# Appendix B6: Public Open Days

Please note that in an effort to protect the personal information of the Registered I&AP's the registers and questionnaires with I&AP contact information will not be made publicly available. Should you require access to this document for the purposes of fulfilling your obligations under the NEMA EIA Regulations or other lawful right, please feel free to contact the EIMS Information Office at 011 789 7170 or popia@eims.co.za.





### Tosaco Energy Block 1 Offshore Exploration Scoping Phase Public Open Days



1

# Presentation Outline



• Project Team



Project Description



Application Process



• Public Participation



• Impact Assessment



Conclusion





# Environmental Project Team

Company	Name	Project Responsibility
EIMS BNVIRONMENTAL PRANCEMENT SERVICES	Mr GP Kriel	Environmental Assessment Practitioner
PISCES ENVIRONMENTAL SERVICES (PTY) LTD	Dr Andrea Pulfrich	Marine Ecologist
CapMarine Caproom Marine Environmental	Ms Sarah Wilkinson	Fisheries Expert





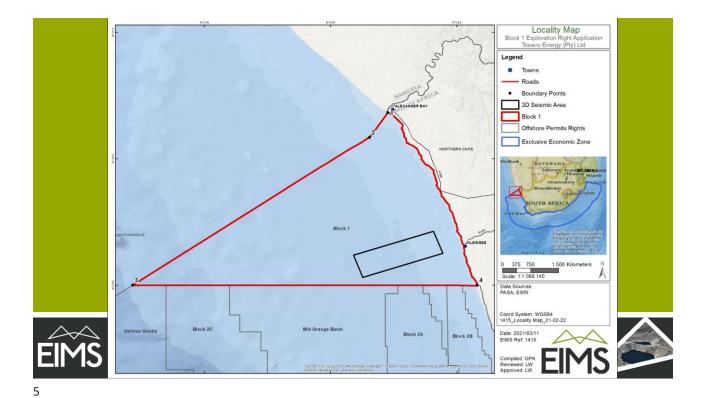
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# **Project Description**

- Tosaco applied for an Exploration Right (ER) for offshore oil and gas in Block
   1
- EIMS appointed to apply for Environmental Authorisation EIA Regulations, 2014 NEMA and MPRDA
- Proposal includes:
  - Reprocessing ± 5 000 km existing 2D seismic lines taken previously in the block
  - Reprocessing ± 750 km<sup>2</sup> existing 3D seismic data previously undertaken in the block
  - If analyses existing data indicates that additional data will be beneficial additional 3D seismic surveys may be conducted over an area approximately 1 340 km<sup>2</sup>.







Protected Areas Conservation Areas Buffer Conservation Areas Legend Protected Areas Buffer Protected Areas - Roads **Boundary Points** Proposed 3D Survey Area Block 1 Offshore Permits Rights Exclusive Economic Zone Data Sources PASA, ESRI Coord System: WGS84 1415\_Protected Areas\_21-03-19 Compiled: GPK Reviewed: LW Approved: LW

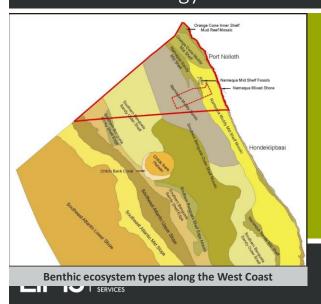
# **Project Description**

- 3D surveys will depend on if/ when ER is issued and availability of seismic contractors.
- 3D survey would take ± 4 months to complete.
- Exploration Works Programme:



Year **Activity** • Review of all available technical data: • Geographical Information System (GIS) data; • Geophysical data, geological data, borehole data and log data; Third party technical reports; • Reprocessing of existing geological/geophysical data. • Preliminary estimation of contingent resources. • Prepare conceptual design and programme of future geophysical and geological exploration and appraisal. • Planning and preparation of possible seismic survey. • Possible 2D and/ or 3D seismic survey. • Processing and interpretation of seismic data. • Evaluation and estimation of contingent resources based on new data.

Marine Ecology – Demersal Communities



Critically Endangered Endangered Endangered Vulnerable
Near Threatened Least Concern

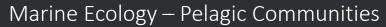
Fort Nolloth
Hondeklipbaai

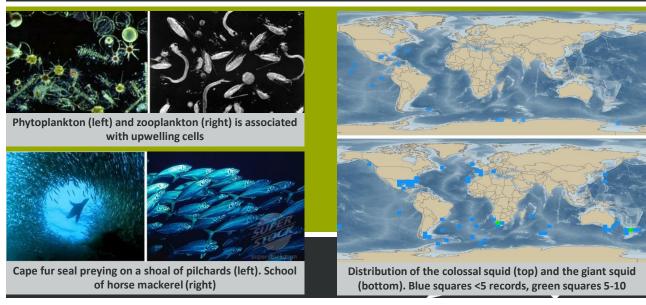
pelagic habitat types on the South African West Coast

