



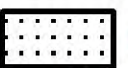


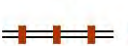





APPENDIX B: MAPS

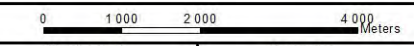
MAP 1: REGIONAL LOCALITY MAP

Orion Exploration
No. 5 – Prospecting Right

Legend

-  Powerline
-  Farm Boundaries
- PROSPECTING RIGHTS APPLICATION**
-  Prospecting Right Boundary
- OPERATING & PROPOSED DEVELOPMENTS**
-  Operating
-  Proposed
- ROAD NETWORK**
-  Main Road
-  Secondary Road
-  Railway line
- RIVERS & STREAMS**
-  Perennial River
-  Non-Perennial River
-  Wetlands

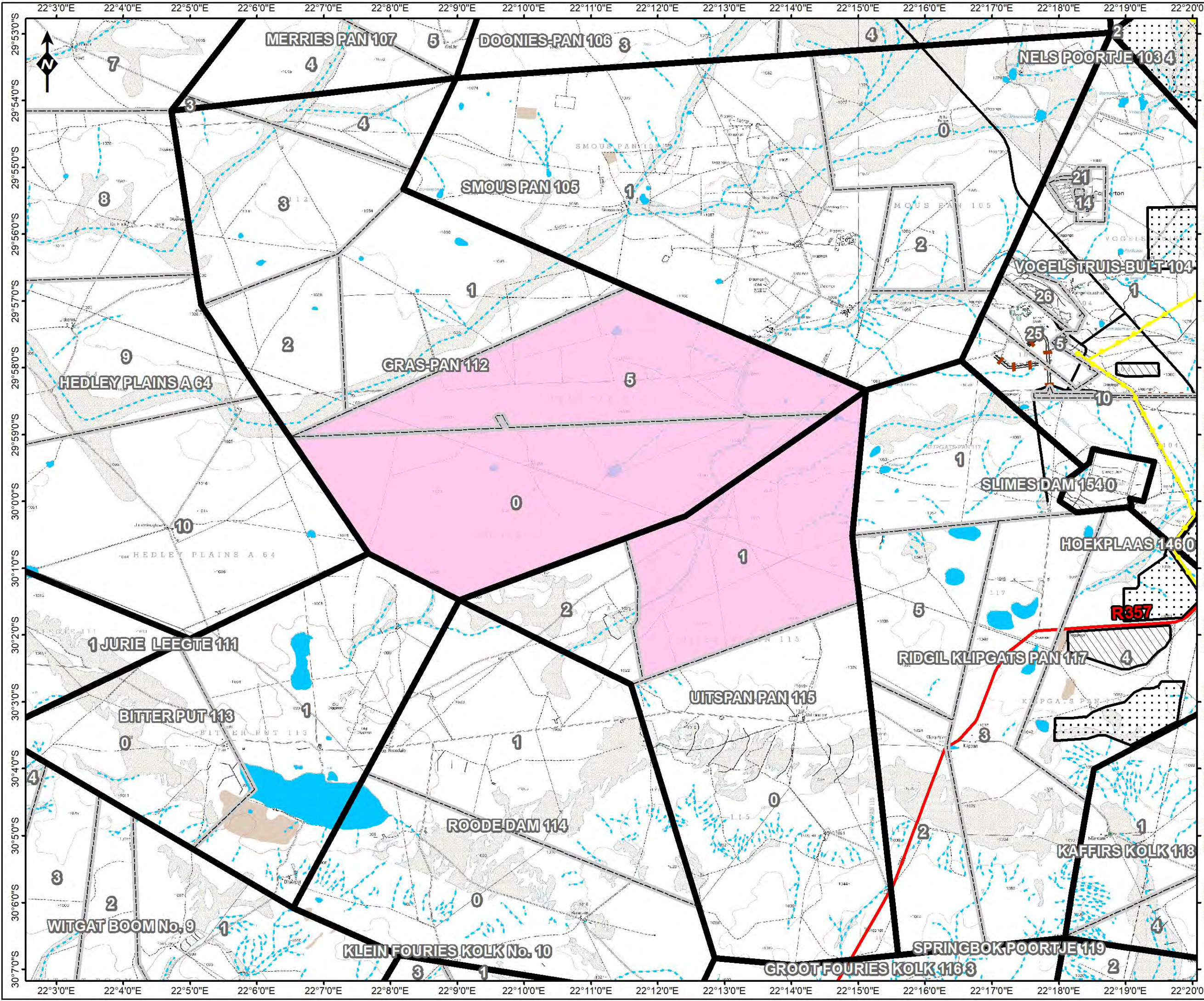
LOCALITY



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Coordinate System: GCS WGS 1984
Datum: WGS 1984















