

**LEGEND**

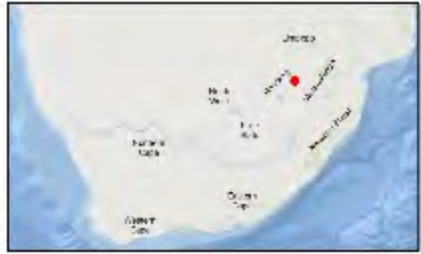
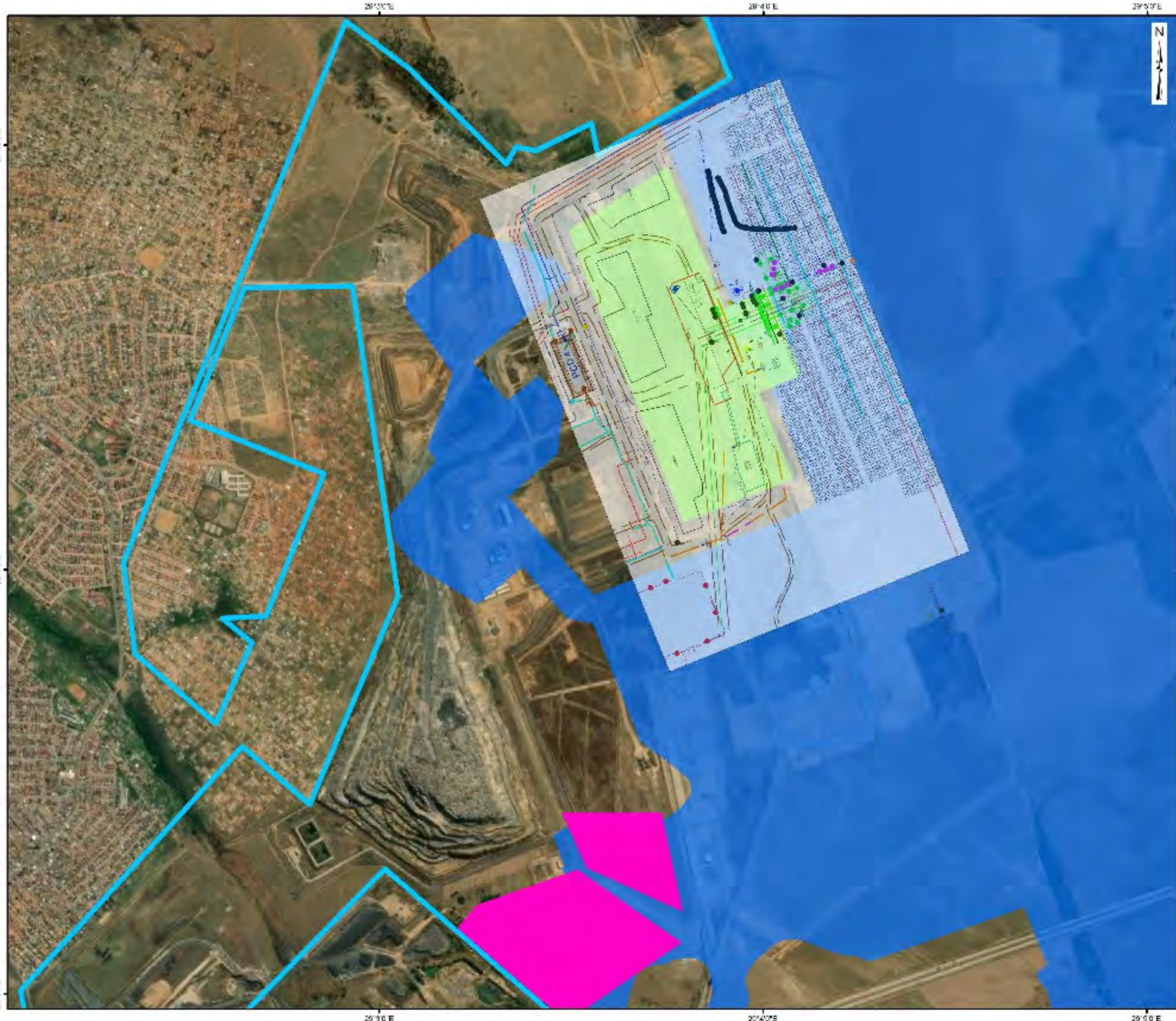
US Pit	Soil 1-10
DC PL/SD	Soil 0-10
DC PL/SS	Contours 1-2
Portals 14-16	LongDashed, 1-3
KPS Main OC PP	Medium-Dashed, 5-7
KPSS DC Mining Area	LongDashed, 7-9
KPSS US Mining Area	Soil 1-10
KPSX US Mining Area	Soil 0-10
KPS Mining Royal Boundary	Soil 0-1
<b>BD Portal Infrastructure</b>	LongDashed, 6-8
Soil 0-0	LongDashed, 10-8
Soil 2-2	LongDashed, 20-4
Soil 1-1	LongDashed, 1-1
Soil 1-2	LongDashed, 100-2
Soil 1-1	Soil 10-0
Soil 8-1	Soil 10-1
Soil 0-2	Soil 10-2
Soil 20-0	Soil 10-1
Soil 20-1	Soil 10-2
Soil 7-9	LongDashed, 20-2
ECR, Slope 2, 1-0	LongDashed, 20-4
ECR, Slope 1, 2000-0	LongDashed, 4-8
Soil 7-0	Soil 0-0
Soil 000-1	Soil 10-0
Contours, 4-0	Contours, 1-2
Soil 7-1	LongDashed, 1-2
Contours, 0-0	LongDashed, 1-1
Contours, 0-8	Soil 10-1
Soil 240-0	Soil 10-1
Contours, 5-2	Soil 4-0
Contours, 6-0	Soil 24-0
Soil 0-2	Soil 1-0
Soil 0-4	Soil 4-1
Soil 30-4	Soil 4-1
Soil 80-2	Soil 241-0
Soil 0-0	LongDashed, 241-2
Soil 144-0	Soil 0-0
LongDashed, 0-1	Soil 0-7
LongDashed, 0-0	Medium-Dashed, 0-0
Medium-Dashed, 0-5	Soil 0-0
LongDashed, 0-2	LongDashed, 1-0
Soil 0-7	Soil 0-1
Soil 11-0	LongDashed, 20-5
LongDashed, 7-1	Soil 1-0
Soil 2-1	Soil 0-0
	Soil 0-0