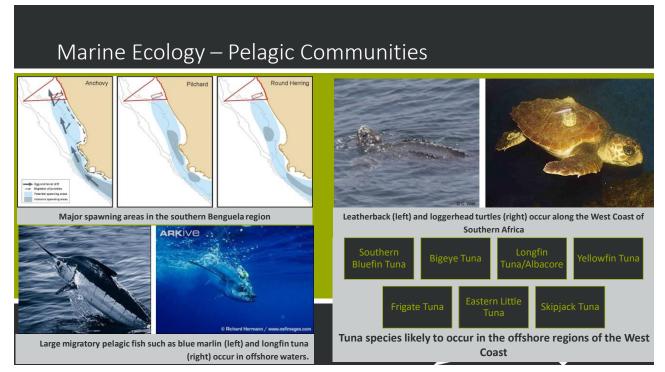
# Marine Ecology – Demersal Communities Colourful sea Glass sponge solid sponge Bottlebrush Bamboo coral Large sea pen sea fan Fine-branching cold water bryozoan Agar animal false lace coral Benthic macrofaunal genera commonly found in Potential Vulnerable Marine Ecosystems species from the nearshore sediments continental shelf and shelf edge on the West Coast

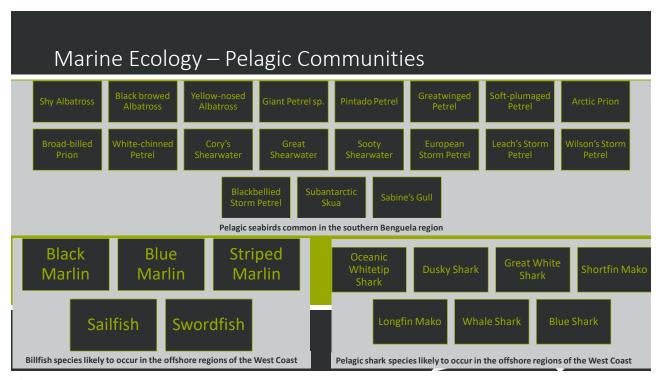
Marine Ecology – Demersal Communities Portuguese Six gill Leafscale Longnose Birdbeak Frilled shark **Gulper shark** Bramble shark Black dogfish cowshark gulper shark shark velvet dogfish dogfish Arrowhead Smooth Shortspine Longsnout Spotted spiny Sculpted Brown Giant Shortnose spiny dogfish dogfish lanternshark dogfish dogfish spiny dogfish grey/black Smalleye Yellowspotted Soupfin Sixgill sawshark Goblin shark Tigar catshark Izak catshark catshark catshark catshark shark/Vaalhaai catsharks Whitespotted Atlantic electric African Smoothnose Roughnose African dwarf Houndshark Little guitarfish Thorny skate houndshark ray softnose skate legskate legskate skate Rough-belly Yellowspot Roughskin Bigmouth skate Slime skate Biscuit skate Munchkin skate Bigthorn skate Ghost skate skate skate skate Smoothback Brown Leopard skate St Joseph Cape chimaera skate chimaera chimaera Demersal cartilaginous species found on the continental shelf along the West Coast

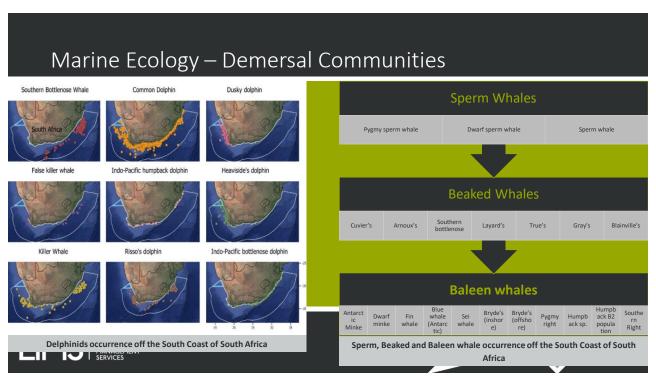
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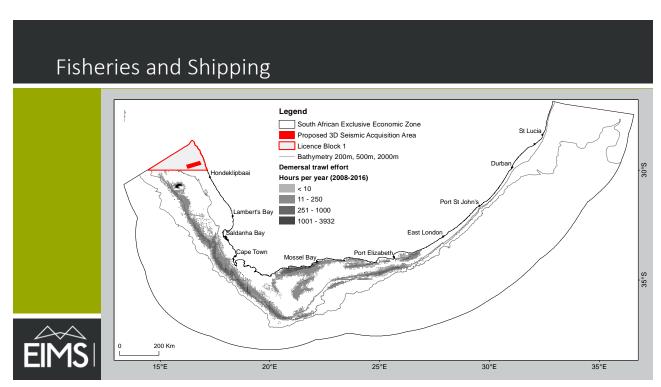


