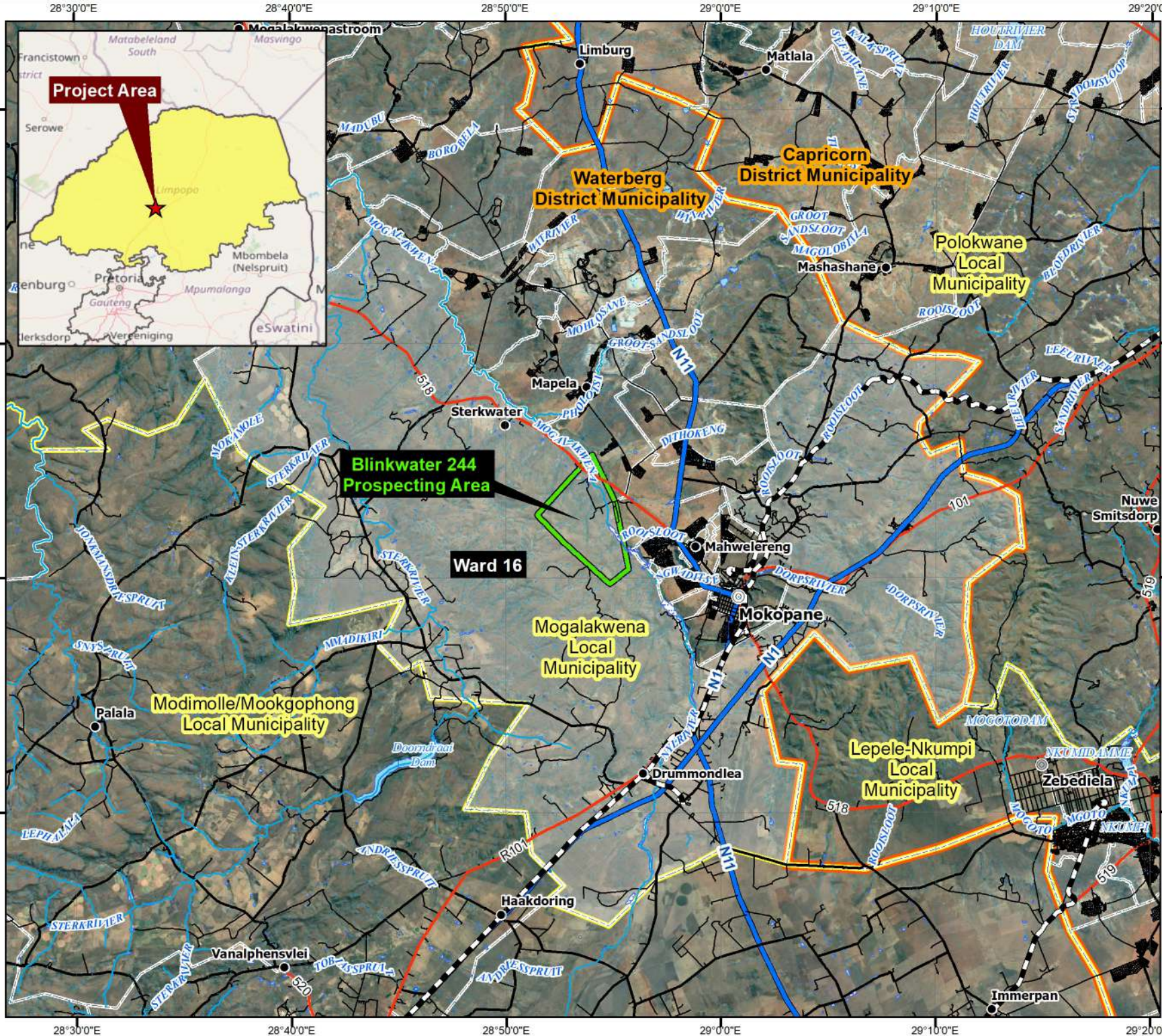



PalRho Prospecting Right Application

Blinkwater 244 Regional Setting

Legend


- Secondary Town
- Other Town
- Settlement
- Railway Line
- National Route
- Main Road
- Secondary Road
- Street
- Non-Perennial River/Stream
- Perennial River/Stream
- Dam/Lake
- Reservoir/Water tank
- Marsh/Swamp
- Non-perennial pan
- Local Municipalities
- Municipal Wards
- District Municipalities
- Blinkwater 244






