

Hughes Linda

From: Jon Gibson <jgibson@mineralgeos.com>
Sent: Friday, 25 January 2013 3:47 PM
To: Hughes Linda
Cc: Liam Clements; John Ward
Subject: Penrose and Kulla Rehabilitation Reports RE: EPC890 notes from meeting 11 DEC 2012

Hi Linda

Your report / minutes of the meeting 11/12/12 required a rehabilitation report from me at the end of January 2013.

I will Drop Send two draft reports for your information as we are having a teleconference on 30/1/13.

Also I will send the weed count report (data collected) by Geos Mining's Mark Murawski.

Do not hesitate to contact me should you need more information.

Cheers

Jon Gibson

Geos Mining

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From: Hughes Linda [<mailto:Linda.Hughes@ehp.qld.gov.au>]

Sent: Tuesday, 11 December 2012 3:32 PM

To: Mark Dowd; Jon Gibson

Subject: EPC890 notes from meeting 11 DEC 2012

Afternoon Mark and Jon,

For your records here are the notes from this mornings meeting, I do apologise for not getting the name of the second Geos Mining Representative.

Please let me know if I have missed anything

Regards

Linda Hughes

Environmental Officer, Mining
Environmental Services and Regulation
Central Region

Telephone: 07 4987 9345

Facsimile: 07 4987 9399

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Department of Environment and Heritage Protection

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RTI DL RELEASE - EHP

Hughes Linda

From: Hughes Linda
Sent: Friday, 1 February 2013 5:52 PM
To: 'Jon Gibson'
Cc: Liam Clements (lclements@mineralgeos.com)
Subject: RE: Minutes from DEHP_Geos Mining meeting
Attachments: HLM Coal - Amendment Application.pdf.pdf; 120927_EPC890_EM PLAN LETTER.pdf

Jon,

Jon I have already sent you the only email correspondence that you were not cc'd into.

DEPARTMENTAL INFORMATION

This is the link <http://www.ehp.qld.gov.au/land/mining/index.html> to the departmental webpage relating to the environmental requirements of mining activities. All codes of compliance, forms, policy, guidelines etc can be found here.

EA AMENDMENT APPLICATION

Please find attached the original Amendment Application submitted by Geos Mining on behalf of HLM Coal Australia Pty Ltd as requested. I have already forwarded you the email from Mark stating that Geos mining wish to amend the application. The Department has already sent out formal notifications about the Assessment Level Decision. I have also attached the letter outlining the requirement for an EM Plan. Last update from Mark was that he was still working on it. On the link above are the guidelines for an EM Plan and its content requirements. Currently this application is in stop clock mode until the EM Plan is received to restart the assessment time frames.

Based on your new proposed exploration activities, if the current application is to be withdrawn and a new one submitted in its place then all the required forms are in the above link. Please be aware this will instigate a whole new assessment process from the beginning including all assessment requirements and statutory timeframes.

QUARRY / ERA 16

I have spoken with the Environmental Services Rockhampton office who administer the Developmental Authority and ERA 16. I have been advised if you maintain the extraction amount to under the trigger limited outlined in ERA 16 then there is no further government requirement. It may be pertinent to get permission from the landowner (outlining allowable extraction amount methods and where it will be used on the property) in writing before you proceed with this.

If you go over the trigger threshold then the *Sustainable Planning Act 2009* is triggered. First contact will be to the local council to ascertain their requirements as it may trigger a Material Change of Use for the land in question – which will have implications for the landowner. Once you have met local council requirements then the department has further requirements. I have included a link to the DA pre-lodgement assessment process for you :<http://www.ehp.qld.gov.au/management/planning-guidelines/legislation/integrated-planning-act/index.html>

I missed your call this afternoon so can you please call me on Monday when you are free to discuss your queries.

Regards

Linda Hughes
Environmental Officer | Environmental Services - Mining
P: 07 4987 9345 | F: 07 4987 9399 | E: linda.hughes@ehp.qld.gov.au

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From: Jon Gibson [<mailto:jgibson@mineralgeos.com>]
Sent: Friday, 1 February 2013 2:20 PM
To: Hughes Linda
Subject: Minutes from DEHP_Geos Mining meeting

Hi Linda,

Minutes attached for your information and comment if necessary. What is the name your colleague who attended ?

