

PalRho Prospecting Right Application

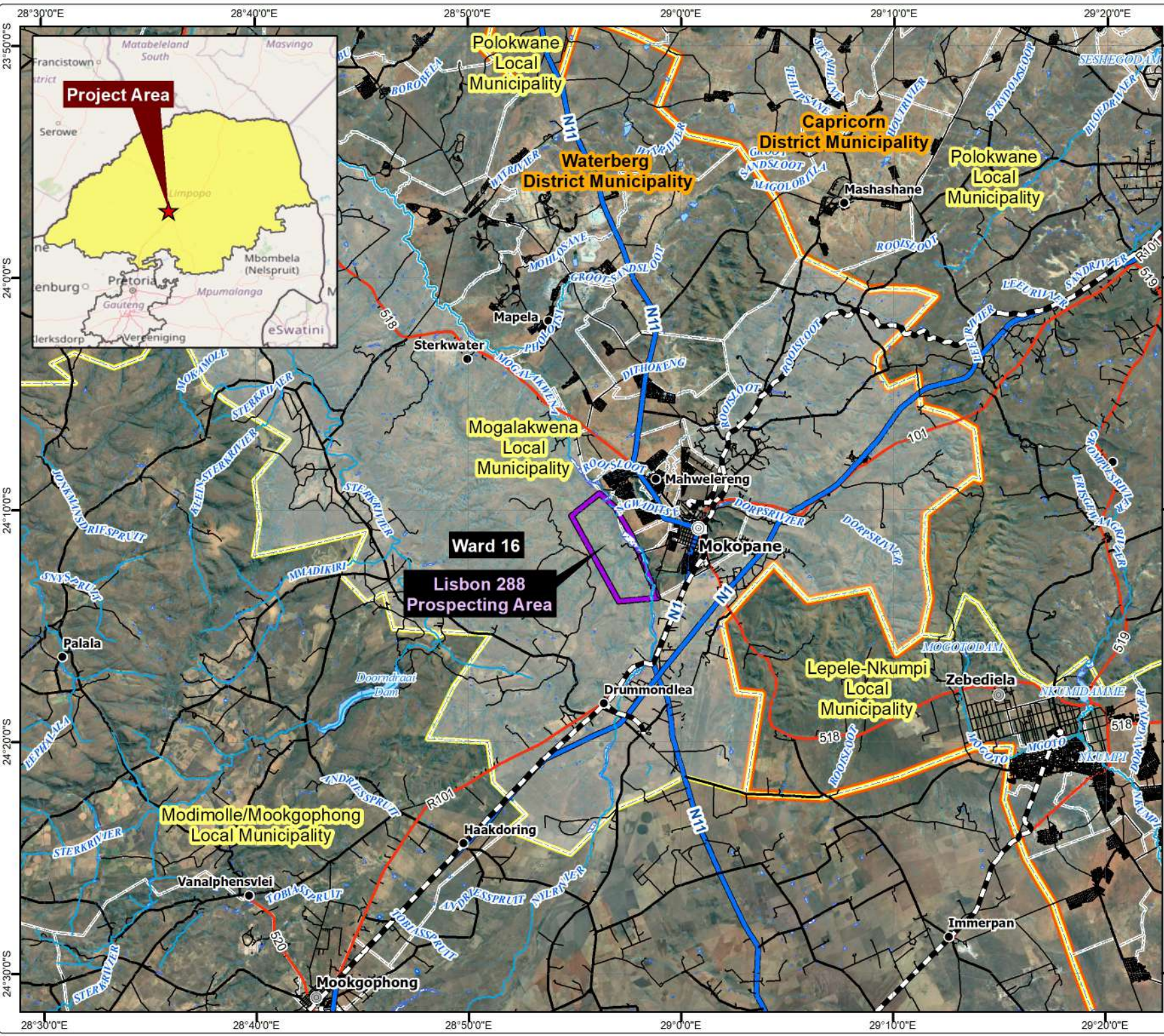
Lisbon 288 Regional Setting

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
- District Municipalities
- Municipal Wards
- Lisbon 288



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_02_PC



Ward 16
Lisbon 288
Prospecting Area

28°52'0"E

28°56'0"E

29°0'0"E

PalRho Prospecting Right Application

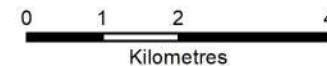
Lisbon 288 Local Setting

Legend

- ⊙ Secondary 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
- ▭ Lisbon 288

