

PLATREEF RESOURCES STAKEHOLDER FORUM MEETING - MEETING MINUTES
FOR
ENVIRONMENTAL AUTHORISATIONS FOR THE PROPOSED PLATREEF UNDERGROUND
MINE PROJECT, NEAR MOKOPANE IN THE LIMPOPO PROVINCE

Project No: PLA1677

Date: 12 July 2013

1 PRESENT:

Members of the Platreef Stakeholders Forum see attached attendance register.

Table 1: Project Team

Mr John Dombo	Platreef	Government and Community Liaison Officer
Mr Phuthi Ngoetsana	Platreef	Public Consultation
Barbara Wessels	Digby Wells	Project Manager
Steve Horak	Digby Wells	Public Participation
Lerato Ratsoenyane	Digby Wells	Public Participation – Minute Taker
Praticia Makhesha	Barnstone	Facilitator
Carl Legodi	Barnstone	Translator

2 MEETING PROCEDURE

2.1 Welcome and Introductions

10:10 – 10:18 Mr John Dombo

Everyone was welcomed and thanked for the opportunity provided. The project team was introduced and it was highlighted Digby Wells will be presenting the ESIA process as the appointed independent Environmental Assessment Practitioner (EAP). The meeting was also aimed to discuss the skills audit survey which will be conducted by Platreef and the Department of Labour.

The meeting was adjourned and the presentation for the Department of Labour did not take place.

2.2 Meeting Presentation

10:19 – 11:20 Mr Steve Horak – Digby Wells (presenter and facilitator)

Carl Legodi – Barnstone (translator)

See attached presentation (Appendix A)

3 COMMENTS/ISSUES AND SUGGESTIONS

Comments raised by stakeholders during the meeting and responses provided are included as part of Table 2

Table 2: Stakeholder Comments

NAME AND SURNAME	VILLAGE/ORGANISATION	COMMENT	RESPONSE
Mr Lukas Nkuna	Not given by participant.	I would like clarity on the identification of impacts of the ESIA process with specific reference to the social studies. How will the community be informed of the results of the socio economic studies?	Platreef and the Government will be informed of study outcomes from the ESIA assessments completed by qualified specialists. A Community meeting will be held in October 2013 to present the results to communities who will also have the opportunity to comment on the ESIA reports that will be made available for public review.
Mr Lukas Nkuna	Not given by participant.	Platreef is currently drilling and some people in the area are not able to use the water which is already polluted with chemicals from the drilling activities. How is the water going to be managed whilst the communities are already impacted upon? Why did Platreef not conduct the groundwater assessments prior to conducting the ESIA studies which Digby Wells is undertaking?	Golder Associates has been involved with groundwater studies during the prospecting phase to date. In 2010-2011, water monitoring commenced. This included taking water quantity measurements and chemical analyses of the boreholes and approximately 44 samples were taken (not all boreholes were sampled). Other boreholes were drilled for monitoring purposes. The objective of the studies was to obtain baseline data. Thereafter borehole drilling continued in 2011-2012 during this period the monitoring of boreholes continued.. If there are any changes to the water quality, the affected communities will be informed. There is a lot of information available from the water studies. This data will be made available for public review as part of the Environmental and Social Impact Assessment (ESIA) process. The consultants are there to conduct independent studies and to provide information to the public, authorities and the communities.
Mr E. Honiball	Attorney and Community Legal representative and representing Lawyers for	How will they seal off the water in the mine shafts? How is it done on other mines?	A 20m by 20m shaft will have to be dug and concreted off from surrounding rock. It will be sealed using bentonite in order to avoid

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	Human Rights		seepage into the shaft from the surrounding rock. This practice is generally used in the mining industry.
Mr E. Honiball	Attorney and Community Legal representative and representing Lawyers for Human Rights	<p>The lawyers for human rights have been requesting information related to the BBBEE structure, Minutes of Public Meetings held, Minutes held as part of Section 93 directive by the Department of Mineral Resources (DMR); and a request has been made for the Social and Labour Plan. To date, none of the information has been forthcoming.</p> <p>The lawyers have requested the information directly from the Platreef legal team without any success. Why should the public participate in these meetings without being provided with the necessary information?</p> <p>We have received the response from Platreef that they Will not publicly give out the information. Why then participate in these meetings if information is not provided? Public participation is an open process and all information must be provided to the public. In the social study, it is indicated that an SLP is available; this information must be made public.</p>	The request made by the Human Rights lawyers was directed to the Platreef legal department. Platreef Mokopane office will confirm with the legal department in Sandton as to the status of the response.
Mr E. Honiball	Attorney and Community Legal representative and representing Lawyers for Human Rights	The Scoping Report was not compiled in a month or two months due to studies that have been done a long time ago. I&APs are expected within a very short space of time to comment on all of this information. The time period must be lengthened to give I&APs time to consult specialists and to comment in detail.	It should be noted that due to timeframes stipulated by the DMR under the Minerals and Petroleum Resources Development Act (MPRDA) to consult within the 30 days period, it is required that all comments be gathered during this timeframe. However, the public can still provide comments until the Scoping report is submitted, even during the Impact Assessment phase comments can be received. Therefore, there is still sufficient time for the public to comment.
Mr E. Honiball	Attorney and Community	We will comment in writing to Digby Wells on the	Thank you for your comment.

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	Legal representative and representing Lawyers for Human Rights	scoping document.	
Mr E. Honiball	Attorney and Community Legal representative and representing Lawyers for Human Rights	The community heard that the Section 93 which was imposed on Platreef has been lifted, but the community has no knowledge of how, when, by whom and on what bases was the Section 93 lifted.	On 4 June 2013, a meeting was held with the leaders of Mokopane to inform them that the DMR has lifted the Section 93 of the MPRDA. The outcome and reasons were presented to those who attended the meeting. One of the points indicated in the section 93 lifting was that Platreef must continue to consult with the communities, thus engagements will continue.
Mr E. Honiball	Attorney and Community Legal representative and representing Lawyers for Human Rights	We have placed it on record that the public consultation conducted for the Prospecting Right application was not conducted properly and is not accepted by the community. An Environmental Management Plan (EMP) amendment for the Platreef Bulk Sample was undertaken by Digby Wells but there is no knowledge as to the status of this report. Now the community is being informed of the Mining Right Application (MRA) but no information was provided on the Bulk Sample.	The application for the Bulk Sample has been submitted to the DMR for consideration and a decision is pending around the authorisation of the Bulk Sample. The EMP was submitted as part of the Bulk Sample application. The EMP was placed in the public domain on the Digby Wells website.
Mr E. Honiball	Attorney and Community Legal representative and representing Lawyers for Human Rights	The interpreter was struggling with some of the words and struggled to interpret during the meeting. He was talking about animals and not "Diphoholo". Someone else from the local area should be used to translate properly.	The comment is noted.
Mr Lekau Kekane	Magongoa - Community Forum	I understand from the legal point of view that information must be presented to the lawyers prior to distribution. However, what about the communities? We have been requesting information but no feedback has been received. Must we also wait for the legal department and yet continue to participate in meetings without	The issue regarding the request for information has been noted and will be addressed with Platreef's legal department. All information which relates to the ESIA is available in the public domain and will continue to be made available to communities.