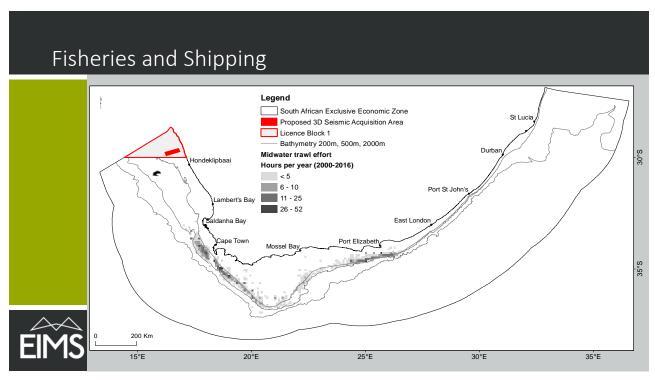


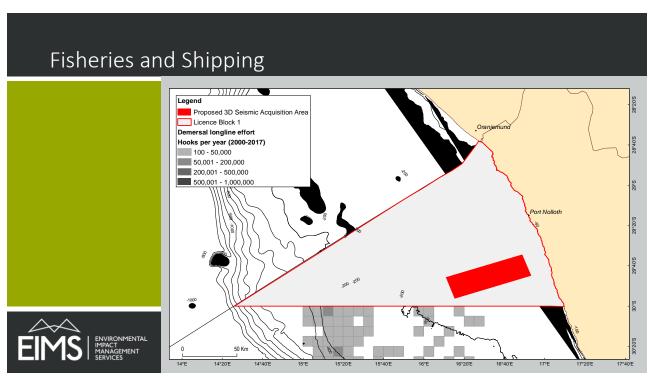
# Marine Ecology – Pelagic Communities

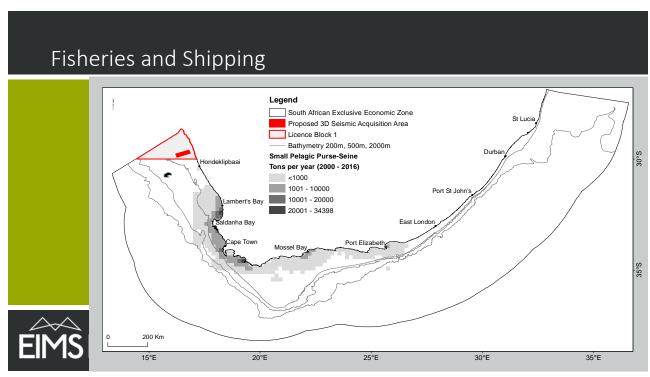


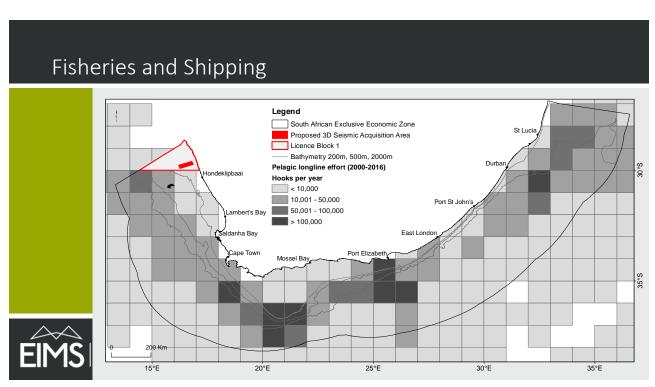
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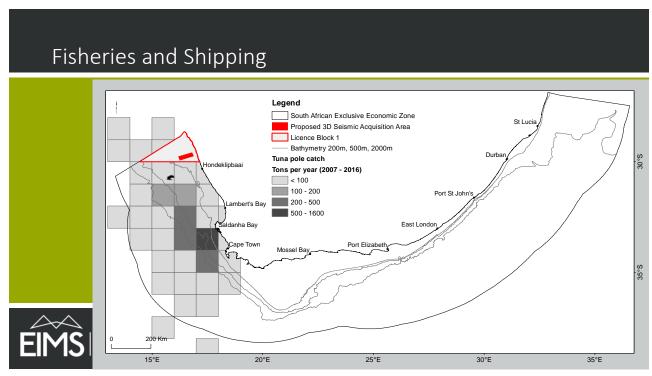


