

APPENDIX 5.3 – ARCHAEOLOGICAL STATEMENT



23 September 2023

Att: Melissa Gopaul
Triplo4 Sustainable Solutions (Pty) Ltd
Suite 5, The Circles Business Centre
Douglas Crowe Drive
Ballito
4420

Dear Ms. Gopaul,

PROPOSED KARPOWERSHIP AT THE PORT OF NGQURA: PROPOSED NEW TRANSMISSION LINE LAYOUT

With reference to:

Figure 1: New layout of the transmission line, and

Figure 2: Position of the Switching Station

Please be aware that Later Stone Age (LSA) shell middens were recorded by the archaeologist, Dr Johann Binneman in Zone 10 at the coast, during a survey of the greater Coega Industrial Development Zone (IDZ). According to Binneman¹ (2010), Zone 10 is considered 'the most sensitive' zone within the entire Coega IDZ.

However, indications are that the layout of the proposed new transmission line and position of the Switching Station, does not pose a significant threat to local archaeological heritage resources, where the receiving environment is already transformed.

As long as the recommendations made in the 2022 Archaeological Impact Assessment (AIA) conducted by ACRM², are adhered to, no further archaeological mitigation is required.

Kind regards,

Jonathan Kaplan

¹ Binneman, J. 2010. A Phase 1 Archaeological Impact Assessment of the greater Coega Industrial Development Zone (IDZ), near Port Elizabeth, Nelson Mandela Bay Municipality, Eastern Cape. Province. Report prepared for Coega Industrial Development Corporation (Pty) Ltd. Eastern Cape Heritage Consultants, Jeffery's Bay.

² Kaplan, J. 2021. Archaeological Impact Assessment, proposed Karpower ship at the Port of Ngqura, Eastern Cape province. Report prepared for Triplo4 Sustainable Solutions(Pty) Ltd. ACRM, Cape Town