**Lisbon 288
Prospecting Area**

Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_05_PC



24°3'0"S

24°3'0"S

24°12'0"S

24°12'0"S

24°18'0"S

24°18'0"S

28°52'0"E

28°56'0"E

29°0'0"E

PalRho Prospecting Right Application

Lisbon 288 Land Tenure

Legend

- ⊙ Secondary Town
- Settlement

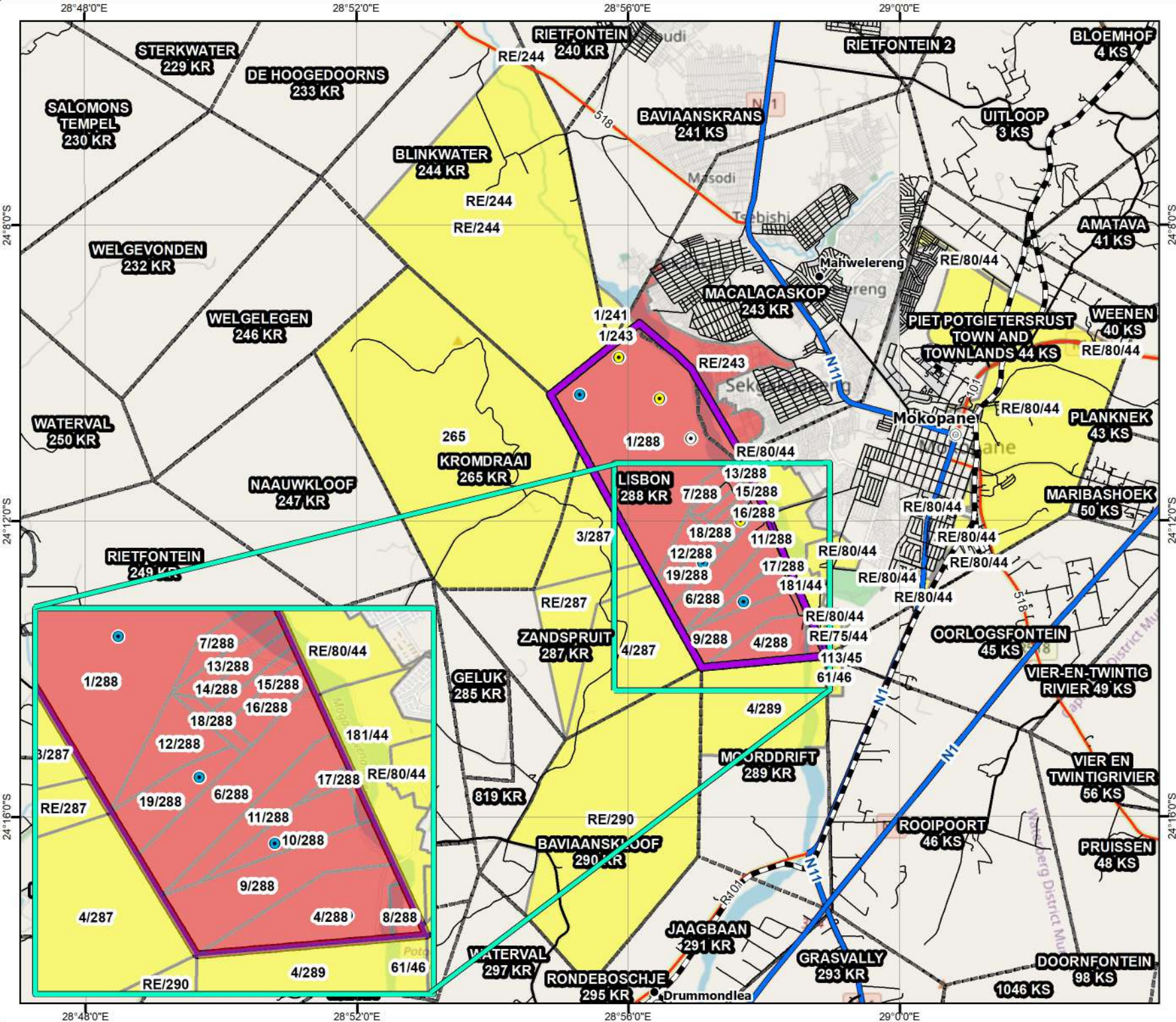
Prospecting Programme Phases

- ⊙ Phase 1
- Phase 2
- Phase 3

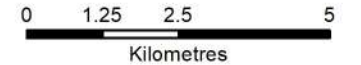
- +— Railway Line
- National Route
- Main Road
- Secondary Road
- Street

