

Sasol Twistdraai Export Plant Regional Setting

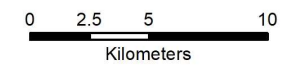
Legend

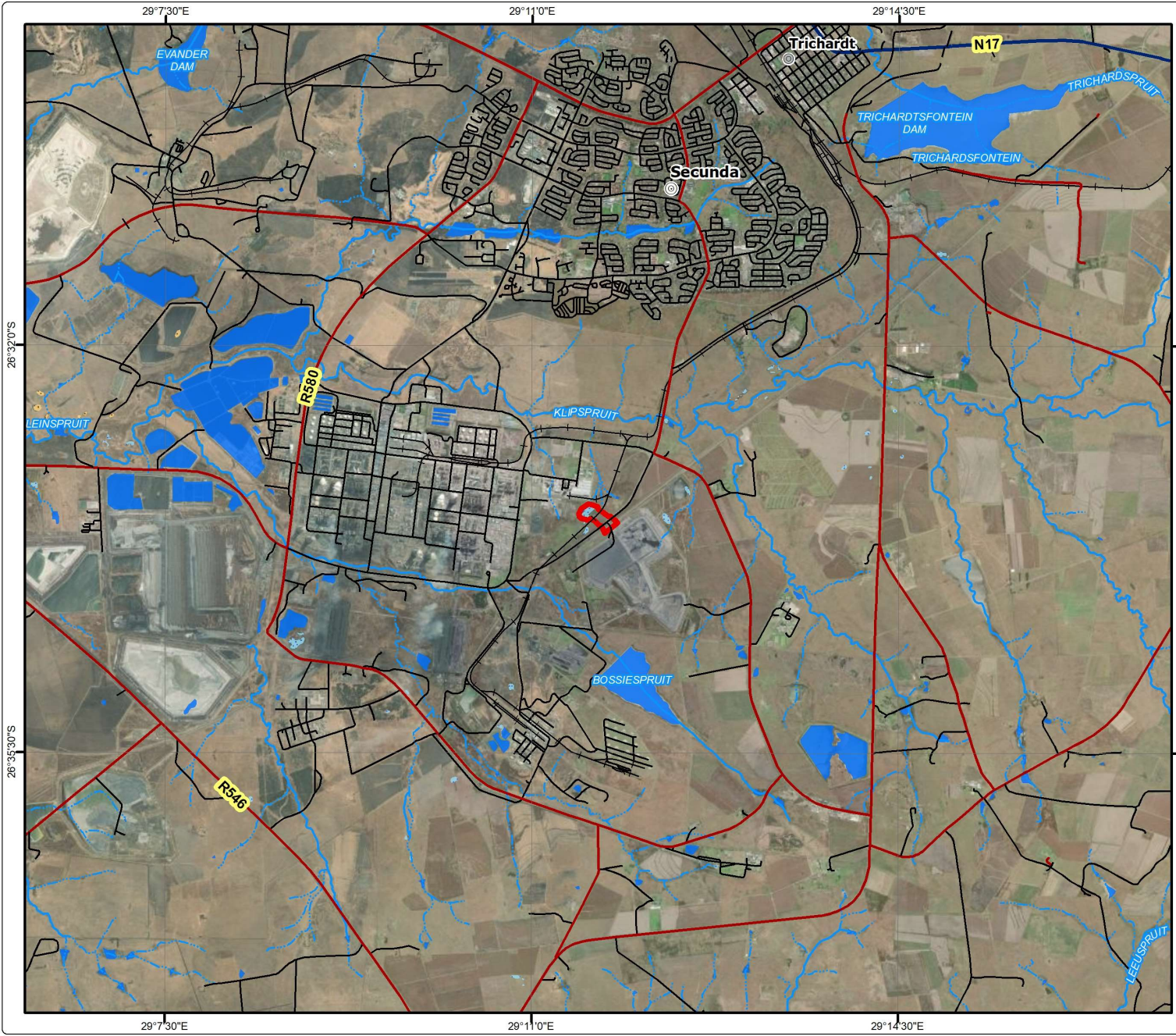
- Project Location
- Major Town
- Secondary Town
- Other Town
- Settlement
- Main Road
- National Road
- Railway Line
- Perennial Stream
- Dam / Lake
- District Municipality Boundary (2016)
- Local Municipality Boundary (2016)



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Projection: Transverse Mercator
Datum: WGS 1984
Central Meridian: 29°E
Date: 16/03/2021
Ref #: SAS6986_01_KWT





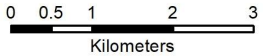
Sasol Twistdraai Export Plant Local Setting

