



water & sanitation

Department
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Northern Cape Region, Private Bag X6101, Kimberley, 8301, 28 Central Road, Beaconsfield, Kimberley, 8301
Tel.: 053-836 7600, Fax: 053-842 3258

Enquiries: Ms.V Ramugondo
Email: ramugondov@dws.gov.za

Tel: 053 8367648
Fax: 053 842 0461

The Manager
Alidabix (Pty) Ltd
P.O. Box 2473
kimberley
8301

By Email/Registered Mail

Dear Ms T. Jooste

RE:NOTICE OF APPLICATION FOR PROSPECTING RIGHT FOR COPPER, ZINC,GOLD,SILVER, DIAMOND GENERAL , DIAMOND ALLUVIAL, DIAMOND KIMBERLITE, MOLYBDENUM, NICKEL AND PLATINUM GROUP METALS OVER PORTION 3 (A PORTION 1-STOMP OOR A) OF THE FARM STOMP OOR 109, SITUATIATED IN THE PRIESKA DISTRICT, NORTHERN CAPE.

Reference is hereby made to the notification letter for the proposed prospecting activity of copper, zinc, gold, silver, diamond general, diamond alluvial, diamond kimberlite, molybdenum, nickel and platinum group metals over portion 3 (a portion 1-stomp Oor a) of the farm stomp Oor 109 by M and S Consultant (Pty) Ltd on behalf of Alidabix (Pty) Ltd as submitted to the Department of Water and Sanitation, received on 23 July 2018 with DMR reference number **NC30/5/1/1/2/12131PR**.

1. ISSUES TO TAKE INTO CONSIDERATION

For the applicant (Alidabix Pty Ltd) to comply with the Department of Water and Sanitation (DWS) requirements in terms of National Water Act No 36 of 1998, the applicant is therefore requested to:

- (a) Provide the Department with the Basic Assessment Report (BAR)/ Environmental Management Report with DWS recommendations together with all the related Study reports and plans that were conducted :-
 - This may include the Master Layout Plan drawn to show all infrastructures and mining activity within the farm.
 - Water sources and water use must be indicated
 - Quantity of water to be used and water resource must be specified.



NATIONAL DEVELOPMENT PLAN
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NOTICE OF APPLICATION FOR PROSPECTING RIGHT FOR COPPER, ZINC, GOLD, SILVER, DIAMOND GENERAL, DIAMOND ALLUVIAL, DIAMOND KIMBERLITE, MOLYBDENUM, NICKEL AND PLATINUM GROUP METALS OVER PORTION 3 (A PORTION 1-STOMP OOR A) OF THE FARM STOMP OOR 109, SITUATED IN THE PRIESKA DISTRICT, NORTHERN CAPE

- (b) Your client is therefore advised to apply and obtain the water use authorisation prior to commencement of the proposed activities. The applicant should send the intent to apply for a water use authorisation to the Department;
- (c) A pre-consultation meeting has to be arranged with the Department to advise on the water uses that are triggered by the activity which require authorisation and relevant reports (including before submission of the complete application to Department).
- (d) Please note that should the applicant decide to mine any commodity within 500 m buffer zone of the wetland, a risk matrix has to be conducted by a Wetland Specialist (registered with SACNASP as a professional member) and submitted to the Department in order to determine the impacts of the proposed activities on the watercourse (Wetland).

This information will assist the Department to decide on the type of water use authorisation requirements for the proposed activities;

This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.

This office reserves the right to revise initial comments and request additional information that may arise from correspondence and/or upon inspection.

You may contact the Department should you have any enquiries.

Yours sincerely



DIRECTOR: INSTITUTIONAL ESTABLISHMENT

DATE: 26/7/2018

ALIDABIX PROPRIETARY LIMITED

REG. NO. 2017/471777/07

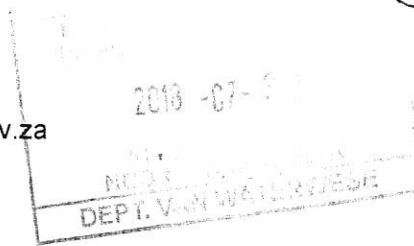
Tel: +27 53 832 3298 | Fax: +27 53 832 3298 | 94 Central Road, Beaconsfield, Kimberley, 8315

30 July 2018

Director: Institutional Establishment
Department: Water and Sanitation
Private Bag X6101
Kimberley
8301

Email: ramugondov@dws.gov.za

Dear Sir / Madam



RE: PROSPECTING RIGHT APPLICATION - PORTION 3 (A PORTION 1-STOMP OOR A) OF THE FARM STOMP OOR 109 - NC30/5/1/1/2/12131PR

We refer to your letter dated 26 July 2018, attached hereto for ease of reference. Also attached hereto is the final Basic Assessment Report & Environmental Management Programme Report. The draft Basic Assessment Report & Environmental Management Programme Report was send to all interested and affected parties, including the Department of Water and Sanitation, on 17 May 2018.