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		the information we have requested?	
Mr Lukas Nkuna	Not given by participant.	The minutes from previous meetings are still outstanding but the process of engagement is still continuing. The lifting of the Section 93 is continuing for the drilling whilst the response has not been provided to the communities. What were the reasons for the lifting of the Section 93 in terms of the MPRDA? Are we going to get answers or wait for the legal team whilst the communities are being affected? This includes the Moloto family who still do not have access to water due to prospecting activities.	On the 04 June 2013, a meeting was held with the leaders of Mokopane to inform them that the DMR has lifted the section 93 of the MPRDA. The outcome and reasons were presented to those who were at the meeting. One of the points indicated that Platreef must continue to consult with the communities, thus the engagements are continuing.
Mr Robert Mogafe	Not given by participant.	Platreef indicates that they met up with the leaders. Who are those leaders and where are they? There is no presence of the Chief in any of the meetings but Digby Wells is still continuing with these meetings as part of the MRA. Platreef must face the challenges in the community before these community meetings can carry on. We even have lawyers, but they are not provided with the required information.	Platreef met with the traditional leaders of all the affected villages.
Mr Robert Mogafe	Not given by participant.	Platreef indicated that they have invested R160 million in skills development and that R25 million will be spent to support local schools. Now the mine is discriminating by only wanting to employ people with qualifications.	The comment is noted.
Mr Robert Mogafe	Not given by participant.	Even at the Sunday meetings, short message services (SMS) were sent to people who are not even affected by the development but came for employment opportunities, but no proof of where the investment was spent has been provided.	The comment is noted.
Mr Molwatsi	Magongoua	The dust that they are saying will be mitigated is already affecting the communities.	A dust impact assessment will form part of the specialist studies in order to determine the impact of dust on the environment and people.

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Mr Molwatsi	Magongoua	If people are not relocated, will they be able to sustain their livelihoods? Where is the alternative land?	The comment is noted.
Mr Molwatsi	Magongoua	When Platreef received the Section 93, the communities, DMR and Platreef indicated that they will work together. Platreef was informed that the Public Participation Process (PPP) should be of public knowledge and not to individuals only. Also it was said that prior to activities, Platreef must communicate and get an understanding with the communities prior to starting their drilling. The lawyers were not properly consulted. So how can the entire process continue without proper information, consultation and documentation?	The comment is noted.
Mr Molwatsi	Magongoua	Platreef representatives always talk of money being spent for social development. But where is this money? If there was money invested then there would have been better schools and services. When asked, Platreef said it is a secret and they will not tell.	The comment is noted.
Mr Molwatsi	Magongoua	Platreef was told that the Department of Rural Development must be present at all meetings in order to understand and evaluate the communities agricultural fields before any compensation is provided to communities. Now, the compensation process is being conducted illegally and people are given money whilst others are struggling. This is not right.	The comment is noted.
Mr Molwatsi	Magongoua	Platreef is prospecting in our area and affecting animals, plants and ritual grounds. The trees of our ancestors are being destroyed. These are used for traditional medicines. The traditional healers are now providing medicines that are poisonous. Why is Digby Wells only commencing	The comment is noted.

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		with the studies now when they have been involved in this project for a long time. The damage done has already been felt by the communities.	
Mr Molwatsi	Magongoua	When we speak of our fields, these fields have already been affected by the poison from the mine. What will the communities eat?	The comment is noted.
Mr Molwatsi	Magongoua	During the court proceedings held at the Pretoria High Court, there was an agreement that the operations must not encroach on the 200 meter buffer of the communities. It was said that people must be engaged even to the extent of one-on-one consultations. The way Platreef is handling the community is very frustrating for the communities. Do not promise people good things when Platreef is continuing doing dirty work.	The comment is noted.
Mr Molwatsi	Magongoua	The community needs proof of the signed Surface Lease Agreement.	The comment is noted.
Mr Isaac Nyoni	Sabaha April Corporation	We are concerned as to how things are being done. Platreef does not have respect for community protocols and is making it difficult for themselves. This is our land and we do not have mining at heart as the fields are our means to make a living. If Platreef is not providing information that has been requested, they are making things more challenging for us. This means that their documents have untruths within them. This should end today.	When stakeholder meetings were conducted, it was indicated that whoever wants the right to mine must collaborate with the community. The community were informed that Platreef only has a prospecting right and is applying for a mining right. Until now, the company has spent on the prospecting activities. However, in terms of skills development, there is R4 million that has been set aside for education. This is all included in the Social and Labour Plan which can only come into action if the Mining Right has been granted. Platreef has to date engaged and consulted with all communities. Perhaps things did not turn out as the community expected, but recommendations from the DMR Section 93 letter have been fulfilled.