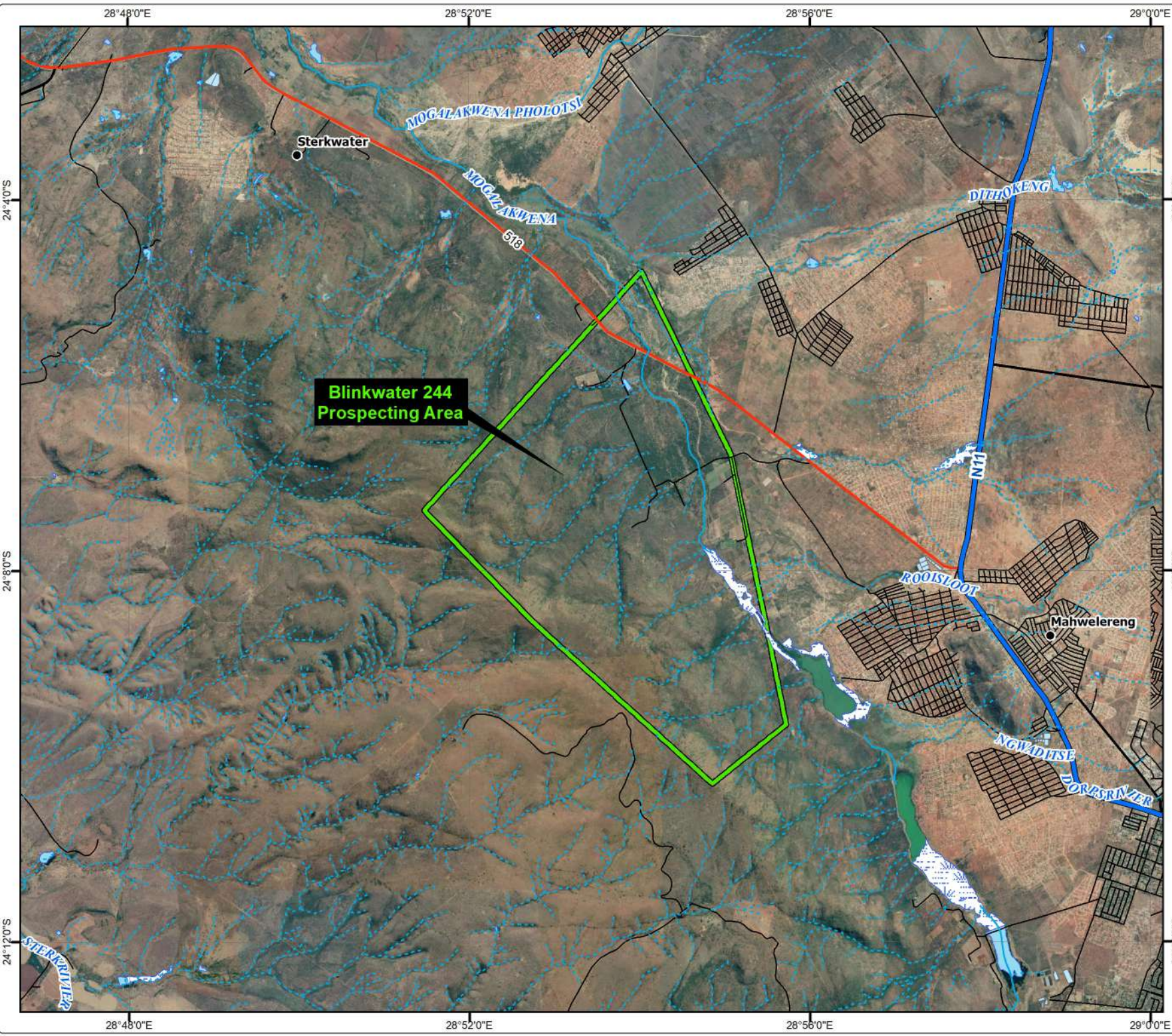
DIGBY WELLS
ENVIRONMENTAL

Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_01_PC





0 2.5 5 10 15
Kilometres



PalRho Prospecting Right Application

Blinkwater 244 Local Setting

Legend

- Settlement
- National Route
- Main Road
- Secondary Road
- Street
- - - Non-Perennial River/Stream
- Perennial River/Stream
- Dam/Lake
- Reservoir/Water tank
- Marsh/Swamp
- Blinkwater 244



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_04_PC



PaIRho Prospecting Right Application

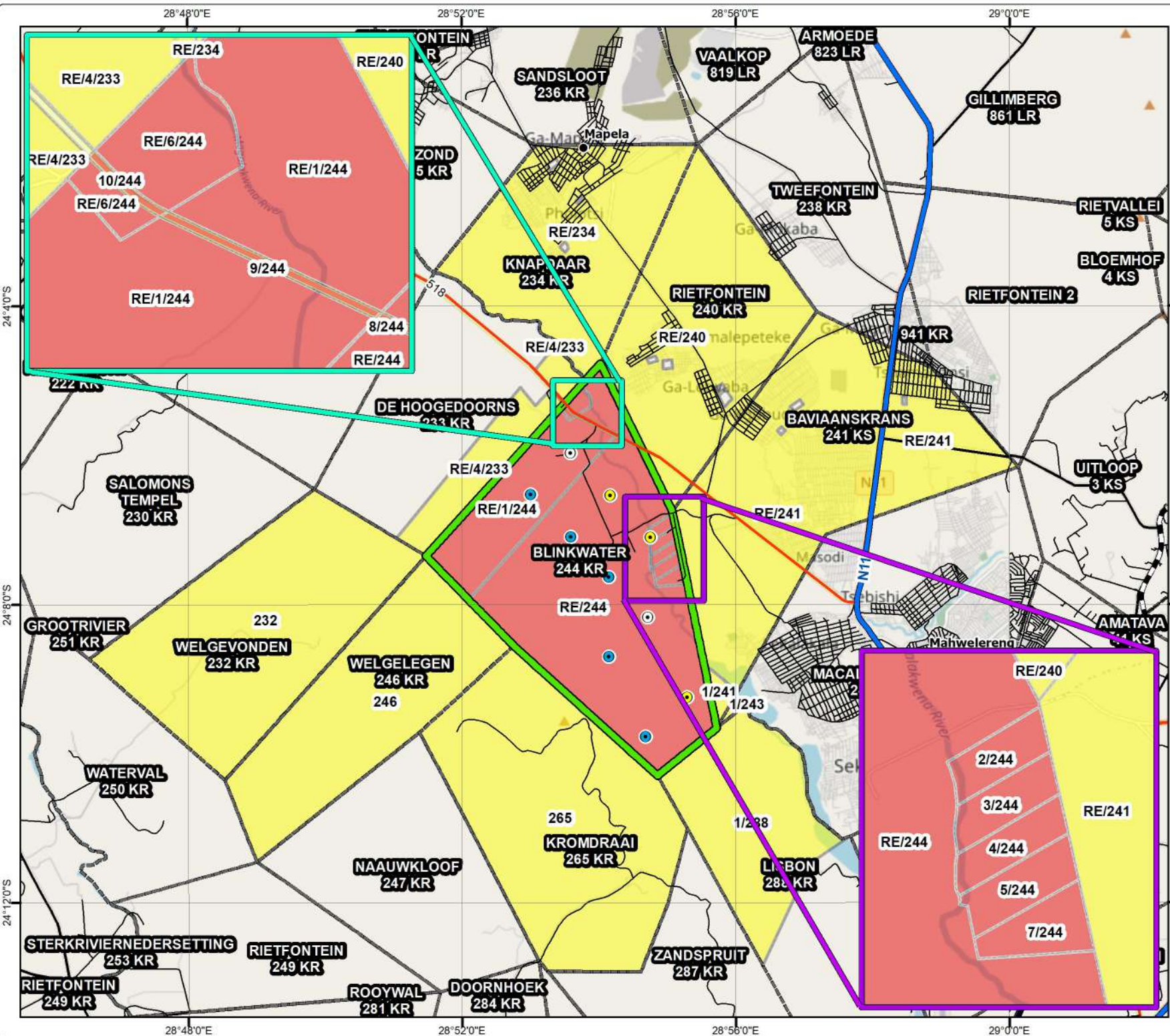
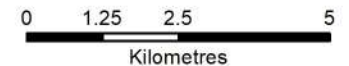
Blinkwater 244 Land Tenure