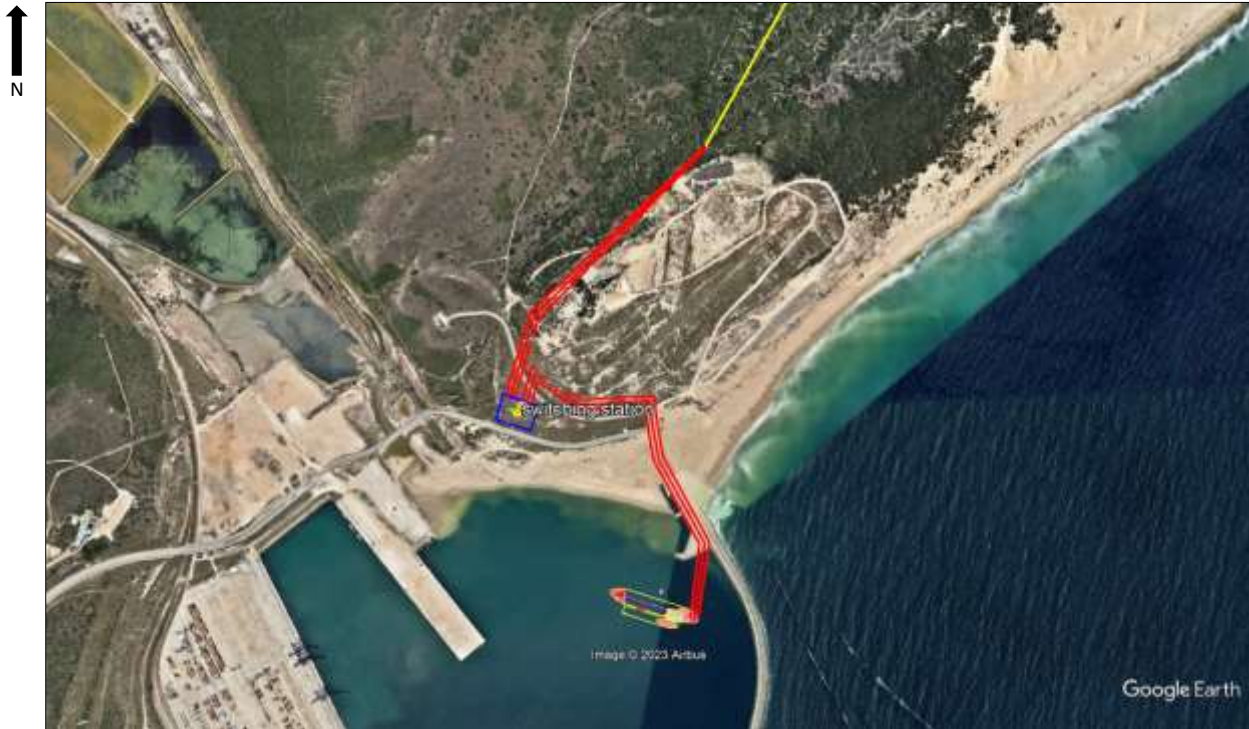


Figure 1. Layout of the new Switching Station and associated transmission lines (in red)



Figure 2. Close up of the proposed new Switching Station (blue polygon). Note the disturbance inside the footprint area.

TRIPLO 4

Douglas Crowe Drive

The Circle,

Suite 5

By email: melissa@triplo4.com

Attn: Melissa Gopaul

Dear Melissa

RE: PORT OF NGQURA, PROPOSED AMENDMENT TO THE PROPOSED LOCATIONS OF THE POWERSHIP AND FSRU – PALAEOLOGICAL IMPLICATIONS

Information supplied via Jonathan Kaplan (22nd September) included the following drawings:

a) Drawing No - S2117-06-SK-GA-211-S1, Drawing Title - EIA Assessment Areas Operational Areas; and

b) Drawing No S2117-10-SK-GA-0010-S3-D, Drawing Title – KPS Breakwater Options Layout 1.

These drawings are attached to this letter for reference.

Drawing a) indicates the original configuration and location of ship moorings.

Drawing b) provides detail of the new preferred alternative configuration and location of ship moorings that are to be considered with regard to possible palaeontological implications.

It is obvious that the new preferred alternative mooring locations will see the proposed Powership and FSRU relocated towards the harbour entrance and further from the shore.

This move will have no palaeontological implications as the locality is covered in the desk-top palaeontological assessment.

This area is already disturbed. The original assessment classified the impact on Palaeontological Assets as being low and this has not changed. Therefore, this assessed level of impact will also not change with the proposed amended location.

I trust this is sufficient information for your current purposes.

Yours faithfully

Alan Smith



Alan Smith Consulting

CURRICULUM VITAE

Name: Jonathan Michael Kaplan

Profession: Archaeologist/Heritage Practitioner

Date of Birth: 23-09-1961

Name of Company: Agency for Cultural Resource Management (ACRM)

Position: Director

Nationality: South African

ID Number: 6109235177089

Marital status: Married with two children

Languages:
First language: English
Other: Afrikaans

Contact details: 5 Stuart Road
Rondebosch
7700
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Mobile 082 321 0172
E-mail acrm@waccess.co.za

Qualifications:

- MA (Archaeology) University of Cape Town, 1989.

Professional registration:

- Association of Southern African Professional Archaeologists (ASAPA) Membership No. 253
- Registered with the South African Heritage Resources Agency (SAHRA)

Publications:

- Orton, J., Avery, G. Halket, D., Hart, T. & Kaplan, J, 2020. Precolonial coastal archaeology between Table Bay and Yzerfontein, Western Cape, South Africa: a review of historical and recent observations. South African Journal of Humanities.
- Jerardino, A., Halkett, D., Hart, T., Kaplan, J., Navarro, R, & Nilssen, P. 2017. Filling-in the gaps and testing past scenarios on the central West Coast: hunter-gatherer subsistence and mobility at 'Deurspring 16' shell midden, Lamberts Bay, South Africa. South African Archaeological Bulletin
- Kaplan, J. & Mitchell, P. 2012. The archaeology of the Lesotho Highlands Water Project Phases 1A and 1 B. South African Humanities 24:1-32. KwaZulu Natal Museum.
- Sealy, J., Maggs, T., Jerardino, A. & Kaplan, J. 2004. Excavations at three shell middens at Melkbosstrand: variability among herder sites on Table Bay. South African Archaeological Bulletin 59:17-28.
- Kaplan, J. 1993. The state of archaeological information in the coastal zone from the Orange River to Ponta do Ouro. Report prepared for the Department of Environmental Affairs and Tourism. Agency for Cultural Resource Management.

