
Appendix A: Maps



Environmental Management Group (Pty) Ltd

Specialists in Environmental Management Integrating Industry and Infrastructure with the Environment

The specialist assessments were conducted on the development layout as initially identified which included a paved section in Tsineng. Subsequently it was identified that this section will not be refurbished as part of this development. Therefore, the entire road section is identified in maps pertaining to the specialist findings, however omitted as part of the locality and layout maps.

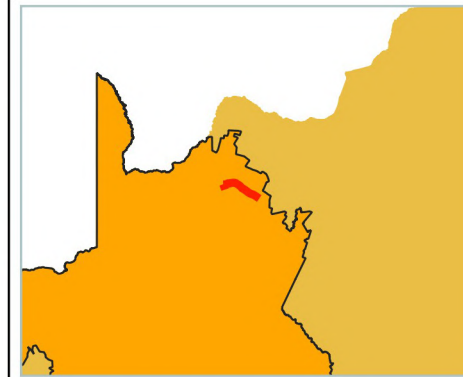
Due to the scale of the activity (100km linear activity), maps have been subdivided to represent the entirety of the road proposed to be upgraded. As per the application instructions the sensitivity map should contain:

-  watercourses;
-  the 1:100 year flood line (where available or where it is required by DWS);
-  ridges;
-  cultural and historical features;
-  areas with indigenous vegetation (even if it is degraded or infested with alien species); and
-  critical biodiversity areas.

In order to incorporate all of the sensitivities, the sensitivity map has been subdivided into a:

-  Aquatic maps
-  Vegetation maps
-  CBA maps
-  Heritage Sensitivity Map (No heritage sensitivities archaeological or palaeontological were identified in close proximity to the proposed development- See appendix D, however historically identified heritage features and palaeontological sensitivities of the area are indicated).

Locality Map of the D3342 Proposed to be Upgraded



Development

— Road-D3342

Aquatic

— Rivers (NBA2018)

Landmarks

— Roads

— Cities and Towns

Locality

— Northern Cape

— South Africa

Co-ordinates (Centre Point):

27° 11' 1" S, 23° 23' 27" E

Eastern Point:

27° 21' 58" S, 23° 43' 58" E

Western Point:

27° 8' 46" S, 22° 58' 47" E



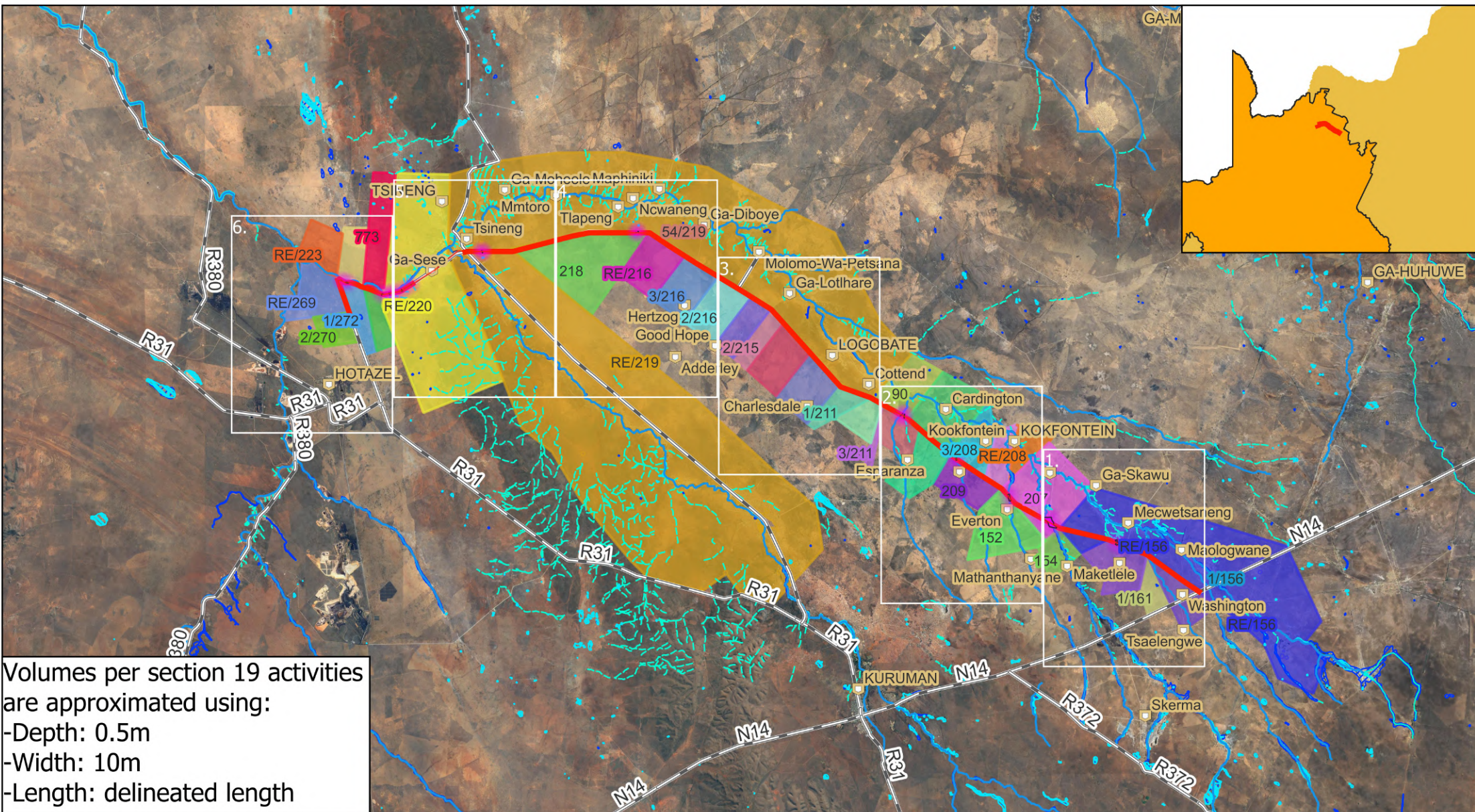
Drawn by
Ivan Victor Coertze

Scale: 1: 500 000

0 5 10 15 km



Layout Map of the Road Proposed to be Upgraded with Sensitivities