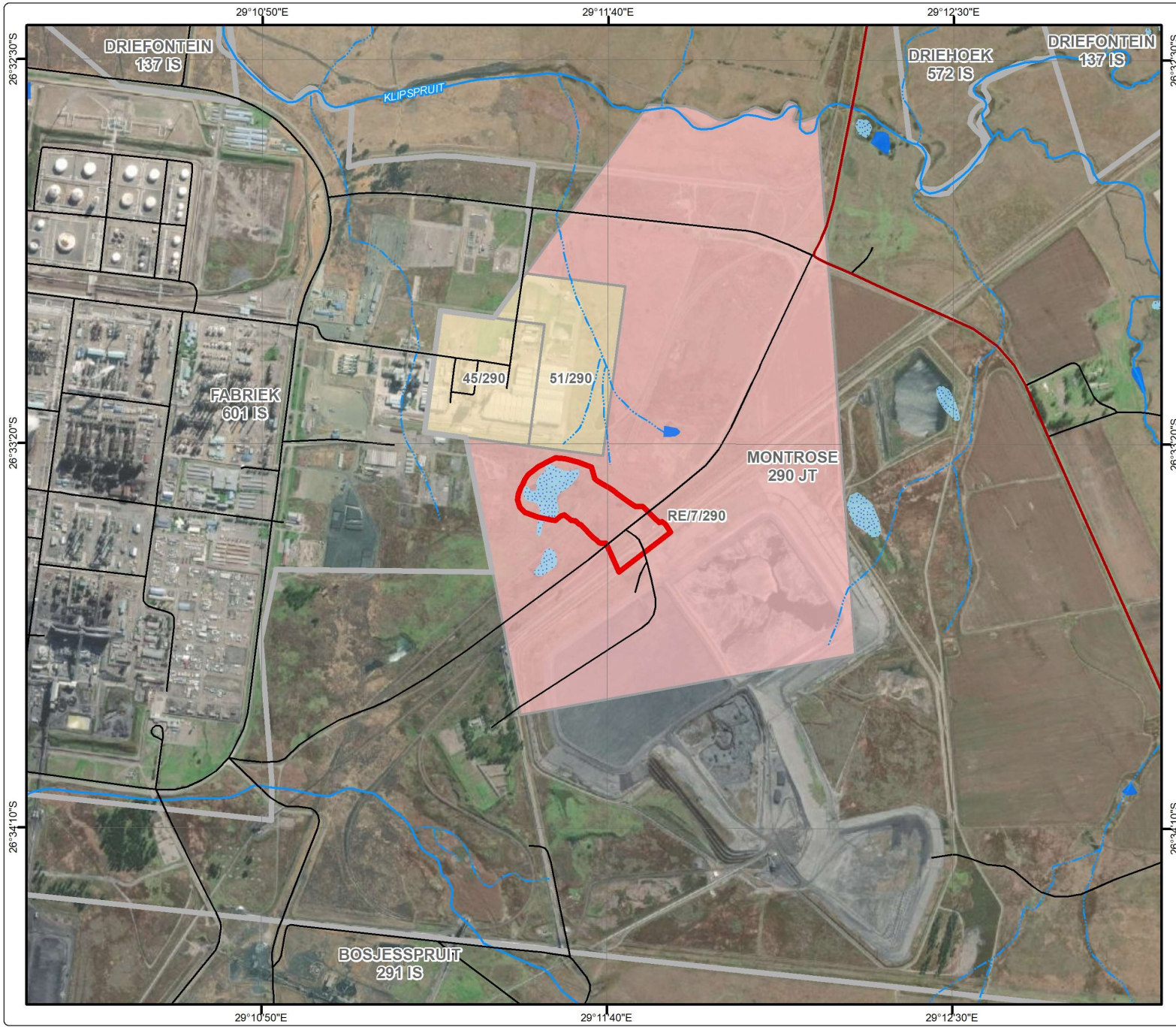
Legend

- Project Area
- Secondary Town
- Other Town
- National Road
- Main Road
- Street
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam / Lake
- Non-Perennial Pan
- Perennial Pan



Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 13/03/2021
 Ref #: SAS6986_02_KWT






Sasol Twistdraai Export Plant


Land Tenure


- Legend**
- Project Area
 - Main Road
 - Street
 - Non-Perennial Stream
 - Perennial Stream
 - Dam / Lake
 - Perennial Pan
- Land Tenure**
- Directly Affected
 - Indirectly Affected
 - Farm Boundary



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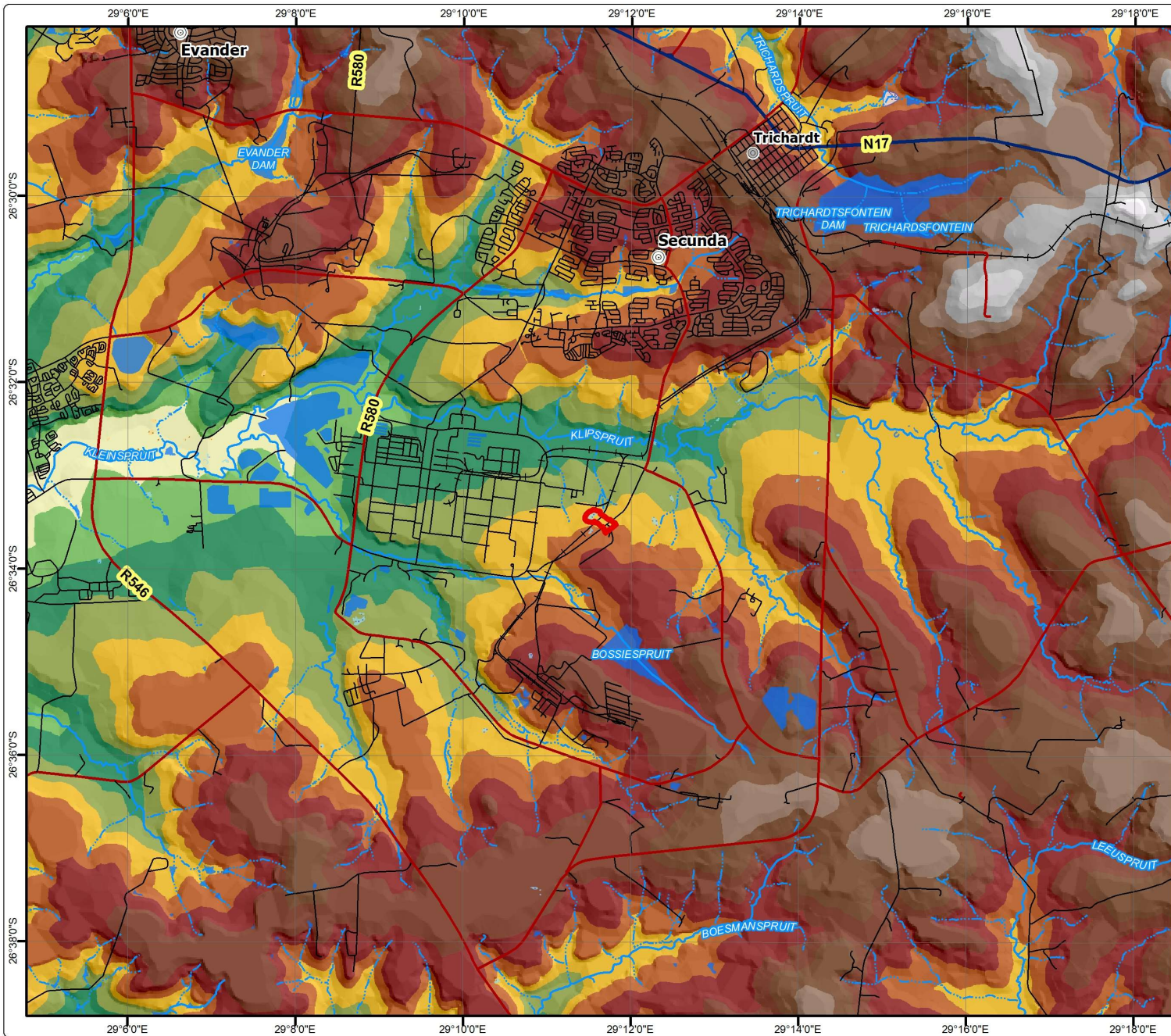
Projection: Transverse Mercator
 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 10/03/2021
 Ref #: SAS6986_PP_01_KR