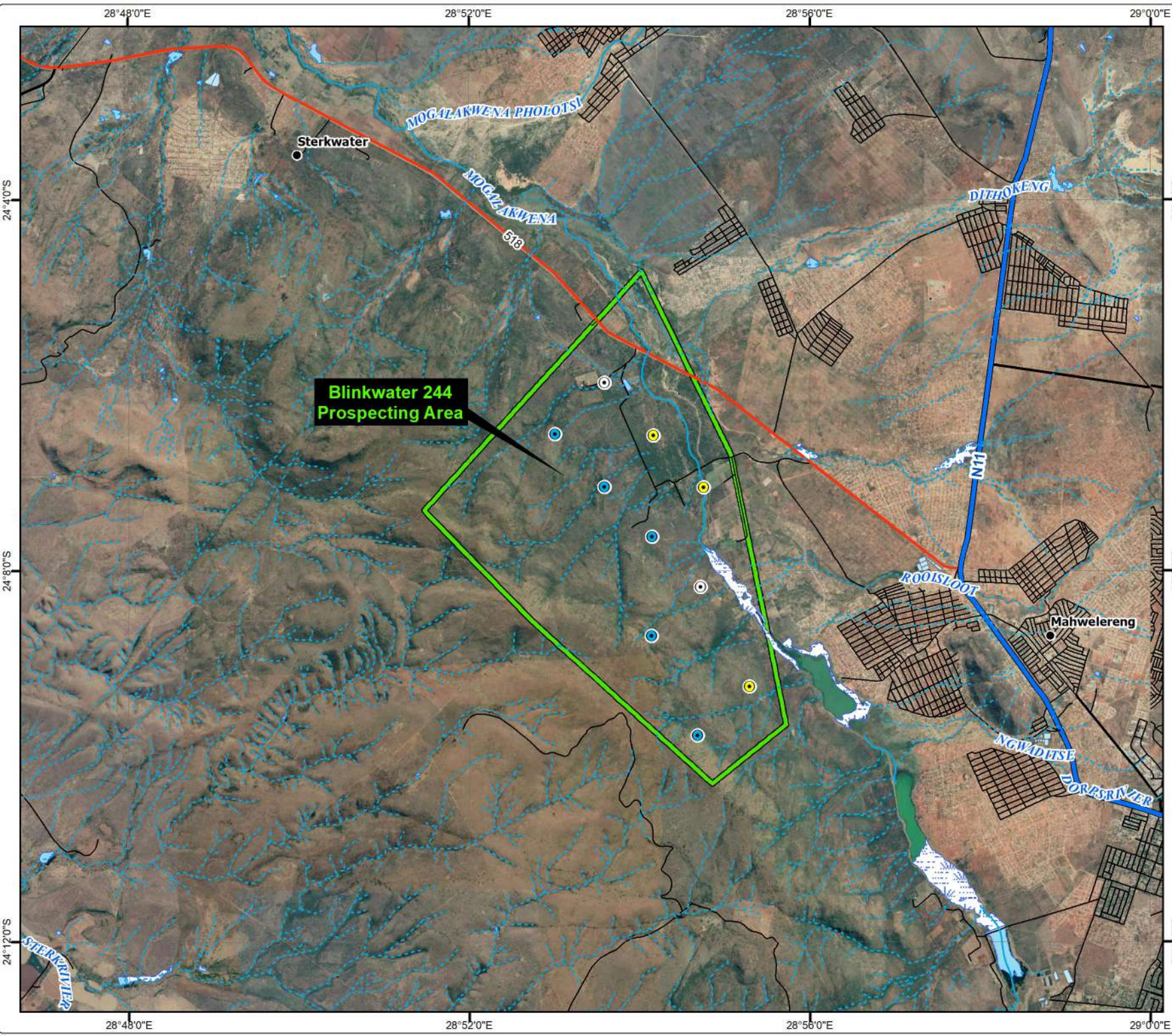
Legend

- ⊙ Secondary Town
- Settlement
- Prospecting Programme Phases**
- Phase 1
- Phase 2
- Phase 3
- Railway Line
- National Route
- Main Road
- Secondary Road
- Street
- ⊠ Parent Farm
- Affected Farm Portions**
- Directly Affected
- Indirectly Affected
- Blinkwater 244



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 02/03/2021
 Ref #: PAL6882_PPP_01_PC





PalRho Prospecting Right Application

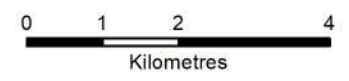
Blinkwater 244 Drilling Locations

Legend

- Settlement
- Prospecting Programme Phases**
- Phase 1
- Phase 2
- Phase 3
- National Route
- Main Road
- Secondary Road
- Street
- - - Non-Perennial River/Stream
- Perennial River/Stream
- Dam/Lake
- Reservoir/Water tank
- Marsh/Swamp
- Blinkwater 244