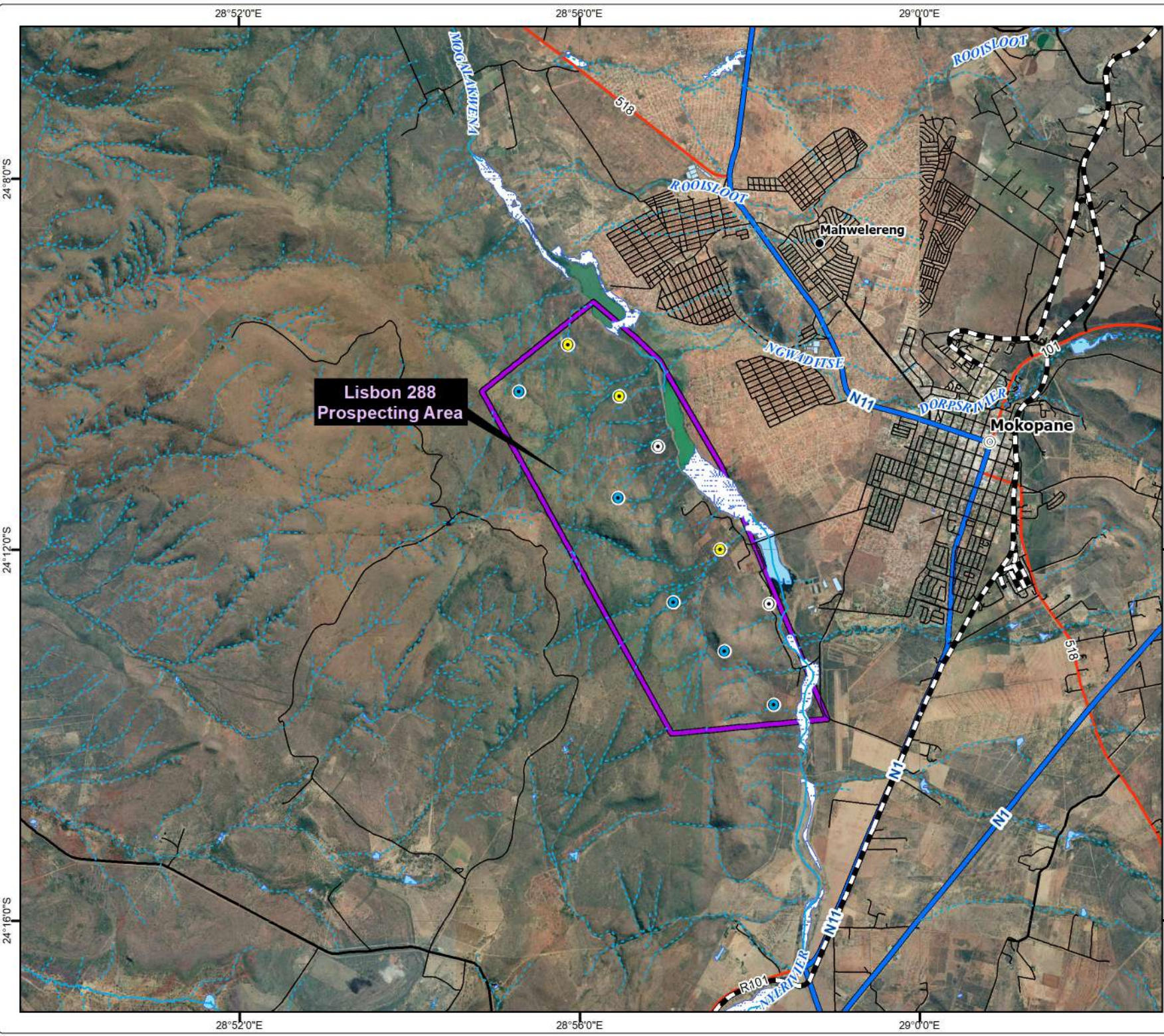
Affected Farm Portions

- Directly Affected
- Indirectly Affected
- ▭ Parent Farm
- ▭ Lisbon 288



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_PPP_02_PC





PalRho Prospecting Right Application

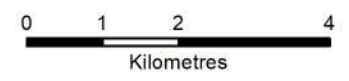
Lisbon 288 Drilling Locations

Legend

- ⊙ Secondary Town
- Settlement
- Prospecting Programme Phases**
- ⊙ Phase 1
- Phase 2
- Phase 3
- +— Railway Line
- National Route
- Main Road
- Secondary Road
- Street
- - - Non-Perennial River/Stream
- Perennial River/Stream
- Dam/Lake
- Reservoir/Water tank
- Marsh/Swamp
- Lisbon 288