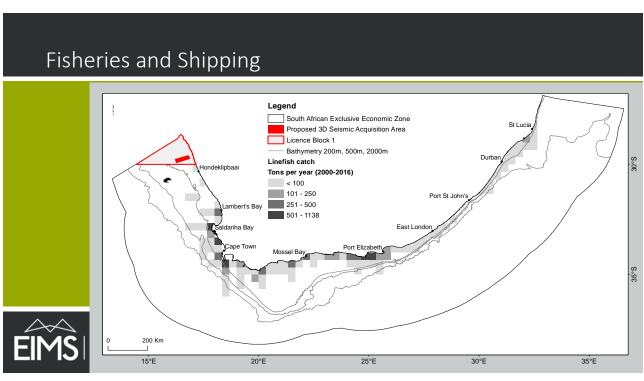


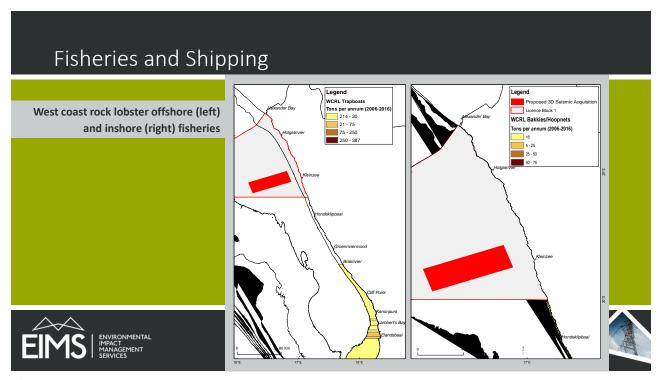


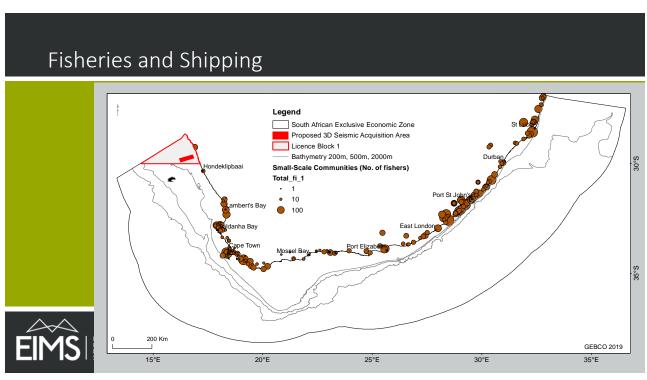


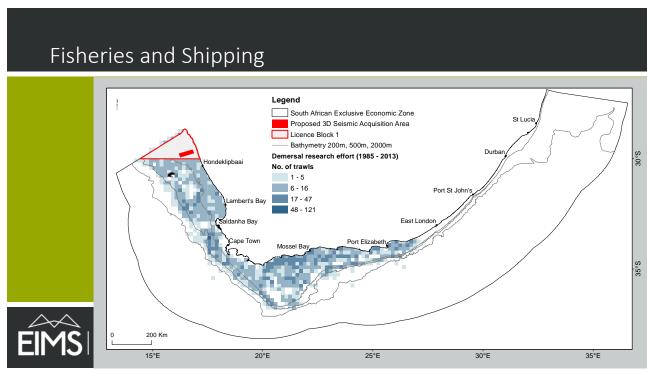


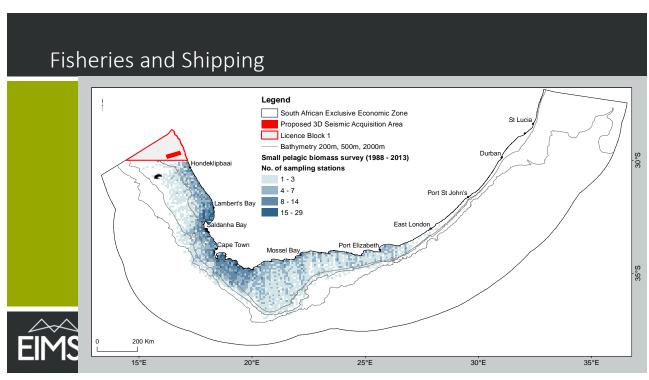


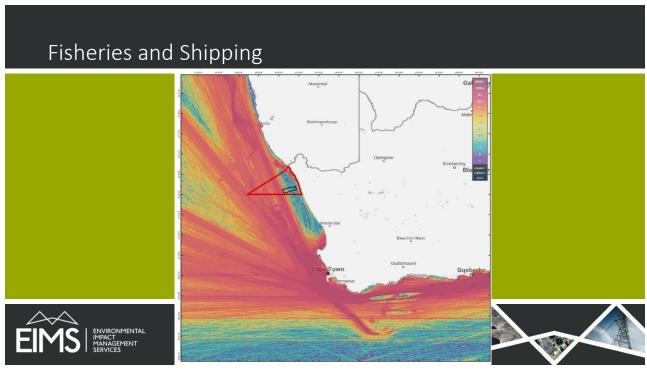


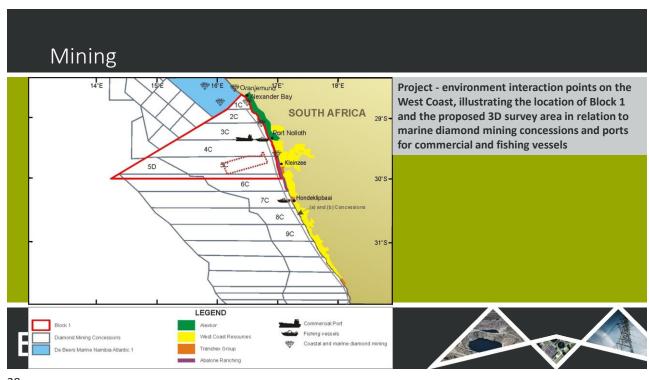




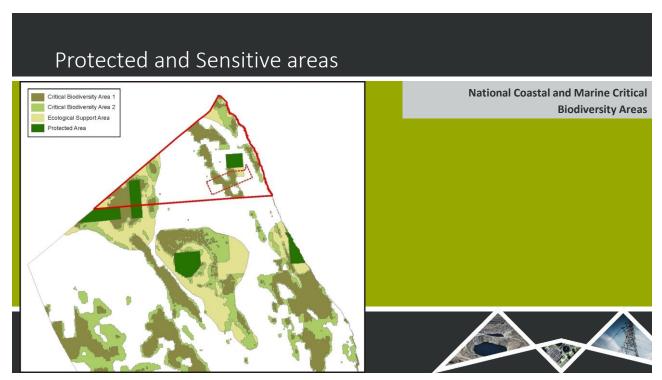


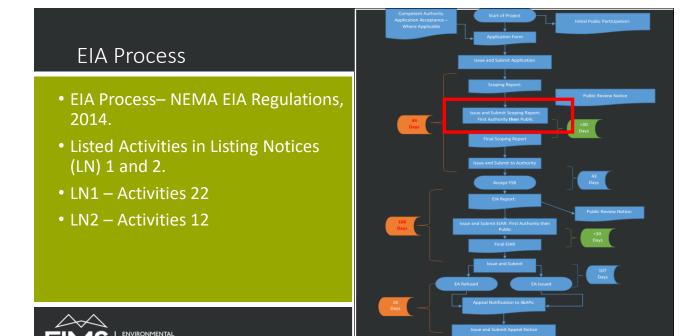






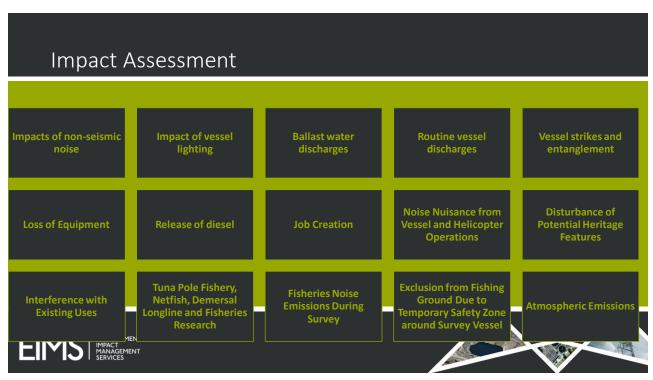
#### Protected and Sensitive areas Benguela Upwelling System EBSA Project - environment interaction points on the West Coast, illustrating the location of Orange Cone EBSA seabird and seal colonies and resident whale 29°S Orange Seamount and Canyon Complex EBSA populations, Marine Protected Areas, and Port Nolloth **Ecologically and Biologically Significant** Namaqua Fossil Forest MPA and EBSA Areas (EBSAs) and the marine spatial SOUTH planning zones within these Kleinzee Tripp eamount AFRICA Orange Shelf Edge MPA 30°S Hondeklipbaai Namaqua MPA Childs Bank MPA Strandfontein Point Rietpoort Childs Bank and Shelf Edge EBSA 32°S 14°E 15°E 17E° 29





Public	c Participation		
PUBLIC PARTICIPATIO			
ACTION	DESCRIPTION	PUBLICATION/PLACE	DATE
	Newspaper advertisements	Die Plattelander Gemsbok	19 <sup>th</sup> February 2021
	Newspaper advertisements	Northern Cape Provincial Gazette	17 <sup>th</sup> March 2021
Notification (announcement of project and call to register)	Placement of site notices.	30 A1 site notices (English and Afrikaans) along and around the study area (30 placement locations).	16 <sup>th</sup> to the 18 <sup>th</sup> February 2021