Please note the following:

- a) There are a number of dry water courses, which traverses the application area. A 100m no-prospecting buffer zone has been placed around these dry water courses. See Appendix 4 of the Basic Assessment Report ("BAR").

No pans/wetland (perennial/non-perennial) occur on the area under application.

- b) Sections 19 & 20 of the National Water Act, 1998 (Act No. 36 of 1998) ("NWA") will at all times be adhered to.

With regard to section 19 of the NWA -

Environmental management procedures for identifying, managing, preventing and mitigating environmental risks have been formulated as part of the BAR process and included in the Environmental Management Programme.

With regard to section 20 of the NWA -

The Acting Director-General of Water and Sanitation has, in terms of Section 39 of the NWA, published the revised General Authorisation (GNR 538 of 02 September 2016) pertaining to the taking and storing of water, water uses in terms of Section 21(a) and 21(b) of the NWA respectively.

The General Authorisation came into effect on 1 March 2017 and replaced the General Authorisation for the taking and storing of water contained in GNR399 of 26 March 2004.

In terms of clause 7.2 of the Schedule to the 2017 General Authorisations, registration of a water use is only required if more than 10m³ of water is taken from a groundwater resource per day on average over a year on a property.

During Phases 6 and 8 of the prospecting work programme, Alidabix (Pty) Ltd ("Alidabix") plans to drill a total of fifteen core boreholes. Provision has been made for 5 000 - 8 000 litres of water per day for the drill rig and therefore will not exceed the 10 000 litres (10m³) limit per day and will not exceed the average over a year on the property since the core drilling programme will not be for the full duration of a year.

Accordingly, Alidabix is not required to apply for a water use license or register its water use after 3 March 2017 with the responsible authority by virtue of clause 7 of the 2017 General Authorisations.

Please contact the writer hereof or M&S Consulting should you require any further information.

Yours faithfully



Nelson Mosiapo
Director



water & sanitation

Department
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Northern Cape Region, Private Bag X6101, Kimberley, 8301, 28 Central Road, Beaconsfield, Kimberley, 8301
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The Manager
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By Email/Registered Mail

Dear Ms T. Jooste

RE: BASIC ASSESSMENT REPORT FOR VARIOUS MINERALS PROSPECTING RIGHT APPLICATION OVER PORTION 3 (A PORTION 1-STOMP OOR A) OF THE FARM STOMP OOR 109, SITUATED IN THE PRIESKA DISTRICT, NORTHERN CAPE.

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1. RECOMMENDATIONS AND DECISION

As mentioned in the report, the Department takes note that the proposed activity at the above mentioned location will include prospecting of copper, zinc, gold, silver, diamond general, diamond alluvial, diamond kimberlite, molybdenum, nickel and platinum group metals. After carefully considering, evaluating and reviewing the submitted Basic Assessment Report the Department has the following comments:

- a) It is apparent that the nature of activities the applicant is proposing to engage in has potential impacts on the environment and water resources, as the area to be prospected has a natural drainage line and a river nearby. It was also found that the prospecting will also take place within a non-perennial stream.
- b) Please note that the Department (National Water Act, No.36 of 1998) rates all perennial and non-perennial streams together with all dry river beds and natural drainage, wetlands and associated riparian areas extremely sensitive to development.



NATIONAL DEVELOPMENT PLAN
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RE: BASIC ASSESSMENT REPORT FOR VARIOUS MINERAL PROSPECTING RIGHT APPLICATION OVER PORTION 3 (A PORTION 1-STOMP OOR A) OF THE FARM STOMP OOR 109, SITUATED IN THE PRIESKA DISTRICT, NORTHERN CAPE.