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_08_PC



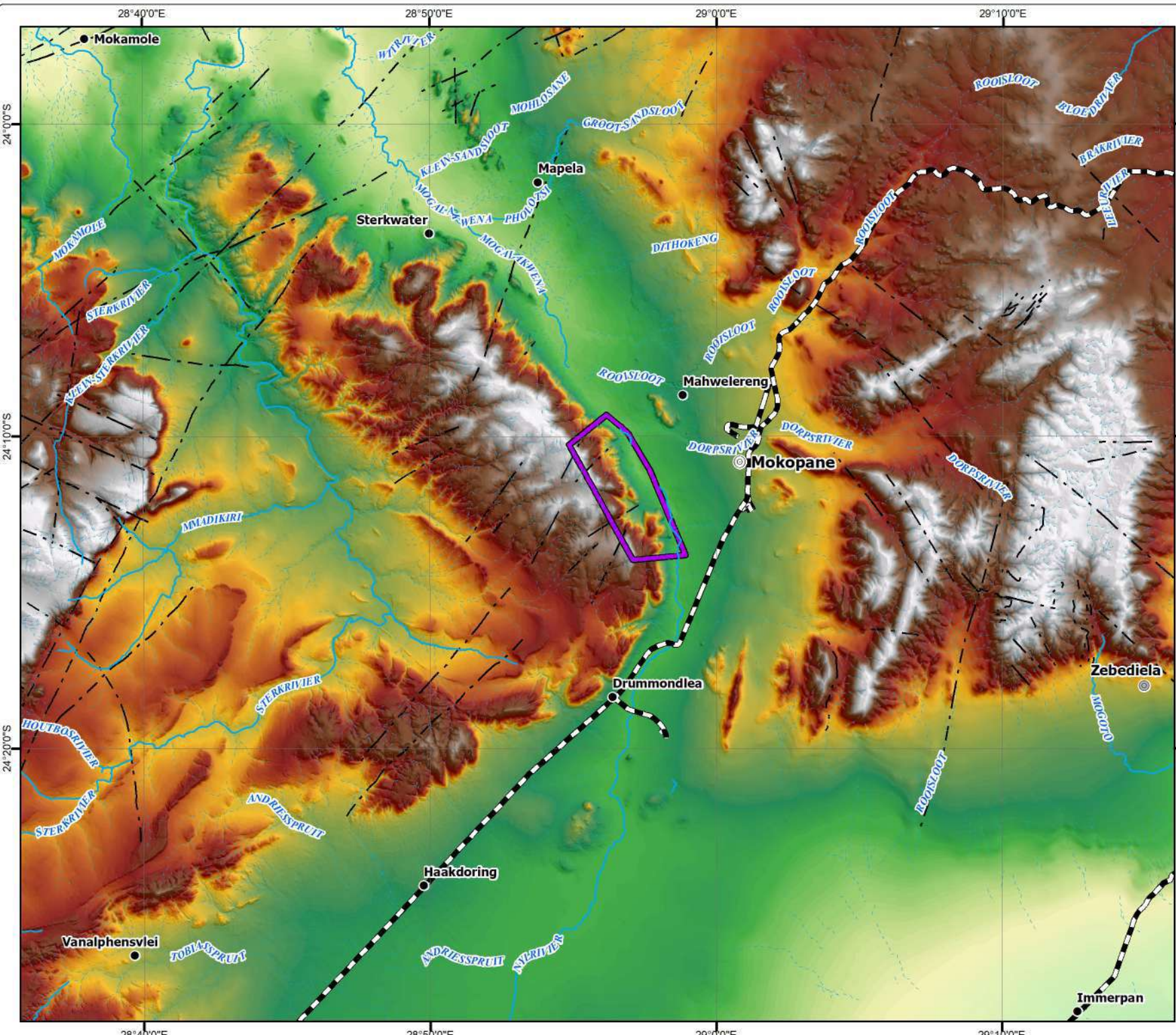
PalRho Prospecting Right Application

Lisbon 288 Regional Topography

Legend

- ⊙ Secondary Town
- ⊙ Other Town
- Settlement
- +— Railway Line
- - - Non-Perennial River/Stream
- Perennial River/Stream
- ▭ Lisbon 288
- - - Linear Structures

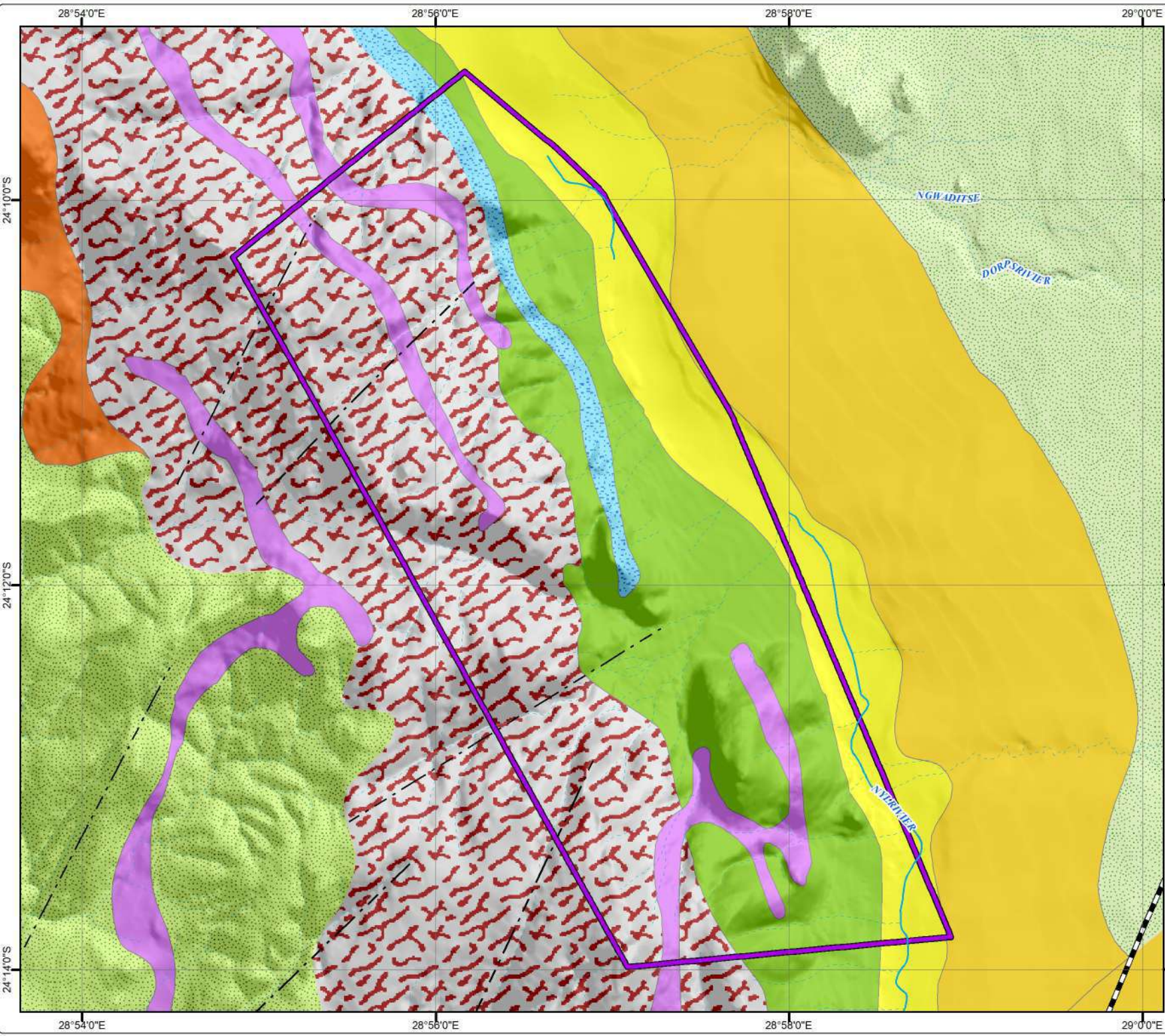
Elevation (mamsl)
High : 2004.89
Low : 857.899



DIGBY WELLS
ENVIRONMENTAL

Projection: Transverse Mercator
Datum: WGS 1984
Central Meridian: 29°E
Date: 16/02/2021
Ref #: PAL6882_S_06_PC





PalRho Prospecting Right Application

Lisbon 288 Regional Geology

Legend

- Railway Line
- Non-Perennial River/Stream
- Perennial River/Stream
- Lisbon 288
- Linear Structures