0 200 400 800
Metres

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Sasol Twistdraai Export Plant

Regional Topography

Legend

- Project Area
- Secondary Town
- Other Town
- National Road
- Main Road
- Street
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam / Lake
- Marsh / Swamp
- Non-Perennial Pan
- Perennial Pan

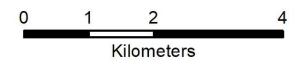
Elevation (mamsl)

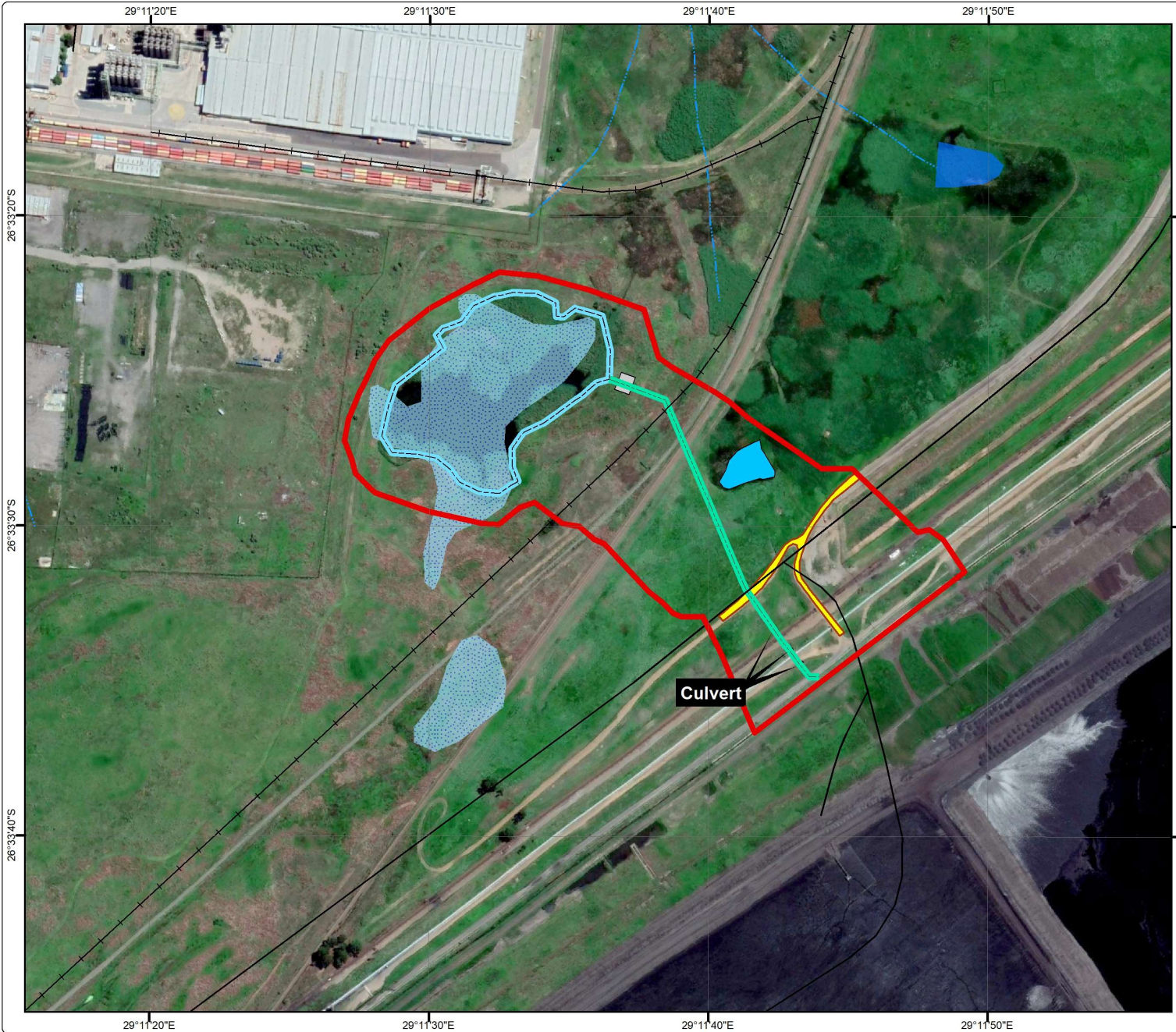
- 1560.1 - 1570
- 1570.1 - 1580
- 1580.1 - 1590
- 1590.1 - 1600
- 1600.1 - 1610
- 1610.1 - 1620
- 1620.1 - 1630
- 1630.1 - 1640
- 1640.1 - 1650
- 1650.1 - 1660
- 1660.1 - 1670
- 1670.1 - 1680
- 1680.1 - 1690



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Sasol Twistdraai Export Plant

Proposed Infrastructure

Legend

- Project Area
- Street
- Railway Line
- Non-Perennial Stream
- Dam / Lake
- Perennial Pan
- Proposed Pipeline
- New Dry Well
- Culvert
- Existing Dam
- Wille Se Gat Dam