		Affected landowners and key I&APs were notified via email, fax, and/or post.	19 February 2021
Scoping report public review and comment	occupiers and other key	Affected landowners, legal occupiers, and key I&APs were notified via email, fax, and/or post.	26 March 2021
EIMS	IVIRONMENTAL PACT ANAGEMENT RVICES		





Plan o	f Study for EIA
Item	Description
EIA-phase specialist studies	<ul><li>Marine Ecology</li><li>Fisheries</li></ul>
Public consultation	<ul> <li>Notification of the availability of the EIAR for review and comment to all registered I&amp;AP's;</li> <li>Public and focus group meetings if required.</li> </ul>
Authority consultation	<ul> <li>Consultation with DMR and the commenting authorities; and</li> <li>Authorities consultation (including meetings where necessary) to provide authorities with project related information and obtain their feedback.</li> </ul>
Document compilation	<ul> <li>The EIA and EMPr will be compiled in line with the requirements of Appendix 3 and 4 of the NEMA EIA Regulations.</li> <li>The EIA and EMPr will be made available for public comment for a period of 30 days.</li> <li>The EIA and EMPr will be finalised and submitted to the PASA/DMRE for adjudication and decision making.</li> </ul>
EIMS   ENVIRONMENT	RONMENTAL CT AGEMENT ICES

# • Environmental Impact Management Services (Pty) Ltd (EIMS) • Contact Person: Cheyenne Muthukarapan • P.O. Box 2083 Pinegowrie 2123 • Phone: 011 789 7170 • Fax: 011 787 3059 • E-mail: tosacoer@eims.co.za