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Mr Isaac Nyoni	Sabaha April Corporation	There will be no more meetings and the community will not participate until the information is made available.	As a listed company, documents cannot be sent to the public without going through all the proper channels. But the relevant information will be made available from the Platreef Investor Relations and Legal teams.
Ms Mama Kgao	Not given by participant.	The initial consultations were done at the households and not separately at Magongoa and Tshamahansi. Digby Wells and Platreef are disrespectful towards the community.	When Platreef came to Mokopane, they consulted with the traditional leadership structures. At that time there were mining committees which were used as a way for communication with the people. Then there was a concern that these committees were not representative and were not communicating with the broader community. The committees were then disbanded. The committee we are meeting with today has replaced the mining committees. There were, surface use cooperative agreements which were signed with the previous mining committees which the communities said were not chosen correctly. Platreef consulted with the Department of Rural Development and the DMR about the agreements, but the Departments said they are not going to be involved or enter into the agreements until the mining right has been granted. The DMR indicated that Platreef must continue with the surface agreements even though the mining committees no longer exist. This is the current status of the surface right agreements.
Ms Mama Kgao	Not given by participant.	How can Digby Wells enter the communities without following protocol, how did they consult with the communities and when. Where are the minutes of those meetings? Digby Wells went door to door to register people, even threatening the elders that if they do not sign, their pension will be taken away. After that,	Digby Wells was appointed by Platreef to register the fields for compensation purposes. The registration was conducted in 2011-2012. In terms of the agreement, people were called by the headmen. Digby Wells then registered the fields with inputs from the headmen and from the field owners.

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		<p>there were photos taken and recommended that people be paid R5 250.00 allowances as part of the compensation. This is our land. Who gave them permission to access the fields? We want the proof that the Chief gave permission. Where are those that gave them the permission to do house-to-house surveys for the fields? Digby Wells came to my farm and said that they came to record the field. No feedback has been provided when it was asked who sent Digby Wells.</p>	
Ms Mama Kgao	Not given by participant.	In 2011, the fields were already polluted but the consultants say they have done monitoring?	The comment is noted.
Ms Mama Kgao	Not given by participant.	The initial consultations were done together and not separately at Magongoa and Tshamahansi as what was done during last week's meetings.	The comment is noted.
Ms Joyce Kekana	Mamotsope	<p>I am the child of the fields and animals and do not have education. I have been working in the fields since 1998 and have all the particulars and records of the fields. Since Platreef has come, they have only brought problems. I also have workers who work in my fields and harvest 120 miellie bags each season. My children will not be able to go to work and I have told the employees to go home due to having no work for them as the fields have been affected. Platreef knows how to irritate and manipulate us using the Kgoros. When you have given me R1000.00 it does not mean I agree and when you come again and give me R2000 it does not mean I have agreed. When you come again, you will only annoy me. Platreef only came into the area recently and we have been here for a long time. The mine has divided the community. We as the people of Mokopane must stand together and be happy as we have the needed support from Mr</p>	Your comments are noted, thank you.

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		Honiball. It does not mean that because you are educated you understand.	
Mr Peter	Not given by participant.	Point of order – what is the relevancy of this meeting or issues of participation when people have problems and grievances? The people have raised a concerns about the legal team and wanting information. But now we are participating, taking roll calls etc.	The comment is noted
Mr Lekau Kekane	Magongoua - Community Forum	<p>Placing a motion – are we continuing or stopping with this meeting? Digby Wells, we made a request for available information which has not been provided. Now you expect us to participate in this meeting. It was indicated that people must ask questions about the environment, but the people do not ask pertinent questions because they do not have any information. You have all the documents pertaining to the Prospecting Right Application (PRA) and the Bulk Sample and there were amendments to the SLP and EMP. Where are those documents? The people here are representatives from the organisations so they do not even have the information.</p> <p>Yesterday we said that we wanted the President of the Platreef and until such time, Digby Wells must not come and conduct meetings. We view the process as unfair and that Platreef and Digby Wells operate in the same way. The point that we are making is that we all want development but the correct processes should be followed. We are not ready to be engaged. The presentation is smart and very convincing but we do not have any information. When Digby Wells came here they used the Kgoros but they are not even here at this meeting. I have seen a few leaders present today but they are not fully participating.</p>	The comment is noted.
Mr Lekau Kekane	Magongoua - Community	We want this meeting to end. When we come to	The comment is noted.

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	Forum	these meetings, we paid R300.00 for transport yesterday and today. We need to pay ourselves but the traditional council is paid for by Platreef.	
Mr Lekau Kekane	Magongoua - Community Forum	Yesterday at the BBEE meetings, we heard that there were 3 representatives from companies to present on the BBEE deal and that there were resolutions taken and that there must be 2 companies that are being formed. It was said that the community agreed	The comment is noted.
Mr Lekau Kekane	Magongoua - Community Forum	Platreef is creating divisions by taking Tshamahansi and making it an island from the Chief.	The comment is noted.
Mr Lekau Kekane	Magongoua - Community Forum	The BBEE module is not wanted by the community but the leaders said they want it. Then one company will come and address the people instead of the three which was promised. We want things to be done in a correct way.	The comment is noted.
Mr Lekau Kekane	Magongoua - Community Forum	We want to see that the MPRDA, NEMA and Public Participation processes conducted properly.	The comment is noted.
Mr Lekau Kekane	Magongoua - Community Forum	The SMSs going to everyone must stop and the database used must be deleted. Categories must be made in the database of who belongs to which villages.	The comment is noted.
Mr Lekau Kekane	Magongoua - Community Forum	We propose that the meeting be stopped after lunch and that meetings only take place once we have answers to the information we have requested.	The meeting was closed at request of the attendees.



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Agnes Teffo	Phuthaditshaba L.D	0715201412	N/A	



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IRANS TENA	Kubereki	-	-	
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WILLIAM MOTLANE	EX 20	0768177165	-	William
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Ephy Seoko	S Nise Seneteri, M.I.A.A	0727585355	-	
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ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT FOR THE PROPOSED PLATREEF UNDERGROUND MINE



DIGBY WELLS
ENVIRONMENTAL

*NEMA ref No: 12/1/9/2-W32;
LIM/EIA/0000538/2013,
NEMWA ref no: 12/9/11/L1224/5,
MPRDA ref no: LP30/5/1/2/2/10067MR*

STAKEHOLDERS FORUM MEETING
July 2013

AGENDA

- Welcome, Introductions and Objectives
- Background and Description of the Project
- Content of the Draft Scoping Reports
- Public Participation Process
- Questions and Answers
- Presentation on skills audit

INTRODUCTIONS

Platreef

- John Dombo
- Phuti Ngoetsana

Barnstone

- Patricia Makhesha
- Carl Legodi

Digby Wells Environmental

- Steve Horak
- Lerato Ratsoenyane
- Barbara Wessels

Golder Associates Africa

- Reinhardt Weidemann

ROLE OF CONSULTANTS

- Digby Wells, together with Golder Associates, has been appointed as independent consultants to undertake the EIA/EMP, PP processes and relevant specialist investigations for the proposed Platreef Underground Mine for a Mining Right Application and other licenses
- Digby Wells, supported by Barnstone, will independently facilitate the consultation process between Interested and Affected Parties (I&APs) and Platreef