**PROJECT**  
**KPSS and KPSX -Nwabu Project**

**TITLE**  
**Infrastructure Layout**

Nlara  
 Environmental Consultants

DATE	07/2023
SCALE	1:5000
REFERENCE	1642254_11226



**LEGEND**

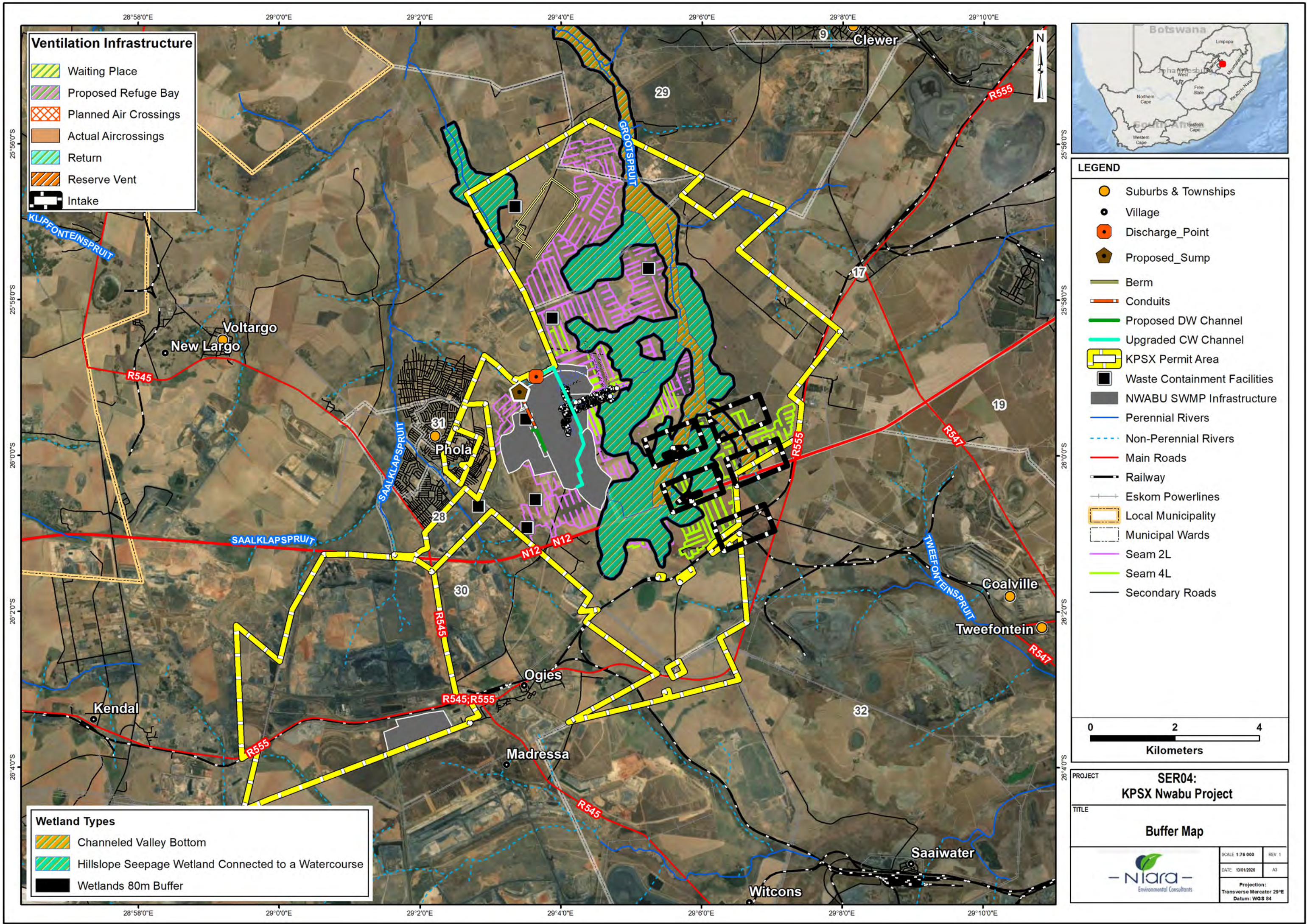
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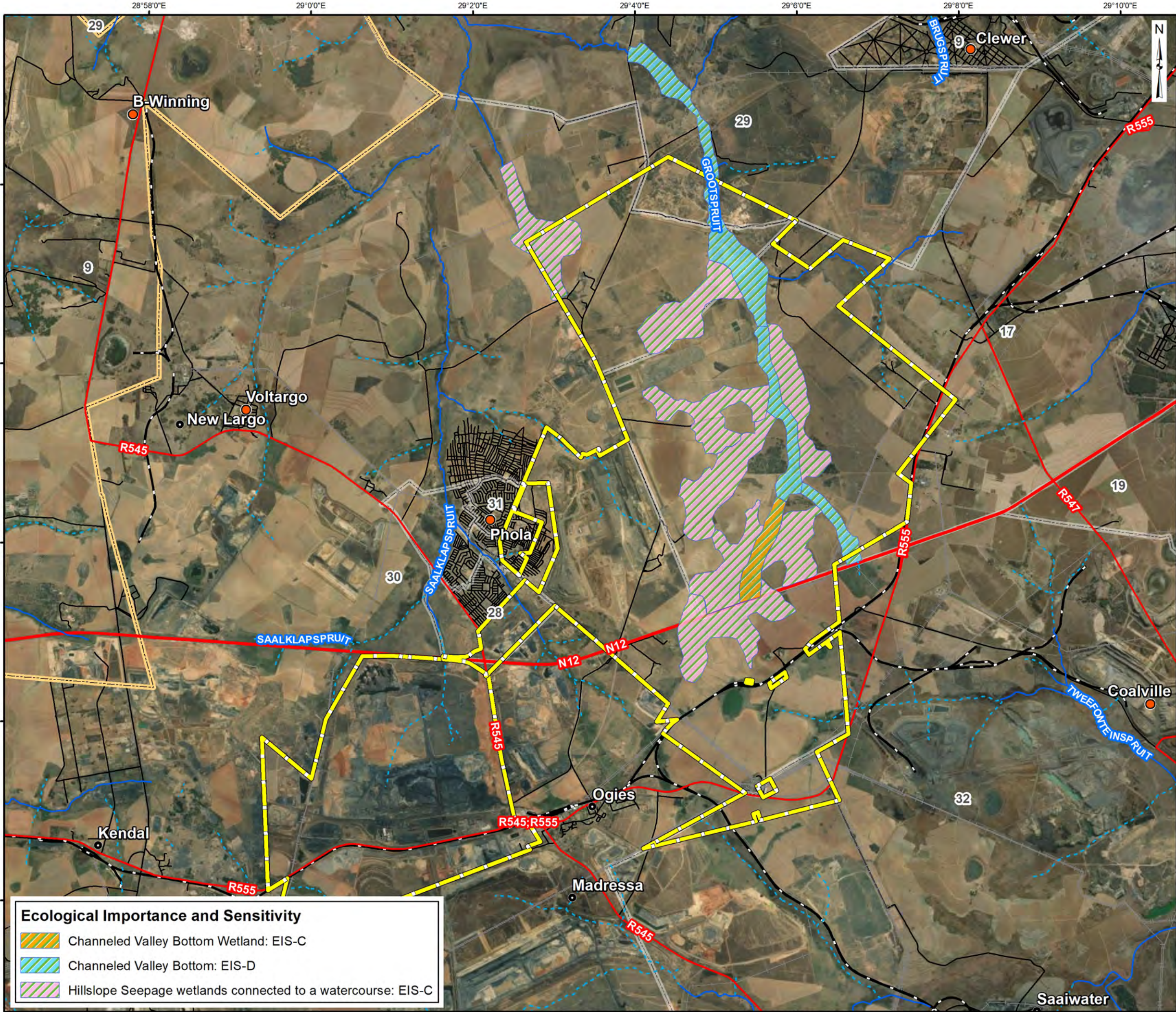
**PROJECT**  
**KPSS and KPSX -Nwabu Project**

**TITLE**  
**Infrastructure Layout**

**REFERENCE**  
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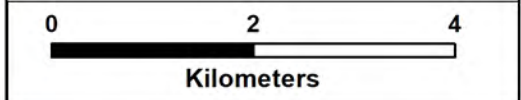
**Logo:** Nlara - Environmental Consultants





**LEGEND**

- Suburbs & Townships
- Village
- Perennial Rivers
- - - Non-Perennial Rivers
- Main Roads
- Secondary Roads
- Railway
- Eskom Powerlines
- KPSX Permit Area
- Municipal Wards
- Local Municipality



**Ecological Importance and Sensitivity**

- Channeled Valley Bottom Wetland: EIS-C
- Channeled Valley Bottom: EIS-D
- Hillslope Seepage wetlands connected to a watercourse: EIS-C