- Kaplan, J. 1990. The Umhlatuzana Rock Shelter sequence: 100 000 years of Stone Age history. Natal Museum Journal of Humanities 2:1-94.
- Kaplan, J. 1989. 45 000 years of hunter-gatherer history at Umhlatuzana Rock Shelter: South African Archaeological Society Goodwin Series 6:7-16
- Kaplan, J. 1987. Settlement and Subsistence at Renbaan Cave. In Parkington, J. & Hall, M (Eds). Papers in the Prehistory of the Western Cape, South Africa. British Archaeological Reports International Series 332:237-261

Countries of work experience:

South Africa, Lesotho, Swaziland, Namibia, Botswana, Mozambique

Services offered:

- Archaeological Impact Assessments
- Heritage Impact Assessments
- Heritage Management Plans
- Heritage tourism
- Rock art recording
- Excavation and data analysis
- Monitoring of construction activities

Company profile:

ACRM was founded by Jonathan Kaplan in 1992 and is one of the oldest heritage consultancies in the country. Jonathan has completed nearly 3000 Archaeological and Heritage Impact Assessments (HIA & AIAs), specialising in Stone Age, coastal shell middens, rock art and herder studies. He has undertaken baseline studies on large infrastructure projects, including the Lesotho Highlands Water Project, Maguga Dam (Swaziland), Namibia/Botswana Water Transfer Project, Sasol/ACO Gas Pipeline (South Africa & Mozambique), Corridor Sands (Mozambique) and numerous utility projects for Eskom, the Department of Transport and Public Works, local and provincial authorities, as well as private developers. Since 2010, ACRM has conducted baseline studies (Scoping and full EIA) on many alternative energy (wind and photo-voltaic) projects in the Western and Northern Cape Provinces.

Jonathan is currently specialist consultant for archaeological collections for the Master Plan for the new Lesotho National Museum and Art Gallery, currently under construction in Maseru.

Jonathan has a MA degree in Archaeology (UCT 1989) and is an Association of Southern African Professional Archaeologists (ASAPA) accredited Cultural Resources Management (CRM) practitioner (Membership No 64).

Dr Alan Smith

Private Consultant: Alan Smith Consulting, 29 Brown's Grove, Sherwood, Durban, 4091

&

Honorary Research Fellow: Discipline of Geology, School of Agriculture, Earth and Environmental Sciences, University of KwaZulu-Natal, Pietermaritzburg.

Role: Specialist Palaeontological Report production

Expertise of the specialist:

- PhD in Geology (University of KwaZulu-Natal), Pr. Sc. Nat., I.A.H.S.
- Expert in Vryheid Formation (Ecca Group) in northern KZN, this having been the subject of PhD.
- Scientific Research experience includes: Fluvial geomorphology, palaeoflood hydrology, Cretaceous deposits.
- Experience includes understanding Earth Surface Processes in both fluvial and coastal environments (modern & ancient).
- Alan has published in both national and international, peer-reviewed journals. He has published more than 50 journal articles with 590 citations (detailed CV available on request).
- Attended and presented scientific papers and posters at numerous international and local conferences (UK, Canada, South Africa) and is actively involved in research.