I am confused about:

EA Amendment:

the EA Amendment application document you have in your system. Can you send back to me so I know this is the latest that Mark Dowd prepared before he left Geos Mining.

DA:

s.73 irrelevant information

Cheers

Jon Gibson

Geos Mining

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From: John Ward
Sent: Friday, 1 February 2013 2:17 PM
To: Jon Gibson; Robert White
Subject: RE: Minutes from DEHP_Geos Mining meeting

Nothing to add from me

From: Jon Gibson
Sent: Friday, 1 February 2013 2:07 PM
To: John Ward; Robert White
Subject: Minutes from DEHP_Geos Mining meeting

John and Robert

I'm about to send Linda these Minutes. Any last comments?

Cheers

Jon Gibson

Geos Mining

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Hughes Linda

From: Hughes Linda
Sent: Monday, 11 February 2013 5:24 PM
To: 'John Ward'
Cc: Jon Gibson; Robert White
Subject: RE: Code of Compliance query

Good Afternoon Gentlemen,

Firstly, I saw your email of last week - please let me know if you have made contact with the correct section in the Department of Environment and Heritage Protection in relation to DAs, and if you need any further assistance with that?

10 ha disturbance – rehabilitated areas can only be subtracted from the total amount of disturbance once rehabilitation has been completed and no longer meets the definition of *significantly disturbed land* in accordance with current legislation. If the track, although rehabilitated, is continued to be used for exploration activities then it is to remain in the current disturbance calculations.

For the disturbance subject to recent compliance investigations by the department, completed rehabilitation is to be demonstrated in the form of a Rehabilitation Report outlining how the disturbed areas in question are now in compliance with the *Code of Environmental Compliance for Exploration and Mineral Development Projects*. These Rehabilitation Reports have to be submitted to the department and accepted via written correspondence given to the client, before the area in question can be subtracted from the total amount of disturbance. The content requirements of these Rehabilitation Reports have been discussed in prior meetings.

Happy to discuss further if required.
Regards

Linda Hughes
Environmental Officer | Environmental Services - Mining
P: 07 4987 9345 | F: 07 4987 9399 | E: linda.hughes@ehp.qld.gov.au

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From: John Ward [<mailto:jward@mineralgeos.com>]
Sent: Monday, 11 February 2013 10:50 AM
To: Hughes Linda
Cc: Jon Gibson; Robert White
Subject: Code of Compliance query

Hi Linda,

Please can you advise on the following query regarding the Code of Compliance which states that up to 10ha can be disturbed at any one time for a Level 2 compliance. Can you advise if this means that any rehabilitated site's or tracks would no longer be included as disturbed ground.

Regards

John Ward
Geologist

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RTI DL RELEASE - EHP

Hughes Linda

From: Hughes Linda
Sent: Monday, 18 February 2013 6:22 PM
To: 'John Ward'
Cc: Jon Gibson; Robert White
Subject: RE: Clearing vegetation query
Attachments: webmap.pdf.pdf

Good Afternoon Gentlemen,

Apologises for the late reply, s78B(2) - Privacy

The short answer is yes, you are exempt from complying with the *Vegetation Management Act 1999* because **all** mining activities are covered under the *Environmental Protection Act 1994 (EP Act)* and the *Mineral Resources Act 1989*. If vegetation is cleared on a mining tenement, as part of a mining activity under an approved **environmental authority** then the clearing is authorised under the *Environmental Protection Act 1994*. Where the clearing occurs either off the mining tenement, or on the mining tenement however not as part of a mining activity, the clearing requires authorisation under other legislative tools i.e. PMAV, such as the *Vegetation Management Act 1999* administered by the Department of Natural Resources and Mines.

EPC890 has a level 1 non code compliant Environmental Authority MIN200899109.

An amendment application will be required if proposed drilling activities do not comply with the *Code of Environmental Compliance for Exploration and Mineral Development Projects* – (a legislative tool under the EP Act) – your query relates to Condition 13 of this Code.

The *Environmental Protection Regulation 2008* provides the definitions of Category A and B Environmentally Sensitive Areas (ESA) (sections 25 and 26) as referred to in condition 13 of the Code. Of particular importance to you is condition 26 (b) (j) which specifies that the mapping tool to be used to determine if there is Category A or B ESA on your tenure is the *Regional Ecosystem Description Database (REDD)*. The maps generated by REDD can be found on this link <http://www.ehp.qld.gov.au/land/mining/index.html> - please scroll down to the very bottom of the web page where there is a link to Maps of environmentally Sensitive Areas. The attached map is from this link, therefore if you propose to do any mining activities in the purple areas you will have to submit an amendment application to get approval to do so. Statutory timeframes apply to these applications.