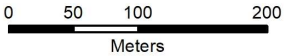
Proposed Infrastructure

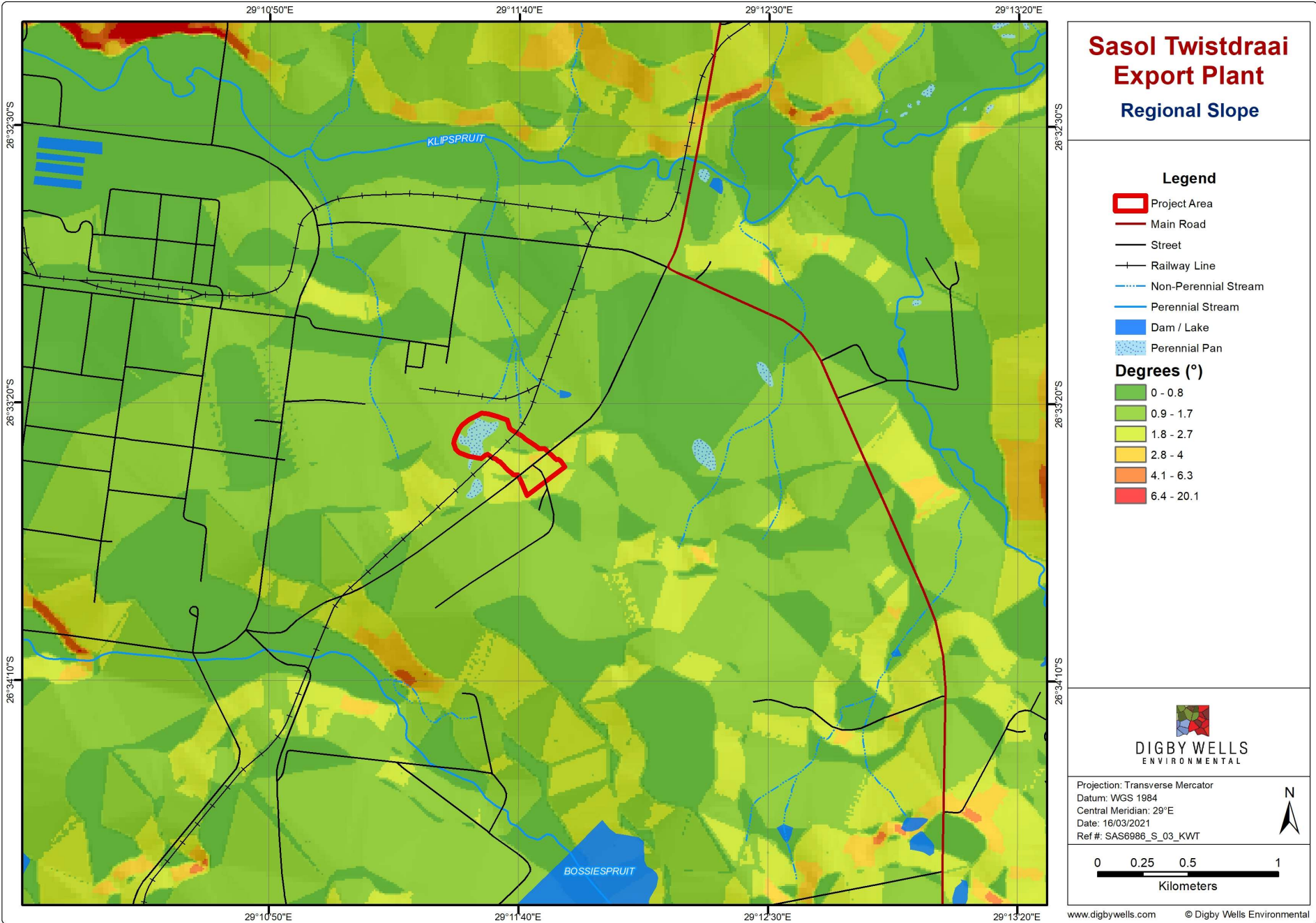
- Proposed Pipeline
- New Dry Well
- Culvert
- Existing Dam
- Roads
- Wille Se Gat Dam



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Sasol Twistdraai Export Plant

Regional Slope

Legend

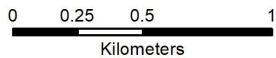
- Project Area
- Main Road
- Street
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam / Lake
- Perennial Pan

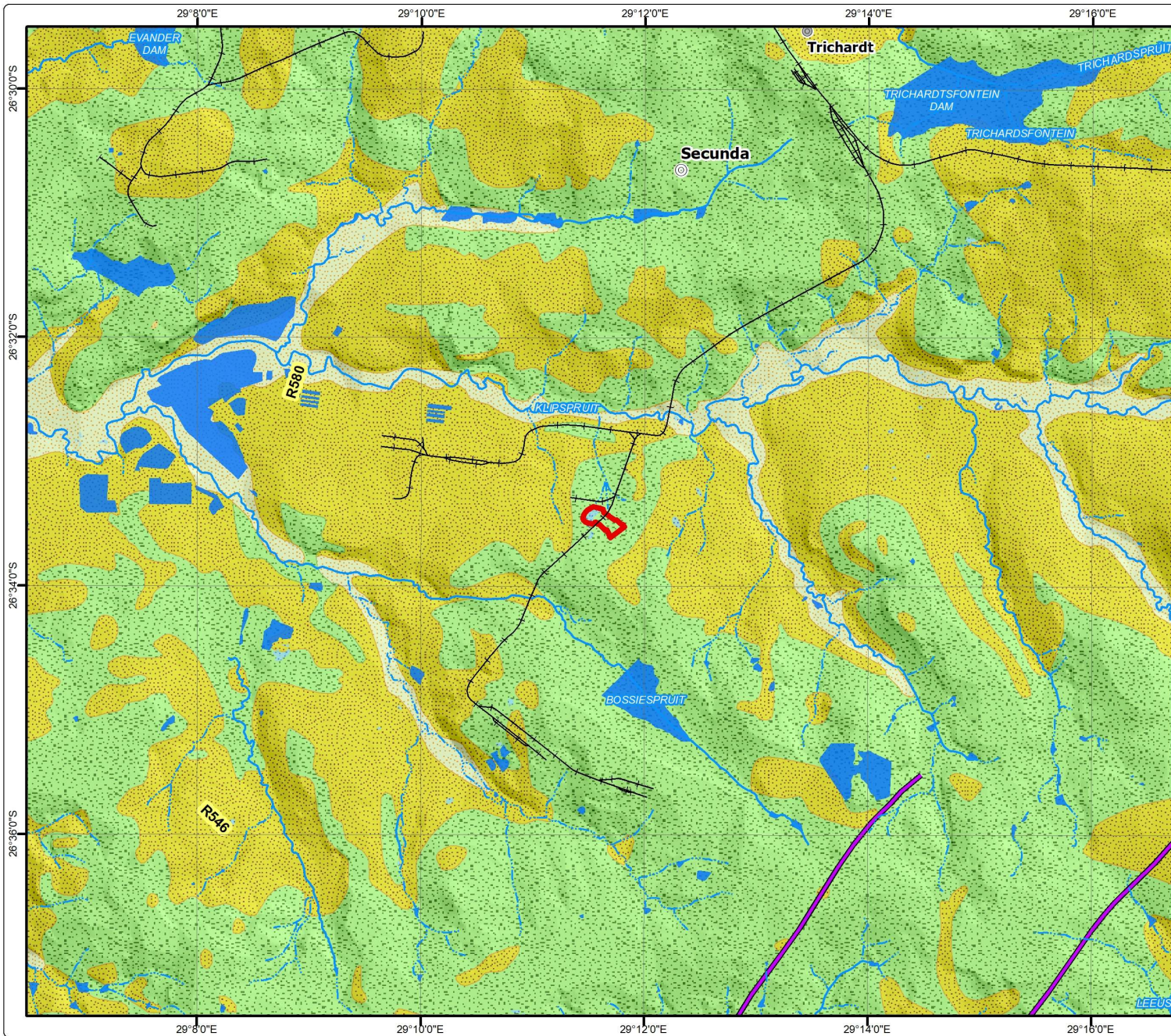
Degrees (°)