MEETING OBJECTIVES

- To present to I&APs the Draft Scoping Reports content
- To capture comments from I&APs on the Draft Scoping Reports
- To obtain suggestions for the impact assessment and public participation processes going forward

BACKGROUND TO THE PROPOSED PROJECT

BACKGROUND












- Platreef is currently 90%-owned by Ivanplats and 10%-owned by Itochu
- This structure will **change should the Mining Rights be awarded** to include the proposed BBEE Partners (74%/26%)
- Platreef owns prospecting rights over these farms:
 - Turfspruit 241 KR
 - Macalacaskop 243 KR
- Platreef has been prospecting for more than 15 years for platinum and associated Platinum Group Metals
- The various applications for the project have been submitted

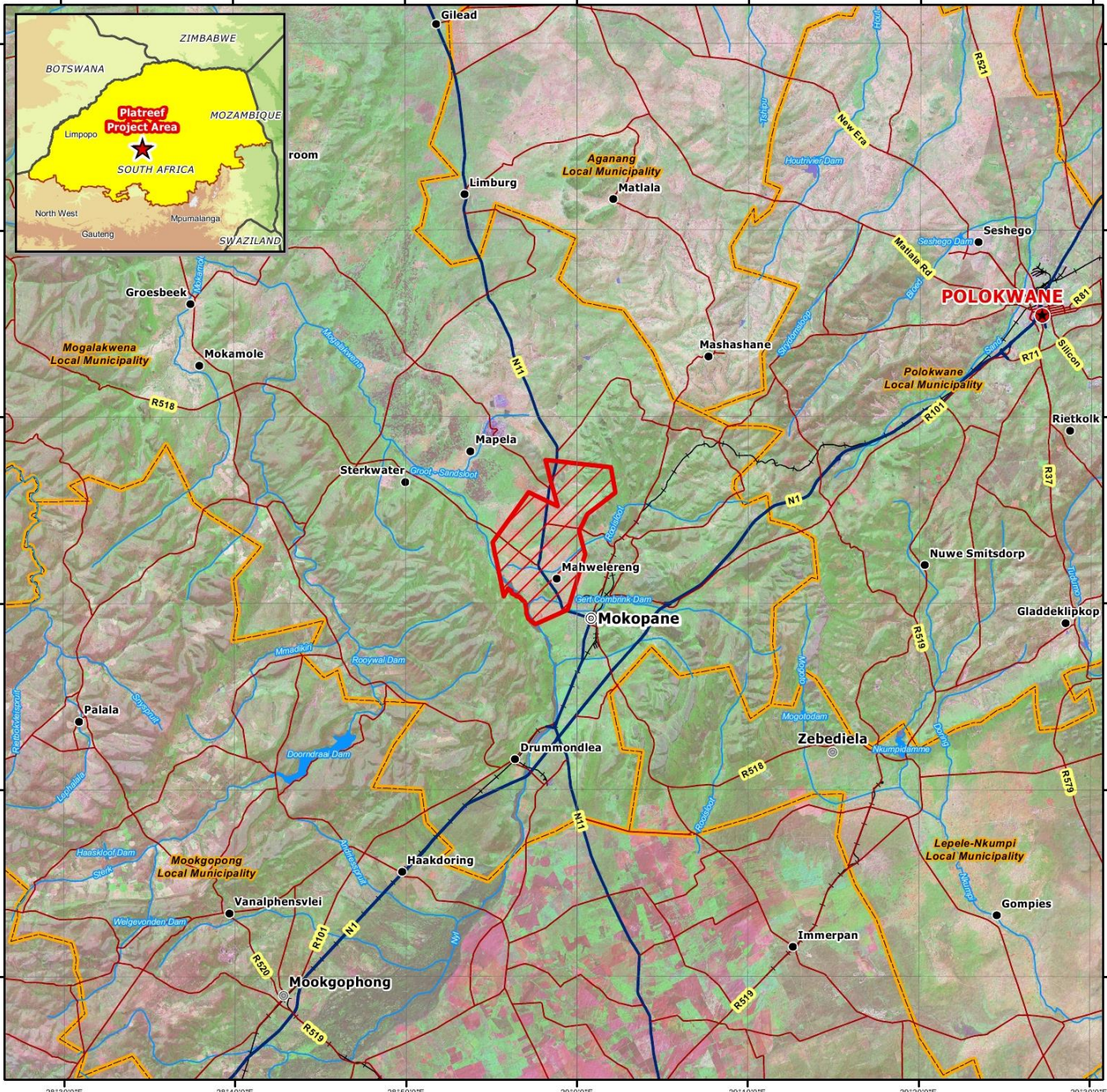
LOCATION

- The project site is approximately 10km north of Mokopane
- The study area includes the farms Macalacaskop 243 KR, Turfspruit 241 KR and Rietfontein 2 KS
- All the farms fall within the Mogalakwena Local Municipality in the Waterberg District Municipality of the Limpopo Province

Platreef Resources (Pty) Ltd Regional Setting

Legend

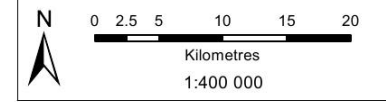
-  Project Area
-  City
-  Secondary Town
-  Other Town
-  Settlement
-  Main Road
-  National Road
-  Railway Line
-  River
-  Dam
-  Local Municipal Boundary



DIGBY WELLS
ENVIRONMENTAL

• Sustainability • Service • Positive Change • Professionalism • Future Focused • Integrity

Projection: Transverse Mercator	Ref #: scc.PLA1677.201305.340
Datum: Hartbeesthoek 1994	Revision Number: 2
Central Meridian: 29° E	Date: 10/06/2013



MINING METHOD

- Highly mechanised, bulk underground mining methods will be used to mine the reef
- There will be a production shaft and ventilation shafts
- The ore mined may be crushed underground
- All ore and waste will be hoisted from the mine via the production shaft
- Ore is then sent to a concentrator plant for processing
- Concentrate will primarily consist of Platinum, Palladium, Rhodium, Gold and Nickel

