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PROPOSED PHOSPHATE ORE PROSPECTING RIGHT ON VARIOUS FARMS ALONG THE WEST COAST OF SOUTH AFRICA.

DMR SAMRAD REFERENCE: WC30/5/1/1/2/10403PR

EXECUTIVE SUMMARY

The Applicant, Colt Resources (Pty) Ltd has appointed Exigent Environmental to conduct the Environmental Authorisation process for the proposed prospecting application. The competent authority responsible for the consideration of this proposal is the DepaColt Resourcesnt of Minerals Resources. This application has been undertaken in terms of the Environmental Impact Assessment (EIA) Regulations published in terms of Government Notice Regulation (GNR) No. 326 of 7 April 2017 under Section 24(5) and 44 of the National Environmental Management Act (NEMA) (Act 107 of 1998), as amended, with the intent to carry out the EIA Process (in terms of Listing Notice 1 – GNR 327 and Listing Notice 3 – GNR 324) for the listed activities 20, 22 of GNR 327 and for the listed activities 12 of GNR 324. The Basic Assessment Report has been compiled in accordance with the requirements of the NEMA in particular, GNR 326 as published on 7 April 2017 (as amended), which outlines the requirements of the Environmental Impact Assessment Process. The information contained in this Basic Assessment Report provides a comprehensive description of the need and desirability of the proposed prospecting application, specifically relating to sustainability in the economic, social and environmental spheres.

The following specialist studies and assessments were undertaken:

- Heritage Impact Assessment;
- Ecological and Wetland Delineation Assessment; and
- Water Resource Assessment.

The sensitivity of the proposed project has been assessed by the respective specialist studies as well as review of available data and consultation with stakeholders and Interested and Affected Parties (I&APs). For the purpose of this BAR, the sensitivities in terms of the vegetation, wetland, heritage and hydrology have been taken into consideration. The recommendations and conditions from the specialist studies has been included in the Environmental Management Programme (EMPr) and must be incorporated into all decision-making and design processes.

The following mitigation measures are proposed for the proposed prospecting application:

- The High significance areas are those classified as CBA, PA NPAES, NFEPA and the 1km coastline areas. Recommendations have been made that after the initial airborne geophysical survey has been completed and target areas for drilling defined
- The wetlands with 500 m buffers and rivers and their respective 100m buffer have been considered high sensitivity which should not be impacted during prospecting. All prospecting activities should remain outside these areas.

- A 100m buffer to be placed around sensitive areas as identified in the Heritage Impact Assessment (HIA).
- Should any potential areas of significance be identified by a suitably qualified archaeologist and palaeontologist after the initial airborne geophysical survey has been completed and target areas for drilling defined these areas will be excluded from future drilling grid layout.
- All drilling results must include the occurrence of marine shell (depth below surface and depth of deposit) to assist the location of subsurface shell middens.

The Environmental Assessment Practitioner is of the opinion that due process has been followed during the undertaking of this Environmental Assessment process and associated public participation process to date and to be held during the draft BAR review period. An EMPr has been compiled and must be implemented throughout all phases of the proposed project.

The alternatives assessment of the project and study area is based on feasible project alternatives, in terms of allocated farms, geology, environmental sensitive areas and land use constraints such as servitudes. The activity alternatives included the options of utilising the full extent of the allocated farms, however these options would impact on the areas identified as sensitive and of importance, such as wetland and river areas, as well as servitudes, heritage areas and all related buffers.

The Environmental Assessment Practitioner is of the opinion that the proposed preferred alternatives presented in this report are deemed as the environmentally preferred alternatives due to the exclusion of sensitive and potential sensitive habitat and areas and their related buffers.

Please do not hesitate to contact us should any further information or clarification be required.

Yours sincerely,



Jacolette Adam

Pr. Sci. Nat.