	Scale: 1:96 326
	Version: Final
	Date: 2019/01/08



MAP 2: SENSITIVITY

Orion Exploration No. 5 – Prospecting Right

Legend

-  500m C&I Buffer
-  100m Roads Buffer
-  500m Operating Solar Facility Buffer
-  Farm Boundaries
- PROSPECTING RIGHTS APPLICATION**
-  Prospecting Right Boundary
- CRITICAL BIODIVERSITY ASSESSMENT**
-  Critical Biodiversity Area One
-  Critical Biodiversity Area Two
-  Ecological Support Area
-  Other Natural Areas
-  Protected Area
- OPERATING SOLAR FACILITY**
-  Operating
- RIVERS & STREAMS**
-  Non-Perennial River
-  100m GN704 Buffer
-  Wetlands

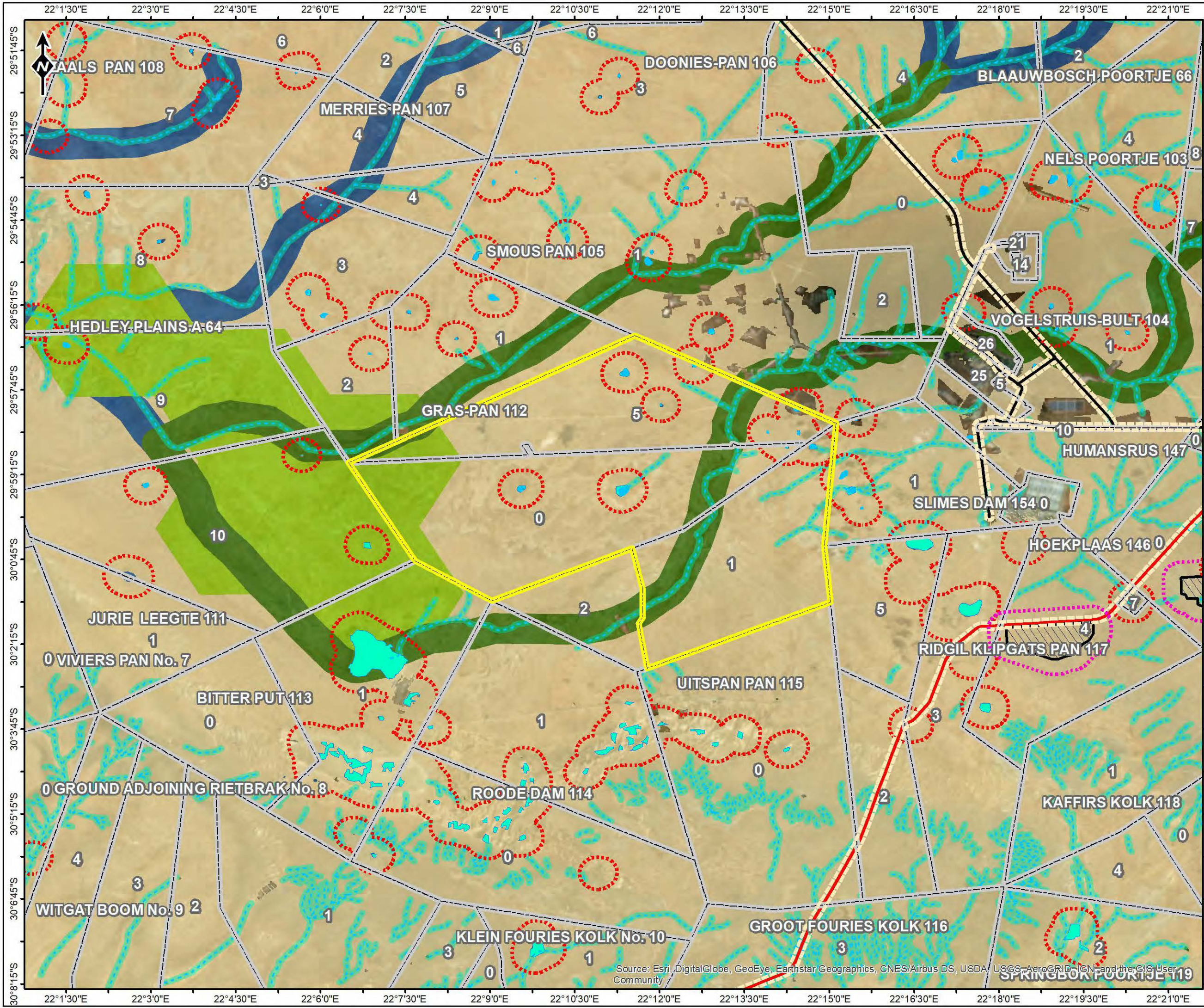
Sensitivity Map

0 875 1750 3500 Meters

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Coordinate System: GCS WGS 1984
Datum: WGS 1984