PROCESSING AND LABOUR

- Initially, all the concentrate will be sold to local smelters for further beneficiation with the possibility of a Platreef owned smelter in the future
- The life of mine is expected to be 30 years based on a 3 million ton a year production rate
- In the order of $\pm 2,000$ people will be employed at full production
- Platreef developed a Social and Labour Plan to addresses socio-economic development and employment

INFRASTRUCTURE

The proposed mine will have the following above ground structures, but is not limited to:

- Concentrator plant
- Shafts and headgear
- Waste rock dump
- Tailings storage facility
- Change houses
- A waste management site
- Raw water storage dams
- Pollution control dams
- Offices and training centre
- Workshops
- River crossings
- Pipelines
- Fuel storage facilities
- Power lines
- Roads
- Stores
- Control rooms
- Medical station



WATER, POWER AND ROADS

- Amount of raw water required is approximately 8 000 – 10 000 cubic litres per day (m^3/day) – Lebalelo Water Users Association will supply the water
- Power supply is currently being investigated with Eskom, to increase the power supply to 63 Mega Watts (MW)
- The project site will be accessed from the N11 and the R518 to transport equipment onto and off the site

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT PROCESS

PURPOSE

- In order for any mining and mining related activities to commence, Environmental Authorisation is required
- An Environmental and Social Impact Assessment (ESIA) must be conducted
- Purpose of the Environmental Authorisation Process:
 - To identify potential environmental impacts (social and biophysical) and determine their likely significance
 - To ensure public involvement
 - To inform Platreef's and the Government's decision-making

REGULATORY REQUIREMENTS

- Legislative requirements for the ESIA include:
 - National Environmental Management Act (Act No. 107 of 1998) (NEMA)
 - Minerals and Petroleum Resources Development Act (Act No. 28 of 2002) (MPRDA)
 - National Environmental Management: Waste Act (Act No. 59 of 2008) (NEM:WA)
 - National Water Act (Act No. 36 of 1998) (NWA)
 - National Heritage Resources Act (Act No. 25 of 1999) (NHRA)

ESIA PROCESS

June – August 2013

SCOPING

- Application
- Announcement
- Stakeholder Meetings
- Draft and Final Scoping Report

July – November 2013

IMPACT ASSESSMENT

- Conduct specialist studies
- Draft and Final EIA Report (and EMPR)
- Stakeholder meetings

December 2013 – April 2014

AUTHORITY REVIEW

- Environmental Authorisation
- Notification of decision
- Opportunity to appeal

PURPOSE OF DRAFT SCOPING REPORT

Identify alternatives and potential impacts requiring more detailed investigation in the EIA phase

Based on:

- Literature reviews
- Professional input (technical and environmental)
- Public input

Forms basis for Plan of Study for EIA

PUBLIC REVIEW

Draft Scoping Reports are available for public review is from 21 June to 1 August 2013 at the following places.

Printed Copies

Name	Location	Contact
Rifilwe Madisa	Mogalakwena Public Library, corner Van Riebeeck and Pretorius Streets	015 491 9729
Lucy Mashetisho	Mahwelereng Public Library, Mahwelereng Village	078 628 3326

Electronic Copies

Steve Horak	www.digbywells.com	011 789 9495
Steve Horak	Phone and request a CD copy	011 789 9495

Also available in directly affected Villages

COMMENTS ON DRAFT SCOPING REPORTS

- Captured at public meetings and comment sheets
- All comments responded to in the Comments and Response Report (CRR)
- Scoping Reports and Plan of Study for ESIA will be revised considering I&AP comments
- All comments will be included in Final Scoping Reports submitted to authorities

SUMMARY OF ENVIRONMENTAL STUDIES

TOPOGRAPHY/VISUAL

- Aspect
 - Proposed project area is relatively flat with the exception of the mountainous area in the north-eastern corner and several isolated ridges
- Potential Impact
 - The construction of infrastructure such as the production shaft, concentrator plant and a tailings storage facility may have a visual impact
- ESIA Study
 - Determine the visual impact of mine infrastructure on the area

SOIL, LAND USE & LAND CAPABILITY

- Aspect
 - Dominating land capability – arable
 - Predominant present land uses – include agriculture and housing, with agriculture dominated by grazing
- Potential Impacts
 - Potential contamination from accidental spillages
 - Removal of topsoil can cause erosion
 - Changes in land use
- ESIA Study
 - Determine soil type and depth
 - Determine soil quality



PLANTS

- Aspect
 - The three vegetation types occur within the study area
 - Clay thorn bushveld
 - Mixed bushveld
 - Waterberg (moist) mountain bushveld
- Potential Impacts
 - Removal of vegetation
 - Possible introduction of invader species
 - Habitat destruction
- EIA Study
 - Identify the plants (medicinal, protected etc.) in the project area including protected species
 - Determine the conservation importance of the plants

ANIMALS

- Aspect
 - Protected species found on site
 - Grey Rhebok
 - Yellow-spot Dassie
 - Yellowbilled Stork
 - African Spoonbill
 - Red Data species might be present
- Potential Impacts
 - Removal of vegetation = Habitat degradation/destruction
- ESIA Study
 - Identify the animals in the project area and determine their importance/vulnerability



AQUATIC ECOSYSTEMS & WETLANDS

- Aspect
 - Two types of systems were identified:
 - Mogalakwena River floodplain
 - Rooisloot, Ngwaditse and Dithokeng Rivers
- Potential Impact
 - Dirty stormwater runoff from the sub-vertical shaft area and other mining infrastructure area such as the workshops and the plant
- ESIA Study
 - Determine the health and importance of the rivers/stream and wetlands



SURFACE WATER

- Aspect
 - 4 main water courses drain across/adjacent study area
 - The Rooisloot, Dorps and Ngwaditse Rivers and Dithokeng stream. These flow into the Mogalakwena River
- Potential Impacts
 - Siltation because of erosion
 - Accidental spillages of hazardous materials/dirty water
- ESIA Study
 - Sample water from the rivers/streams to determine the quality
 - Analyse rainfall and climate to develop a water management plan for the mine (water quantity)

GROUNDWATER

- Aspect
 - Turfspruit and Macalacaskop are mainly underlain by intergranular and fractured aquifers
 - Rietfontein - underlain by sedimentary rocks of the Transvaal Sequence and basement granite
- Potential Impacts
 - Seepage from TSF and PCDs
 - Accidental oil or fuel spillages from machinery
 - Dewatering of underground mining areas
- ESIA Study
 - Investigate how much water is available and how to limit impacts on the groundwater