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_07_PC



PaIRho Prospecting Right Application

Blinkwater 244 Regional Topography

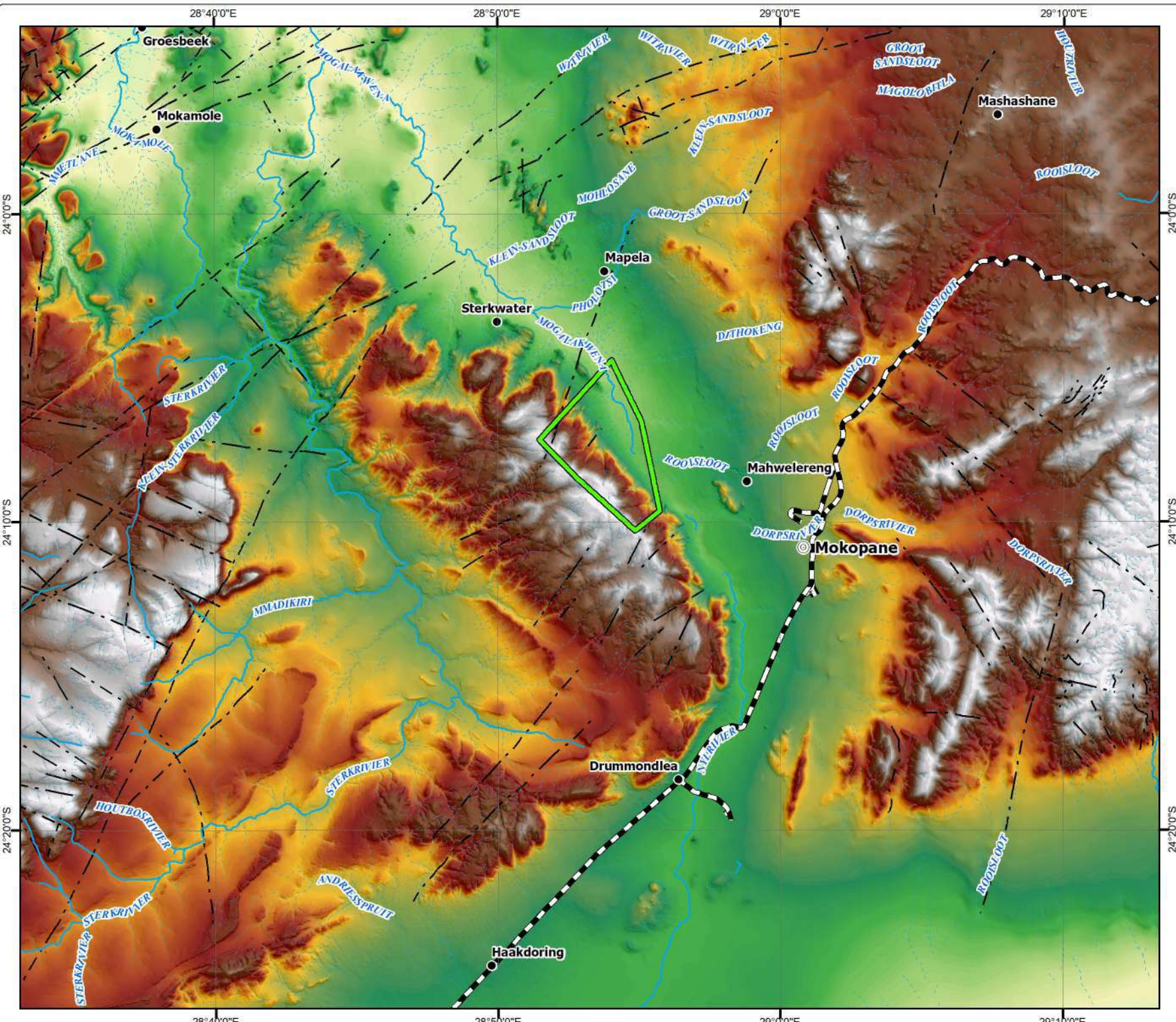
Legend

- ⊙ Secondary Town
- Settlement
- ▬ Railway Line
- - - Non-Perennial River/Stream
- Perennial River/Stream
- - - Linear Structures
- ▭ Blinkwater 244

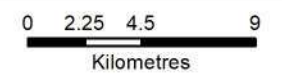
TopoToR_5mCo21.tif

Value

- High : 2004.89
- Low : 857.899



Projection: Transverse Mercator
Datum: WGS 1984
Central Meridian: 29°E
Date: 16/02/2021
Ref #: PAL6882_S_05_PC