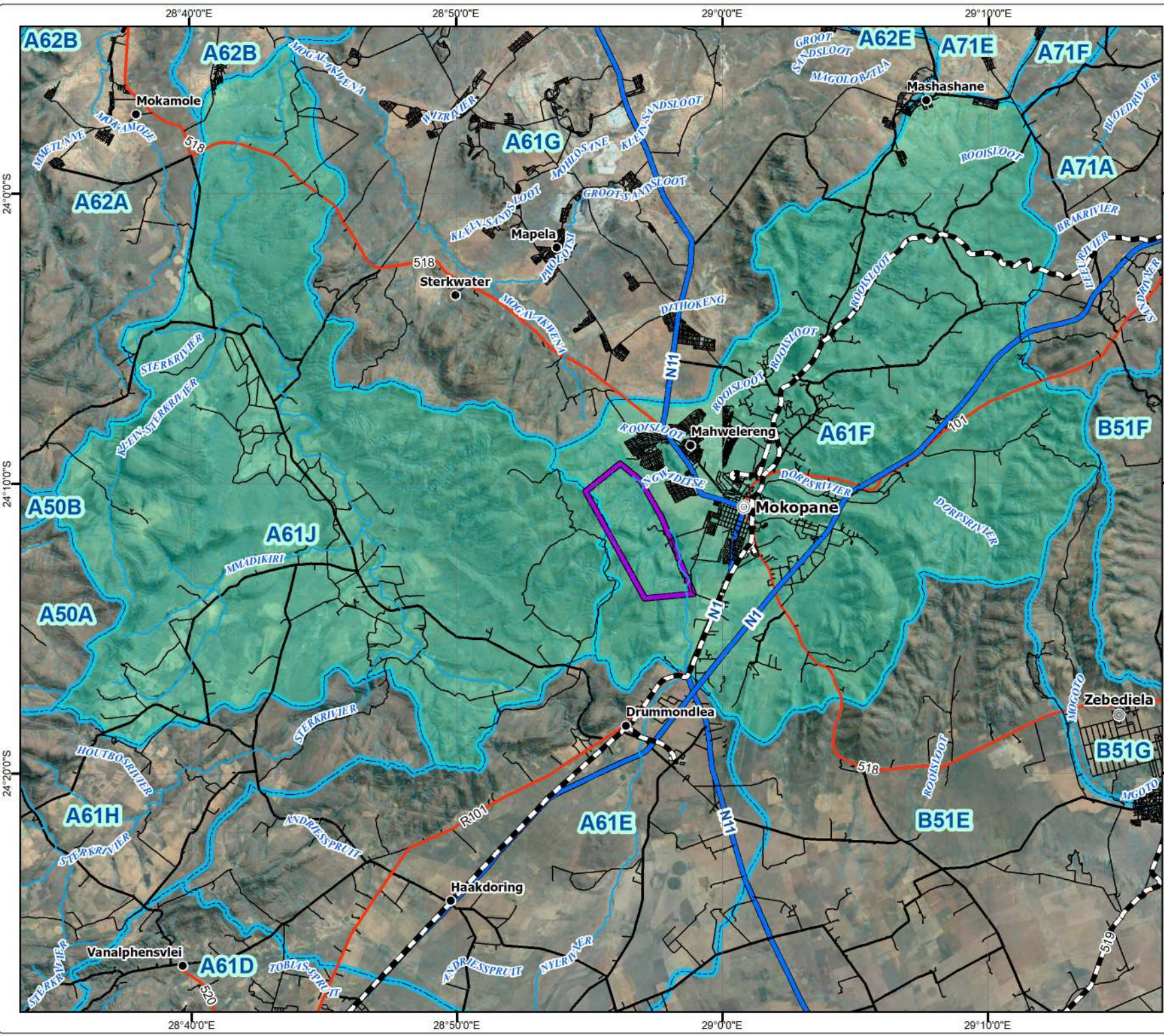
Geology

- 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



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_S_07_PC





PalRho Prospecting Right Application

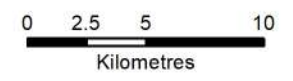
Lisbon 288 Quaternary Catchments

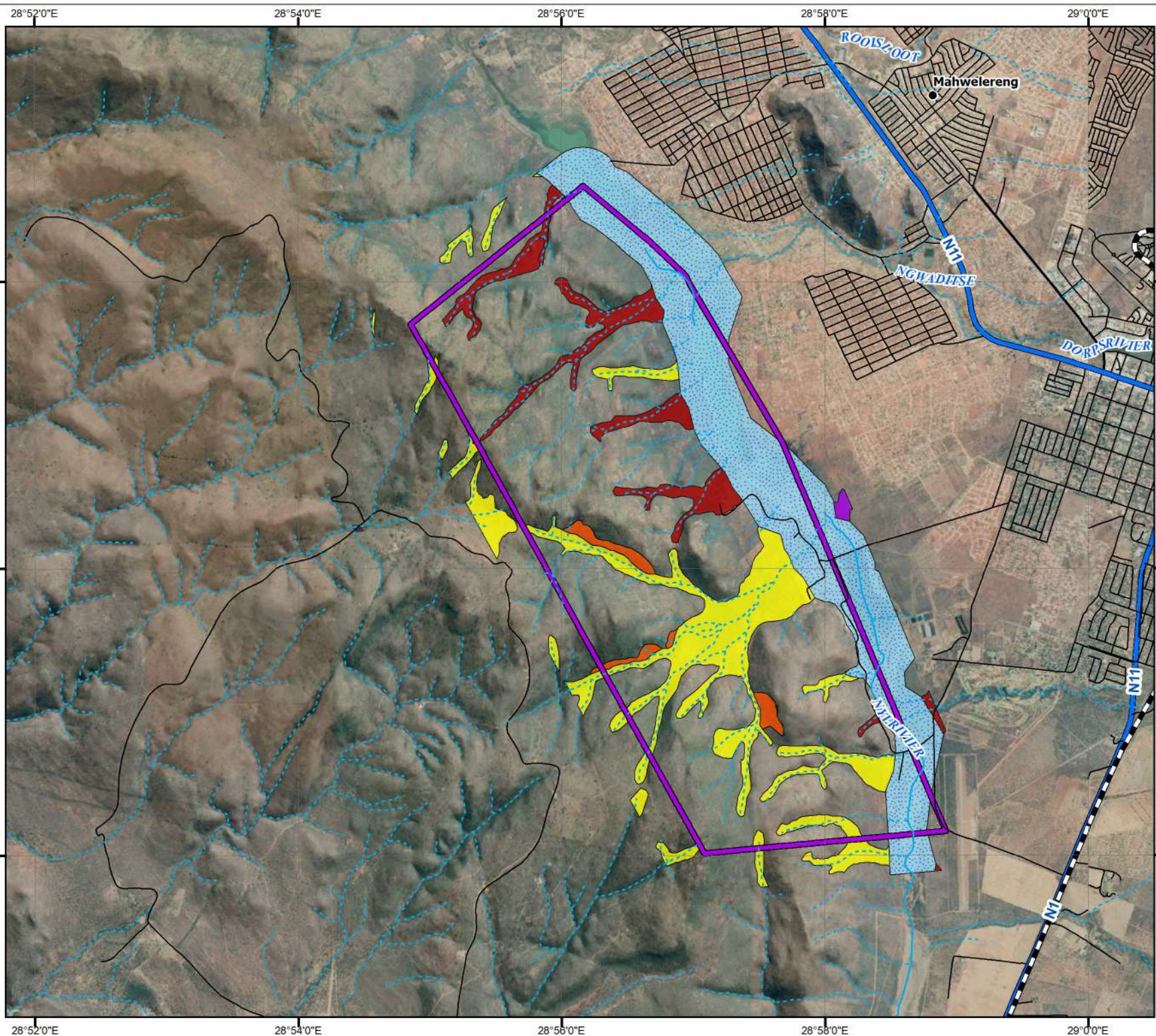
Legend

- ⊙ Secondary Town
- ⦿ Other Town
- Settlement
- ▭ A61J, A61F
- ▬ Railway Line
- ▬ National Route
- ▬ Main Road
- ▬ Secondary Road
- ▬ Street
- ▬ Non-Perennial River/Stream
- ▬ Perennial River/Stream
- ▭ Lisbon 288
- ▭ Quaternary Catchment



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_W_05_PC





PalRho Prospecting Right Application