AIR QUALITY

- Aspect
 - The ambient concentrations of suspended particulates highlight the impact of seasonal changes on dust load in the atmosphere
- Potential Impact
 - Dust generation from
 - Soil stripping
 - Machinery and vehicle movement
- ESIA Study
 - Dust fallout monitoring to see how much dust is in the air
 - Together with climate and topography, determine directions where dust will travel



NOISE

- Aspect
 - Noise levels are currently characterised by:
 - Vehicular traffic on the main roads, livestock, intermittent periods of noise from children (during specific times of the day)
 - Ambient daytime noise level in the communities are mostly below the SANS guidelines for suburban districts
- Potential Impacts
 - Construction vehicles, heavy machinery, production shaft, concentrator plant and associated infrastructure
- ESIA Study
 - To determine the impact that the mining activities might have on the noise levels in the area

ARCHAEOLOGY AND HERITAGE

- Aspect
 - Include tangible, physical material culture that was left behind and intangible, living heritage of the people that still inhabit the region
- Potential Impacts
 - Relocation of graves
 - Demolition of old structures and removal of paleontological structures
 - Removal of artefacts and demolishing of structures with archaeological significance
- ESIA Study
 - Identify and investigate all archaeological and heritage sites
 - Determine the significance of each finding

SOCIO-ECONOMIC ENVIRONMENT

- Aspect
 - Land owner: Government of the Republic of South Africa
 - Traditional Authority has jurisdiction over the land
- Potential Impacts
 - Negative impacts: Loss of access to arable land, population influx, pressure on resources/infrastructure, impacts to cultural heritage, land claim issues
 - Positive impacts: Direct economic development; indirect economic benefit and local investment; skills development
- ESIA Study
 - Determine the impact of the mine on the people living in the area and the local economy

BASELINE HEALTH ASSESSMENT

- ESIA Study
 - Consider the potential future health impacts of the project on people
 - Determine the existing health needs of the community based on health strategies, infrastructure programs, service priorities, delivery plans and challenges
 - Recommend measures to avoid/mitigate negative and enhance positive impacts resulting from the project at the relevant project stage

PUBLIC PARTICIPATION PROCESS

The Public Participation Process is an essential component for any ESIA process to ensure I&APs are provided with an opportunity to contribute meaningfully to the ESIA process. Digby Wells, supported by Barnstone, will facilitate the PPP and any comments received from I&APs will be recorded.



