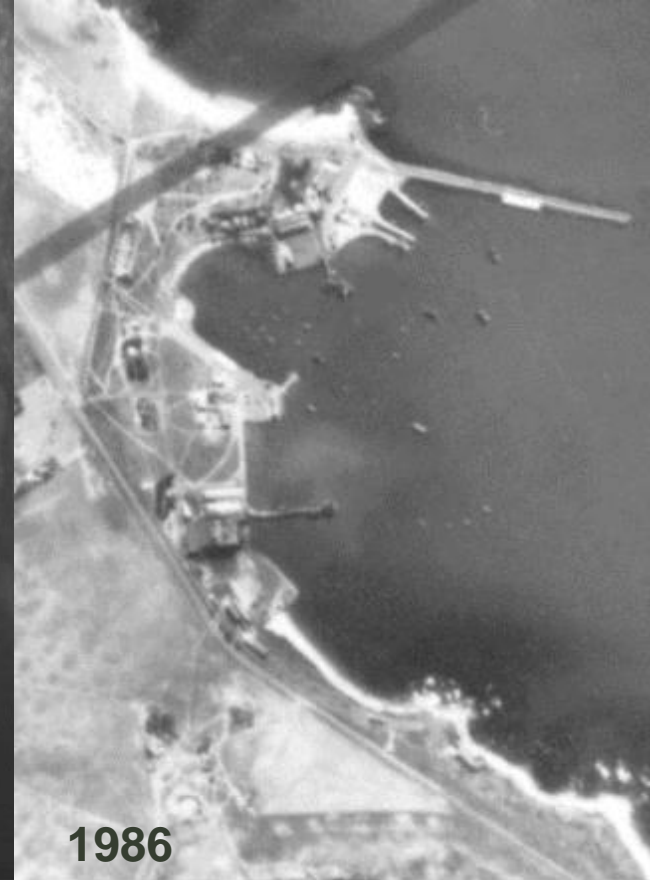
1960

No breakwaters



1971

- Main breakwater with coastal quay
- Jetty 3 (concrete)
- All hardstand areas



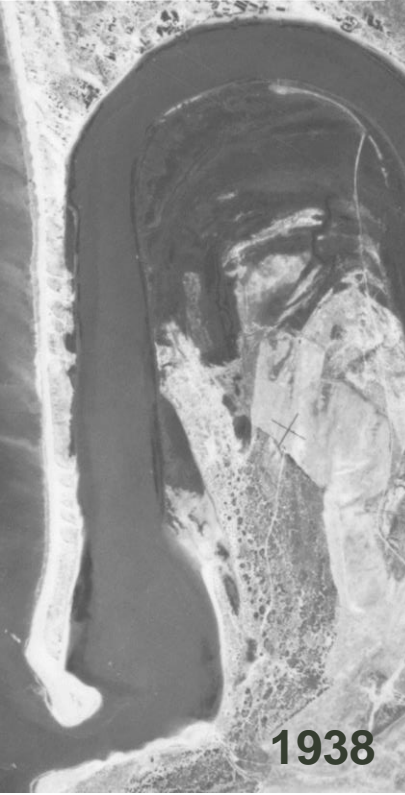
1986

- All other infrastructure elements

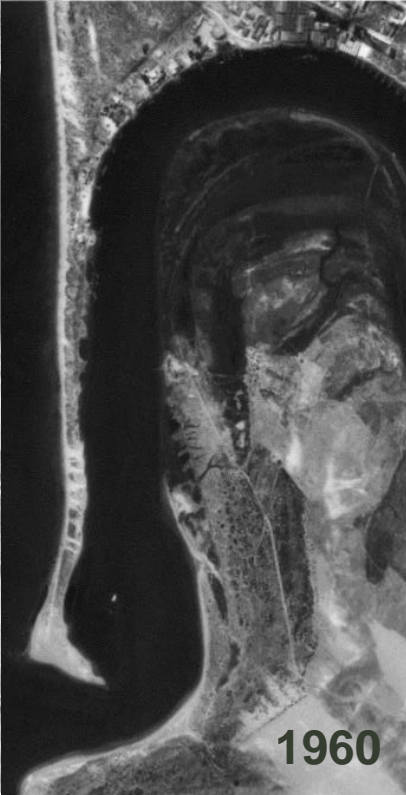
St Helena Bay Harbour

History of harbour layout

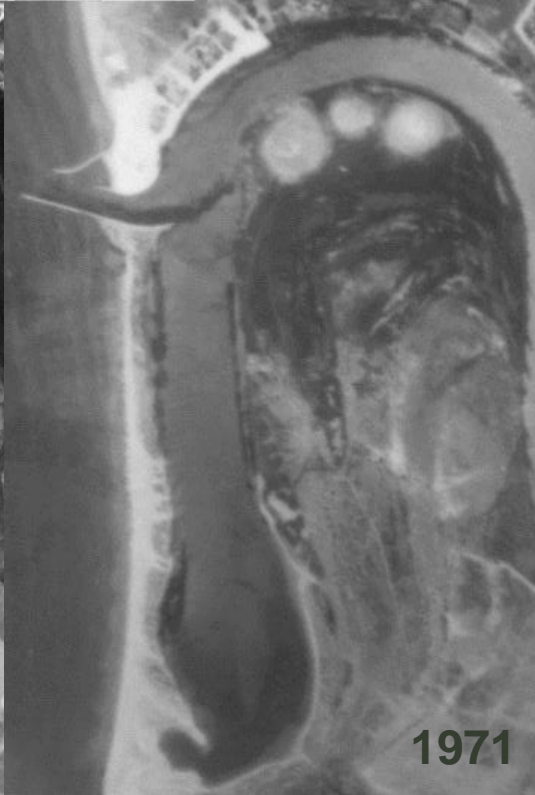
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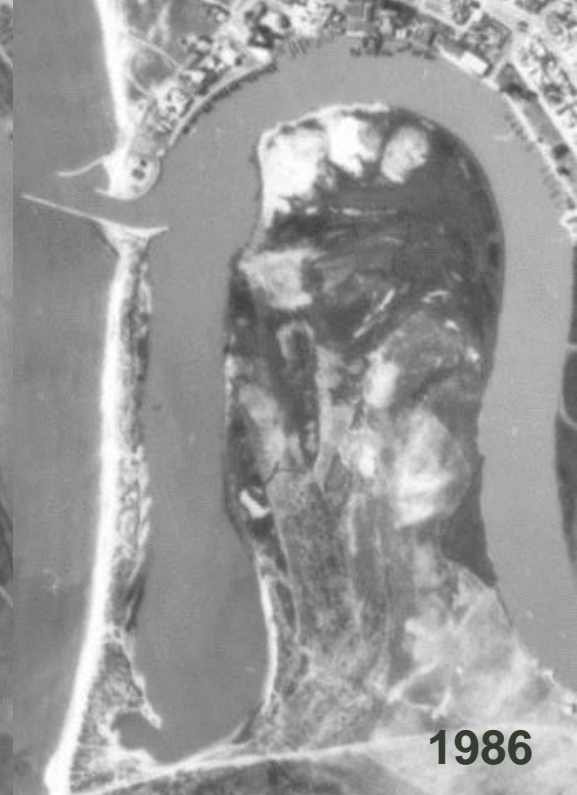
1938



1960



1971



1986

Sparsely distributed informal jetties

More informal jetties

- Breakwaters and training walls built
- New estuary mouth formed

- Timber quay built
- Harbour formalised



2004

Laaiplek Harbour

History of harbour layout

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1960

- Western Breakwater present, but without timber quay
- Southern Breakwater not connected to mainland



1971

- Southern Breakwater connected with mainland
- Eastern breakwater and hardstand area partially built



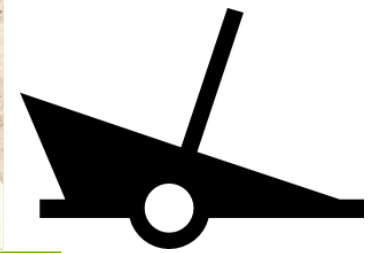
1986

- All other infrastructure elements

Lambert's Bay Harbour

History of harbour layout

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Small Harbours – Work Package 3