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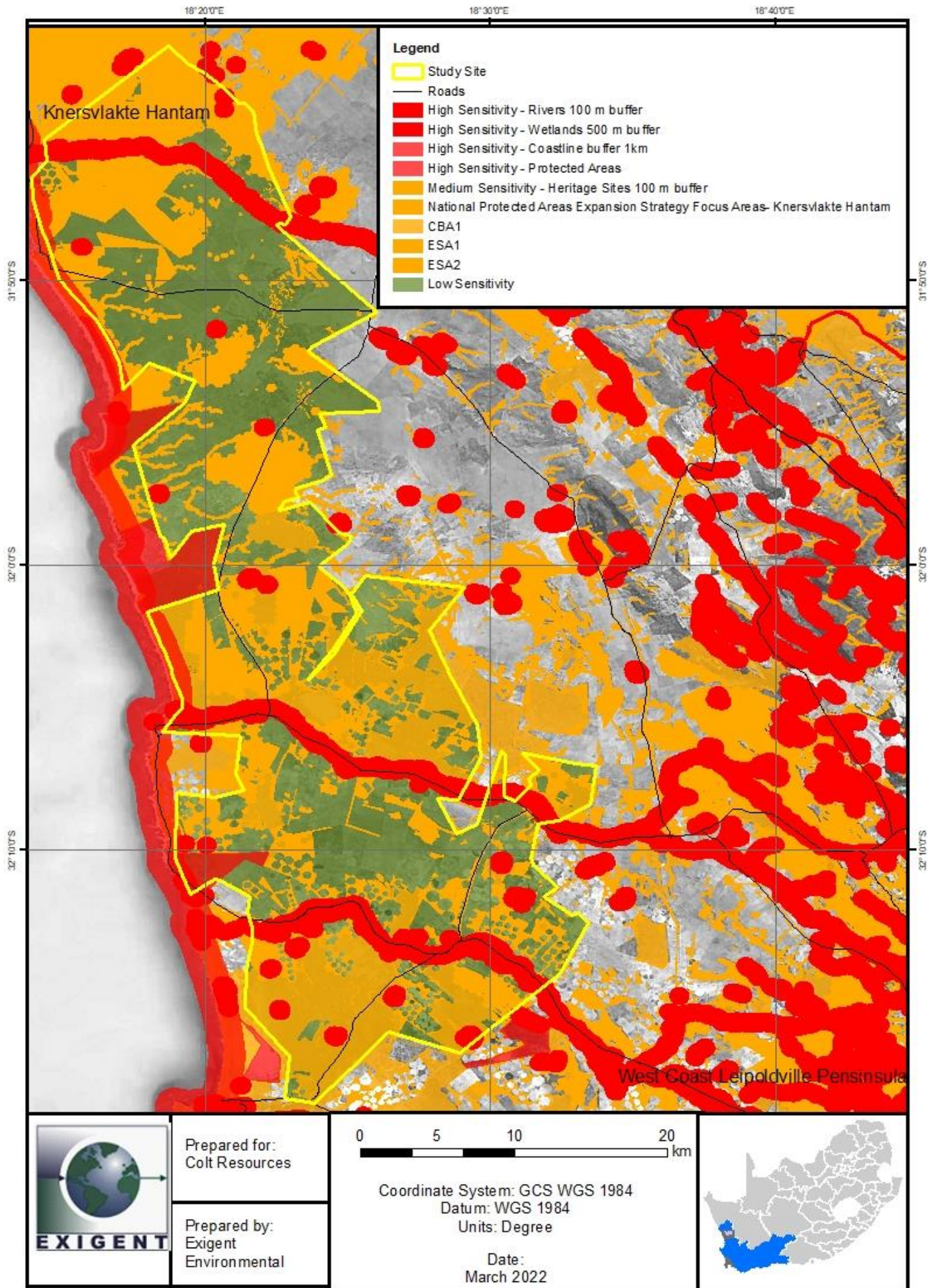


Figure 1 Composite plan indicating no-go areas