Lisbon 288 Wetland Delineation

Legend

- Settlement
 - Railway Line
 - National Route
 - Secondary Road
 - Street
 - - - Non-Perennial River/Stream
 - Perennial River/Stream
- HGM Units**
- Channeled Valley Bottom
 - Floodplain
 - Seep
 - Unchanneled Valley Bottom
 - Unchanneled Valley Bottom / Seep
 - Lisbon 288



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 26/02/2021
 Ref #: PAL6882_W_30_PC



PalRho Prospecting Right Application

Lisbon 288 Regional Vegetation

Legend

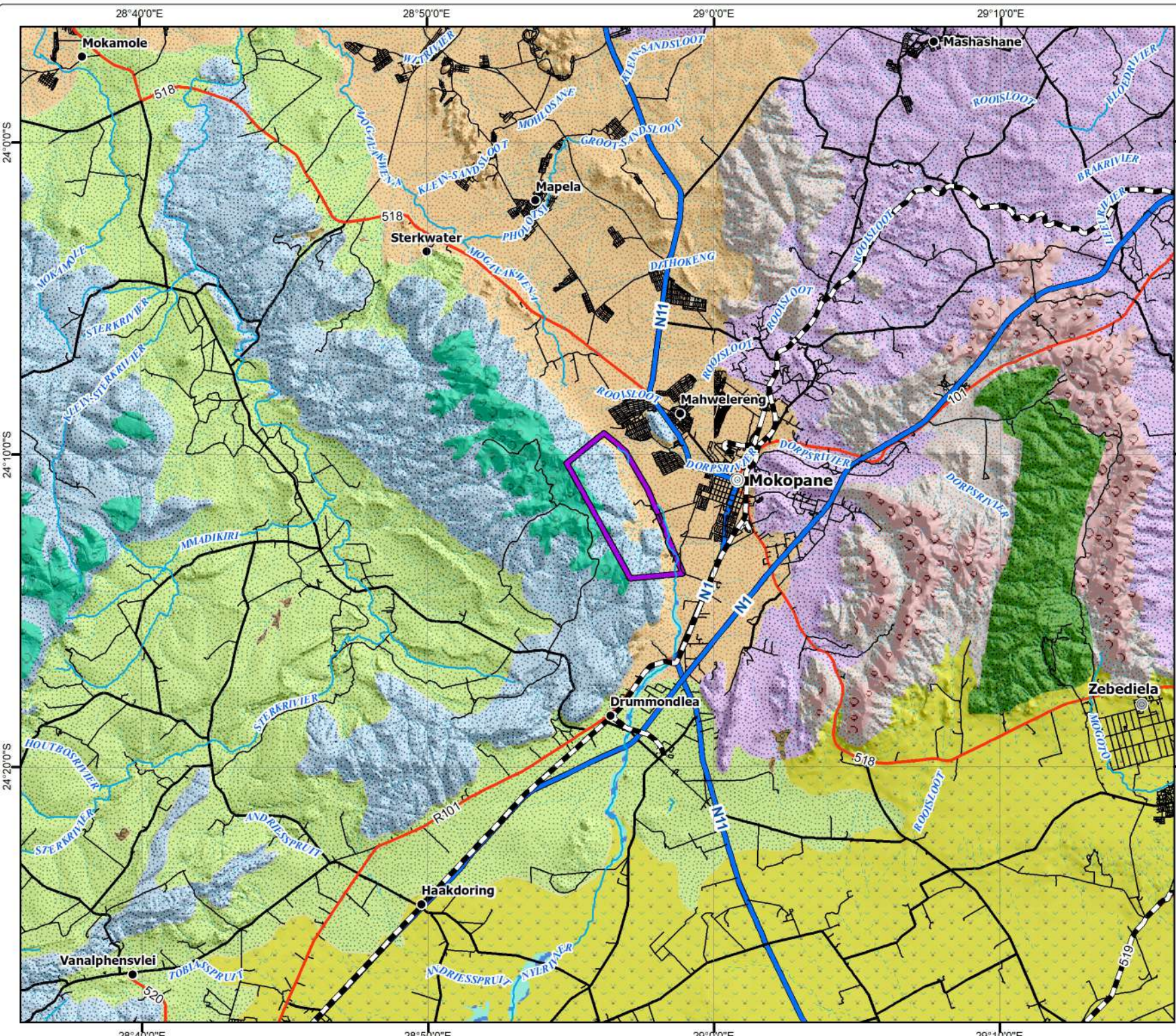
- Secondary Town
- Other Town
- Settlement
- Railway Line
- National Route
- Main Road
- Secondary Road
- Street
- Non-Perennial River/Stream
- Perennial River/Stream