- 0 - 0.8
- 0.9 - 1.7
- 1.8 - 2.7
- 2.8 - 4
- 4.1 - 6.3
- 6.4 - 20.1



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Regional Geology

Legend

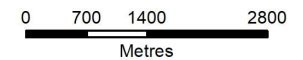
- Project Area
- Secondary Town
- Other Town
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam / Lake
- Non-Perennial Pan
- Perennial Pan
- Structural Feature

Lithology

- Alluvium
- Fine- to coarse-grained sandstone, shale, coal seams
- Network of dolerite sills, sheets and dykes, mainly intrusive into the Karoo Supergroup



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Sasol Twistdraai Export Plant

Soil Delineation

Legend

- Project Area
- Soil Field Survey Locations
- Soil Sampling Locations
- Main Road
- Street
- Railway Line
- Non-Perennial Stream
- Dam / Lake
- Perennial Pan

Soil Delineations

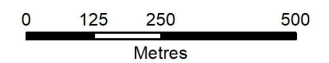
Soil Type

- Arcadia
- Rensburg
- Witbank



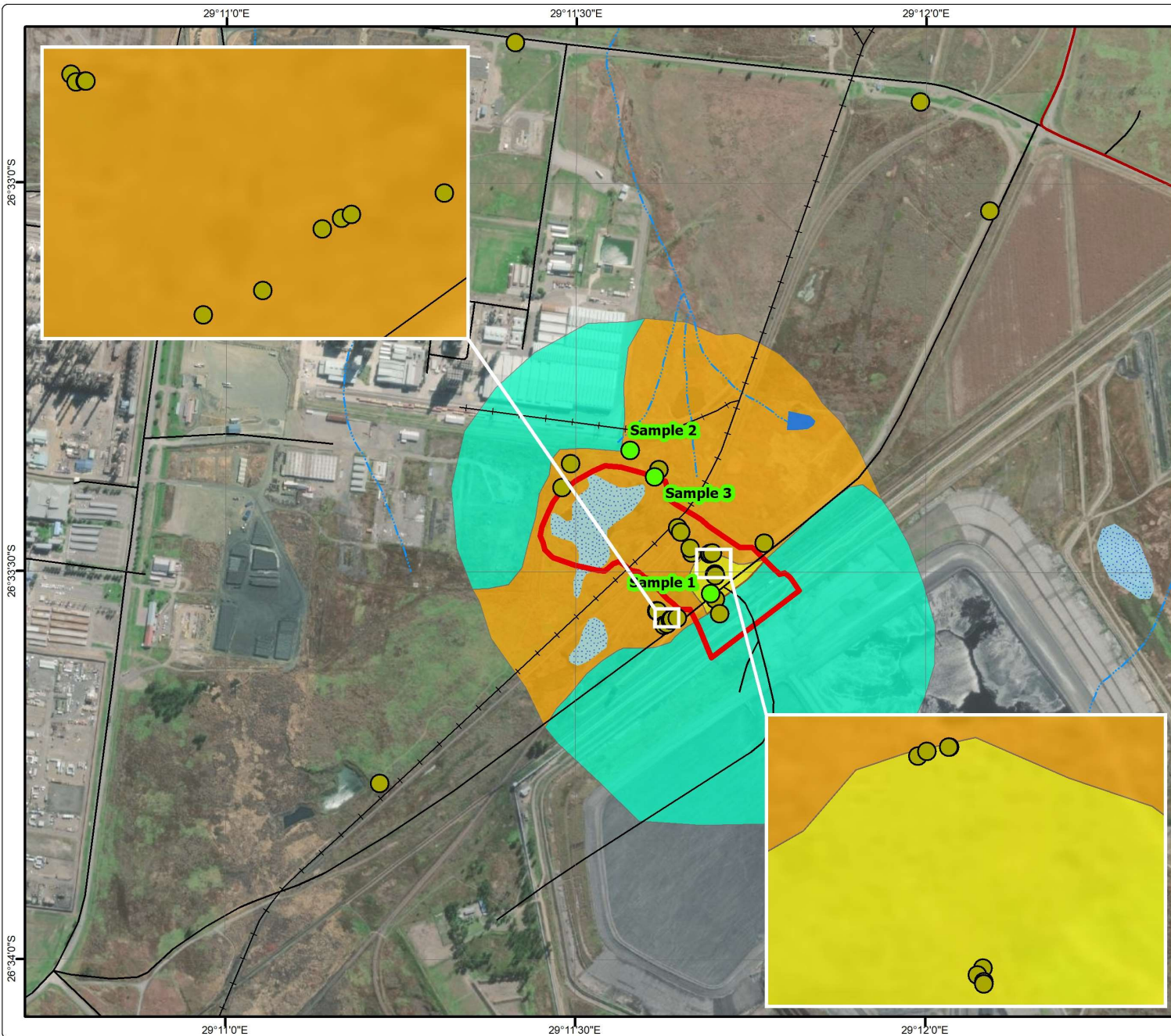
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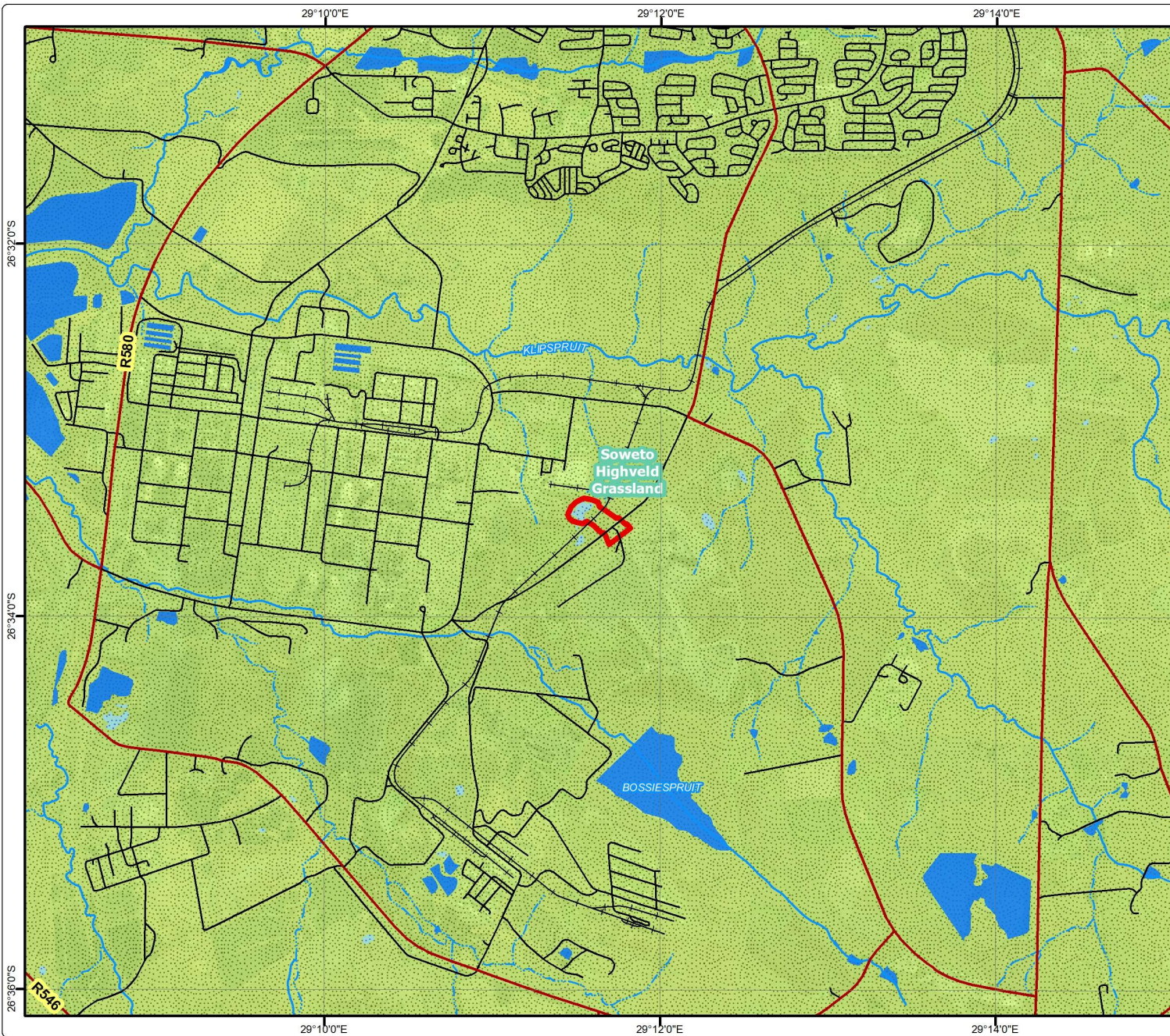
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Sasol Twistdraai Export Plant Regional Vegetation