	Scale: 1:114 576
	Version: Final
	Date: 2018/11/29



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

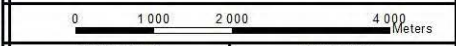
MAP 3: CRITICAL BIODIVERSITY AND ECOLOGICAL SUPPORT AREAS

Orion Exploration No. 5 – Prospecting Right

Legend

-  Powerline
-  Farm Boundaries
- PROSPECTING RIGHTS**
-  Prospecting Right Boundary
- CRITICAL BIODIVERSITY ASSESSMENT**
-  Critical Biodiversity Area One
-  Critical Biodiversity Area Two
-  Ecological Support Area
-  Other Natural Areas
-  Protected Area
- ROAD NETWORK**
-  Main Road
-  Secondary Road
-  Railway line
- RIVERS & STREAMS**
-  Non-Perennial River

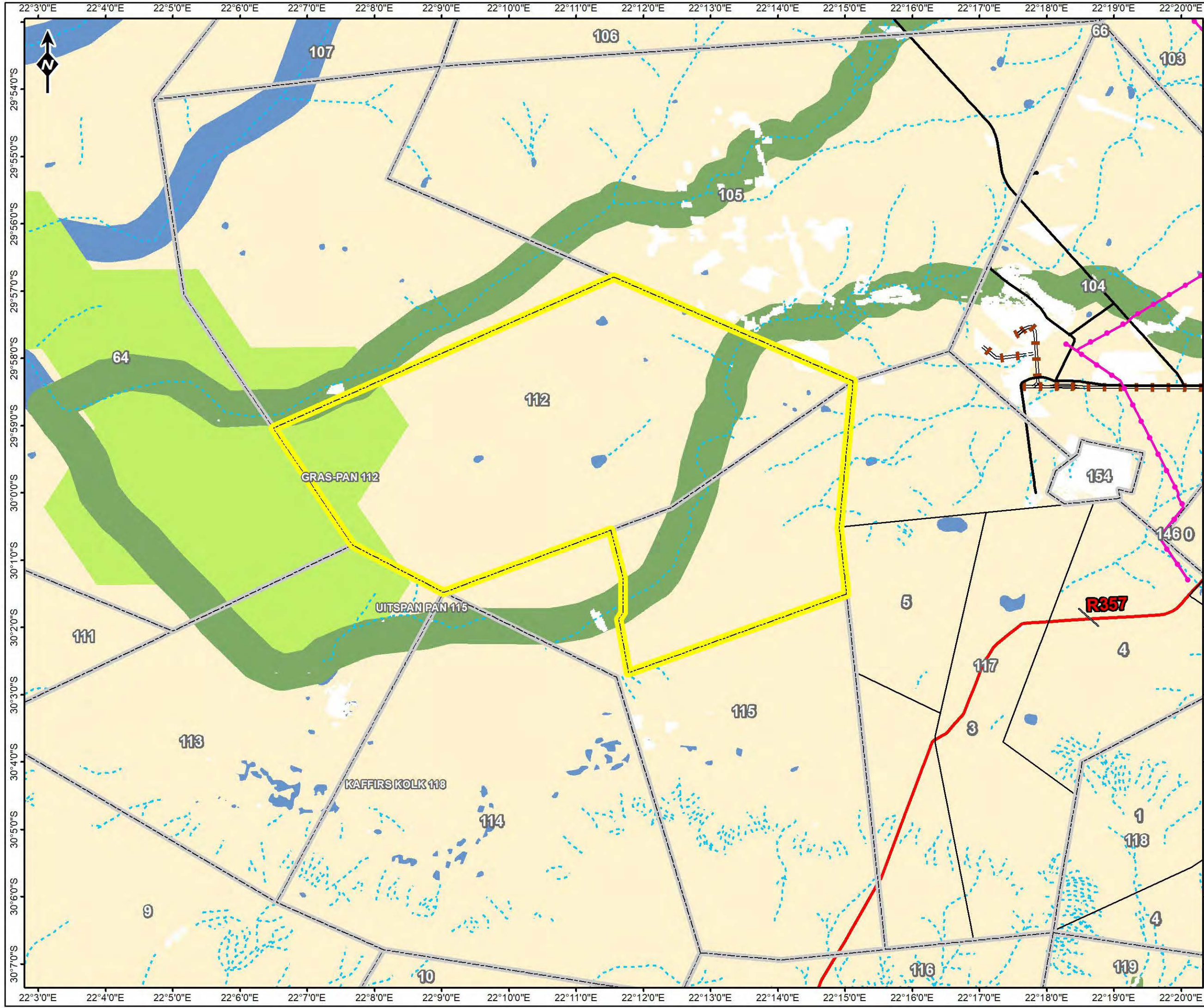
NC CRITICAL BIODIVERSITY AREAS



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Coordinate System: GCS WGS 1984
Datum: WGS 1984