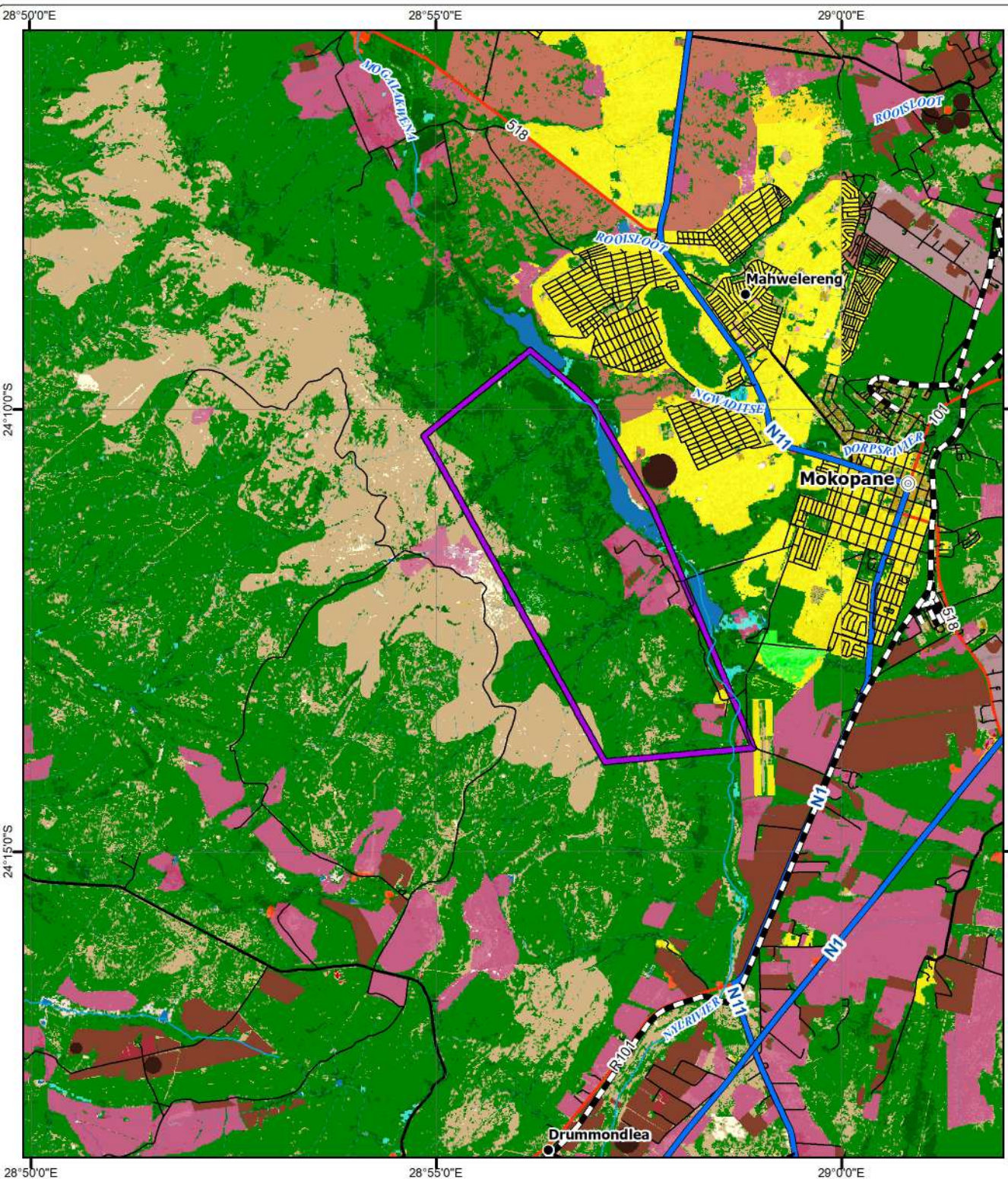
Regional Vegetation (Mucina & Rutherford, 2012)