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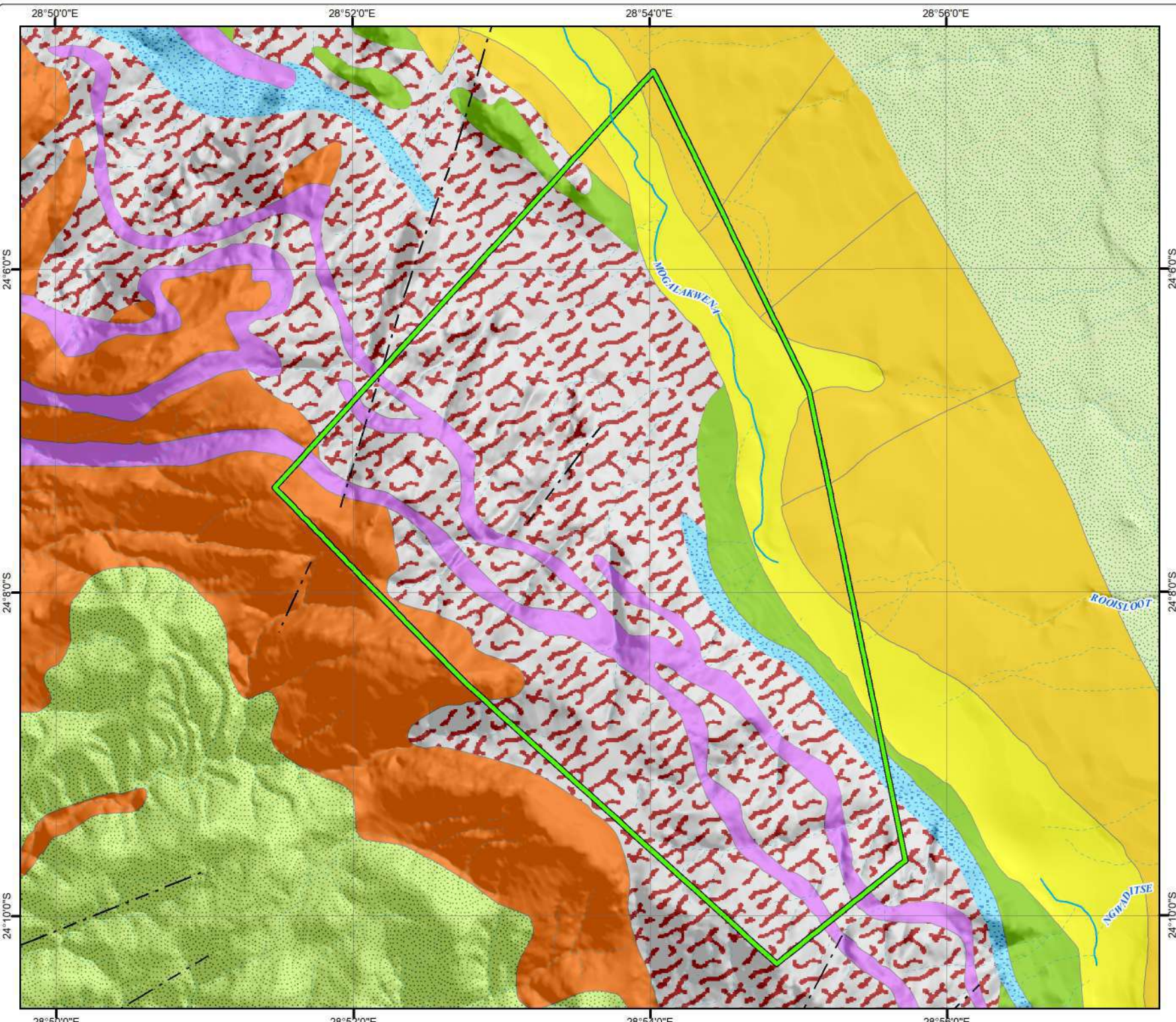
Blinkwater 244 Regional Geology

Legend

- Non-Perennial River/Stream
- Perennial River/Stream
- - - Linear Structures

Geology

- Alluvium
- Coarse-grained granite
- Diabase
- Gabbro, norite
- Granite granophyre
- Magnetite gabbro with magnetite layers
- Massive, generally red, porphyritic felsite, minor pyroclastic rocks and sandstone/quartzite
- Quartz-feldspar porphyry, granophyre
- Quartzite, shale and andesitic-basaltic lava
- Blinkwater 244



Projection: Transverse Mercator
Datum: WGS 1984
Central Meridian: 29°E
Date: 16/02/2021
Ref #: PAL6882_S_04_PC



PalRho Prospecting Right Application

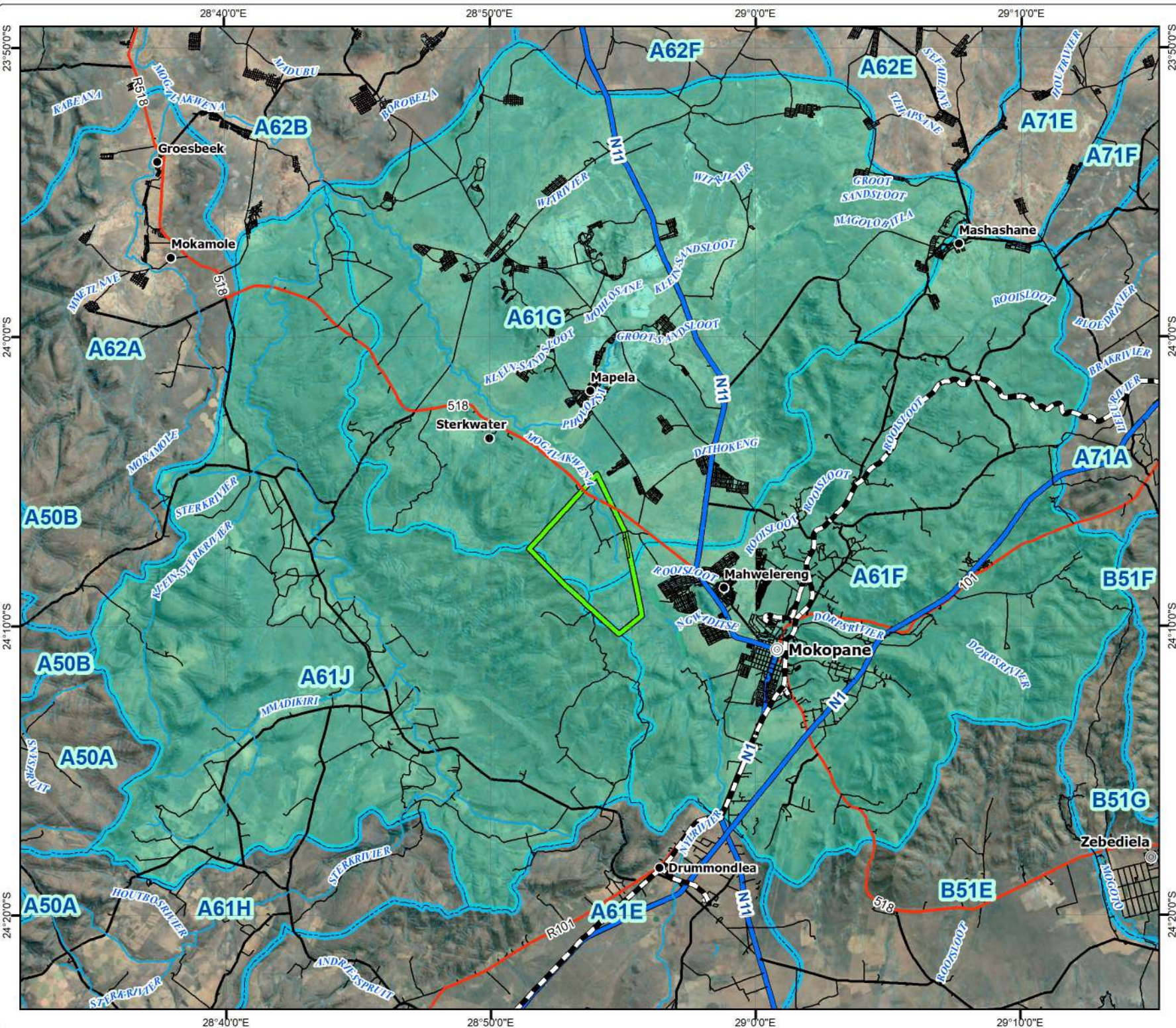
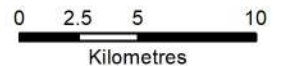
Blinkwater 244 Quaternary Catchments