**EIMS Ref** 

1415

**Project Name** 

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

#### **MEETING DETAILS**

Meeting	1415 Scoping Phase Public Open Day Meeting		
Meeting	Alexander Bay Community Development Centre	Date	2021/04/13
Venue		Time	10h00-15h00

A public open day was scheduled for Alexander Bay during the Draft Scoping Report (DSR) review period. The aim of the open day was to allow for the presentation of the findings from the DSR and provide Interested and Affected Parties (I&APs) the opportunity to express their comments and concerns regarding the proposed project. During the open day which took place between 10h00 and 15h00, a presentation of the findings was delivered to a group of I&APs by Environmental Impact Management Services (EIMS) Pty (Ltd). Covid 19 rules such as wearing of masks, sanitising, temperature screening and physical distancing were strictly adhered for the duration of the open day. The attendance register has been attached as an appendix to this document.

#### **AGENDA**

Itei	Item		
1.	Introducing the project team		
2.	Project Description		
3.	Application Process		
4.	Public Participation		
5.	Impact Assessment		
6.	Conclusion		
7.	Questions and Answers		

#### **MINUTES**

Item No	Item	Action	Date
1.	Introductions were made. Mr GP Kriel (GPK) noted that the meeting would be recorded to ensure that the minutes from the meeting are recorded accurately. No objections to the recording were raised. A hard copy and CDs of the Draft Scoping Report, comments forms, registration, information handouts and attendance registers, were placed at the entrance of the hall. Attendees were requested to sign the attendance register as they entered.  GPK also made a note that questions can be asked at the end of the presentation and I&APs can submit their comments and concerns through filling in the comment forms provided. It was noted that all attendees who	All.	Note



**EIMS Ref** 

1415

Project Name

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

Item No	Item	Action	Date
	have provided their contact details would be registered by default on the I&AP database maintained by EIMS. The presentation of the findings from the DSR were then delivered as per the agenda above. The presentation was provided in Afrikaans/ English.		
2.	GPK provided all attendees of the open day a description of the proposed project as per the attached presentation/ posters.	All	Note
3.	The application process was described in detail as per the attached presentation/ posters.	All	Note
4.	The public participation process and public involvement was described in detail.	All	Note
5.	The preliminary impacts identified was provided as per the attached presentation/ posters.	All	Note
6.	Conclusions of the scoping phase and the way forward in terms of the plan of study for EIA was provided as per the attached presentation/ posters.	All	Note
7.	Questions and Answers	All	Note
7.1	Please explain the zone around South Africa and how the triangular application area was defined. Will they be conducting exploration or production over the whole Block 1 area?		
	It was explained that the application area was defined by the 200 km exclusive economic zone around South Africa and the Offshore Permit Rights Blocks identified by the Petroleum Agency of South Africa (PASA). GPK further clarified that the actual invasive 3D survey work would only happen within the smaller designated area should they receive authorisation for this project.		
7.2	The process is to do mapping of the subsurface of the ocean to see what is there — and it was mentioned that they would potentially drill in future — would this not destroy the seafloor and impact heavily on the existing diamond mining taking place in this area?		
	It was explained that this application does not include any drilling and would be limited to the reprocessing of existing data and potential 3D survey over the survey area indicated in the locality map.		
7.3	Is the Department of Forestry, Fisheries and the Environment (DFFE) aware of the project?		
	It was confirmed that the DFFE were registered as Key I&APs and were provided with an opportunity for comment.		



**EIMS Ref** 

1415

Project Name

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

Item No	Item	Action	Date
	So in plain language will the sea animals be affected so that they disappear from our waters.		
	It was explained that the noise generated by the 3D survey equipment does have an impact on the animals. However, the impact of this was assessed and found to be of low significance.		
	So what about the job creation?		
	It was explained that this project would require the employment of mostly highly skilled labour and that the opportunities for use of local people for this project would be low (possibly only a few people).		
	When do they want to start the project, because we have a lot of children in matric that could use the employment?		
	It was explained that they project would commence should the applicant receive approval. Thereafter, the three year process would commence as per the Exploration Works Programme. At this stage the work would be highly specialised and the opportunities for employment on this project would be low.		
	How long would it take to develop should they discover any oil or gas reserves?		
	It was explained that this would take a long time (5-10 years) and would not be a given as this would be subjected to more environmental and other approvals and the economic situation, etc. Should the applicant apply for a production right, then a detailed social and labour plan would have to be developed and considered as part of the application for production. This social and labour plan would then have to detail how the local communities would be benefitted by the proposed project.		
	Are we able to say that we do not want this development, since it would negatively affect our mining activities and the marine environment and could lead to oil spills, etc?		
	It was reiterated that as part of this application, no drilling is being proposed, so the likelihood of oil spills would be low if the project is authorised. However, the purpose of the consultation process was to provide an opportunity for the community to raise their concerns and provide comment, which will be documented and submitted together with our reports.		
	Should they drill a borehole and there is a pollution event, who would be responsible for that?		
	It was reiterated that as part of this application, no drilling is being proposed. However, in a potential future scenario, the applicant would then be responsible and would have to make financial provision for the proper		



**EIMS Ref** 

1415

**Project Name** 

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

Item No	Item	Action	Date
	management and closure of such a borehole and they would have to ensure that proper emergency procedures are in place.		
	Can this cause earthquakes or tsunamis?  It was explained that the seismic surveys would not be able to cause earthquakes or tsunamis. The seismic survey refers to the survey of the subseafloor investigation and does not relate to a seismic event.		