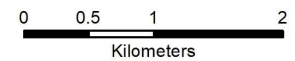
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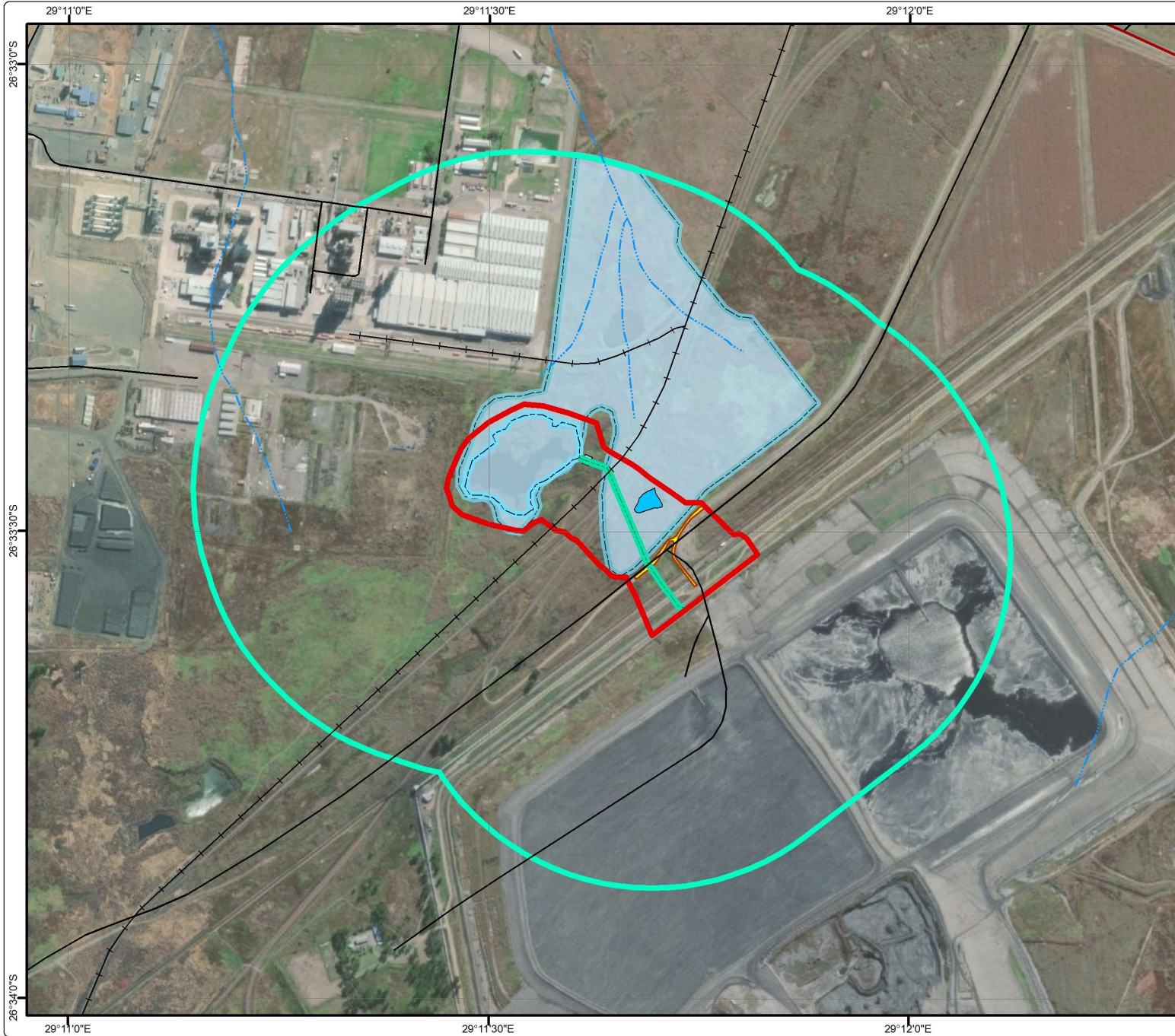
- Project Area
 - Main Road
 - Street
 - Railway Line
 - Non-Perennial Stream
 - Perennial Stream
 - Dam / Lake
 - Perennial Pan
- Vegetation Type (Mucina & Rutherford, 2012)**
- Soweto Highveld Grassland



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Sasol Twistdraai Export Plant Wetland Delineation

Legend

-  Project Area
-  Main Road
-  Street
-  Railway Line
-  Non-Perennial Stream
-  Proposed Pipeline
-  New Dry Well
-  Culvert
-  Existing Dam
-  Roads
-  Wille Se Gat Dam
-  500m Buffer of Project Area

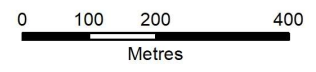
Wetland Delineation

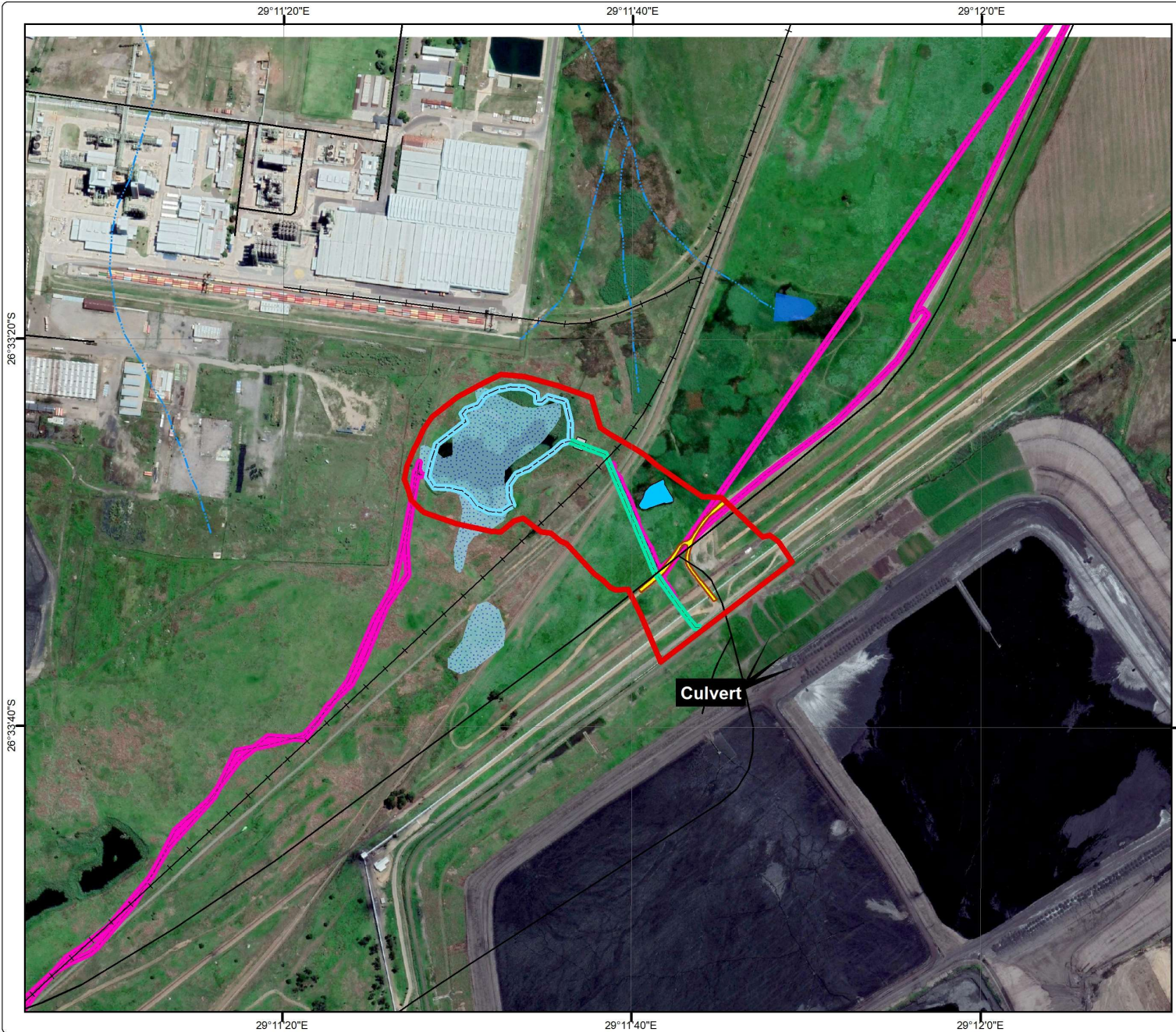
- HGM**
-  Unchannelled Valley Bottom



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Sasol Twistdraai Export Plant