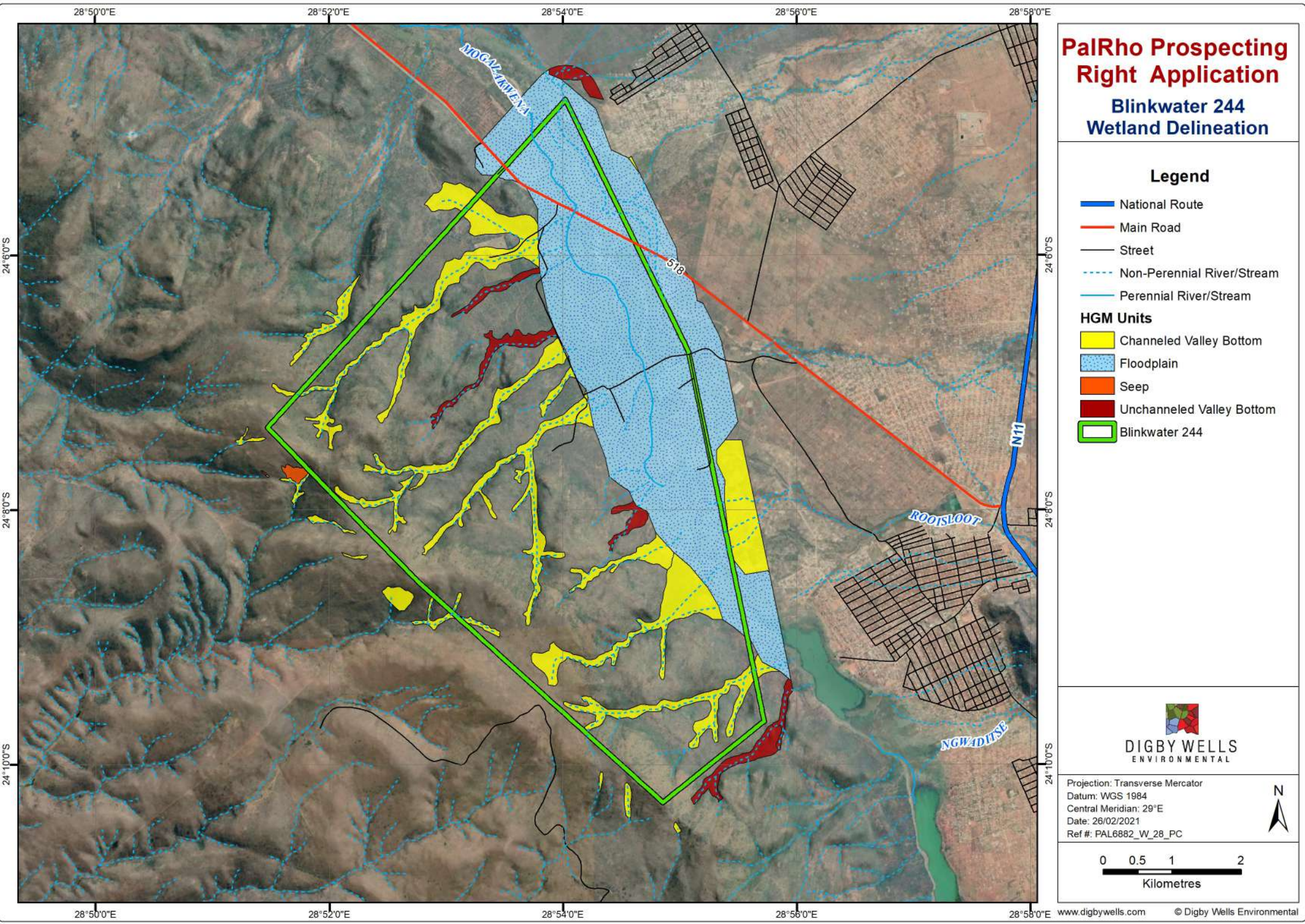
Legend

- ⊙ Secondary Town
- ⊙ Other Town
- Settlement
- ▬ Railway Line
- ▬ National Route
- ▬ Main Road
- ▬ Secondary Road
- ▬ Street
- Non-Perennial River/Stream
- ▬ Perennial River/Stream
- ▭ Quaternary Catchment
- ▭ A61J, A61G, A61F
- ▭ Blinkwater 244



Projection: Transverse Mercator
Datum: WGS 1984
Central Meridian: 29°E
Date: 16/02/2021
Ref #: PAL6882_W_04_PC