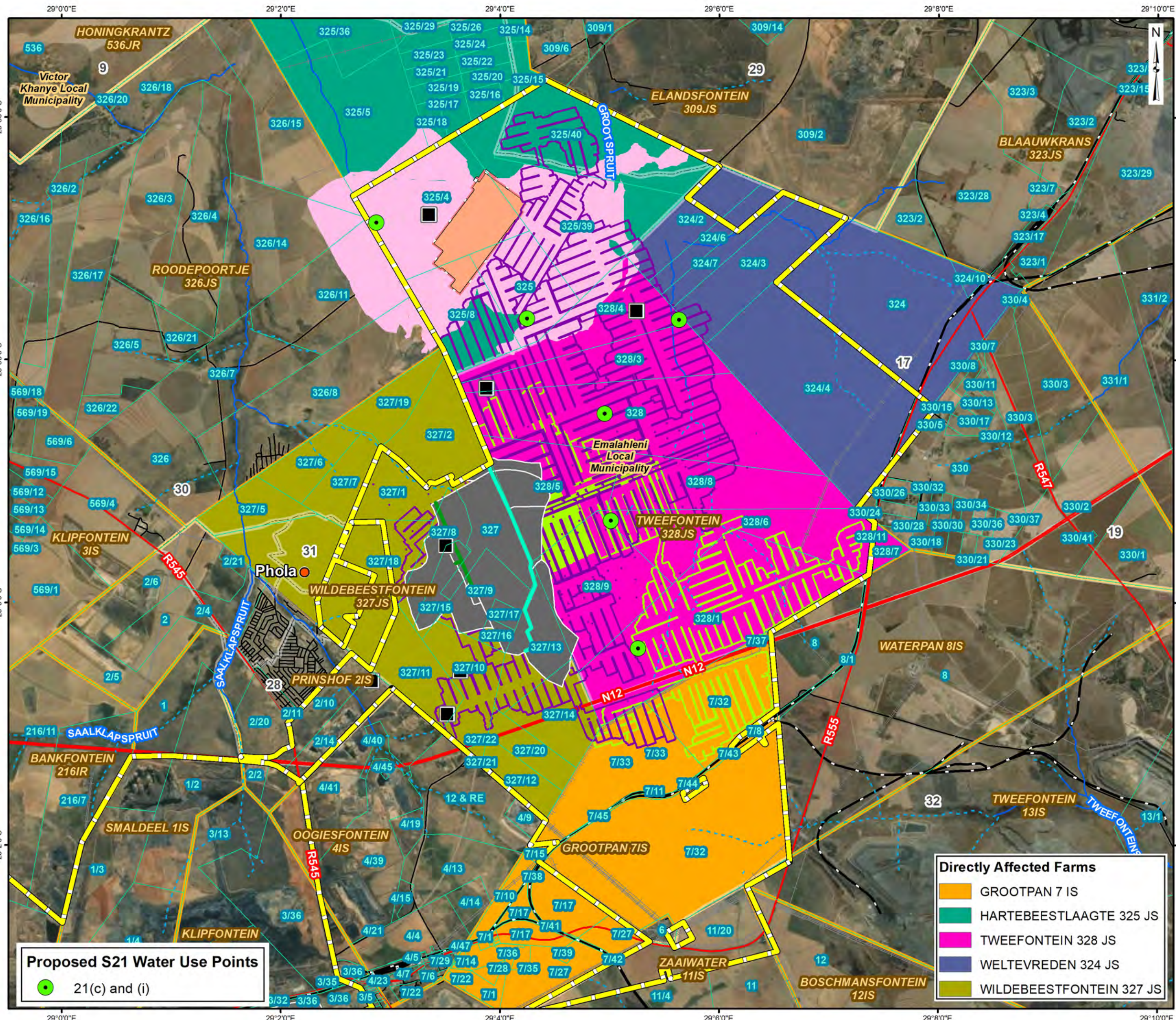
PROJECT: **SER04: KPSX Nwabu Project**

TITLE: **Ecological Importance & Sensitivity Map**

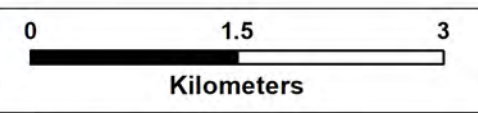
SCALE: 1:75 000    REV: 1

DATE: 13/01/2026    A3

Projection: Transverse Mercator 29°E  
Datum: WGS 84



- LEGEND**
- Suburbs & Townships
  - Village
  - KPSX Permit Area
  - Farm portions
  - Waste Containment Facilities
  - Proposed DW Channel
  - Upgraded CW Channel
  - NWABU SWMP Infrastructure
  - Seam 2L
  - Pit H CW Area
  - Pit H DW Area
  - Seam 4L
  - Perennial Rivers
  - Non-Perennial Rivers
  - Main Roads
  - Railway
  - Eskom Powerlines
  - Local Municipality
  - Municipal Wards
  - Farm Boundaries
  - Secondary Roads



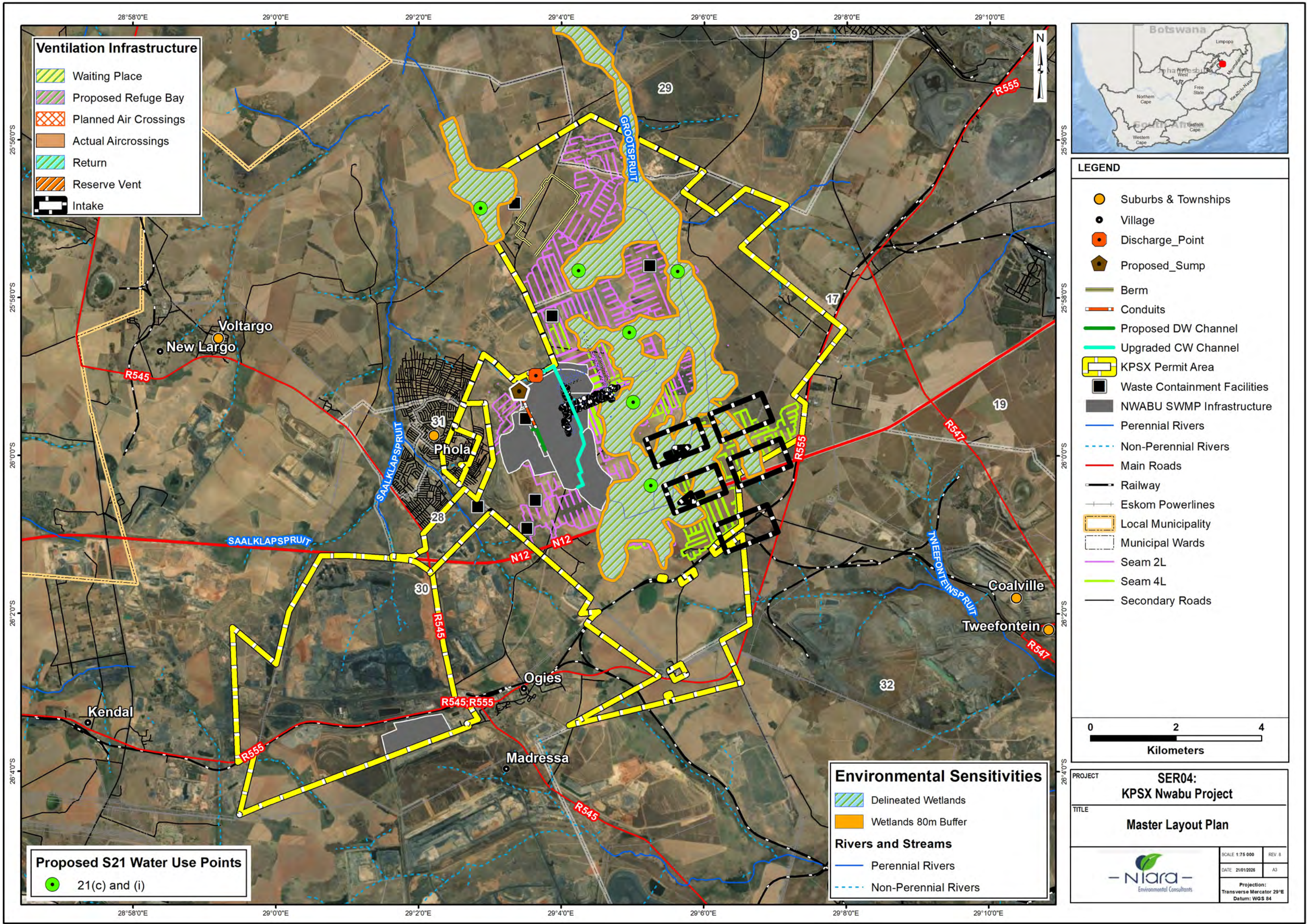
**Proposed S21 Water Use Points**

● 21(c) and (i)

**Directly Affected Farms**

- GROOTPAN 7 IS
- HARTEBEESTLAAGTE 325 JS
- TWEEFONTEIN 328 JS
- WELTEVREDEN 324 JS
- WILDEBEESTFONTEIN 327 JS

PROJECT	<b>SER04: KPSX Nwabu Project</b>		
TITLE	<b>Land Tenure Map</b>		
		SCALE: 1:55 000	REV: 4
		DATE: 21/01/2025	A3
Projection: Transverse Mercator 29°E Datum: WGS 84			



**LEGEND**

- Suburbs & Townships
- Village
- Discharge\_Point
- Proposed\_Sump
- Berm
- Conduits
- Proposed DW Channel
- Upgraded CW Channel
- KPSX Permit Area
- Waste Containment Facilities
- NWABU SWMP Infrastructure
- Perennial Rivers
- Non-Perennial Rivers
- Main Roads
- Railway
- Eskom Powerlines
- Local Municipality
- Municipal Wards
- Seam 2L
- Seam 4L
- Secondary Roads

0 2 4  
Kilometers

PROJECT **SER04: KPSX Nwabu Project**

TITLE **Master Layout Plan**

SCALE: 1:75 000 REV: 8

DATE: 21/01/2025 A3

Projection: Transverse Mercator 29°E Datum: WGS 84

**Ventilation Infrastructure**

- Waiting Place
- Proposed Refuge Bay
- Planned Air Crossings
- Actual Aircrossings
- Return
- Reserve Vent
- Intake