There is currently an amendment application with the department under “stop clock” as it is awaiting an EM Plan. A copy of this application has been forwarded to Jon Gibson previously, if you wish to amend this current application to reflect the updated drilling program (as this application refers to a different property), I am happy to discuss if required.

The above link is a very important link, in that it refers to all the Codes, guidelines, forms etc specifically for mining activities administered under the EP Act through this department. For your benefit here is a link to the legislation http://www.legislation.qld.gov.au/Acts_SLs/Acts_SL_E.htm. It is important that you refer back to these links and do not save any legislation, forms or guidelines for future use as they are technically live documents and get updated to reflect the legislative updates.

I do hope this has helped.

Regards

Linda Hughes
Environmental Officer | Environmental Services - Mining
P: 07 4987 9345 | F: 07 4987 9399 | E: linda.hughes@ehp.qld.gov.au

From: John Ward [<mailto:jward@mineralgeos.com>]
Sent: Wednesday, 13 February 2013 3:00 PM
To: Hughes Linda
Cc: Jon Gibson; Robert White
Subject: Clearing vegetation query

Hi Linda,

I am enquiring as to whether you can assist with a vegetation clearing query?

s.73 irrelevant information

Any help would be greatly appreciated.

Regards

John Ward
Geologist

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» **Web:** www.geosmining.com

Hughes Linda

From: Hughes Linda
Sent: Monday, 11 February 2013 7:42 AM
To: 'Jon Gibson'; John Ward
Cc: Robert White; Liam Clements
Subject: RE: EPC890 - Rocklands EA questions

Good Morning Jon,

Please let me know if I can be of any assistance.

Regards

Linda Hughes
Environmental Officer | Environmental Services - Mining
P: 07 4987 9345 | F: 07 4987 9399 | E: linda.hughes@ehp.qld.gov.au

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From: Jon Gibson [<mailto:jgibson@mineralgeos.com>]
Sent: Tuesday, 5 February 2013 10:44 AM
To: John Ward; Hughes Linda
Cc: Robert White; Liam Clements
Subject: RE: EPC890 - Rocklands EA questions

S.73 irrelevant information

Jon Gibson
Project Manager: Coal

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From: John Ward
Sent: Monday, 4 February 2013 9:39 AM
To: linda.hughes@ehp.qld.gov.au

Cc: Jon Gibson; Robert White; Liam Clements
Subject: EPC890 - Rocklands EA questions

Hi Linda,

Further to our recent telephone conference, we have now ascertained that John Engtwich's quarry falls outside the lease boundary. The gravel that we require falls below the 5000t limit but we will require a DA? due to the quarry falling outside lease. Please can you advise on the steps we need to go through for approval for this?

- Who we need to apply through
- Where we find the required forms and documentation
- How long the process will take

Also the Code of Compliance states that up to 10ha can be disturbed at any one time for a Level 2 compliance. Can you advise if this means that any rehabilitated site's or tracks would no longer be included as disturbed ground.