PalRho Prospecting Right Application

Blinkwater 244 Wetland Delineation

Legend

- ▬ National Route
 - ▬ Main Road
 - ▬ Street
 - - - Non-Perennial River/Stream
 - ▬ Perennial River/Stream
- HGM Units**
- Channeled Valley Bottom
 - Floodplain
 - Seep
 - Unchanneled Valley Bottom
 - Blinkwater 244



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 26/02/2021
 Ref #: PAL6882_W_28_PC



PalRho Prospecting Right Application

Blinkwater 244 Regional Vegetation

Legend

- ⊙ Secondary Town
- Settlement
- ▬ Railway Line
- ▬ National Route
- ▬ Main Road
- ▬ Secondary Road
- ▬ Street
- ▬ Non-Perennial River/Stream
- ▬ Perennial River/Stream

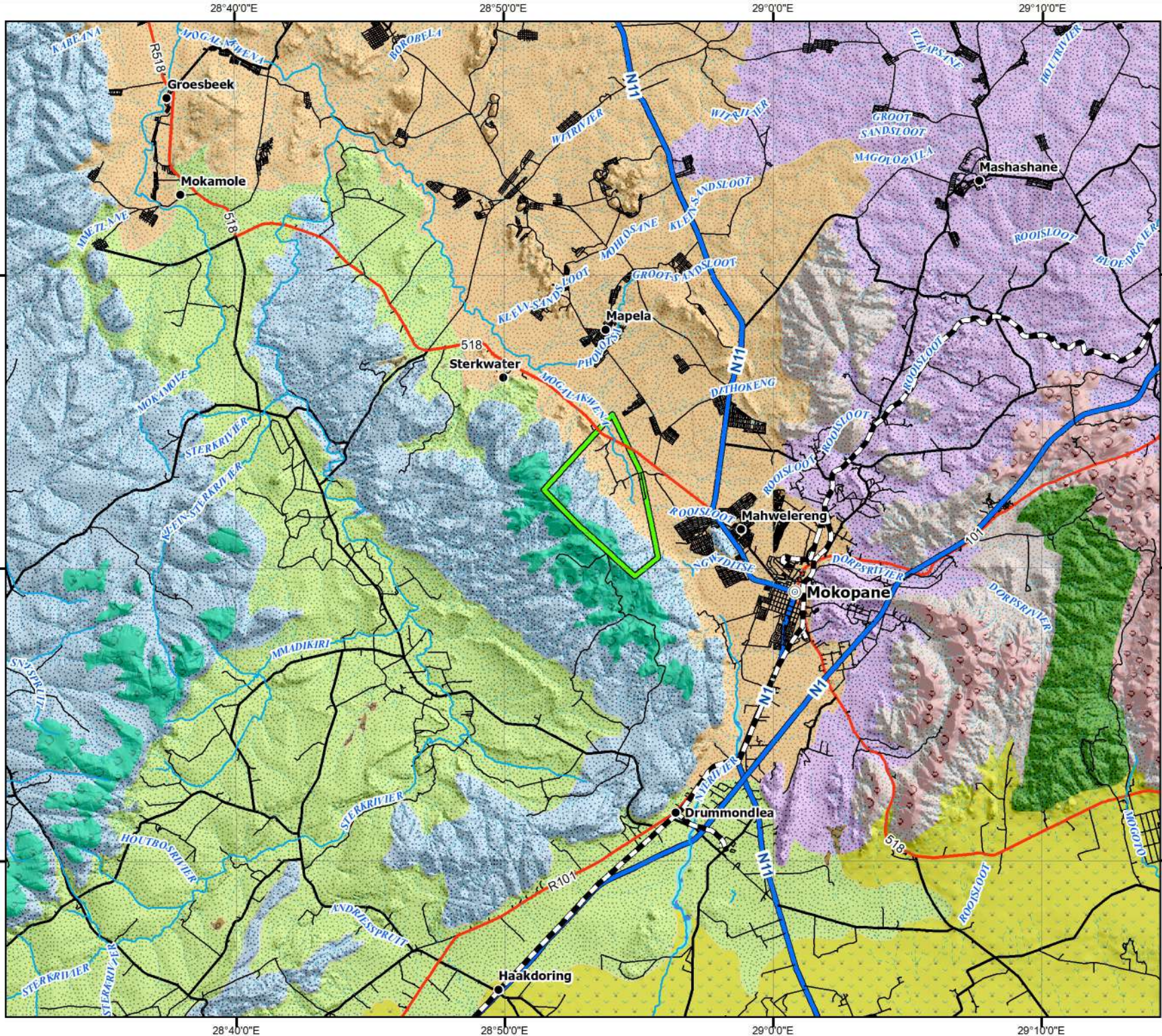
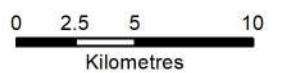
Regional Vegetation

(Mucina & Rutherford, 2012)

- ▬ Central Sandy Bushveld
- ▬ Makhado Sweet Bushveld
- ▬ Mamabolo Mountain Bushveld
- ▬ Northern Afrotemperate Forest
- ▬ Polokwane Plateau Bushveld
- ▬ Pong Dolomite Mountain Bushveld
- ▬ Springbokvlakte Thornveld
- ▬ Strydpoort Summit Sourveld
- ▬ Subtropical Freshwater Wetlands
- ▬ Waterberg Mountain Bushveld
- ▬ Waterberg-Magaliesberg Summit Sourveld
- ▬ Blinkwater 244



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_W_01_PC



28°50'0"E

28°55'0"E

24°50'0"S

24°10'0"S

28°50'0"E

28°55'0"E



National Landcover 2018 (GTI)