- c) No activity may occur within the 1:100 year flood line of a river/drainage lines (perennial/non-perennial river) and 500 m of a pan/wetland without authorisation from this Department;
- d) The wetlands should have a buffer zone of 500m not 100m as mentioned on the report. Reference to Figure 2-Conceptual Site Layout Plan, the percussion boreholes could be within the 500m buffer zone which triggers Section 21(c) and (i) water uses.
- e) Should any proposed activities take place within the Regulated Area of a watercourse, a Risk Matrix has to be conducted by Aquatic/Wetland and/or Freshwater specialist (must be a suitably qualified professional SACNASP member) and submit to the Department in order to determine the impacts of the proposed activities on the watercourse. This information will assist the Department to decide on the type of water use authorisation requirements for the proposed activities.
- f) This activity could trigger Section 21 (c) and (i) water uses in terms of the National Water Act (Act No.36 of 1998).
- g) Should the Risk Matrix Assessment indicate high/ medium risk then an Aquatic Specialist must conduct and compile Aquatic or Fresh water Assessment Report with corresponding mitigation recommendations.
- h) With reference to comments on your letter dated 30 July 2018; which states that: No pans/wetland (perennial/non-perennial) occurs on the area under application". The Department wishes to remind you that ; According to the National Water Act, 1998 (Act No.36 of 1998), Chapter 1 Section (1) (xxiv) (b) a watercourse is defined as , "a natural channel in which water flows regularly or intermittently"
- i) According to appendix B, Table 2: Groundwater abstraction rates, WMA 6: Orange Quaternary catchment D54G is excluded from the General Authorisation and the water use must be applied for as a Water Use License Authorisation (WULA) regardless of the volume to be used for the proposed activities.
- j) The disposal of general waste and that of hazardous waste must be carried out in an environmentally safe manner so as to prevent and/or minimize the potential for pollution of water resources and collection of which should be done by an accredited waste collector. All applicable Sections of the National Environmental Management: Waste Act (No. 59 of 2008) should be strictly adhered to;
- k) Section 19 & 20 of the National Water Act, 1998 (Act No.36 of 1998) should be adhered to;

This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.

This office reserves the right to revise initial comments and request additional information that may arise from correspondence and/or upon inspection.

RE: BASIC ASSESSMENT REPORT FOR VARIOUS MINERAL PROSPECTING RIGHT APPLICATION OVER PORTION 3 (A PORTION 1-STOMP OOR A) OF THE FARM STOMP OOR 109, SITUATED IN THE PRIESKA DISTRICT, NORTHERN CAPE.

You may contact the Department should you have any enquiries.

Yours sincerely



DIRECTOR: INSTITUTIONAL ESTABLISHMENT

DATE: 10/09/2018

Wilna Posthumus

From: Hennie [ms.consulting@vodamail.co.za]
Sent: Monday, September 17, 2018 2:58 PM
To: 'Ramugondo Vhonani'
Cc: 'Bêrend van Deventer'; 'Hano Hamman'; 'nelsonmosiapoa@yahoo.com'
Subject: RE: Allidabix BAR Comments
Attachments: 2018 09 17 Alidabix letter to DWS - response to DWS letter 10 Sept 2018.pdf; Annexure A - Letter from DWS - 2018 09 10.pdf; Annexure B - 1 to 50 000 topo map.pdf; Annexure C - DWS Rivers - 1 to 500 000.pdf; Annexure D - NFEPA map.pdf

Good afternoon,


Find attached hereto our client's response to your letter dated 10 September 2018.

Kind regards
Tanja Jooste

From: Ramugondo Vhonani [mailto:RamugondoV@dws.gov.za]
Sent: Monday, September 10, 2018 10:05 AM
To: ms.consulting@vodamail.co.za
Subject: Allidabix BAR Comments

Good Day

Kindly find the attached for your attention

Kind regards 

*Vhonani Ramugondo
Environmental Officer
Department of water and Sanitation
Lower Orange proto CMA: Northern cape Provincial Operations
28 Central Road, beaconsfield
Email: ramugondov@dws.gov.za
Tel: 053 836 7699 / 0787598969*

" Develop success from failures. Discouragement and failure are two of the surest stepping stones to success. Dale Carnegie"

ALIDABIX PROPRIETARY LIMITED

REG. NO. 2017/471777/07

Tel: +27 53 832 3298 | Fax: +27 53 832 3298 | 94 Central Road, Beaconsfield, Kimberley, 8315

17 September 2018

The Director: Institutional Establishment
Department: Water and Sanitation
Northern Cape Region
Private Bag X6101
Kimberley
8301

Attention: Ms. V Ramugondo

By email: ramugondov@dws.gov.za

Dear Sir / Madam

RE: PROSPECTING RIGHT APPLICATION - NC30/5/1/1/2/12131PR

We refer to your letter dated 10 September 2018, attached hereto (Annexure A) for ease of reference and to which we respond as follows:

1) Background

Alidabix (Pty) Ltd ("**Alidabix**") lodged an application for a prospecting right on the SAMRAD online system under reference number NC 30/5/1/1/2/12131 PR. The application was lodged over Portion 3 (a portion of Portion 1 - Stomp Oor A) of the farm Stomp Oor 109 ("**the Property**"), situated in the administrative district of Prieska, and which application was accepted by the DMR office in Kimberley.