Wrecks and sunken vessels

November 2016

*Bringing ideas
to life*

St Helena Bay Harbour

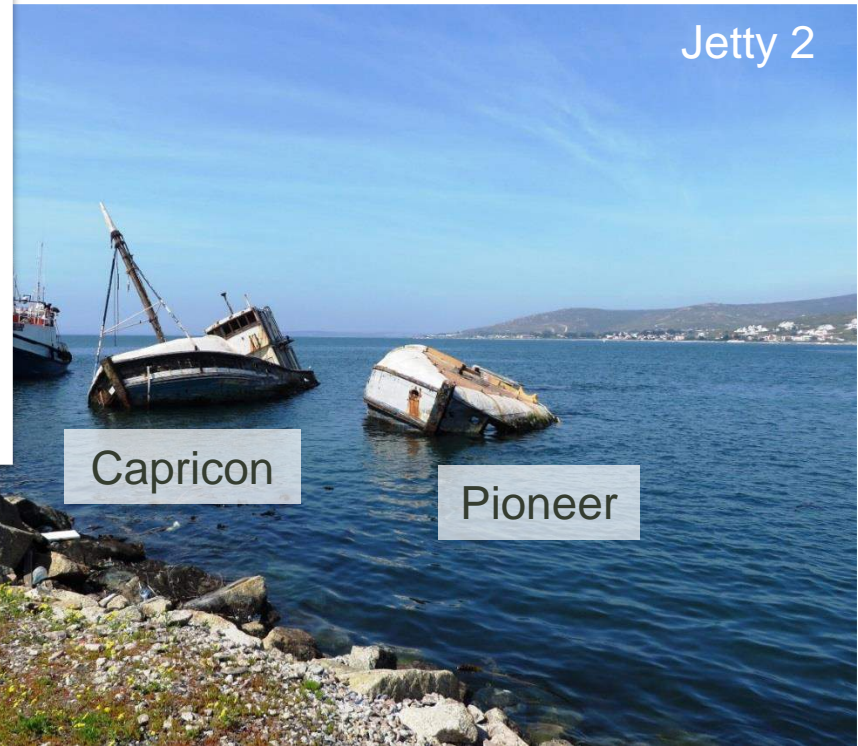
St Helena Bay Harbour Layout



St Helena Bay Harbour Layout



St Helena Bay Harbour



*Bringing ideas
to life*

Laaiplek Harbour

Laaiplek Harbour Layout



Laaiplek Harbour Layout



Laaiplek Harbour



Marthino

Timber Quay Eastern end



Kranzberg

Timber Quay Western end

*Bringing ideas
to life*

Lambert's Bay Harbour

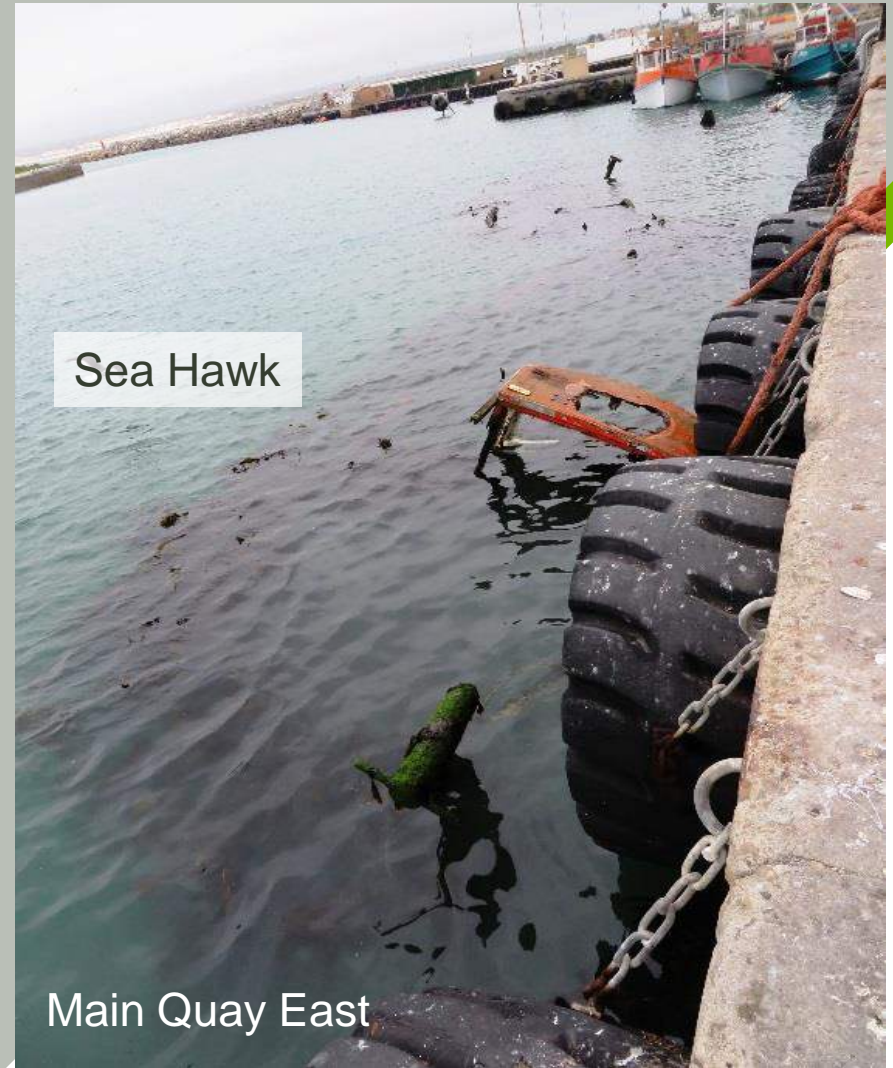
Lambert's Bay Harbour



Lambert's Bay Harbour



Lambert's Bay Harbour





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