- 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



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_W_02_PC





National Landcover 2018 (GTI)

	contiguous low forest & thicket		fallow land & old fields (grass)
	dense forest & woodland		fallow land & old fields (bare)
	open woodland		residential formal (tree)
	contiguous & dense plantation forest		residential formal (bush)
	open & sparse plantation forest		residential formal (low veg / grass)
	sparsely wooded grassland		residential formal (bare)
	natural grassland		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)
	eroded lands		smallholdings (tree)
	other bare		smallholdings (bush)
	cultivated permanent orchards		smallholdings (low veg / grass)
	commercial annual crops pivot irrigated		smallholdings (bare)
	commercial annual crops non-pivot irrigated		urban recreational fields (tree)
	commercial annual crops rain-fed / dryland		urban recreational fields (bush)
	subsistence / small-scale annual crops		urban recreational fields (grass)
	fallow land & old fields (trees)		commercial
	fallow land & old fields (bush)		industrial
	fallow land & old fields (wetlands)		roads & rails (major linear)
			mines: extraction pits, quarries

PalRho Prospecting Right Application

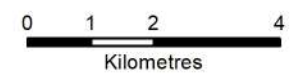
Lisbon 288 Landcover

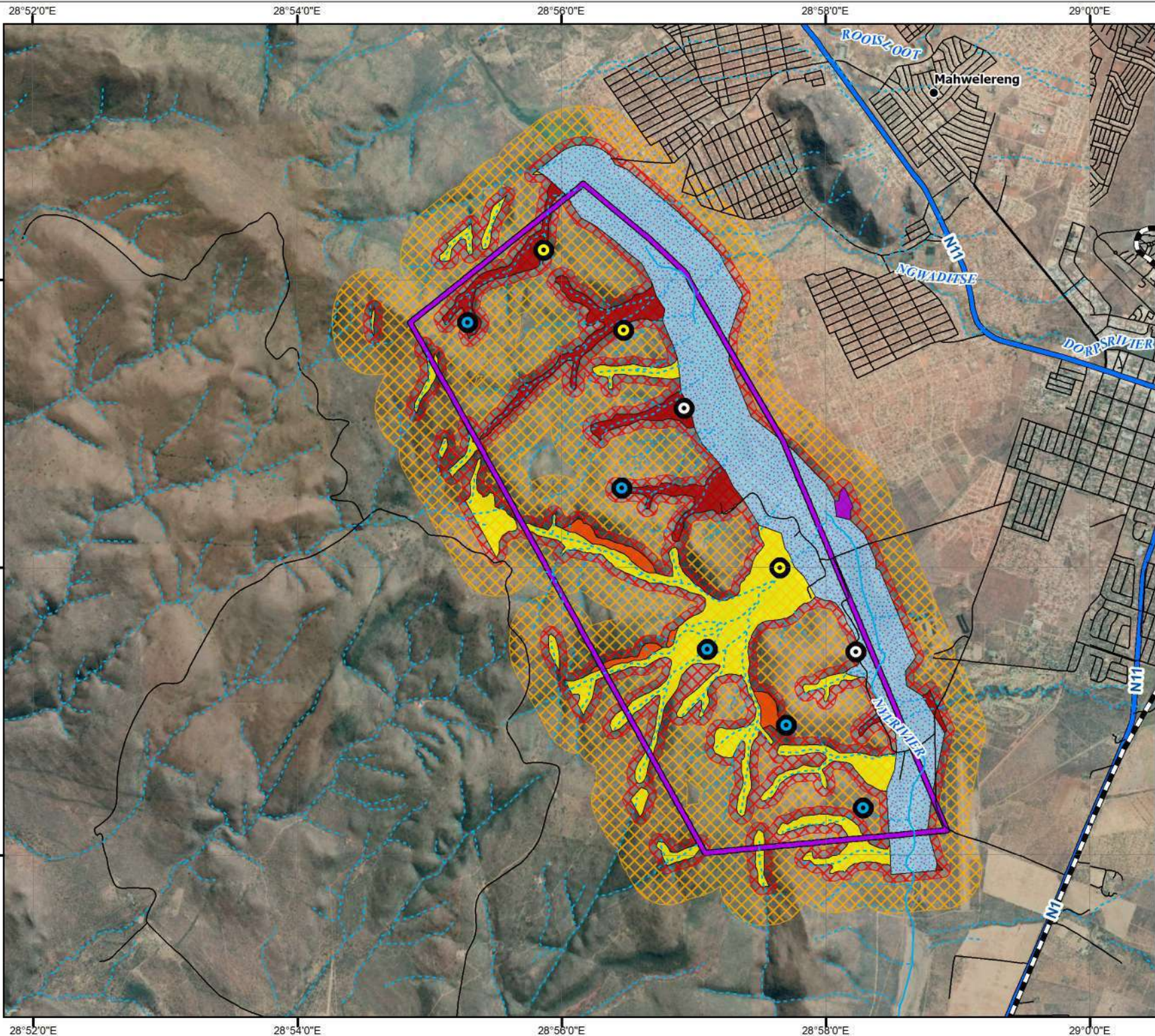
Legend

- Secondary Town
- Settlement
- Railway Line
- National Route
- Main Road
- Secondary Road
- Street
- Non-Perennial River/Stream
- Perennial River/Stream
- Lisbon 288



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 16/02/2021
 Ref #: PAL6882_W_20_PC





PalRho Prospecting Right Application

Lisbon 288 Composite Map

Legend

- Settlement
- Phase 1
- Phase 2
- Phase 3
- Railway Line
- National Route
- Secondary Road
- Street
- - - Non-Perennial River/Stream
- Perennial River/Stream
- Wetland Buffer Extent**
- ▨ 100m
- ▨ 500m
- HGM Units**
- Channeled Valley Bottom
- Floodplain
- Seep
- Unchanneled Valley Bottom
- Unchanneled Valley Bottom / Seep
- ▭ Lisbon 288



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 26/02/2021
 Ref #: PAL6882_W_31_PC