Scale: 1: 500 000

0 5 10 15 km



Development

- Road- D3342
- 34m Servitude

Landmarks

- Roads
- Cities and Towns

Aquatic

- NBA2018- Rivers
- NFEPA- Rivers
- DWS Rivers 50K

NBA2018 Wetlands

- NFEPA Wetlands
- 32m Buffer from Watercourses
- Watercourses crossed

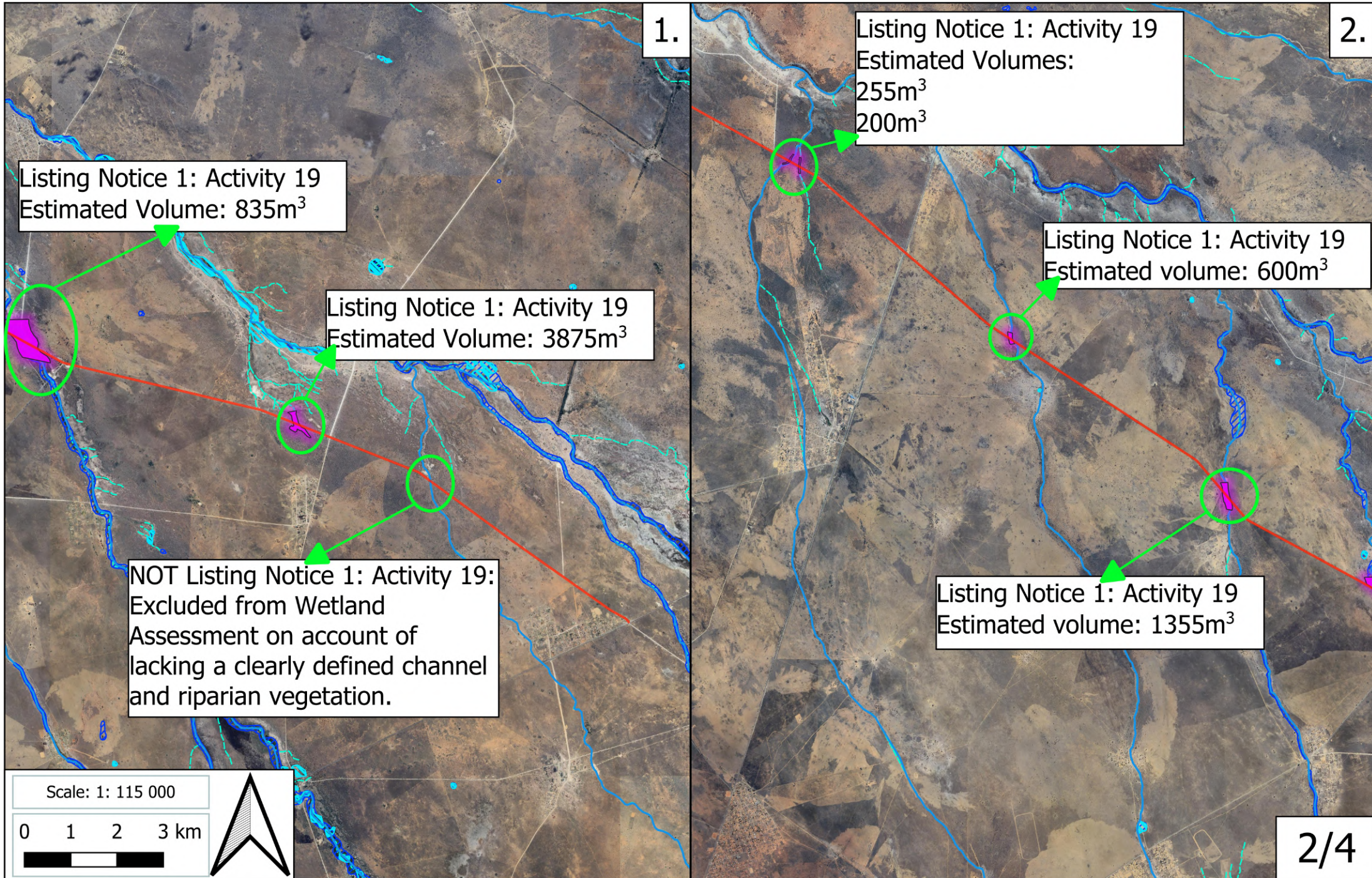
Locality

- Northern Cape
- South Africa

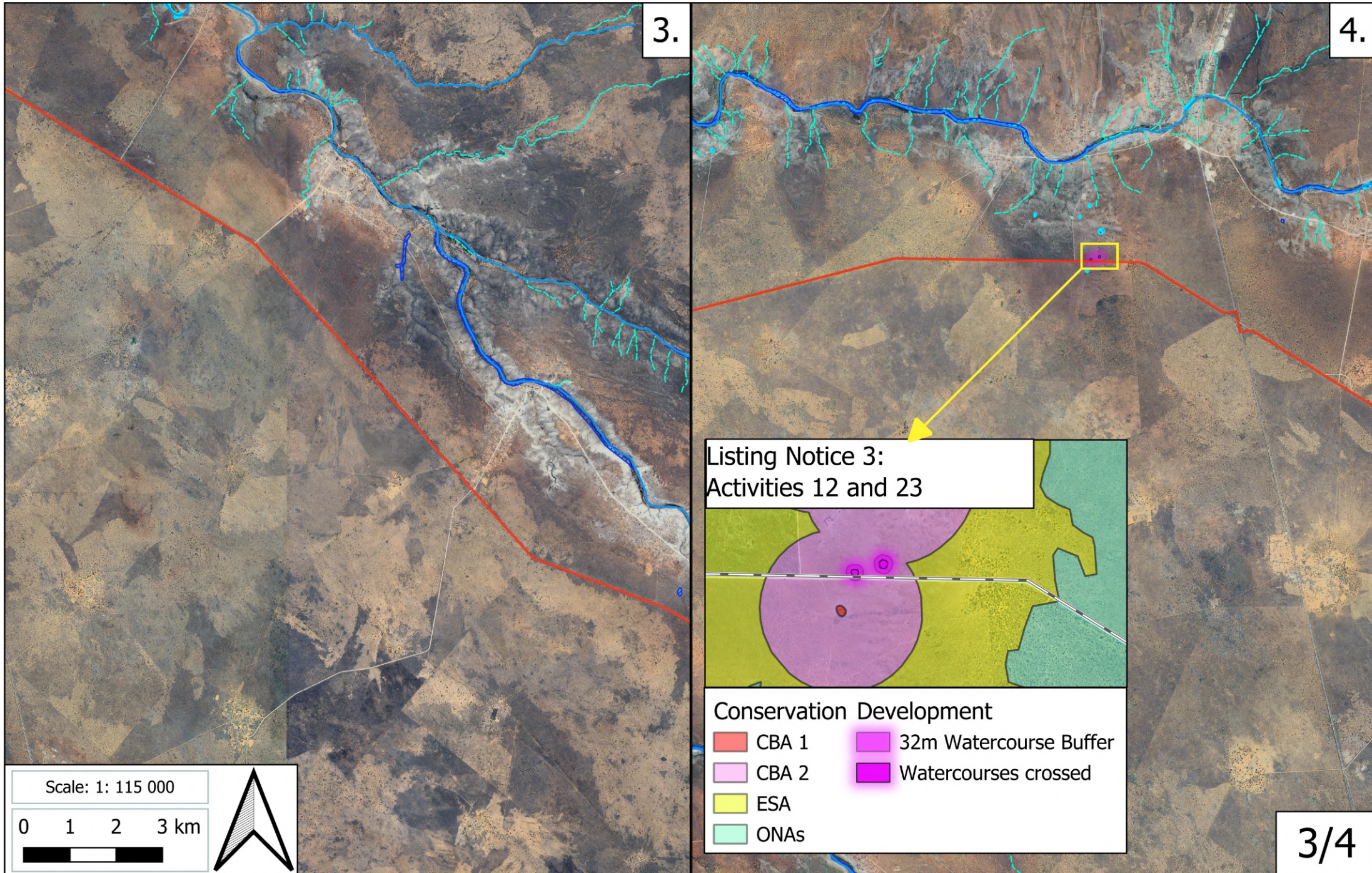