**Environmental Sensitivities**

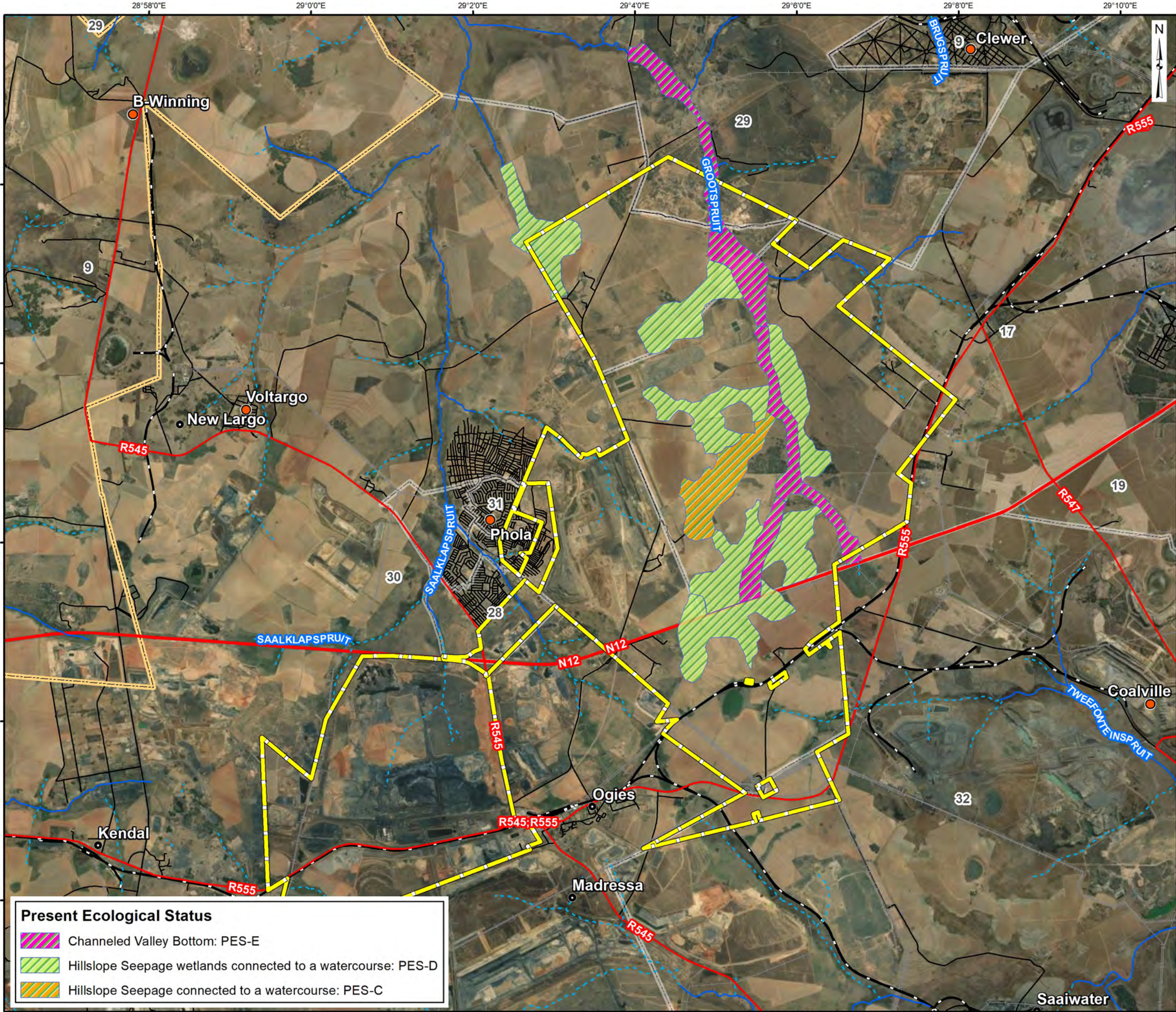
- Delineated Wetlands
- Wetlands 80m Buffer

**Rivers and Streams**

- Perennial Rivers
- Non-Perennial Rivers

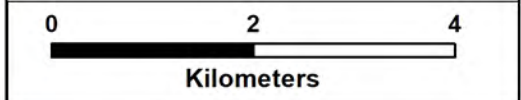
**Proposed S21 Water Use Points**

- 21(c) and (i)



**LEGEND**

- Suburbs & Townships
- Village
- Perennial Rivers
- - - Non-Perennial Rivers
- Main Roads
- Secondary Roads
- Railway
- Eskom Powerlines
- KPSX Permit Area
- Municipal Wards
- Local Municipality



**Present Ecological Status**

- Channeled Valley Bottom: PES-E
- Hillslope Seepage wetlands connected to a watercourse: PES-D
- Hillslope Seepage connected to a watercourse: PES-C

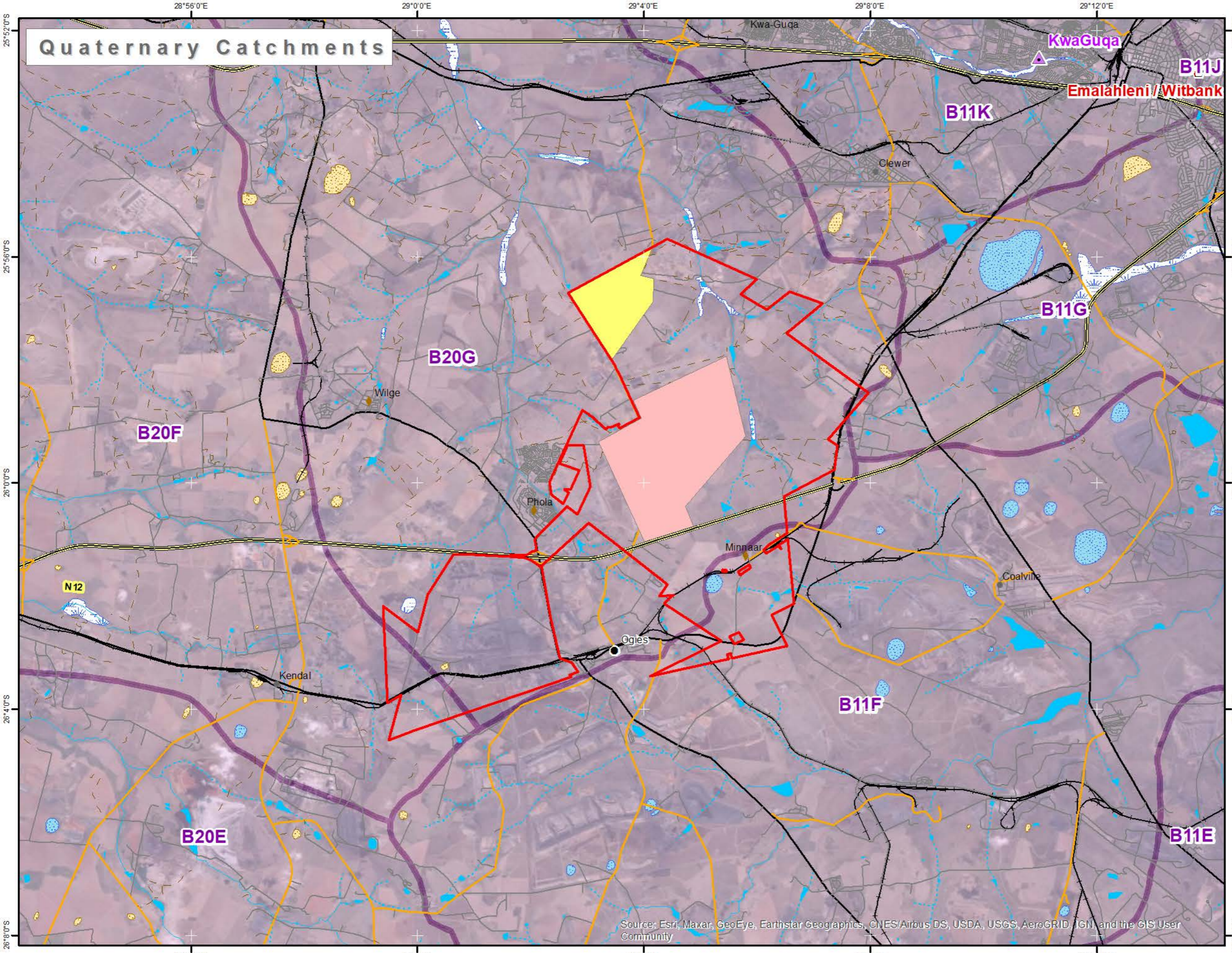
**PROJECT** SER04:  
KPSX Nwabu Project

**TITLE** Wetlands Present Ecological Status

**Scale:** 1:75 000    **Rev:** 1

**Date:** 13/01/2026    **A3**

**Projection:** Transverse Mercator 29°E  
**Datum:** WGS 84



### Legend

- Mining Right Boundary
- Pit H
- Pit BD: Original Boundary
- ♦ Capital City
- ▲ Major Town
- Secondary Town
- Other Town
- ◆ Settlement
- National Road
- Secondary Road
- Main Road
- Arterial Road
- Railway
- Perennial River
- Non-Perennial River
- Perennial Pan
- Non-Perennial Pan
- Dam
- Quaternary Catchments

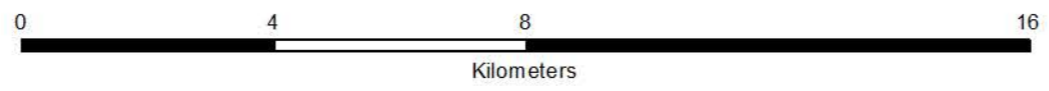


Project:

**KPS EIA Alignment**

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

**DISCLAIMER**  
 Although every effort has been made to ensure the accuracy of this map, the author cannot be held liable for any loss or damage resulting from its use. This map must not be considered an authority on the delimitation of international and other boundaries.