It is important to note that an application was made for a prospecting right and not for a mining right. Prospecting tries to find out whether a mineral occur in an area, and if it does, how much of the mineral occur there, it is not mining. Prospecting means intentionally searching for any mineral by means of any method which has little disturbance to the surface or subsurface of the earth. Prospecting starts with desktop studies that survey the land and gather information with no physical disturbance. The results from this study then allows the company to make an informed decision on planned borehole positions for drilling.

Our prospecting work programme was designed to have the minimal disruption to the landowner and the environment. No processing of materials will take place on site and all sample preparation will take place in laboratories and existing facilities off-site. In addition, no offices, storerooms, accommodation facilities or any other permanent structures will be established on the Property as Alidabix shall make use of facilities in the town of Prieska.

No prospecting activities will take place in any watercourse as defined in the National Water Act, 1998 (Act No. 36 of 1998) ("NWA"). A 100m no-prospecting buffer zone has been placed around all identified natural drainage lines / dry watercourses and episodic river. There are no perennial rivers within in a 60km radius from the Property and no wetlands or pans, as defined in the NWA are located on the Property.

2) Identification of Watercourses on the Property

The following sources was used to identify watercourses, as defined in the NWA, on the Property:

- 1) 1:50 000 topographical map - attached hereto as Annexure B - note the "Dry Water Courses" indicated on the map and the number of "Cultivated Lands" within the "Dry Water Courses" - no pan or wetland was indicated on the map.
- 2) Department Water Affairs, website, South Africa 1:500 000 Rivers - attached hereto as Annexure C the results - the results of the shape files (South Africa 1:500 000) were overlain on the 1:50 000 topographical map - shape files also included the "dam" and "estuaries" shape files on the website - no pan or wetland was indicated on the map - the blue line indicated in the middle of the "Dry Water Course" is indicated as "unknown feature" and was the only feature indicated.
- 3) Data and maps from the National Freshwater Ecosystem Priority Areas project ("NFEPA") - see attached hereto as Annexure D the NFEPA map of the Property area - note that there are no pans or wetlands indicated on the map - the NFEPA river is classified as a NFEPA river 1, river with episodic flow.

From the above, no pans or wetlands are found on the Property. Only episodic drainage lines. The episodic nature of the drainage lines are clearly demonstrated by the occurrence of Cultivated Lands within these drainage lines - regular water flow would have made the cultivation of these fields in the drainage lines impossible.

3) **NWA and Watercourses**

Section 1 of the NWA defines a Watercourse as:

- (a) river or spring;
- (b) natural channel in which water flows regularly or intermittently;
- (c) wetland, lake or dam into which, or from which, water flows; and
- (d) any collection of water which the Minister may, by notice in the Gazette, declare to be a watercourse, and a reference to a watercourse includes, where relevant, its bed and banks.

and a Wetland as:

Land which is transitional between terrestrial and aquatic systems where the water table is usually at or near the surface, or the land is periodically covered with shallow water, and which land in normal circumstances supports or would support vegetation typically adapted to life in saturated soil.

Wetlands must have one or more of the following attributes:

- 1) Wetland (hydromorphic) soils that display characteristics resulting from prolonged saturation
- 2) The presence, at least occasionally, of water loving plants (hydrophytes)
- 3) A high water table that results in saturation at or near the surface, leading to anaerobic conditions developing in the top 50cm of the soil.

As stated in the above paragraph 2 of this letter, there are no pans or wetlands found on the Property. The only Watercourses that are found on the Property are dry watercourses with episodic water flow, which falls under the definition of a "natural channel in which water flows regularly or intermittently".

4) **NWA, Watercourses and buffer zones**

GN R704 in Government Gazette 20199 of 4 June 1999 ("GN R704") issued under section 26(1)(b), (g) and (i) of the NWA, Regulation 4(b) states:

No person in control of a mine or activity may, except in relation to a matter contemplated in regulation 10, carry on any underground or opencast mining, prospecting or any other operation or activity within the 1:50 year flood-line or within a horizontal distance of 100 metres from any watercourse or estuary, whichever is the greatest.