	Scale: 1:96 326
	Version: Final
	Date: 2018/12/14

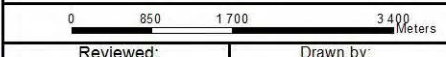


Orion Exploration No. 5 – Prospecting Right

Legend

- Powerline
- Farm Boundaries
- PROSPECTING RIGHTS APPLICATION**
- Prospecting Right Boundary
- CRITICAL ECOSYSTEM TYPE**
- Least threatened (Bushmanland Basin Shrubland, Vloere, and Arid Grassland)
- ROAD NETWORK**
- Main Road
- Secondary Road
- Railway line
- RIVERS & STREAMS**
- Non-Perennial River

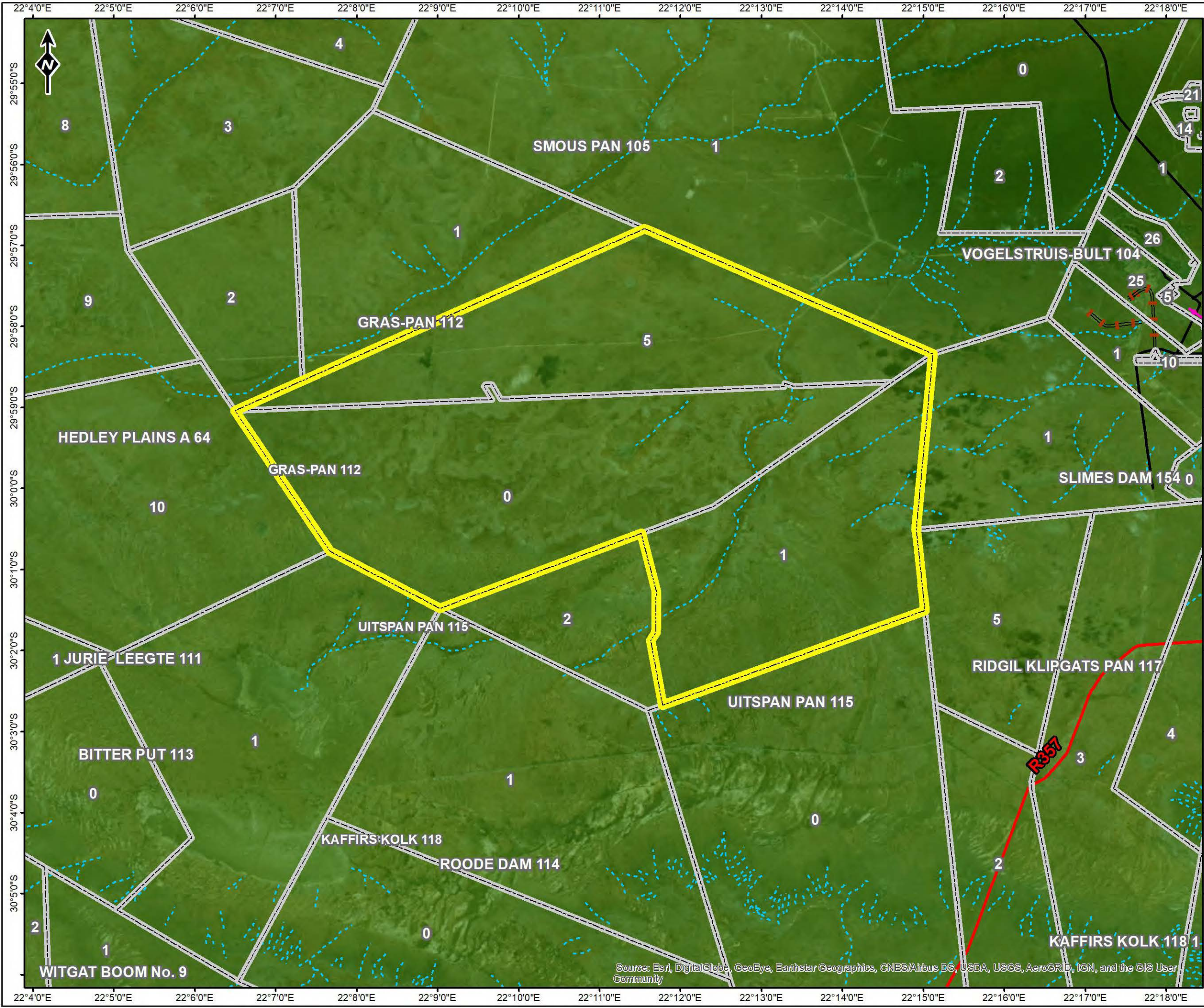
CRITICAL ECOSYSTEM TYPE



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Coordinate System: GCS WGS 1984
Datum: WGS 1984