WHAT IS PUBLIC PARTICIPATION

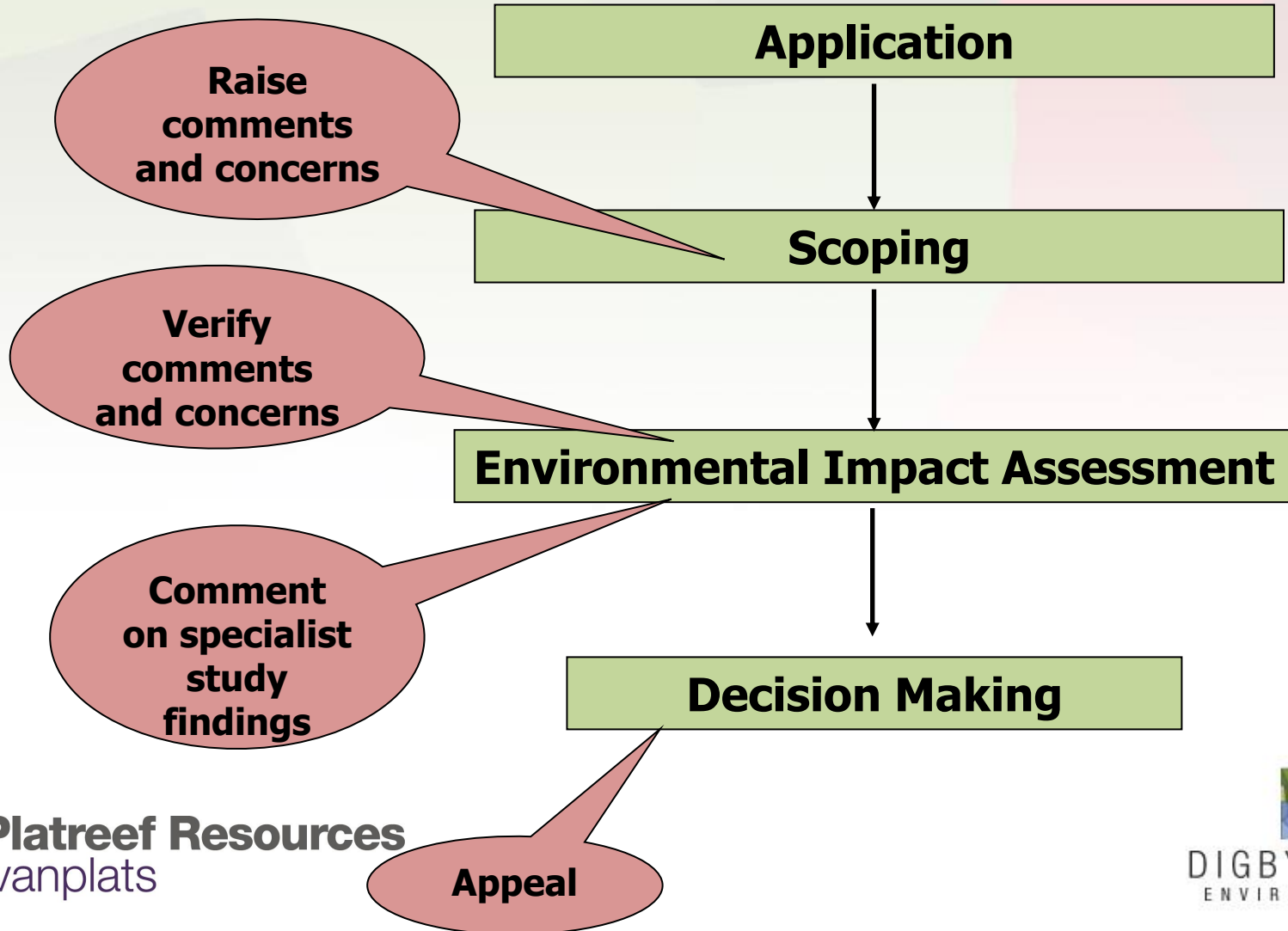
A process leading to a joint effort of

- stakeholders
- technical specialists
- the authorities
- the proponent

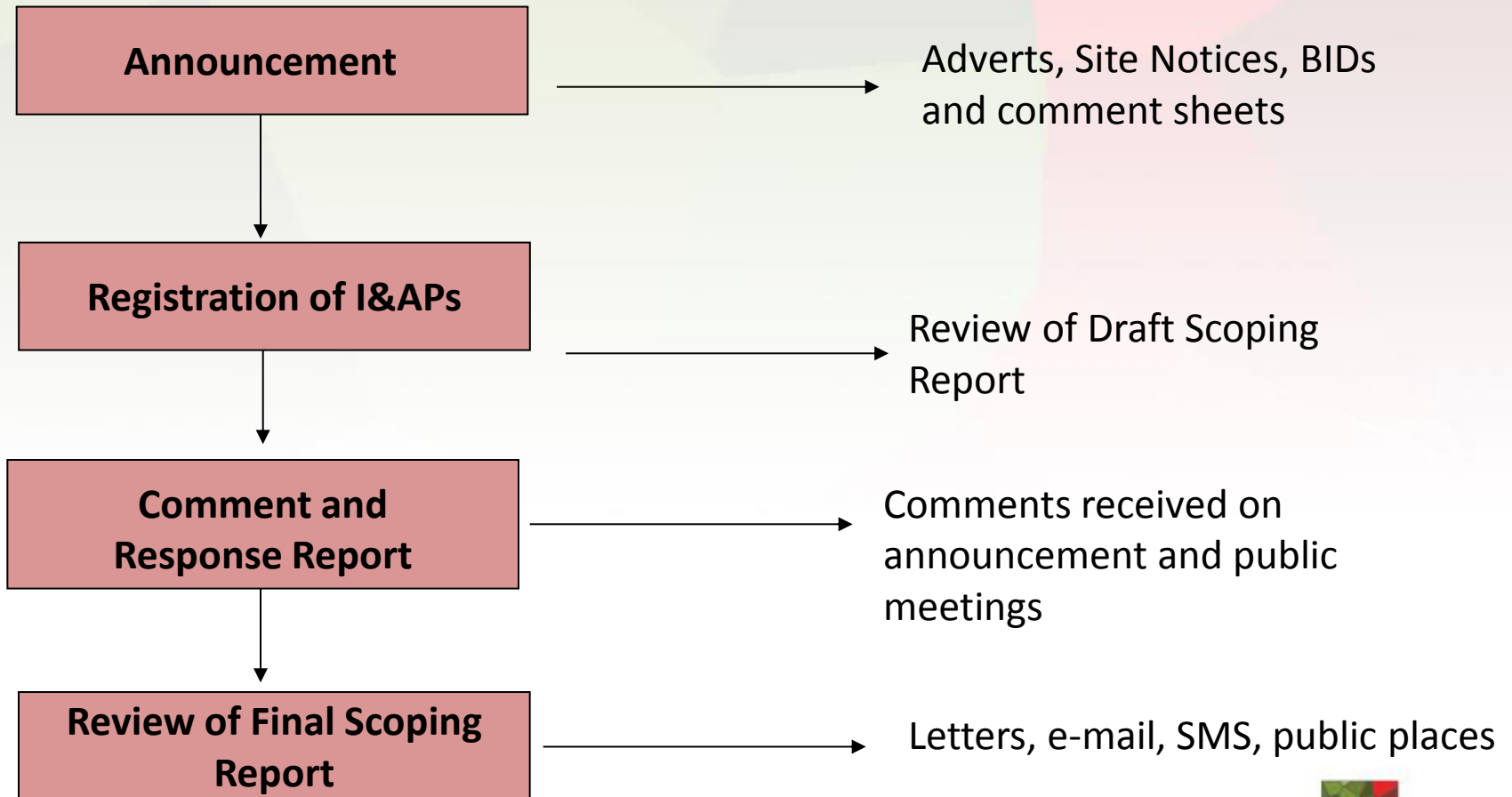
PROJECT SPECIFIC EIA PROCESS



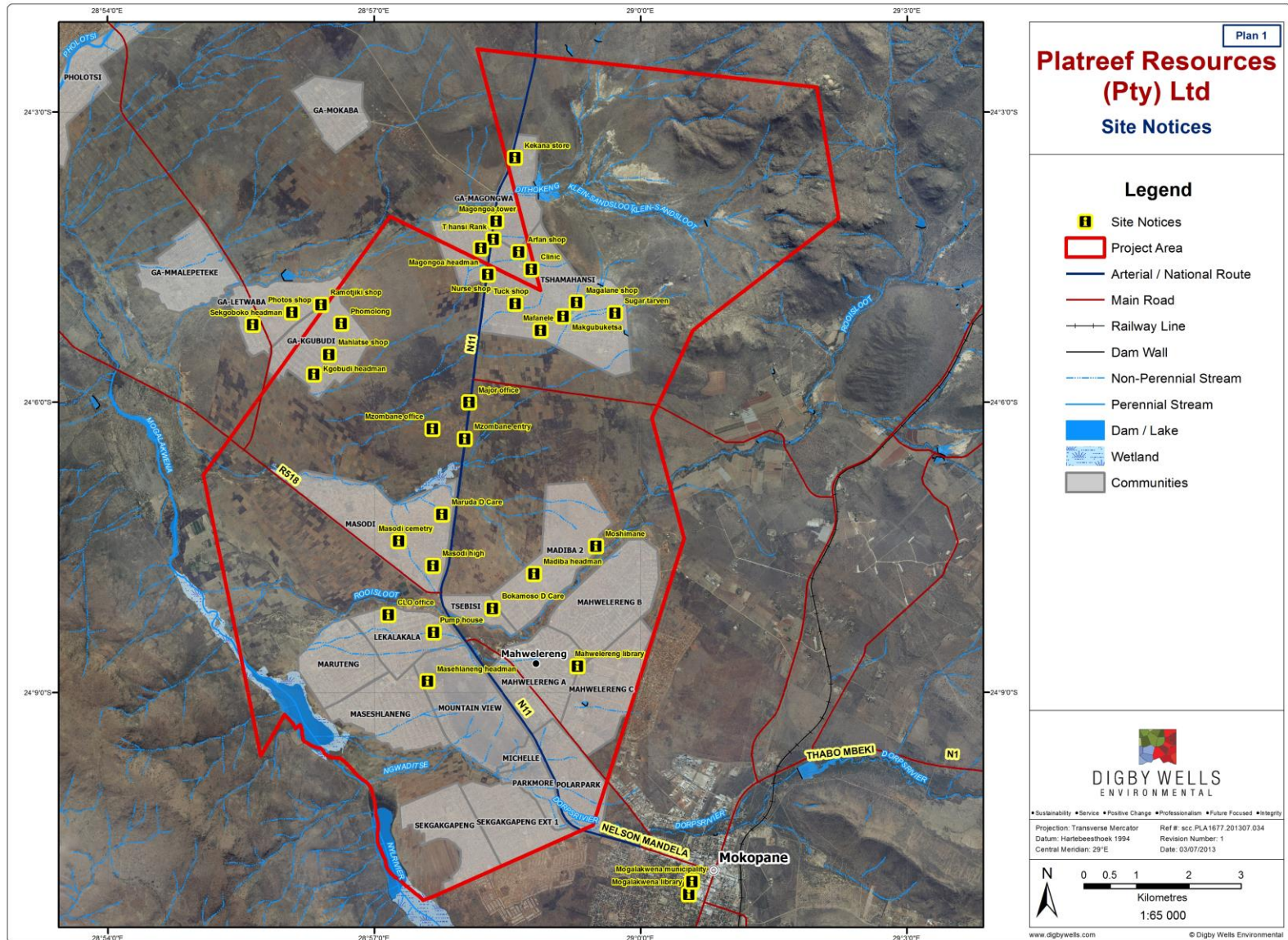
HOW PUBLIC PARTICIPATION FITS INTO THE ESIA