The amended General Authorisation for section 21(c) and (i) water uses was published on the 26 August 2016 as Government Notice R509 ("GN R509"). Regulation 5 of GN R509, Area of applicability of General Authorisation, states:

This General Authorisation applies throughout the Republic of South Africa to the use of water in terms of section 21(c) or (i) of the Act **within the regulated area of a watercourse** as defined in this General Authorisation.

The "**regulated area of a watercourse**" for section 21(c) or (i) of the NWA water uses, in terms of the GN R509 has been defined as:

- (a) The outer edge of the 1 in 100 year flood line and /or delineated riparian habitat, whichever is the greatest distance, measured from the middle of the watercourse of a river, spring, natural channel, lake or dam;
- (b) In the absence of a determined 1 in 100 year flood line or riparian area the area within 100m from the edge of a watercourse where the edge of the watercourse is the first identifiable annual bank fill flood bench (subject to compliance to section 144 of the Act); or
- (c) A 500 m radius from the delineated boundary (extent) of any wetland or pan.

Given the absence of a 1 in 100 year flood line and the absence of a riparian area (water flow in the area is episodic), a 100 meter no-prospecting buffer zone has been placed around the edge of dry watercourses / episodic drainage lines. This is in line with Regulation 4(b) of GN R704 and sufficient to ensure that all prospecting will be done outside any "regulated area of a watercourse" (refer to paragraph (b) of the definition) as defined in GN R509.

No prospecting activities will take place in any Watercourse as defined in section 1 of the NWA or any "regulated area of a watercourse" as defined in GN R509. Therefore, no Water Use License application in terms of section 21(c) or (i) of the NWA is required and no registration is required in terms of GN R509.

Since no prospecting activities will take place in a "regulated area of a watercourse" or in a Watercourse as defined in the NWA, it falls outside the scope of the GN R509, and no Risk Matrix to be conducted by an Aquatic/Wetland/Freshwater specialist is required at this stage.

5) **Water Use License**

Our understanding of the NWA was that, with the removal of "Small Industrial Users" in the amendments made to Schedule 1 of the NWA, the introduction of the revised General Authorisation (GNR 538 of 02 September 2016) catered for the "Small Industrial Users" who has lawful access to the property, albeit at a lower rate of 10m³ per day (regulation 7.2 of GNR 538, registration of a water use is only required if more than 10m³ of water is taken from a groundwater resource per day on average over a year on a property).

As stated in our letter of 30 July 2018, Alidabix's water requirement for core drilling during phases 6 and 8 of the Prospecting Work Programme ("PWP") will be 5 000 - 8 000 litres of water per day when the core drill rig is operational. In the event that water is not available on the Property under the GNR 538, without the requirement to register, Alidabix will:

- 1) source the water required for the prospecting activities from a legal source in the area or bring the water required in via a mobile water tanker; and /or
- 2) substitute the core drilling (phases 6 & 8 of the PWP) with reverse circulation drilling (RC Drilling), which does not use water.

In the event that a and/or b above is implemented, Alidabix will not be engaging in a Water Use activity in terms of the NWA, and will therefore not be required to apply for a Water Use License.

6) **Waste**

The disposal of general waste will be carried out in an environmentally safe way as to prevent and/or minimise the potential for pollution. All applicable sections of the National Environmental Management: Waste Act 59 of 2008 will be strictly adhered to. Please refer to section (m) of the Basic Assessment Report ("BAR"), page 51 (Groundwater) and page 53 (Surface Water and Visual). Waste will be disposed of at a registered landfill site.

As part of the BAR process and the Environmental Management Programme Report, risks for hydrocarbon (oil, grease fuel etc.) spills have been indentified and the necessary mitigation measures to be applied to avoid the risk of hydrocarbon spills have been formulated - see section (viii) of the BAR page 44 (Groundwater, Soil and Surface water sections), section (j) of the BAR page 46, section (m) of the BAR page 51 (Groundwater), and Part B, pages 63-69 section (d)(iv), (e) & (f).

7) **Section 19 & 20 of the NWA**

Sections 19 & 20 of the NWA will at all times be adhered to.

We trust you find the above in order. Kindly contact the writer hereof for further information or enquiries

Yours faithfully

A handwritten signature in black ink, appearing to read 'Nelson Mosiapoa', with a stylized flourish at the end.

Nelson Mosiapoa
Director



water & sanitation

Department
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

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1. RECOMMENDATIONS AND DECISION

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- k) Section 19 & 20 of the National Water Act, 1998 (Act No.36 of 1998) should be adhered to;

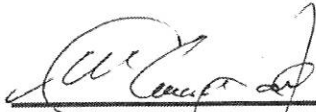
This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.