Best Regards

John Ward

Geologist

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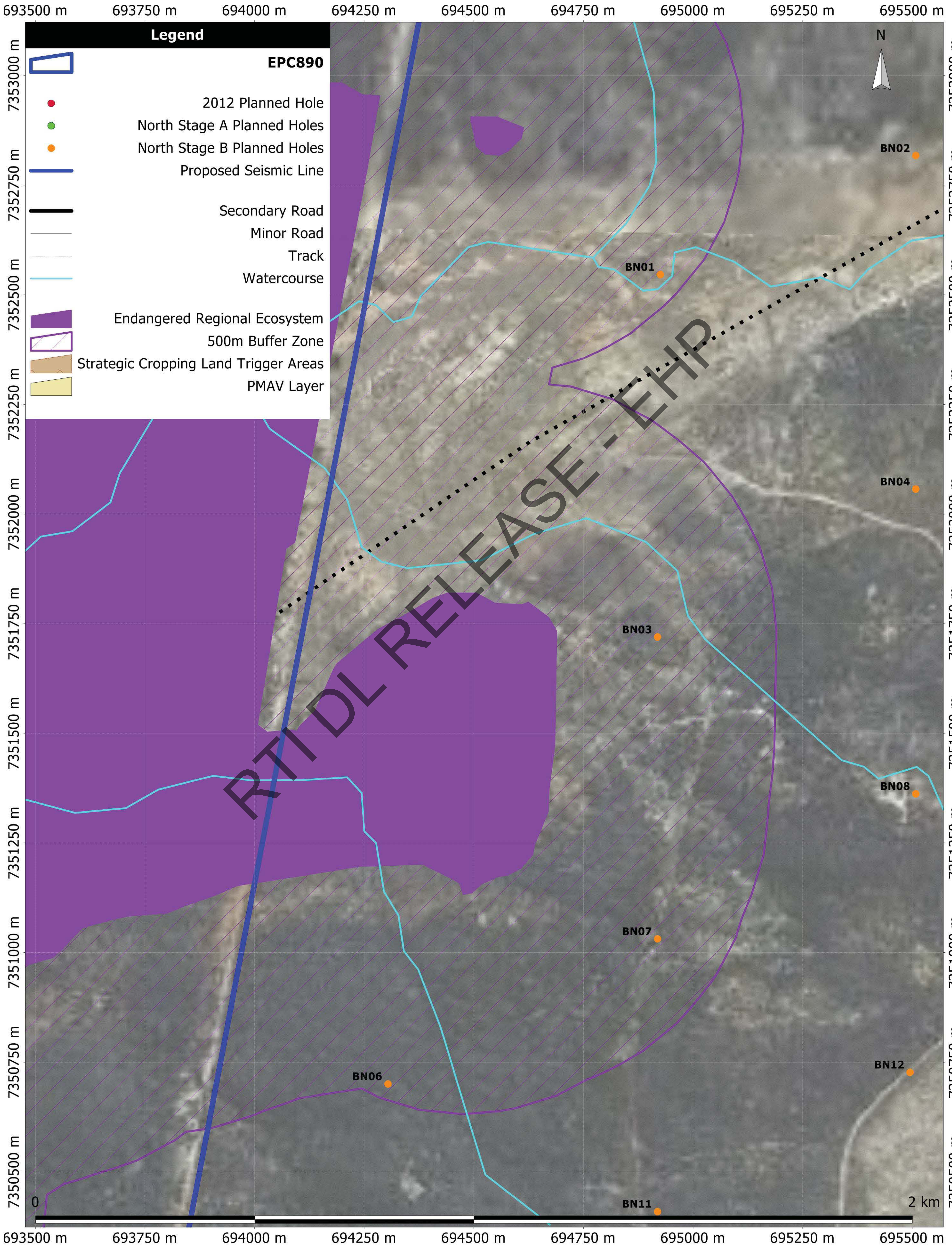
» **Web:** <http://www.mineralgeos.com/>