PUBLIC PARTICIPATION - SCOPING



DISTRIBUTION OF SITE NOTICES



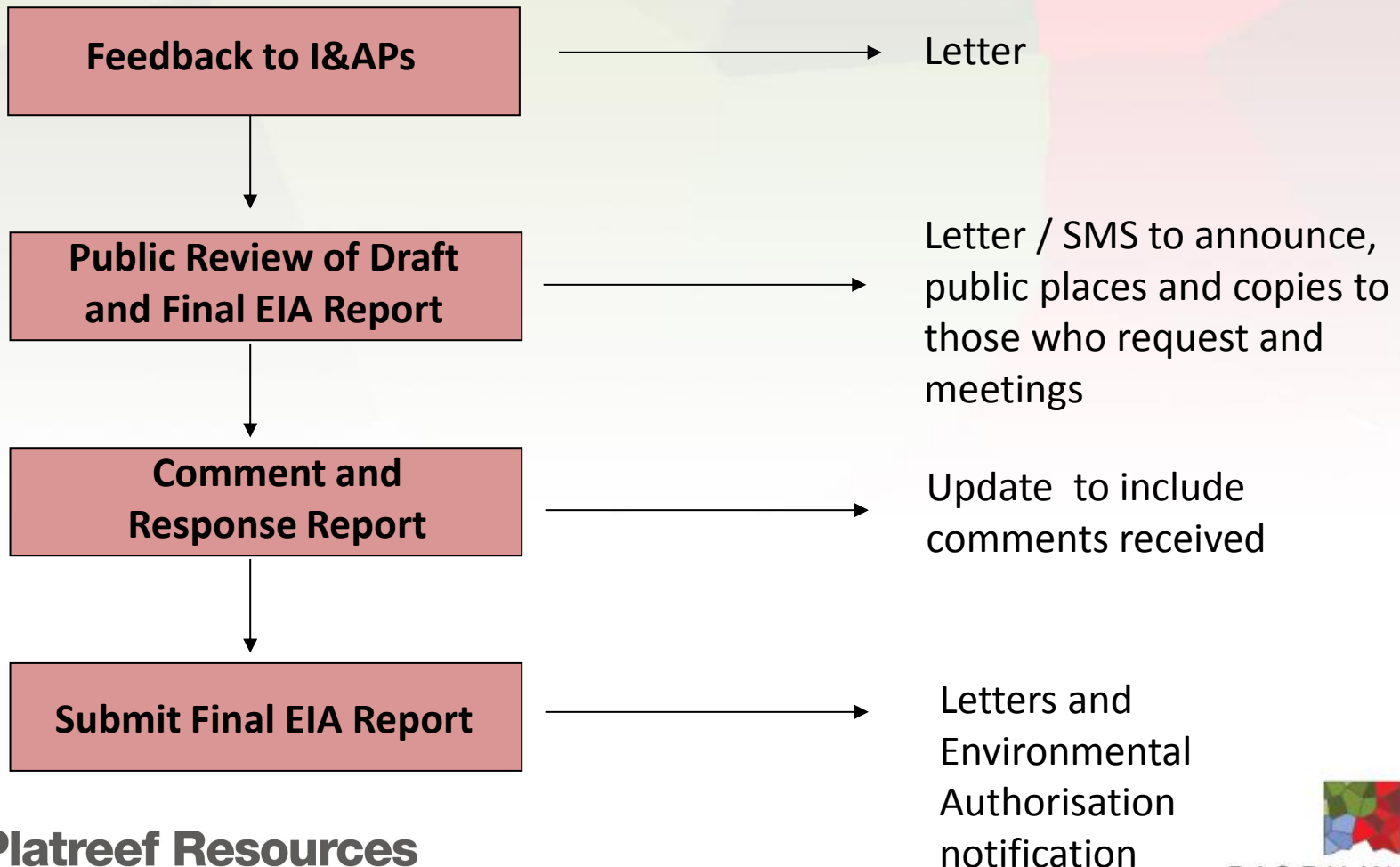
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 Central Meridian: 29°E Date: 03/07/2013
 0 0.5 1 2 3
 Kilometres
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ADVERTISEMENTS

Advertisements were published on the 21 June 2013 as follows:

- Bosvelder
- Noordelike Nuus
- Limpopo Mirror
- Seipone

PUBLIC PARTICIPATION – IMPACT ASSESSMENT



THANK YOU

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