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Yours sincerely



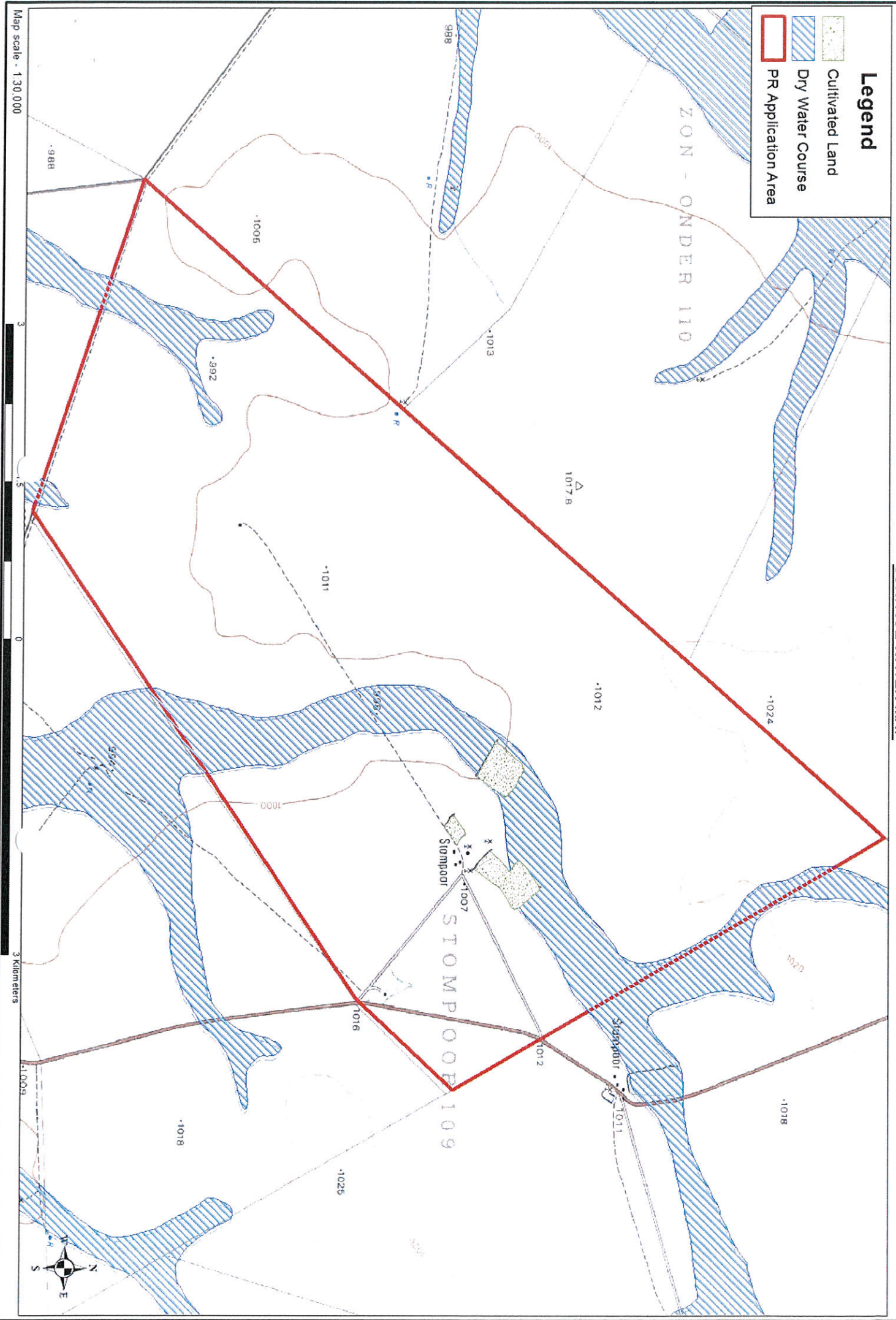
DIRECTOR: INSTITUTIONAL ESTABLISHMENT

DATE: 10/09/2018

SURFACE WATER MAP

Legend

-  Cultivated Land
-  Dry Water Course
-  PR Application Area



SURFACE WATER MAP

Legend

- Core Borehole (2nd Phase Drilling)
- wrall500
- Core Borehole (3rd Phase Drilling)
- Percussion Borehole (1st Phase Drilling)
- PR Application Area