#### **APPENDICES**

1.	Attendance Register
2.	Presentation
3.	Posters



**EIMS Ref** 

1415

**Project Name** 

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

#### **MEETING DETAILS**

Meeting	1415 Scoping Phase Public Open Day Meeting		
Meeting Venue	Richtersveld Town Hall	Date	2021/04/14
		Time	10h00-15h00

A public open day was scheduled for Port Nolloth during the Draft Scoping Report (DSR) review period. The aim of the open day was to allow for the presentation of the DSR findings and provide Interested and Affected Parties (I&APs) the opportunity to express their comments and concerns regarding the proposed project. During the open day which took place between 10h00 and 15h00, a presentation of the findings was delivered to small groups and individual I&APs by Environmental Impact Management Services (EIMS) Pty (Ltd). Covid 19 rules such as wearing of masks, sanitising, temperature screening and physical distancing were strictly adhered for the duration of the open day. I&APs were attended and walked through the posters by Mr GP Kriel (Environmental Assessment Practitioner) and Ms Sinalo Matshona (Public Participation Consultant). The attendance register has been attached as an appendix to this document.

#### **AGENDA**

Ite	Item	
1.	Introducing the project team	
2.	Project Description	
3.	Application Process	
4.	Public Participation	
5.	Impact Assessment	
6.	Conclusion	
7.	Questions and Answers	

#### **MINUTES**

Item No	Item	Action	Date
1.	Introductions were made. All attendees were requested to sign the attendance register as they entered. Presentations of the DSR findings from the posters were delivered as per the agenda above to I&APs who made their way to the venue at different times. A hard copy and CDs of the DSR,		2021/04/13

A 8 Dalmeny Road, Pine Park, Randburg	E mail@eims.co.za	A Regus Business Centre, 14 Stewart Drive, Berea, East London
PO Box 2083, Pinegowrie 2123, South Africa	<b>W</b> www.eims.co.za	PO Box 19731, Tecoma, 5214, South Africa
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**EIMS Ref** 

1415

Project Name

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

Item No	Item	Action	Date
	comments forms, registration, information handouts and attendance registers, were placed at the entrance of the hall		
	I&APs were encouraged to submit their comments and concerns through filling in the comments form provided. It was noted that all attendees who have provided their contact details would be registered by default on the I&AP database maintained by EIMS.		
2.	Mr Daniel Van Den Heever		2021/04/13
	Mr Daniel Van Den Heever was the first I&AP to arrive at the venue. He introduced himself to the consultants and informed them that he is already aware of the proposed project. Mr Van Den Heever indicated that he runs a business called Maverick Traders SA Pty (Ltd) and as a businessman he supports this kind of development in the area as it has the potential to improve the current economic situation for growing businesses in the area. He noted that he is interested in knowing what contribution this project will have on businesses in the area if it becomes successful as he is concerned of the different developers who run projects in the area without developing and investing in the economy. Mr Van Den Heever also requested that he be added to the I&APs database so that he may receive any further information on the progress of the project.  Mr Daniel Van Den Heever was thanked for his comments and interest and was provided with an I&AP registration form that was used to add him to the		
2	database.		2024 /04 /12
3.	Miss Beulah Williams  Miss Beulah Williams indicated that she works for the Richtersveld Local Municipality and as such she is interested in knowing more about the project. After the presentation of the DSR findings by Mr GP Kriel, she asked for clarity on the timeline of the proposed 3D Siesmic Survey.		2021/04/13
	Miss Sinalo Matshona indicated that should the environmental authorisation be granted for the project, the whole process will run for three years as it is divided into different phases which were explained in the presentation. However, the possible 3D seismic surveys would occur on the third year for a period of 4 months.		
4.	Miss Tsili Lekhema		2021/04/13
	Miss Tsili Lekhema indicated that she is interested in knowing more about the project as she is a resident in the area. Miss Lekhema was asked to fill in the registration form as an interested and affected party.		
5.	Miss Shana Diegaardt		2021/04/13
	Miss Shana Diegaardt introduced herself and indicated that she works for the local Department of Environment, Forestry and Fisheries Youth Programme. She asked to be run through the presentation. The presentation was delivered to her as requested and she had no immediate questions or		



**EIMS Ref** 

1415

**Project Name** 

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

Item No	Item	Action	Date
	comments. Miss Diegaardt asked for a handout of the presentation and asked to be registered as an I&AP. She was provided with the poster and registered on the I&AP database.		
6.			2021/04/13