RTI DL RELEASE - EHP

EPC890 Exploration Plan 2013



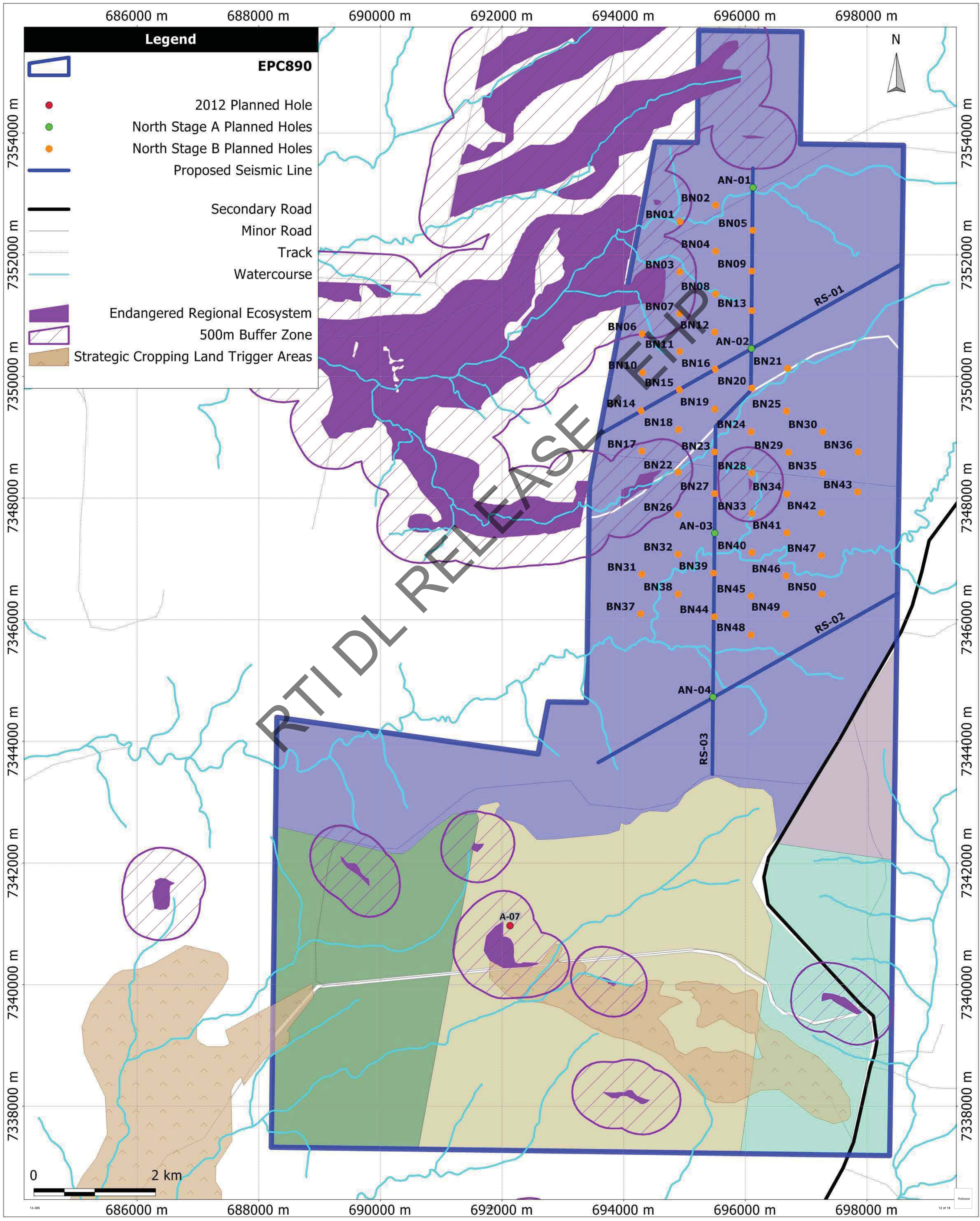
Drill holes in ERE Buffer



EPC890 Exploration Plan 2013

55 Drill Holes and 22km Seismic

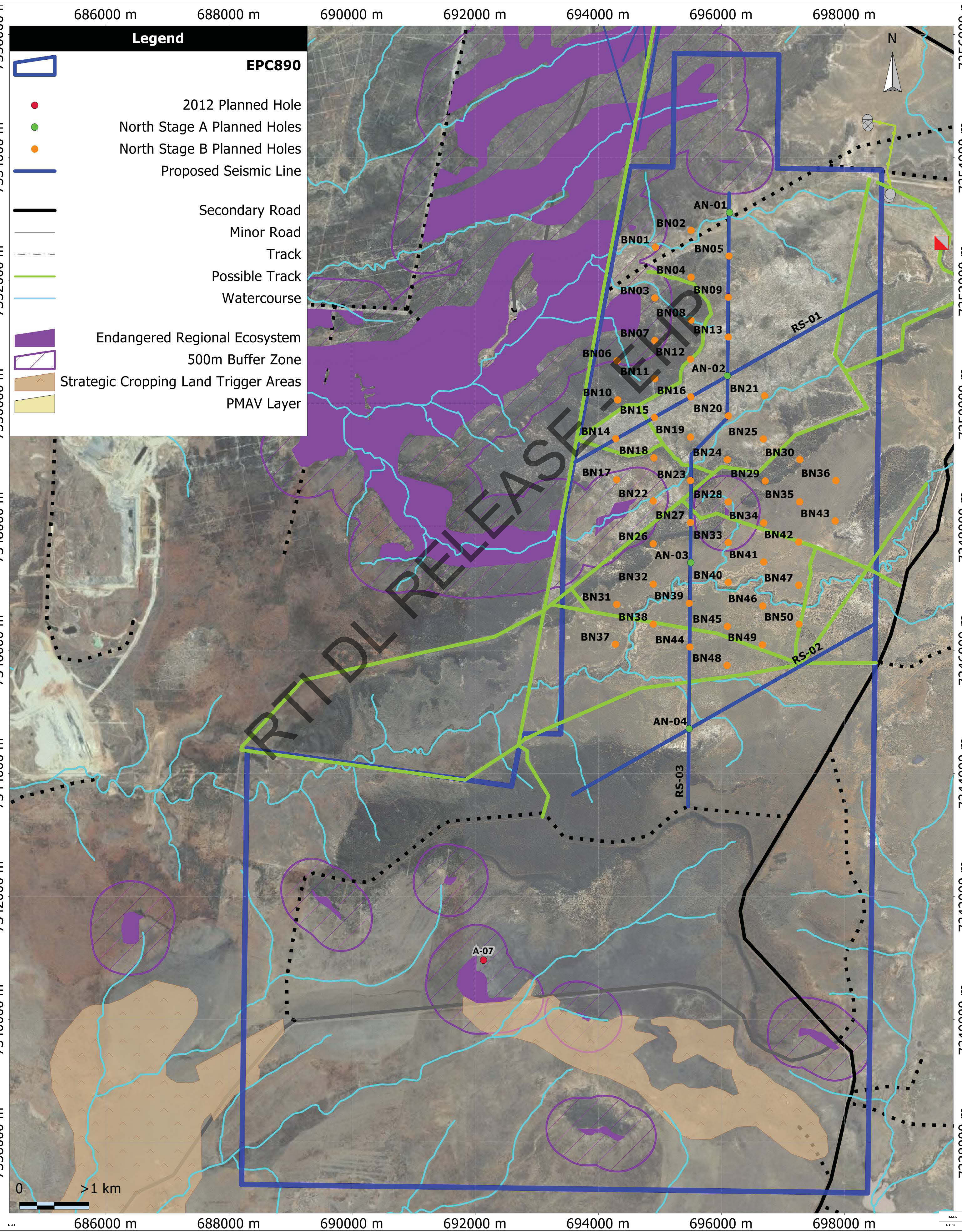
01/02/2013



EPC890 Exploration Plan 1

55 Drill Holes

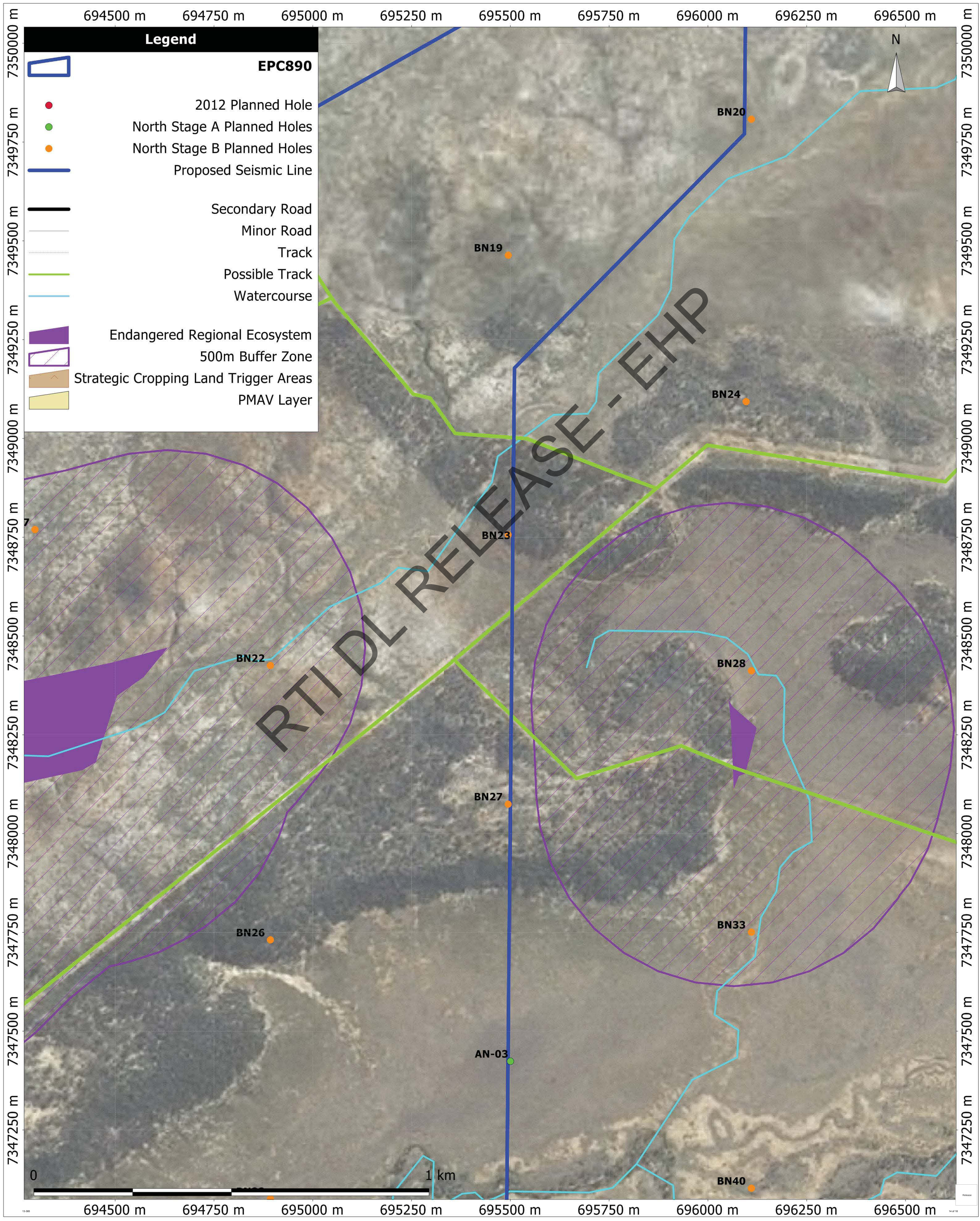
20/12/2012



EPC890 Exploration Plan 1

ERE Buffer Holes

04/03/2013



Hughes Linda

From: Talal Dugri <TDugri@moultrie.com.au>
Sent: Thursday, 17 October 2013 3:02 PM
To: Hughes Linda
Subject: FW: mapping

Hi Linda,

Thanks for your time this morning.

In amongst the ponderous reading below, the advice we were given to create the "worst case map" is evident. Highlights are mine as related to the Cat B buffer advice discussed for Mature Growth.

From: Benjamin Smith
Sent: 08 October 2013 11:43
To: Talal Dugri; Darren Maxwell
Cc: Paul Bannerman; Jason Moultrie
Subject: Fwd: mapping

Please read Andrew's emails below regarding the remapping of the environmental zones in EPC 890.

Cheers

Sent from my iPhone

Begin forwarded message:

From: Andrew Jensen <andrew.jensen@coffey.com>
Date: 8 October 2013 11:39:42 AEST
To: Benjamin Smith <BSmith@moultrie.com.au>