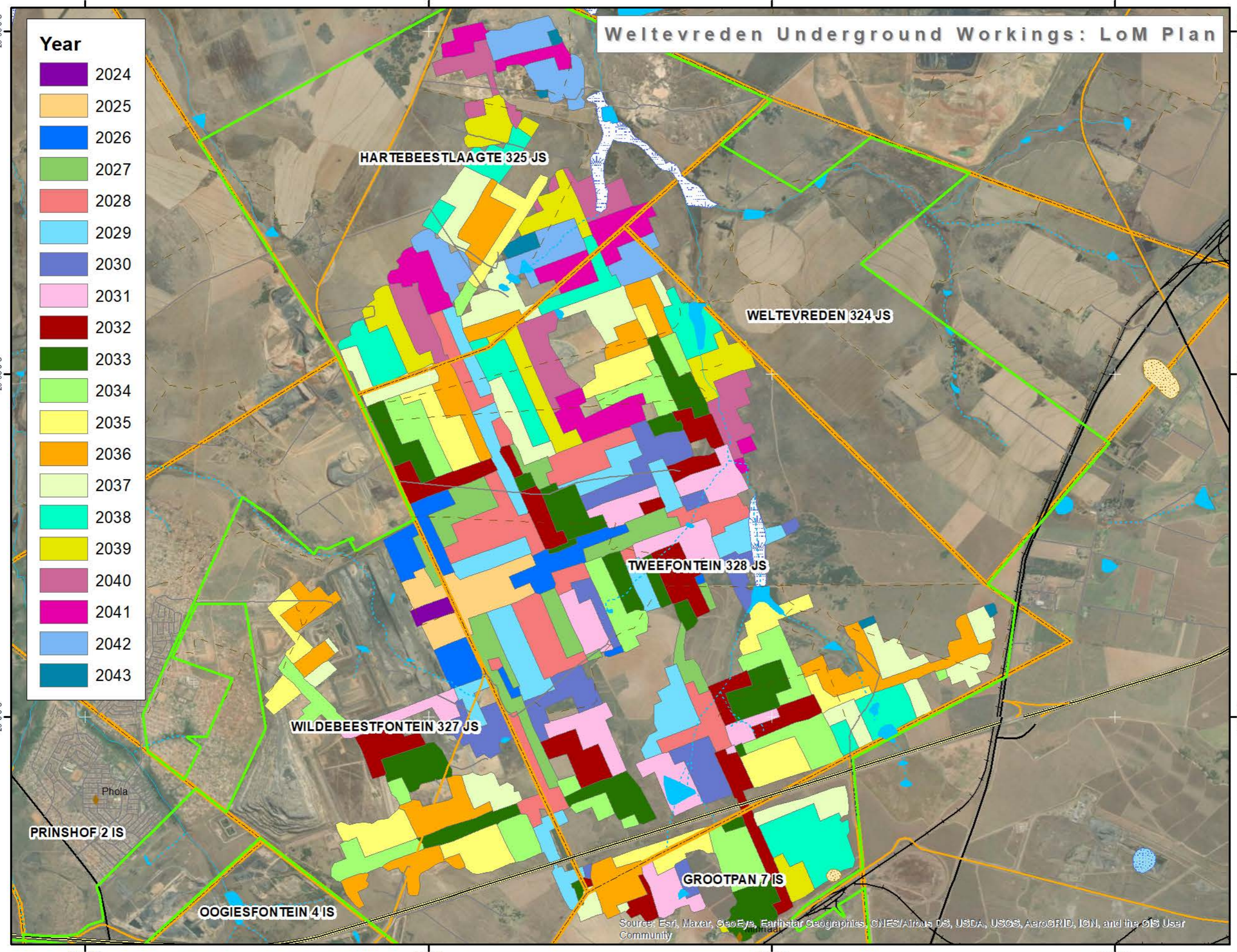
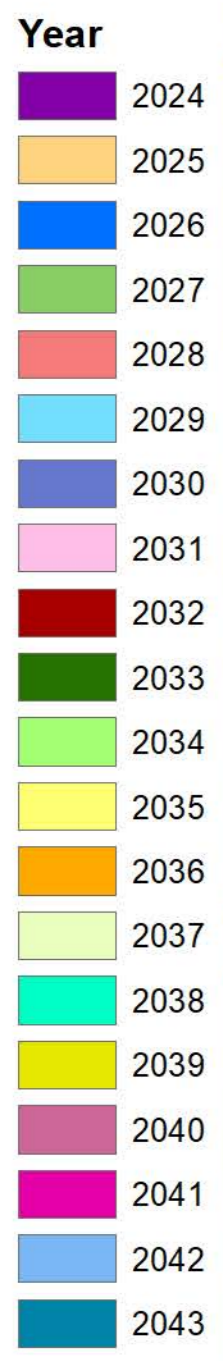


**Coordinate System:**  
 Geographic  
**Datum:**  
 WGS84  
**Unit:** Degree

**Date:**  
 28 June 2024



# Weltevreden Underground Workings: LoM Plan



Project:

**KPS EIA Alignment**

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

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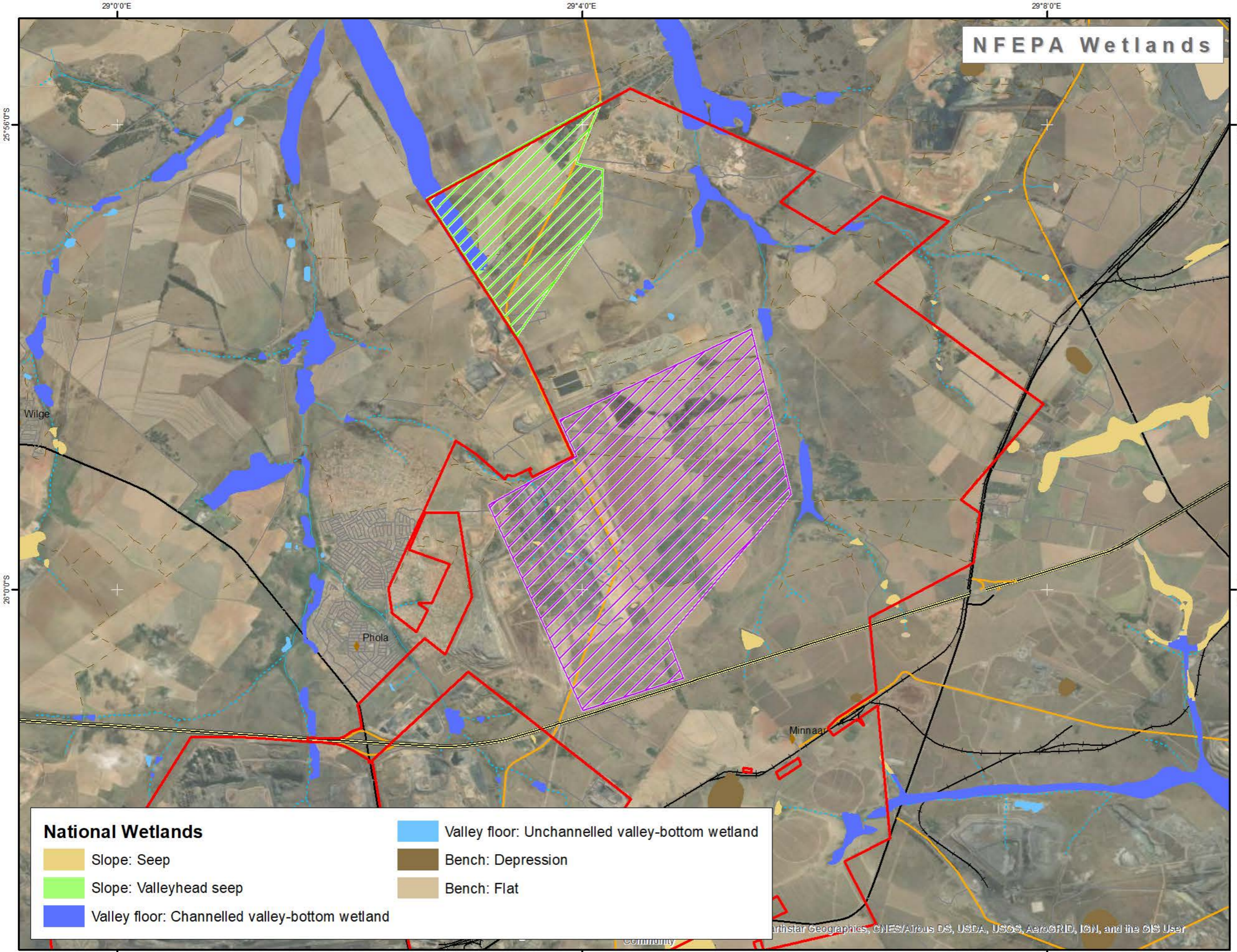