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Ivan Victor
Coertze

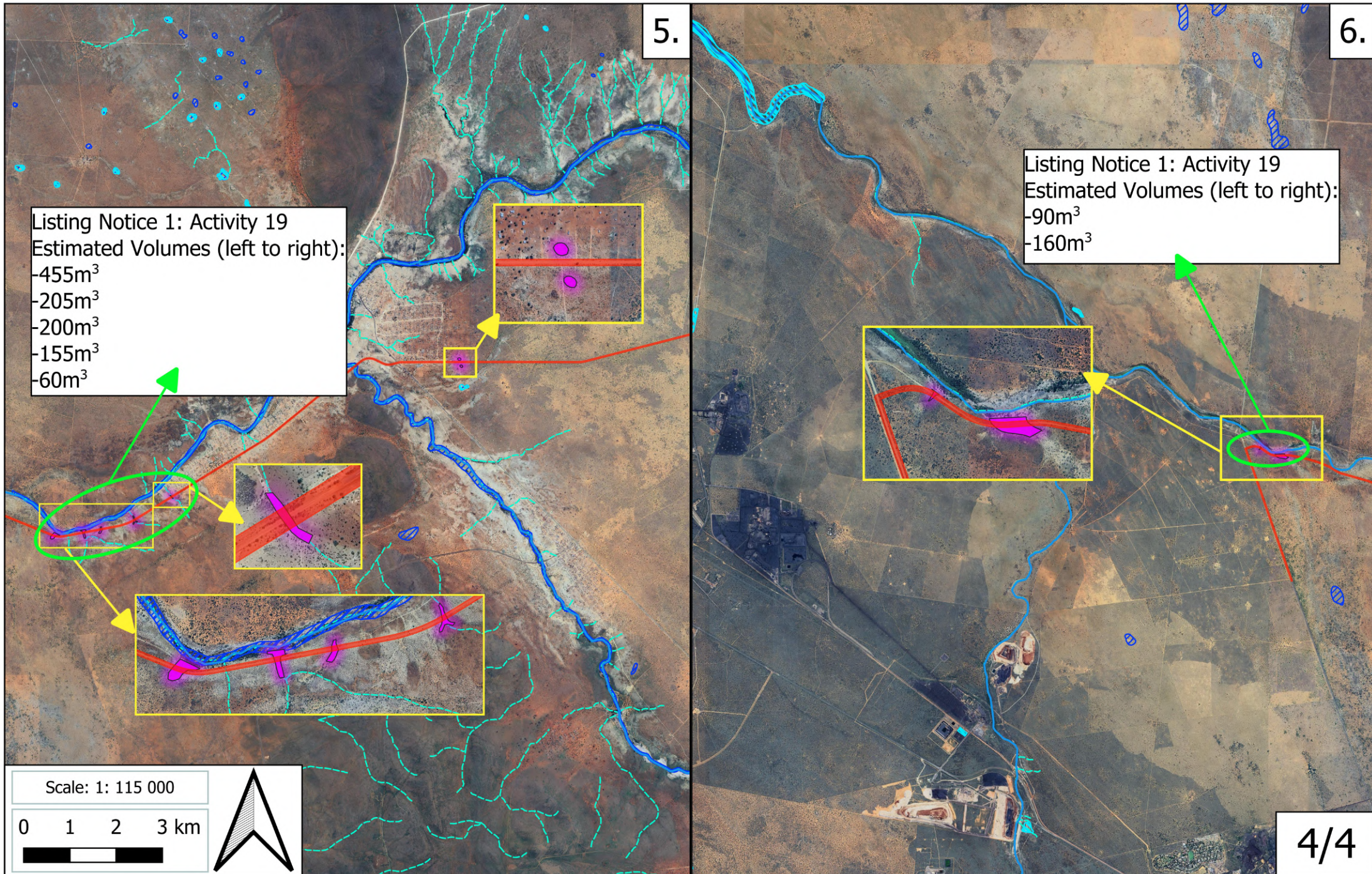
Layout Map of the Road Proposed to be Upgraded With Sensitivities