Subject: RE: mapping

Hi Ben,

Further to the email below, regarding the assessment of potential impacts on matters of national environmental significance (MNES), the following should be noted in the significant impact guidelines:

If after undertaking a self-assessment you conclude that your action is likely to have a significant impact on a matter of national environmental significance, or if you are unsure, you should refer the action to the Australian Government environment minister. Substantial penalties apply for taking an action that has, will have or is likely to have a significant impact on a matter of national environmental significance without approval.

Although RE 11.8.11 is listed as 'of concern' under state legislation, and therefore not requiring a buffer zone within the EA held by Shandong, it is an RE which constitutes the Natural grasslands of the QLD Central Highlands and the North Fitzroy Basin Commonwealth listed community.

Under Commonwealth significant impact guidelines, significant impacts to threatened ecological communities (TECs) are assessed as occurring if the action will:

- reduce the extent of an ecological community
- fragment or increase fragmentation of an ecological community, for example by clearing vegetation for roads or transmission lines
- adversely affect habitat critical to the survival of an ecological community

- modify or destroy abiotic (non-living) factors (such as water, nutrients, or soil) necessary for an ecological community's survival, including reduction of groundwater levels, or substantial alteration of surface water drainage patterns
- cause a substantial change in the species composition of an occurrence of an ecological community, including causing a decline or loss of functionally important species, for example through regular burning or flora or fauna harvesting
- cause a substantial reduction in the quality or integrity of an occurrence of an ecological community, including, but not limited to:
 - assisting invasive species, that are harmful to the listed ecological community, to become established, or
 - causing regular mobilisation of fertilisers, herbicides or other chemicals or pollutants into the ecological community which kill or inhibit the growth of species in the ecological community, or
- interfere with the recovery of an ecological community.