**Coordinate System:**  
 LO29  
**Datum:**  
 WGS84  
**Unit:** Degree

**Date:**  
 26 March 2024



# NFEPA Wetlands



## Legend

- Mining Right Boundary
- Pit H
- Pit BD: Original Boundary
- Secondary Town
- Settlement
- National Road
- Secondary Road
- Main Road
- Arterial Road
- Railway
- Perennial River
- Non-Perennial River

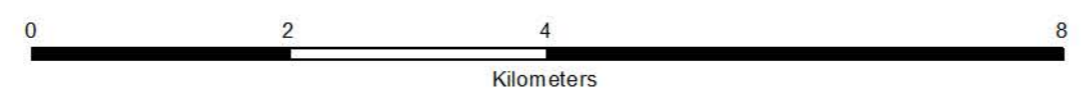


Project:

## KPS EIA Alignment

- |   |  |
|---|--|
| <span style="background-color: yellow; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></span> Slope: Seep                                  | <span style="background-color: lightblue; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></span> Valley floor: Unchannelled valley-bottom wetland |
| <span style="background-color: lightgreen; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></span> Slope: Valleyhead seep                   | <span style="background-color: brown; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></span> Bench: Depression                                    |
| <span style="background-color: blue; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></span> Valley floor: Channelled valley-bottom wetland | <span style="background-color: tan; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></span> Bench: Flat  |

**DISCLAIMER**  
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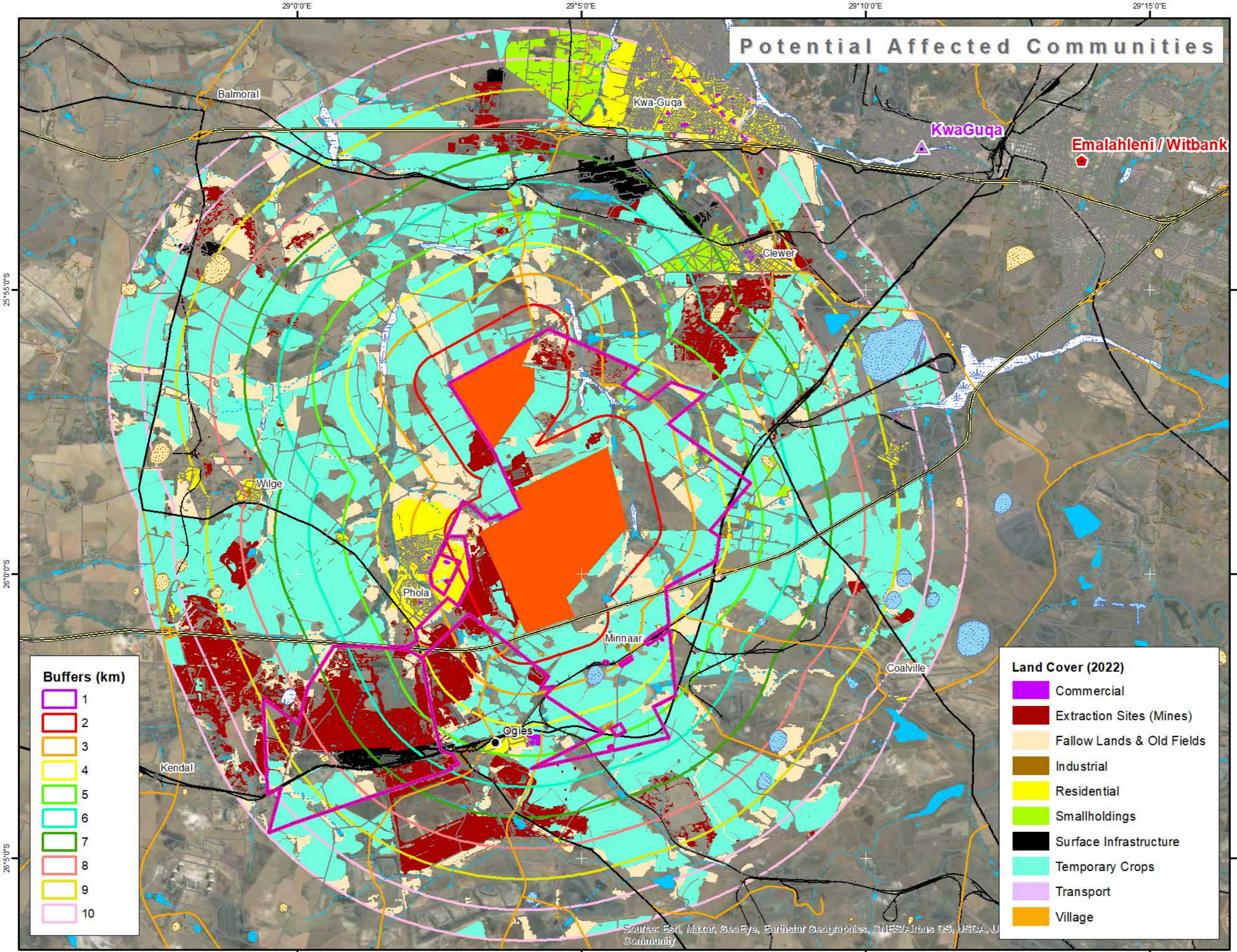


**Coordinate System:**  
 Geographic  
**Datum:**  
 WGS84  
**Unit:** Degree

**Date:**  
 28 June 2024



# Potential Affected Communities



## Legend

- KPS Mining Right Boundary
- Infrastructure Footprint
- ◆ Capital City
- ▲ Major Town
- Secondary Town
- Other Town
- ◆ Settlement
- National Road
- Secondary Road
- Main Road
- Arterial Road
- Track
- Railway
- Perennial River
- Non-Perennial River
- Perennial Pan
- Non-Perennial Pan
- Dam
- Wetland

- ### Buffers (km)
- 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10

- ### Land Cover (2022)
- Commercial
  - Extraction Sites (Mines)
  - Fallow Lands & Old Fields
  - Industrial
  - Residential
  - Smallholdings
  - Surface Infrastructure
  - Temporary Crops
  - Transport
  - Village



Project:

## KPS EIA Alignment

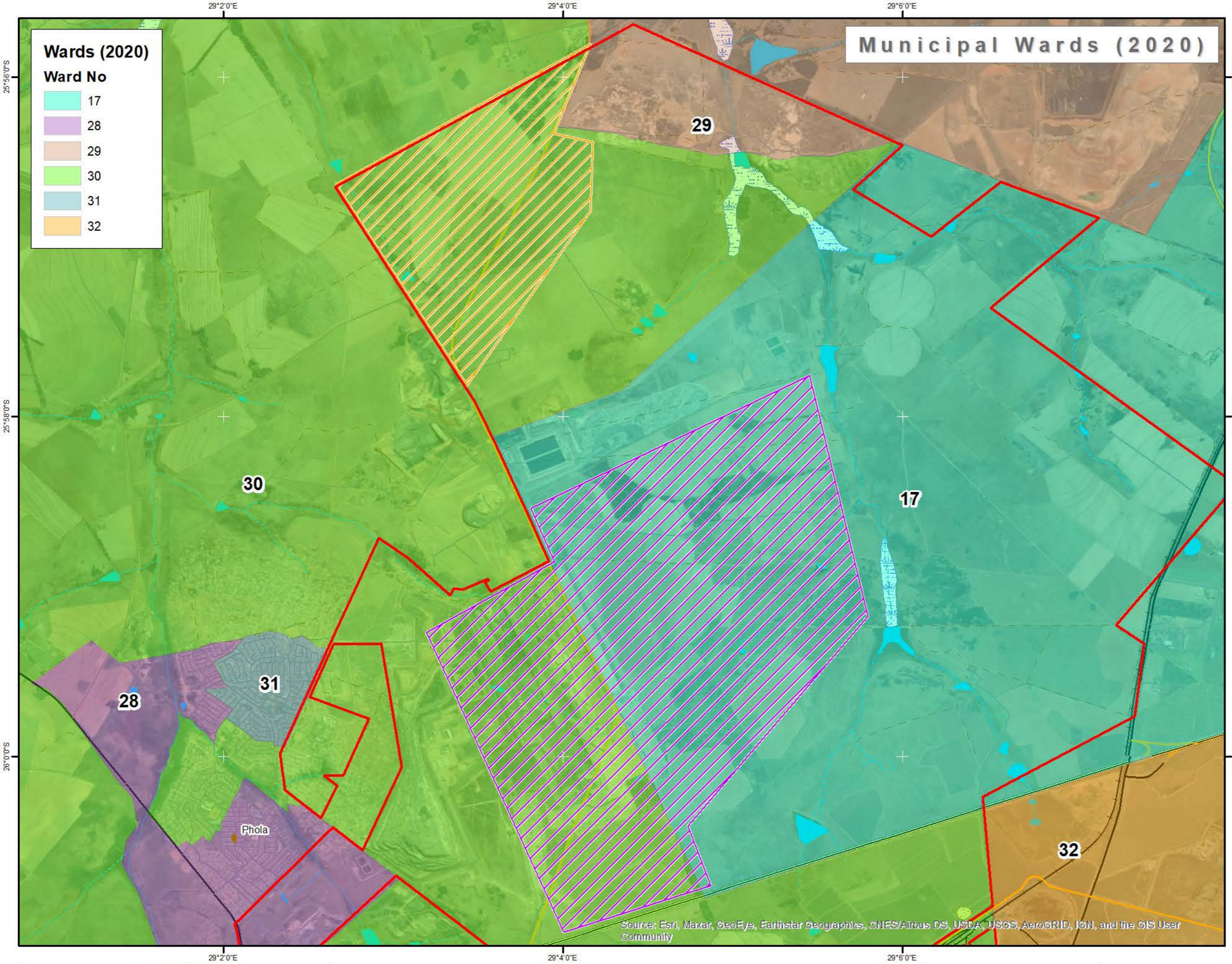
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 LO29  
**Datum:**  
 WGS84  
**Unit:** Degree

**Date:**  
 28 June 2024





**Wards (2020)**

**Ward No**

- 17
- 28
- 29
- 30
- 31
- 32

**Municipal Wards (2020)**

**Legend**

- KPS Mining Right Boundary
- Pit H
- Pit BD: Original Boundary
- Settlement
- National Road
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- Track
- Railway
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- Non-Perennial River
- Dam
- Wetland



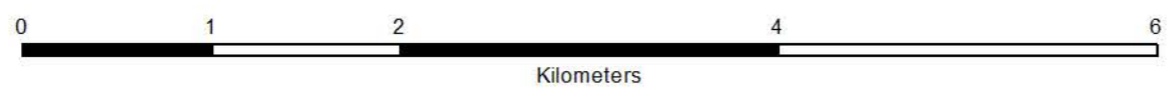
Project:

**KPS EIA Alignment**

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

**DISCLAIMER**

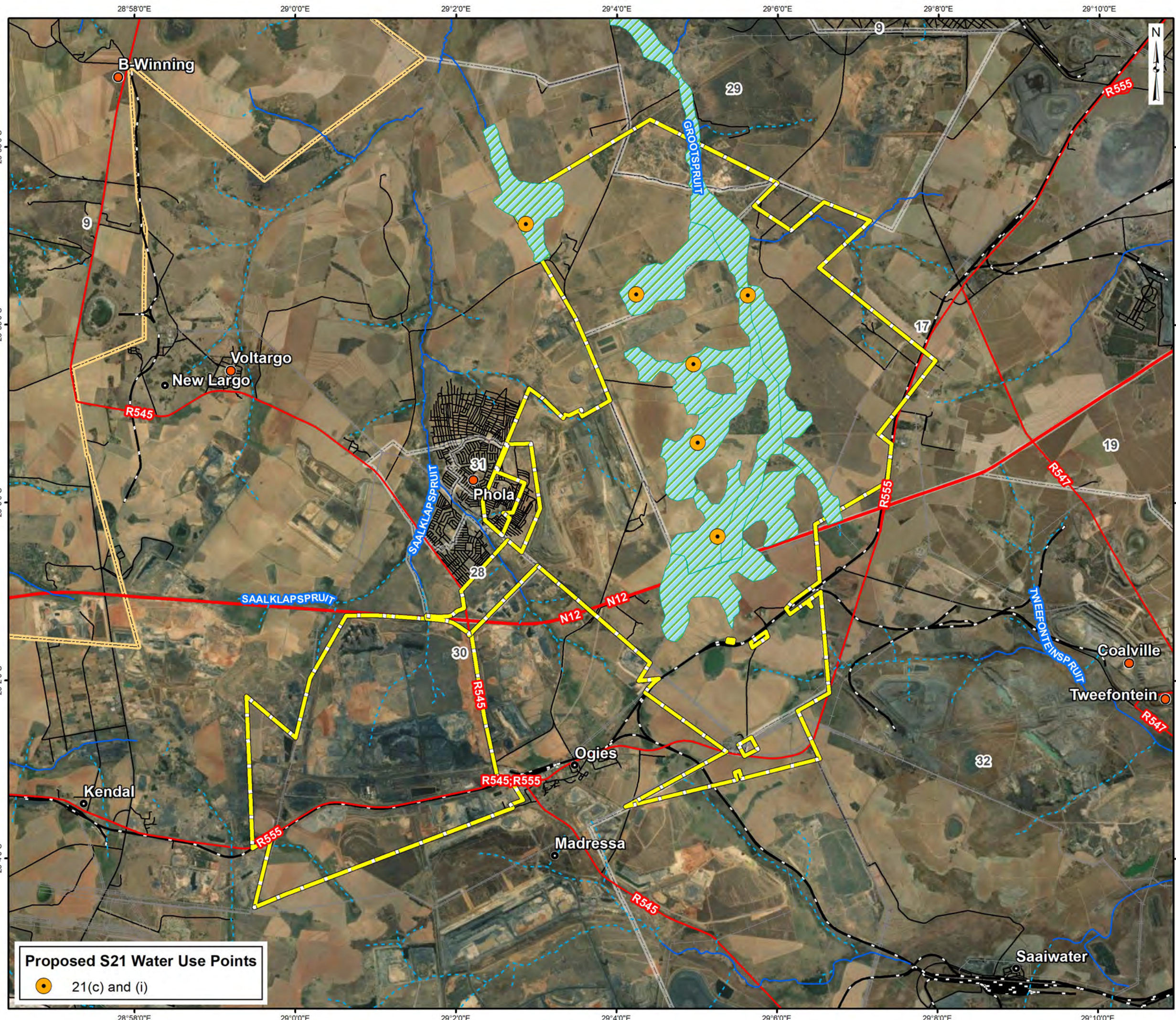
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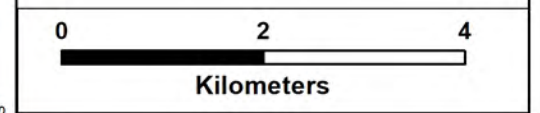
**Coordinate System:**  
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 28 June 2024