	Scale: 1:80 000
	Version: Final
	Date: 2018/12/14

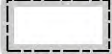




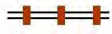



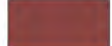




Source: Esri, Digital Globe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

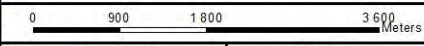
MAP 4: CURRENT LANDUSES

Orion Exploration
No. 5 – Prospecting Right

Legend

-  Farm Boundaries
- PROSPECTING RIGHT BOUNDARY**
-  Prospecting Right Boundary
- ROAD NETWORK**
-  Main Road
-  Secondary Road
-  Other Access
-  Railway line
- RIVERS & STREAMS**
-  Perennial River
-  Non-Perennial River
-  Wetlands
- LANDUSE**
-  Bare none vegetated
-  Grassland
-  Low shrubland
-  Woodland/Open bush

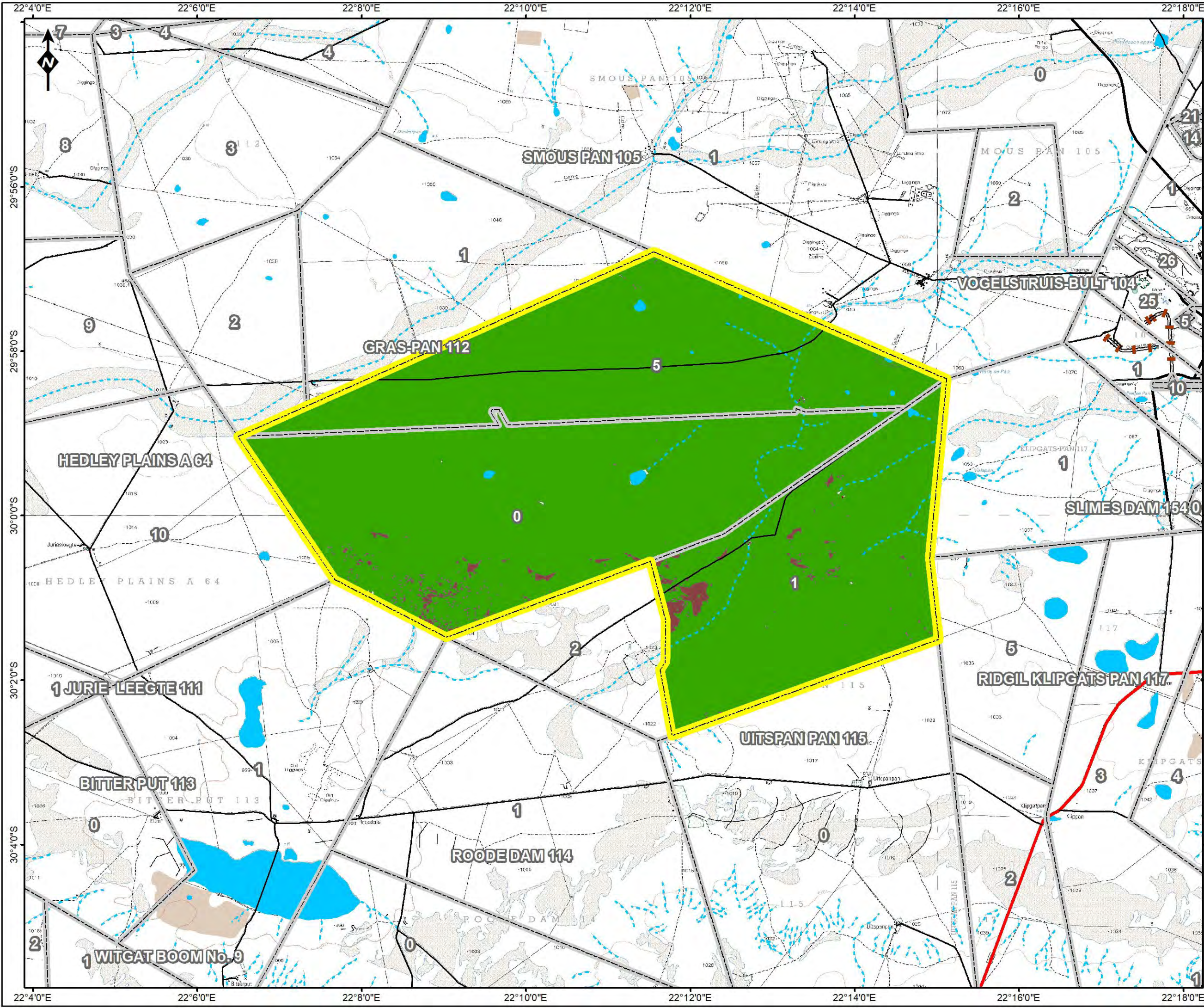
LANDUSE



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Coordinate System: GCS WGS 1984
Datum: WGS 1984