Identify

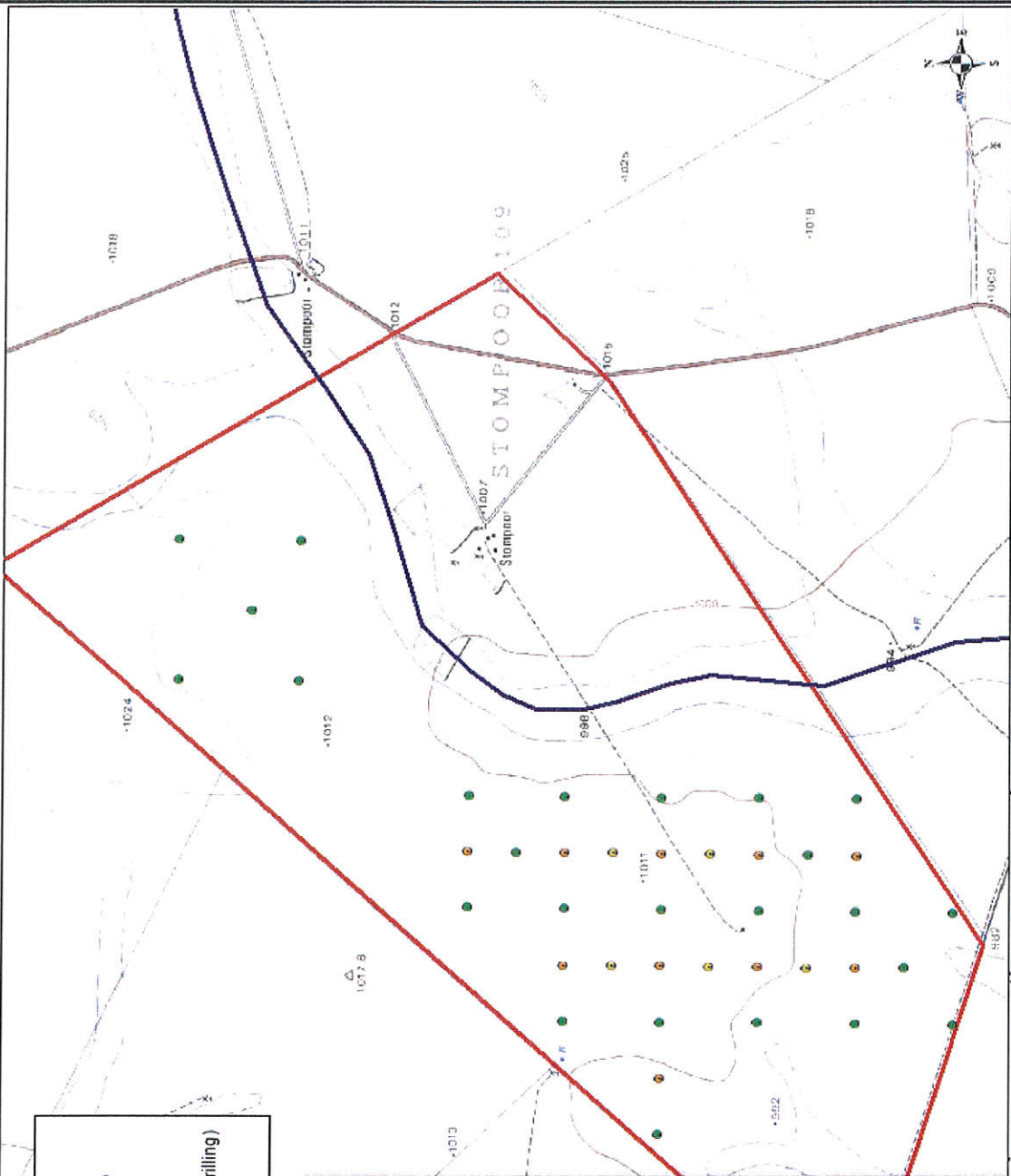
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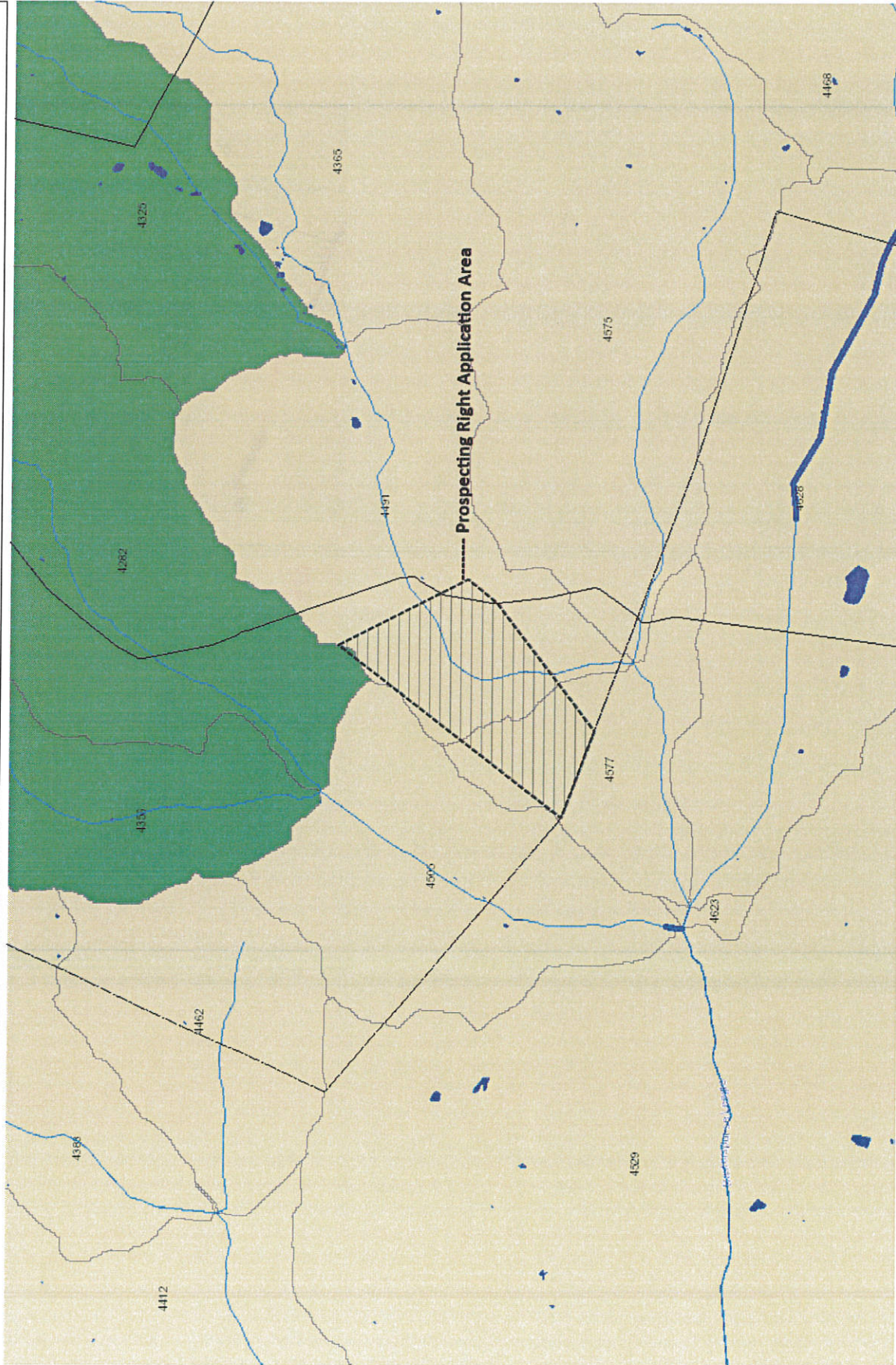
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RPOLY_	0
LENGTH	0.168192
TMPRIV_	2627
TMPRIV_ID	2627
NAME	
ALIAS	Unknown
CLASS	
PRIMARY	D
END	N
REACHCODE	D54G140000
SORTER	D00096532
LENGTH_KM	17.2222

Identified 1 feature





7.3 0 3.67 7.3 Kilometers

WGS_1984_Web_Mercator_Auxiliary_Sphere
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THIS MAP IS NOT TO BE USED FOR NAVIGATION

Description

National Wetlands and NFEPA map

Legend

- Local municipalities
- Secondary roads
 - ARTERIAL ROUTE
 - MAIN ROAD
 - SECONDARY ROAD
- Rivers
- Water management areas
- Sub water management areas
- Fish points
 - Fish sanctuary: CREN fish
 - Fish sanctuary: other fish
- Wetland cluster
- NFEPA rivers
 - 1
 - 5
 - 10
- National wetlands map 4 (NFEPA wetland m
- National wetlands map 4 (NFEPA wetland m
- Estuaries
- Wetland NFEPA wetlands map
- Wetland and estuary FEPA
- River FEPA's
- River FEPA and associated sub-quaternary catchment
- Fish Support Area and associated sub-quaternary catc
- Phase 2 FEPA and associated sub-quaternary catchm
- Upstream management area

1: 144 448