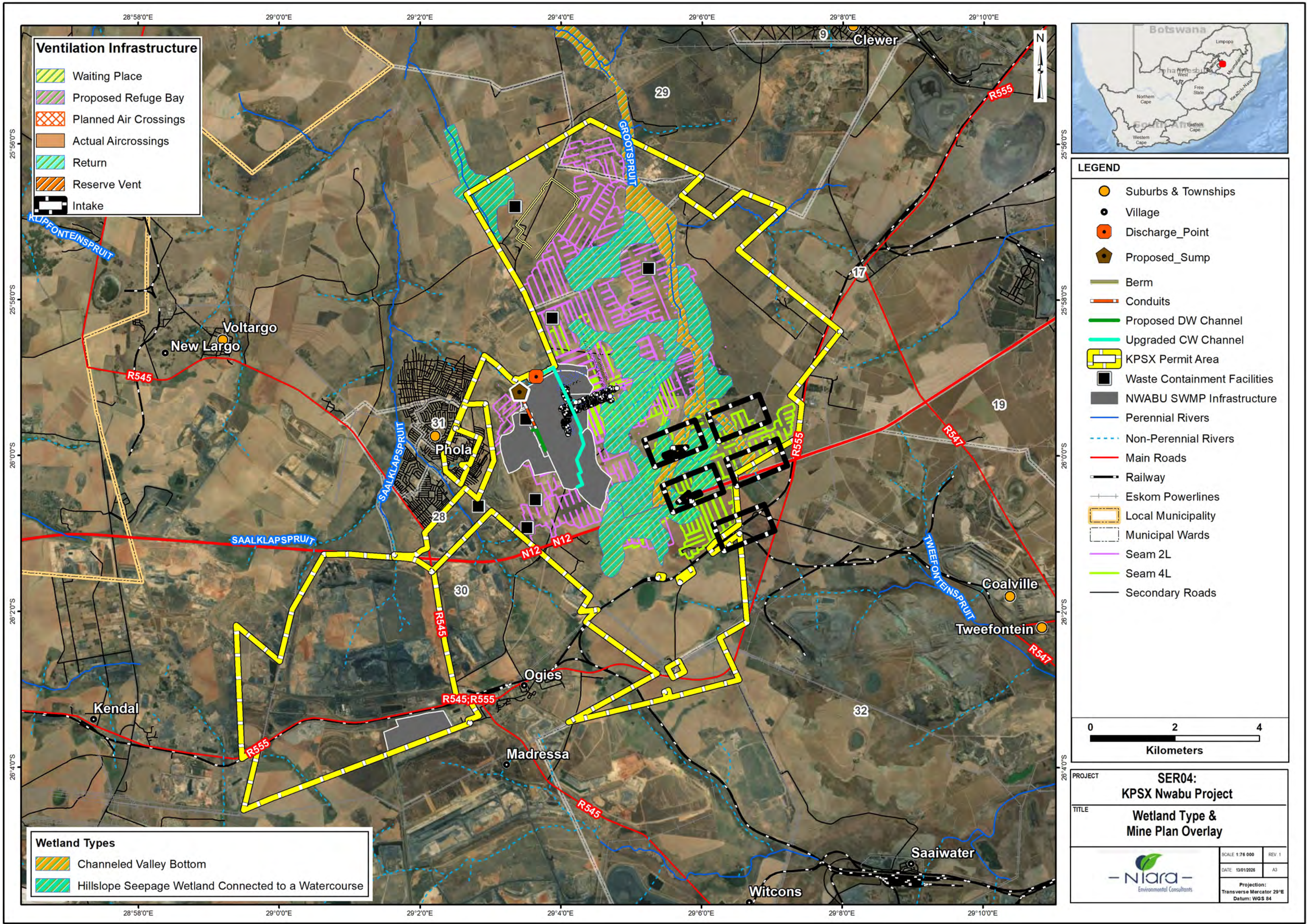
- LEGEND**
- Suburbs & Townships
  - Village
  - Perennial Rivers
  - - - Non-Perennial Rivers
  - Main Roads
  - Secondary Roads
  - Railway
  - Eskom Powerlines
  - KPSX Permit Area
  - Delineated Wetlands
  - Municipal Wards
  - Local Municipality



PROJECT	<b>SER04: KPSX Nwabu Project</b>		
TITLE	<b>Water Use(s) Map</b>		
	SCALE: 1:75 000	REV: 5	
	DATE: 13/01/2026	A3	
Projection: Transverse Mercator 29°E Datum: WGS 84			

**Proposed S21 Water Use Points**

● 21(c) and (i)



**Ventilation Infrastructure**

- Waiting Place
- Proposed Refuge Bay
- Planned Air Crossings
- Actual Aircrossings
- Return
- Reserve Vent
- Intake

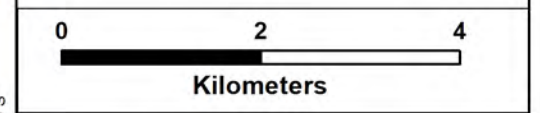
**Wetland Types**

- Channeled Valley Bottom
- Hillslope Seepage Wetland Connected to a Watercourse

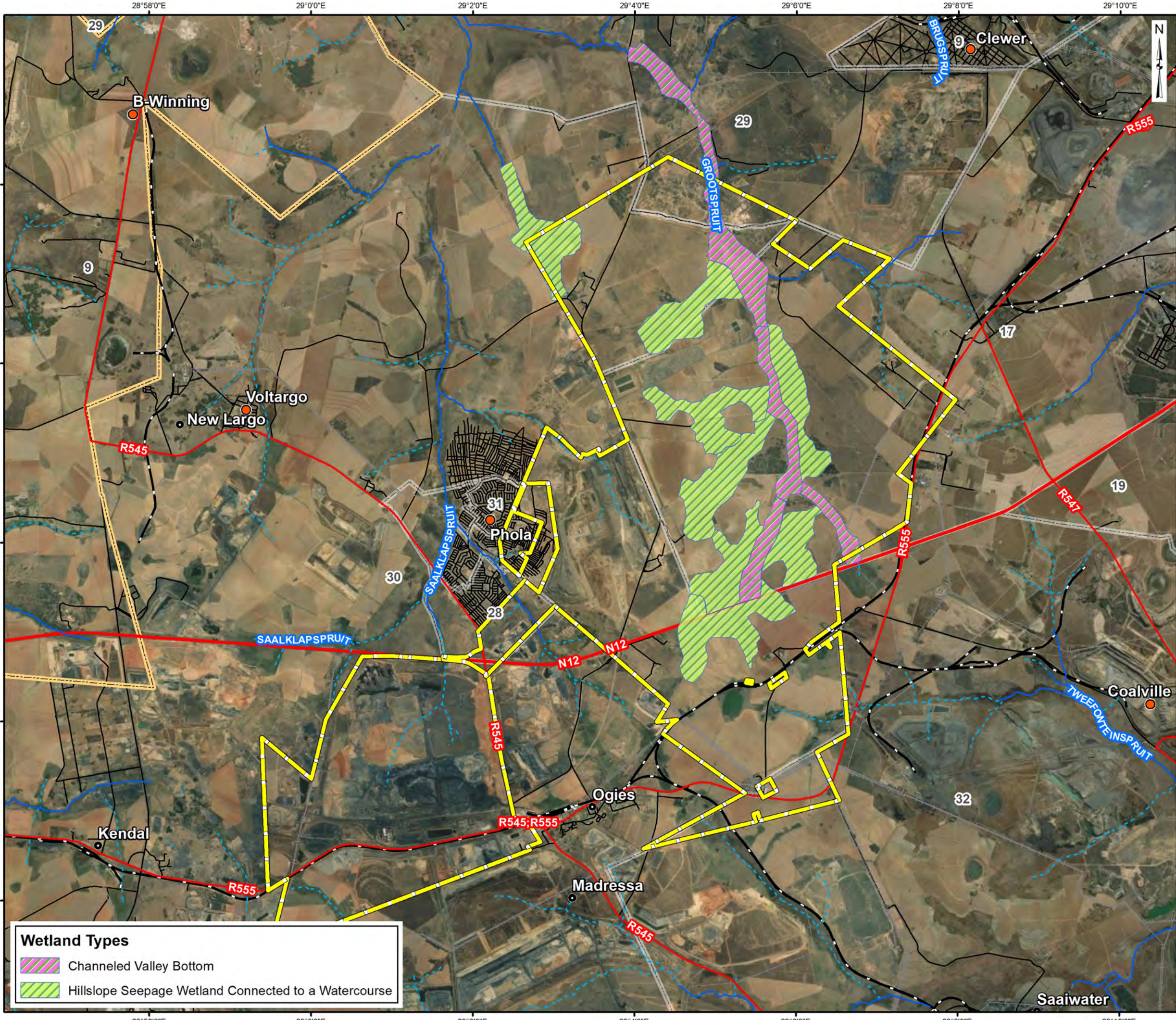


**LEGEND**

- Suburbs & Townships
- Village
- Discharge\_Point
- Proposed\_Sump
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- Conduits
- Proposed DW Channel
- Upgraded CW Channel
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- Main Roads
- Railway
- Eskom Powerlines
- Local Municipality
- Municipal Wards
- Seam 2L
- Seam 4L
- Secondary Roads

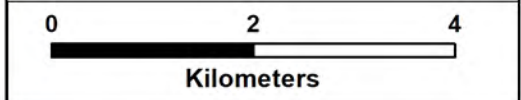


PROJECT	<b>SER04: KPSX Nwabu Project</b>	
TITLE	<b>Wetland Type &amp; Mine Plan Overlay</b>	
	SCALE: 1:76 000	REV: 1
	DATE: 13/01/2026	A3
Projection: Transverse Mercator 29°E Datum: WGS 84		



**LEGEND**

- Suburbs & Townships
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- Perennial Rivers
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- Eskom Powerlines
- KPSX Permit Area
- Municipal Wards
- Local Municipality



**Wetland Types**

- Channeled Valley Bottom
- Hillslope Seepage Wetland Connected to a Watercourse

PROJECT **SER04: KPSX Nwabu Project**

TITLE **Wetland Types Map**

SCALE: 1:75 000	REV: 1
DATE: 13/01/2026	A3
Projection: Transverse Mercator 29°E Datum: WGS 84	