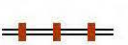



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	Date: 2019/01/08



MAP 5: SOILS

Orion Exploration
No. 5 – Prospecting Right

Legend

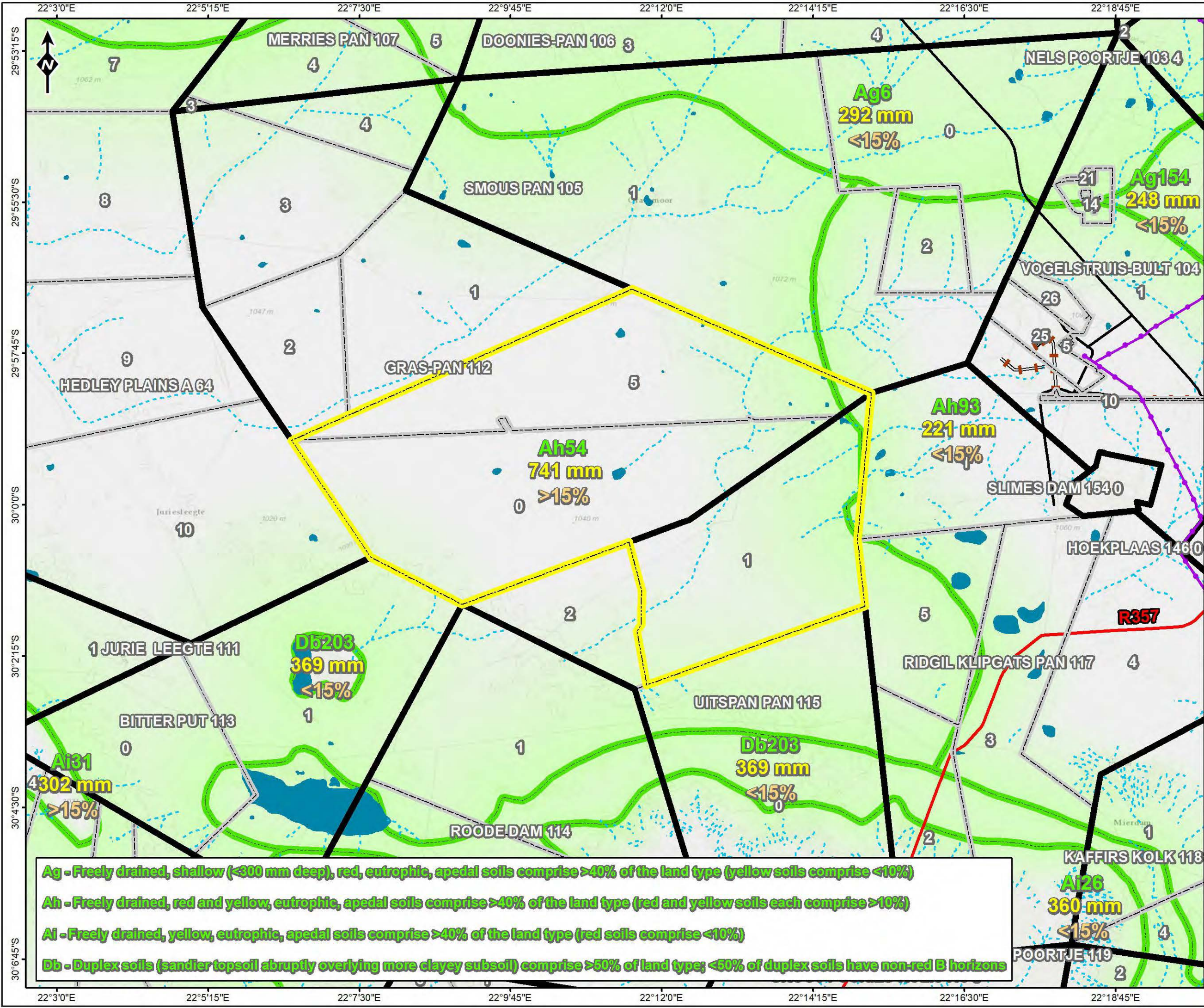
-  Powerline
-  Farm Boundaries
- PROSPECTING RIGHTS APPLICATION**
-  Prospecting Right Boundary
- ROAD NETWORK**
-  Main Road
-  Secondary Road
-  Railway line
- RIVERS & STREAMS**
-  Perennial River
-  Non-Perennial River
-  Wetlands
- SOIL CHARACTERISTICS**
- Avg Soil Depth**
- Clay % Top Soils**

SOILS

0 1000 2000 4000 Meters

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Coordinate System: GCS WGS 1984 Datum: WGS 1984	