The main issues at EPC890, if the community is avoided, are likely to relate to surface water runoff and weed control.

I would therefore recommend relocating the drill holes if possible to an area outside of the community, ensure the community is adequately demarcated on site to avoid incursions into the community, and then set up an adequate buffer zone as best practice to demonstrate that indirect impacts from weed incursion, surface run off etc are avoided, should the internal self assessment process be audited at any stage.

Should you require any further assistance with this please do not hesitate to be in touch.

Kind regards

Andrew Jensen
Senior Environmental Consultant

t: +61 7 3002 0438

f: +61 7 3002 0444

mSch4p4(6) Personal information

From: Andrew Jensen
Sent: Tuesday, 8 October 2013 11:20 AM
To: 'Benjamin Smith'
Subject: RE: mapping

Hi Ben,

The Qld government website states the following regarding PMAVs:

PMAVs are property-scale maps certified by the Department of Natural Resources and Mines (DNRM). They show the boundaries of areas that can be cleared without approval, and areas for which approval may be required before clearing can be done.

When a PMAV is in effect for a property, it replaces the regional ecosystem and regrowth maps for determining the location of vegetation assessable under the vegetation management laws.

<http://www.nrm.qld.gov.au/vegetation/pmavs.html>

With regard to EPC 890, it appears at a cursory glance as though this PMAV covers the southern lot of the attached map, and that the area mapped as remnant vegetation has been reduced. In accordance with the Qld government advice, the PMAV does supersede RE mapping held in this area. I note that the accuracy of the PMAV mapping is +/- 25 m so I would recommend that this is accounted for in development of the 500m buffer around this endangered RE.

One point to note however. I see that there are areas of high value regrowth mapped as being present in that area on the attached map (blue shading to west) – in 2008 when the PMAV was issued the criteria around regrowth vegetation were different. Since then, the EP Act has been revised (June 2012) and EHP now recognises mature regrowth vegetation by regional ecosystem type in accordance with the updated mature regrowth digital data.

Therefore, such areas of endangered mature regrowth vegetation would be mapped in accordance with its remnant status as an ERE and included as a Category B ESA following this amendment, and subject to a 500 m buffer zone under the EA as with other areas of Endangered REs. It is difficult to tell on the key on the attached map, as of concern and endangered high value regrowth are both shaded blue, but it appears at least the area to the west of the RE 11.4.8/11.4.9a is endangered.

It would therefore appear as though the PMAV under represents the areas of endangered vegetation on site - it is probably worth clarifying this with your contact case officer at Queensland Government you are dealing with for the EA amendment however. It may be that they recommend re groundtruthing of the tenement to ensure all areas of endangered REs are picked up, including these areas of mature regrowth which require to be mapped since the PMAV was issued. Best practice in the interim would be working off the mapping as provided by Qld government on the attached pdf until the issue is resolved.

In addition, the Natural grasslands of the QLD Central Highlands and the North Fitzroy Basin Commonwealth listed community (represented by RE 11.8.11) falls under Commonwealth legislation and this area should be avoided, despite the RE type being of concern. I would recommend that a buffer around this community be established to avoid significant impacts in line with our conversation earlier, and the attached guidelines on assessment of significant impacts on matters of national environmental significance.

Please let me know if you require any further assistance. Will be in touch with further detail regarding the Commonwealth listed threatened ecological community in this area separately.

Kind regards

Andrew Jensen
Senior Environmental Consultant

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nsch4p4(6) Personal information

From: Benjamin Smith [<mailto:BSmith@moultrie.com.au>]
Sent: Tuesday, 8 October 2013 10:33 AM
To: Andrew Jensen
Subject: FW: mapping

FYI

Benjamin Smith

Benjamin Smith
Resource Team Leader / Senior Project Geologist
Mobsch4p4(6) Personal information

From: Jason Moultrie
Sent: 04 October 2013 9:44
To: Paul Bannerman
Cc: Talal Dugri; Benjamin Smith; Mark Hayward
Subject: FW: mapping

FYI

Regards

Jason Moultrie

Jason Moultrie

Chief Executive Officer

Mob sch4p4(6) Personal information

Moultrie Group

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From: sch4p4(6) Personal information

Sent: 04 October 2013 6:48

To: Jason Moultrie

Subject: mapping

sch4p4(6) Personal information

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