#### **APPENDICES**

1.	Attendance	Register
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**EIMS Ref** 

1415

Project Name

TOSACO BLOCK 1 EXPLORATION RIGHT EIA



**EIMS Ref** 

1415

Project Name

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

#### **MEETING DETAILS**

Meeting	1415 Scoping Phase Public Open Day Meeting			
Meeting Venue	Eric Baker Hall: Hondeklip Bay.	all: Hondeklip Bay. Date 2021/04/15		
		Time	10h00-15h00	

A public open day was scheduled for Hondeklip Bay during the Draft Scoping Report (DSR) review period. The aim of the open day was to allow for the presentation of the DSR findings and provide Interested and Affected Parties (I&APs) the opportunity to express their comments and concerns regarding the proposed project. During the open day which took place between 10h00 and 15h00, a presentation of the findings was delivered to a group of I&APs by Environmental Impact Management Services (EIMS) Pty (Ltd). Covid 19 rules such as wearing of masks, sanitising, temperature screening and physical distancing were strictly adhered for the duration of the open day. The attendance register has been attached as an appendix to this document.

#### **AGENDA**

Itei	n
1.	Introducing the project team
2.	Project Description
3.	Application Process
4.	Public Participation
5.	Impact Assessment
6.	Conclusion

#### **MINUTES**

7. Questions and Answers

Item No	Item	Action	Date
1.	Introductions were made. Mr GP Kriel noted that the meeting would be recorded to ensure that the minutes from the meeting are recorded accurately. No objections to the recording were raised. A hard copy and CDs of the Draft Scoping Report, comments forms, registration, information handouts and attendance registers, were placed at the entrance of the hall. Attendees were requested to sign the attendance register as they entered.  Mr Kriel also made a note that questions can be asked at the end of the presentation and I&APs can submit their comments and concerns through	All	Note
	filling in the comments form provided. It was noted that all attendees who		

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**EIMS Ref** 

1415

Project Name

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

Item No	Item	Action	Date
	have provided their contact details would be registered by default on the I&AP database maintained by EIMS. The presentation of the DSR findings were then delivered as per the agenda above.		
2.	GPK provided all attendees of the open day a description of the proposed project as per the attached presentation/ posters.	All	Note
3.	The application process was described in detail as per the attached presentation/ posters.	All	Note
4.	The public participation process and public involvement was described in detail.	All	Note
5.	The preliminary impacts identified was provided as per the attached presentation/ posters.	All	Note
6.	Conclusions of the scoping phase and the way forward in terms of the plan of study for EIA was provided as per the attached presentation/ posters.	All	Note
7.	Questions and Answers	All	Note
7.1	From my point of view, the fishermen are dependent on the ocean and the seismic surveys could have a negative effect on their livelihood. Also, there will not be a lot of jobs created by this proposed project, so we don't see a lot of benefit to us.		
	It was explained that the impact on the local fisheries was being assessed. The fisheries assessment did confirm that the impact on the local fisheries would be of low impact and would not have a significant impact. The are is located approximately 20km offshore and it is anticipated that the impact on the fishing activities located close to the shore would be limited. It was agreed that the benefit to the local community in terms of jobs would be very low.		
7.2	The community would need to be properly consulted - we feel that we were not properly informed and may miss out on significant opportunities for employment or to raise concerns from our fishermen. If they want to drill and produce oil or gas, they need to come and consult with the community.		
	It was explained that the intention was not to embellish the employment opportunities as part of this project. The intention was to provide an opportunity for the community to provide their comments. Potential future exploration or production activities may have more opportunities, and this will be subject to further Environmental Impact Assessments (EIAs) and would need to then include public consultation again as part of those processes. However, this would depend on the findings of this exploration activity, should it be authorised.		



**EIMS Ref** 

1415

**Project Name** 

TOSACO BLOCK 1 EXPLORATION RIGHT EIA

Item No	Item	Action	Date
	Should the applicant apply for a production right, then a detailed social and labour plan would have to be developed and considered as part of the application for production. This social and labour plan would then have to detail how the local communities would be benefitted by the proposed project.		
7.3	What will be the effect on the marine life?  It was explained that the noise generated by the 3D survey equipment does have an impact on the animals. However, the impact of this was assessed and found to be of low significance.		
7.4	The people at the public meeting here is not representative of the community and it must be ensured that the community adequately informed. We need adequate notice of the opportunities for participation. The intention is not to disrupt the meeting, but to make sure that all stakeholders are included and identified. Can we not have another date to have the whole community here including members of the fishing cooperatives.		
	It was emphasised that this scoping phase of the project is the first phase of this Scoping and EIA process and there would be further opportunities for consultation with stakeholders. It was requested that the community members please provide EIMS with the contact details of the relevant stakeholders that need to be consulted and that they would then be added to the I&AP database and included in future correspondence. There would possibly be an opportunity for a further public open day during the EIA phase, which would need to be confirmed in due course. It was reiterated that the community members please complete the registration forms so that the details could be captured.		

#### **APPENDICES**

1. Attendance Re	egister
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#### 2. Presentation

#### 3. Posters



**EIMS Ref** 

1415

Project Name

TOSACO BLOCK 1 EXPLORATION RIGHT EIA