Scale: 1:96 326
Version: Final
Date: 2018/12/19



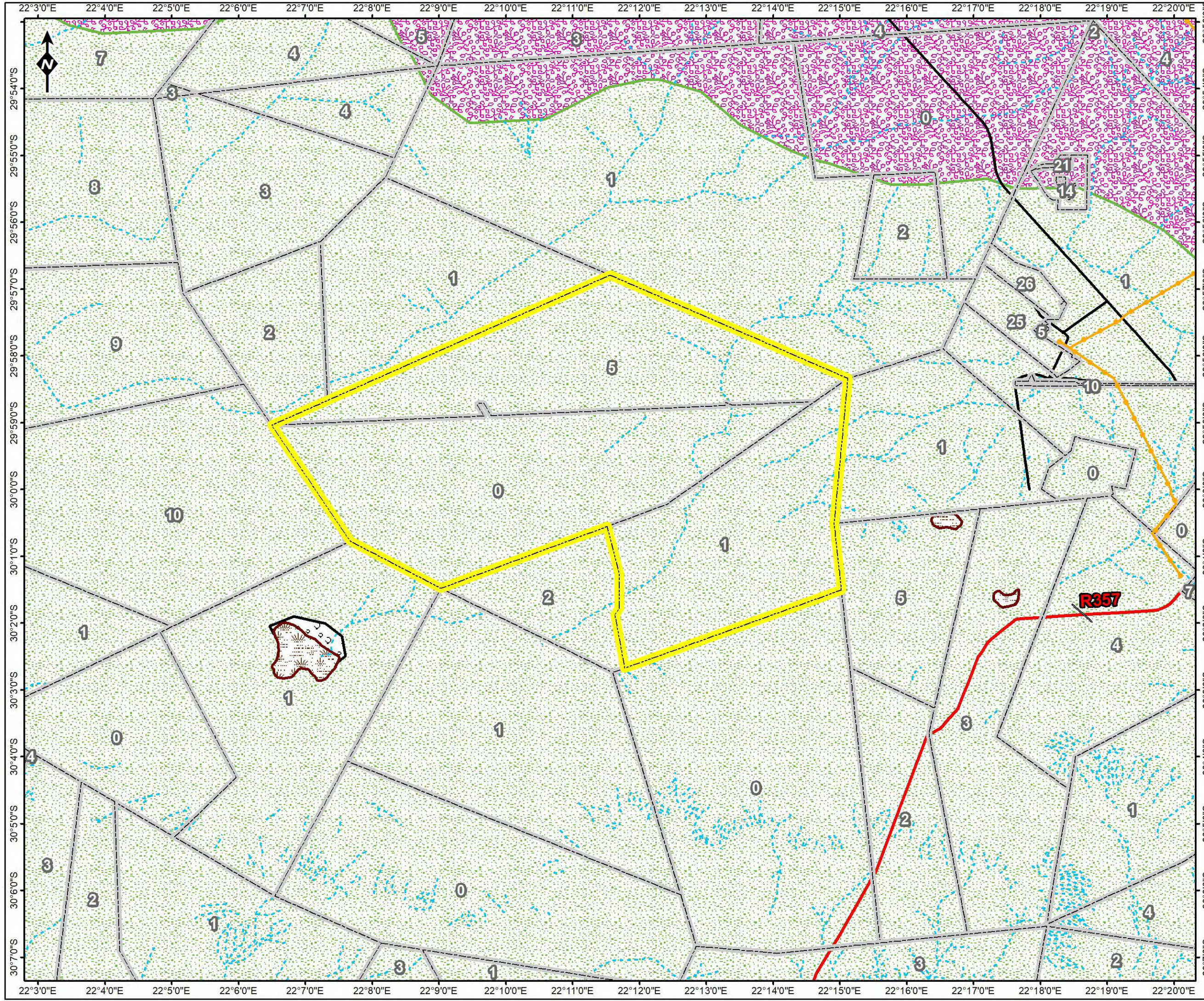
Ag - Freely drained, shallow (<300 mm deep), red, eutrophic, apedal soils comprise >40% of the land type (yellow soils comprise <10%)

Ah - Freely drained, red and yellow, eutrophic, apedal soils comprise >40% of the land type (red and yellow soils each comprise >10%)

Ai - Freely drained, yellow, eutrophic, apedal soils comprise >40% of the land type (red soils comprise <10%)

Db - Duplex soils (sandler topsoil abruptly overlying more clayey subsoil) comprise >50% of land type; <50% of duplex soils have non-red B horizons

MAP 6: VEGETATION



Legend

- Powerline
- Farm Portions
- PROSPECTING RIGHTS APPLICATION**
- Prospecting Right Boundary
- VEGETATION**
- Bushmanland Arid Grassland
- Bushmanland Basin Shrubland
- Bushmanland Vloere
- Northern Upper Karoo
- ROAD NETWORK**
- Main Road
- Secondary Road
- RIVERS & STREAMS**
- Non-Perennial River

VEGETATION

0 1000 2000 4000 Meters

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Coordinate System: GCS WGS 1984 Datum: WGS 1984	