Selected recent palaeo-related work includes:

- Desktop PIA: Proposed middle income housing units on Portion 23 of Farm Lot H Weston 13026, Bruntville, Mpofana Local Municipality. Client: UMLANDO.
- Desktop PIA: Proposed ByPass Pipeline for Ulundi bulk water pipeline upgrade. Client: UMLANDO.
- Fieldwork PIA: Bhekuzulu Epangweni KZN water reticulation project, Cathkin Park. Client: Mike Webster, HSG Attorneys.
- Desktop PIA: Zuka valley, Ballito. Client: Mike Webster, HSG Attorneys.
- Mevamhlope proposed quarry palaeontology report. Client: Enviropro.
- Desktop PIA: Proposed Lovu Desalination site. Client: eThembeni Cultural Heritage.
- Desktop PIA: Tinley Manor phase 2 North & South banks: eThembeni Cultural Heritage
- Desktop PIA: Tongaat. Client: eThembeni Cultural Heritage.
- Palaeontological Assessment Reports (3) to Scatec Solar SA (Pty) Ltd on an Appraisal of Inferred Palaeontological Sensitivity for a Potential Photo Voltaic Park at (1) Farm Rooilyf near Groblershoop, N Cape; (2) Farm Riet Fountain No. Portions 1 and 6, 18km SE of De Aar, N Cape; and (3) Dreunberg, near Burgersdorp, Eastern Cape. Client: Sustainable Development Projects.



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

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SPECIALIST DECLARATION FORM – AUGUST 2023

Specialist Declaration form for assessments undertaken for application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

REPORT TITLE

Click or tap here to enter text.

Kindly note the following:

1. This form must always be used for assessment that are in support of applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting, where this Department is the Competent Authority.
2. This form is current as of August 2023. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.dffe.gov.za/documents/forms>.
3. An electronic copy of the signed declaration form must be appended to all Draft and Final Reports submitted to the department for consideration.
4. The specialist must be aware of and comply with 'the Procedures for the assessment and minimum criteria for reporting on identified environmental themes in terms of sections 24(5)(a) and (h) and 44 of the act, when applying for environmental authorisation - GN 320/2020', where applicable.

1. SPECIALIST INFORMATION

Title of Specialist Assessment	Archaeological Impact Assessment
Specialist Company Name	Agency for Cultural Resource Management
Specialist Name	Jonathan Kaplan
Specialist Identity Number	6109235177089
Specialist Qualifications:	MA (1989) Archaeology, University of Cape Town
Professional affiliation/registration:	ASAPA CRM No. 64
Physical address:	5 Stuart Road, Rondebosch, 7700, Western Cape
Postal address:	Click or tap here to enter text.
Postal address	Click or tap here to enter text.
Telephone	Click or tap here to enter text.
Cell phone	0823210172
E-mail	jonathan@acrm.co.za

SPECIALIST DECLARATION FORM – AUGUST 2023

2. DECLARATION BY THE SPECIALIST

I, Jonathan Kaplan declare that –

- I act as the independent specialist in this application;
- I am aware of the procedures and requirements for the assessment and minimum criteria for reporting on identified environmental themes in terms of sections 24(5)(a) and (h) and 44 of the National Environmental Management Act (NEMA), 1998, as amended, when applying for environmental authorisation which were promulgated in Government Notice No. 320 of 20 March 2020 (i.e. “the Protocols”) and in Government Notice No. 1150 of 30 October 2020.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing –
 - any decision to be taken with respect to the application by the competent authority; and;
 - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- All the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of section 24F of the NEMA Act.



Signature of the Specialist

Agency for Cultural Resource Management

Name of Company:

Click or tap to enter a date.

21 September, 2023

Date

SPECIALIST DECLARATION FORM – AUGUST 2023

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, Jonathan Kaplan, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the Specialist

Agency for Cultural Resource Management

Name of Company

Click or tap here to enter text.

21 September, 2023

Date

BOQWANA

Click or tap here to

72066415

Signature of the Commissioner of Oaths

Click or tap to enter a date.

2023-09-21

Date

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72066415
CST BOQWANA
NKOSIKATO BOQWANA
C/O Banks Rd and MAIN
Road FISH HOEK STPS
Constable

SUID-AFRIKAANSE POLISIEDIENS
GEMEENSKAPDIENS SENTRUM
21 SEP 2023
COMMUNITY SERVICE CENTRE
VISHOEK / FISH HOEK K.P / C.P/
SOUTH AFRICAN POLICE SERVICE