Pre-Disturbance Survey

Legend

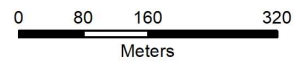
- Project Area
- Field Survey
- Street
- Railway Line
- Non-Perennial Stream
- Dam / Lake
- Perennial Pan
- Proposed Infrastructure**
- Proposed Pipeline
- New Dry Well
- Culvert
- Existing Dam
- Roads
- Wille Se Gat Dam

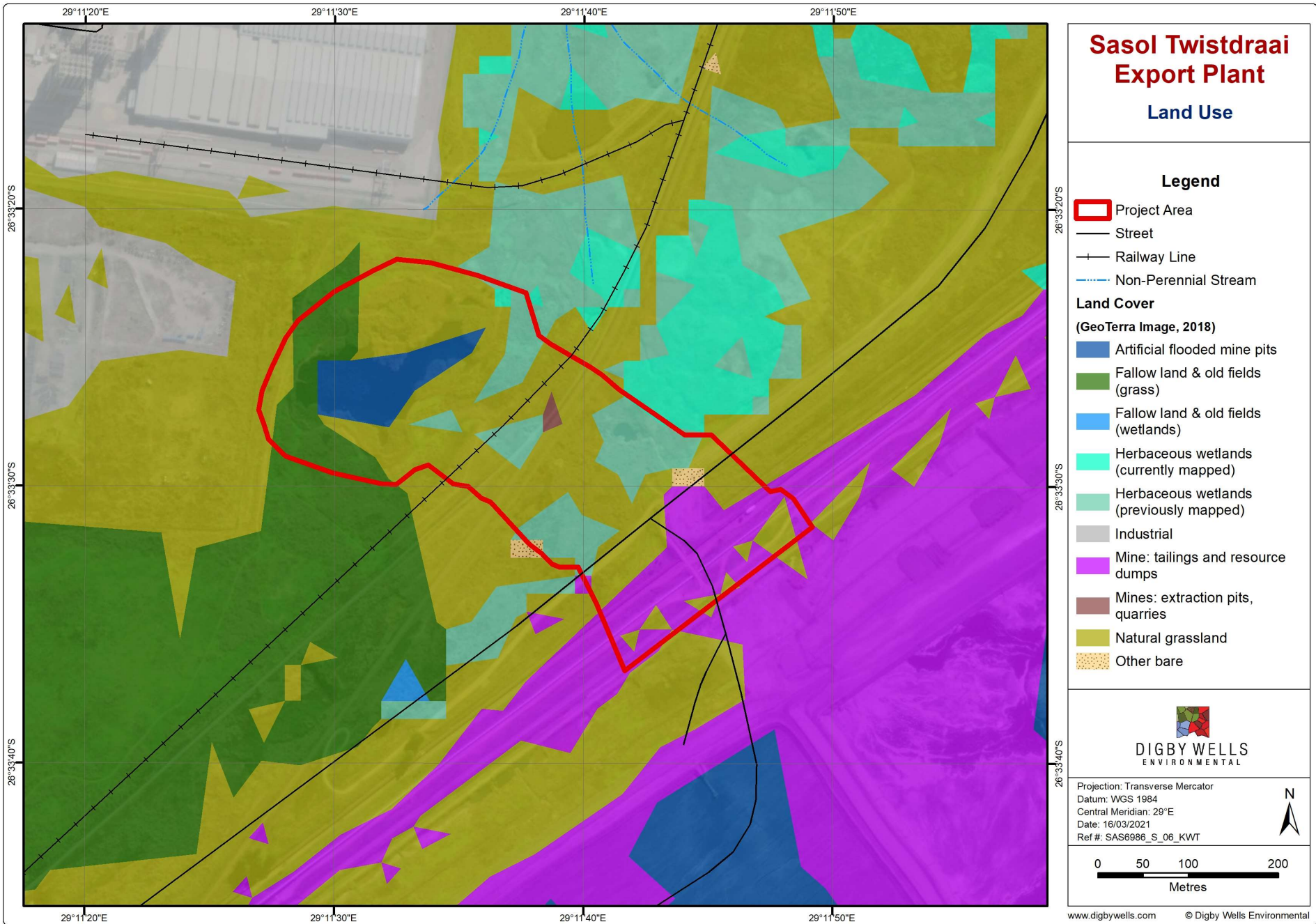
Culvert



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Land Use

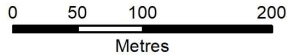
Legend

- Project Area
 - Street
 - Railway Line
 - Non-Perennial Stream
- Land Cover**
(GeoTerra Image, 2018)
- Artificial flooded mine pits
 - Fallow land & old fields (grass)
 - Fallow land & old fields (wetlands)
 - Herbaceous wetlands (currently mapped)
 - Herbaceous wetlands (previously mapped)
 - Industrial
 - Mine: tailings and resource dumps
 - Mines: extraction pits, quarries
 - Natural grassland
 - Other bare



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Sasol Twistdraai Export Plant

Composite Map

Legend

-  Project Area
-  Main Road
-  Street
-  Railway Line
-  Non-Perennial Stream

Wetland Delineation

- HGM**
-  Unchannelled Valley Bottom



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 Datum: WGS 1984
 Central Meridian: 29°E
 Date: 30/04/2021
 Ref #: SAS6986_PC