- | | | | |
|--|--|--|--|
| | contiguous low forest & thicket | | fallow land & old fields (bush) |
| | dense forest & woodland | | fallow land & old fields (grass) |
| | open woodland | | fallow land & old fields (bare) |
| | contiguous & dense plantation forest | | residential formal (tree) |
| | open & sparse plantation forest | | residential formal (bush) |
| | sparsely wooded grassland | | residential formal (low veg / grass) |
| | natural grassland | | residential formal (bare) |
| | natural pans (flooded @ observation times) | | residential informal (tree) |
| | artificial dams (including canals) | | residential informal (bush) |
| | artificial sewage ponds | | residential informal (low veg / grass) |
| | herbaceous wetlands (currently mapped) | | residential informal (bare) |
| | herbaceous wetlands (previously mapped) | | village scattered (bare & low veg/ grss combo) |
| | natural rock surfaces | | village dense (bare & low veg / grss combo) |
| | dry pans | | urban recreational fields (tree) |
| | eroded lands | | urban recreational fields (bush) |
| | other bare | | urban recreational fields (grass) |
| | commercial annual crops pivot irrigated | | commercial |
| | commercial annual crops rain-fed / dryland | | industrial |
| | subsistence / small-scale annual crops | | roads & rails (major linear) |
| | fallow land & old fields (trees) | | mines: extraction pits, quarries |
| | fallow land & old fields (wetlands) | | mine: tailings and resource dumps |
| | | | fallow land & old fields (wetlands) |

PaIRho Prospecting Right Application

Blinkwater 244 Landcover

Legend

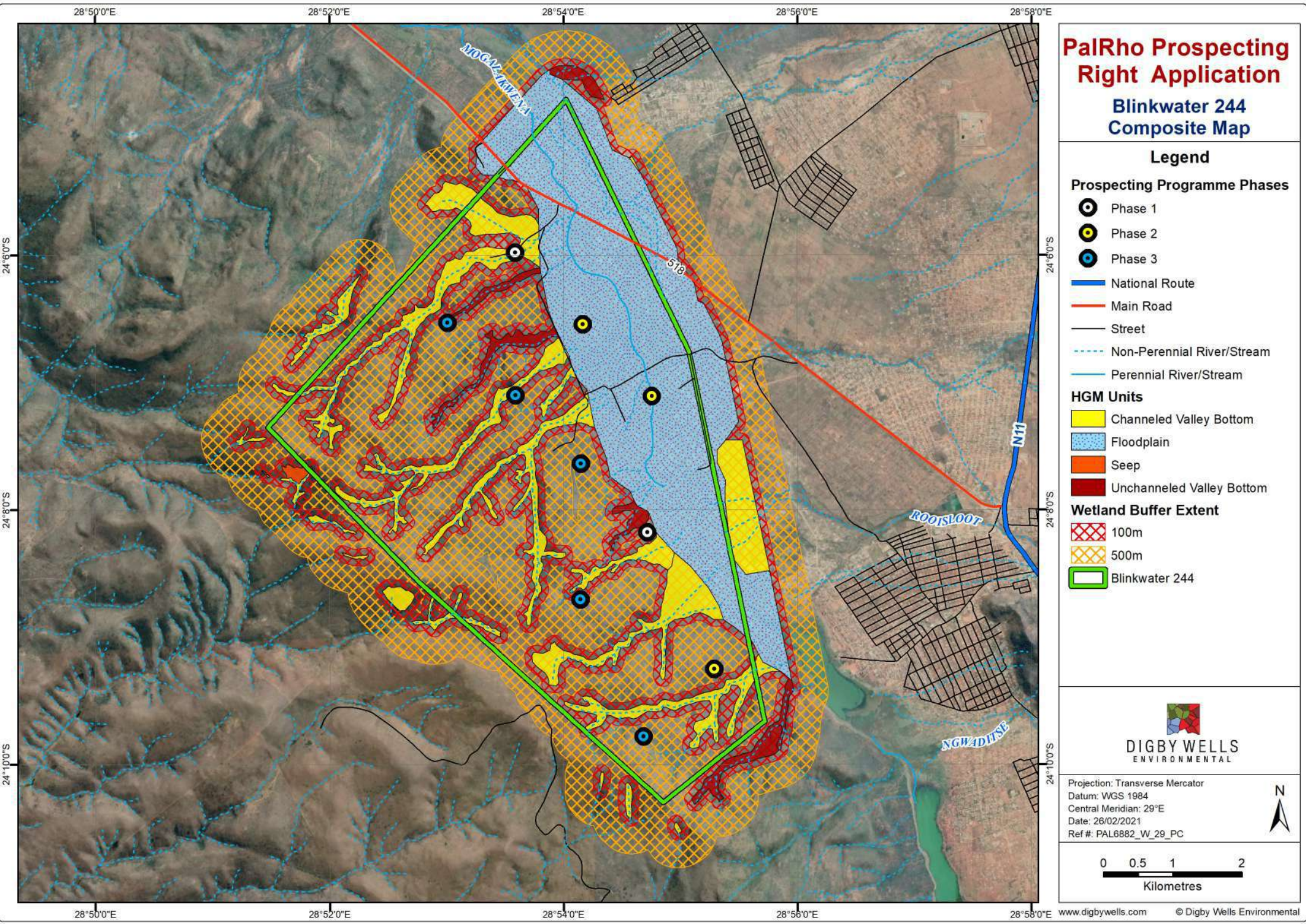
- Settlement
- National Route
- Main Road
- Secondary Road
- Street
- Non-Perennial River/Stream
- Perennial River/Stream
- Blinkwater 244



DIGBY WELLS ENVIRONMENTAL

Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_W_19_PC










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Blinkwater 244 Composite Map

Legend

Prospecting Programme Phases




-  Phase 1
-  Phase 2
-  Phase 3

-  National Route
-  Main Road
-  Street
-  Non-Perennial River/Stream
-  Perennial River/Stream

HGM Units

-  Channeled Valley Bottom
-  Floodplain
-  Seep
-  Unchanneled Valley Bottom

Wetland Buffer Extent

-  100m
-  500m
-  Blinkwater 244



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 26/02/2021
 Ref #: PAL6882_W_29_PC