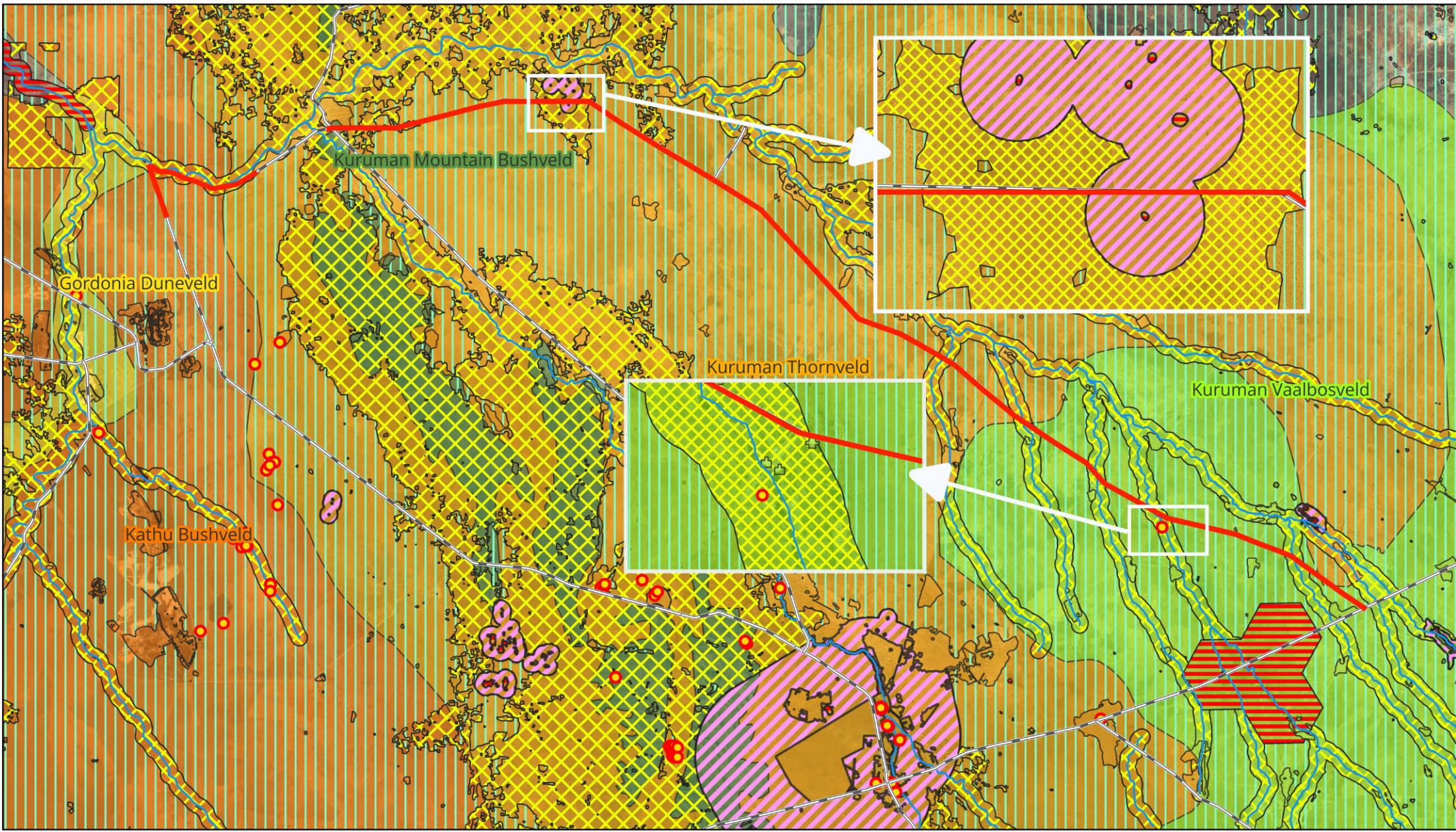
Layout Map of the Road Proposed to be Upgraded With Sensitivities



Layout Map of the Road Proposed to be Upgraded With Sensitivities



Map of Superimposed Sensitivities in Close Proximity to the Proposed Development



Scale: 1: 350 000

0 3 6 9 km



Development

— Road- D3342

Heritage

● Heritage Sites

Locality

Local Municipality

District Municipality

Provincial

Northern Cape Bioregional Plan

Critical Biodiversity Area One

Critical Biodiversity Area Two

Ecological Support Area

Other Natural Areas

Landmarks

— Roads

Aquatic

— Rivers- (NFEPA)



Drawn by:
Ivan Victor
Coertze