ABS Africa
Sustainability Advisors

Scale: 1:96 326
Version: Final
Date: 2019/01/18



MAP 7: PRA IN RELATION TO THE KAROO CENTRAL AAA

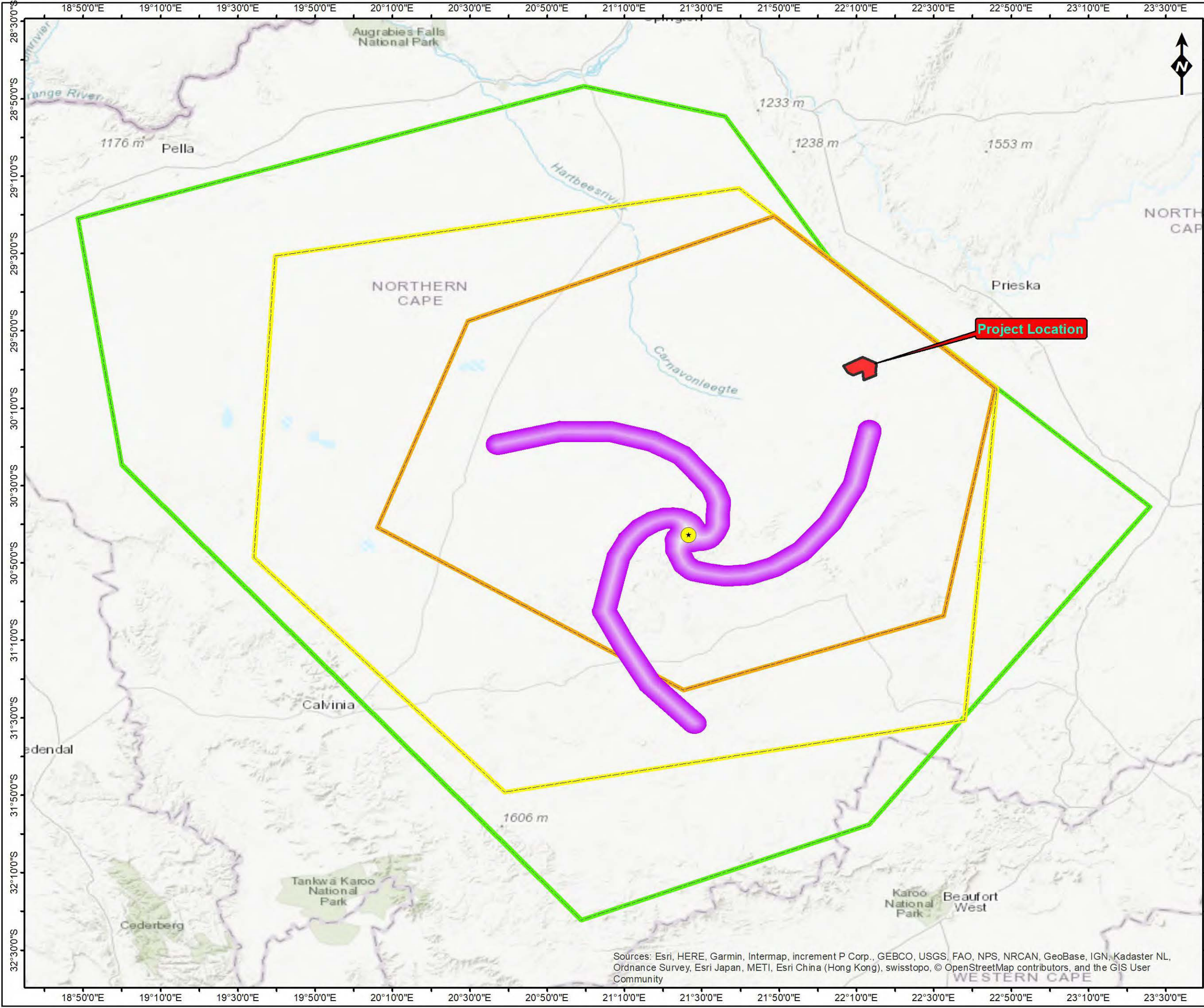
Orion Exploration
No. 5 – Prospecting Right

Legend

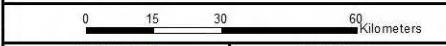
- ★ SKA Virtual Center

- PROSPECTING RIGHTS APPLICATION**
- Prospecting Right Boundary

- SKA AREAS**
- Central Astronomy Advantage Area 1
- Central Astronomy Advantage Area 2
- Central Astronomy Advantage Area 3
- SKA Phase 1 Corridors



PROSPECTING RIGHT BOUNDARY IN RELATION TO KAROO AAA



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Coordinate System: GCS WGS 1984
Datum: WGS 1984

<p>ABS Africa Sustainability Advisors</p>	Scale: 1:1 675 000
	Version: Final
	Date: 2019/01/18



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community