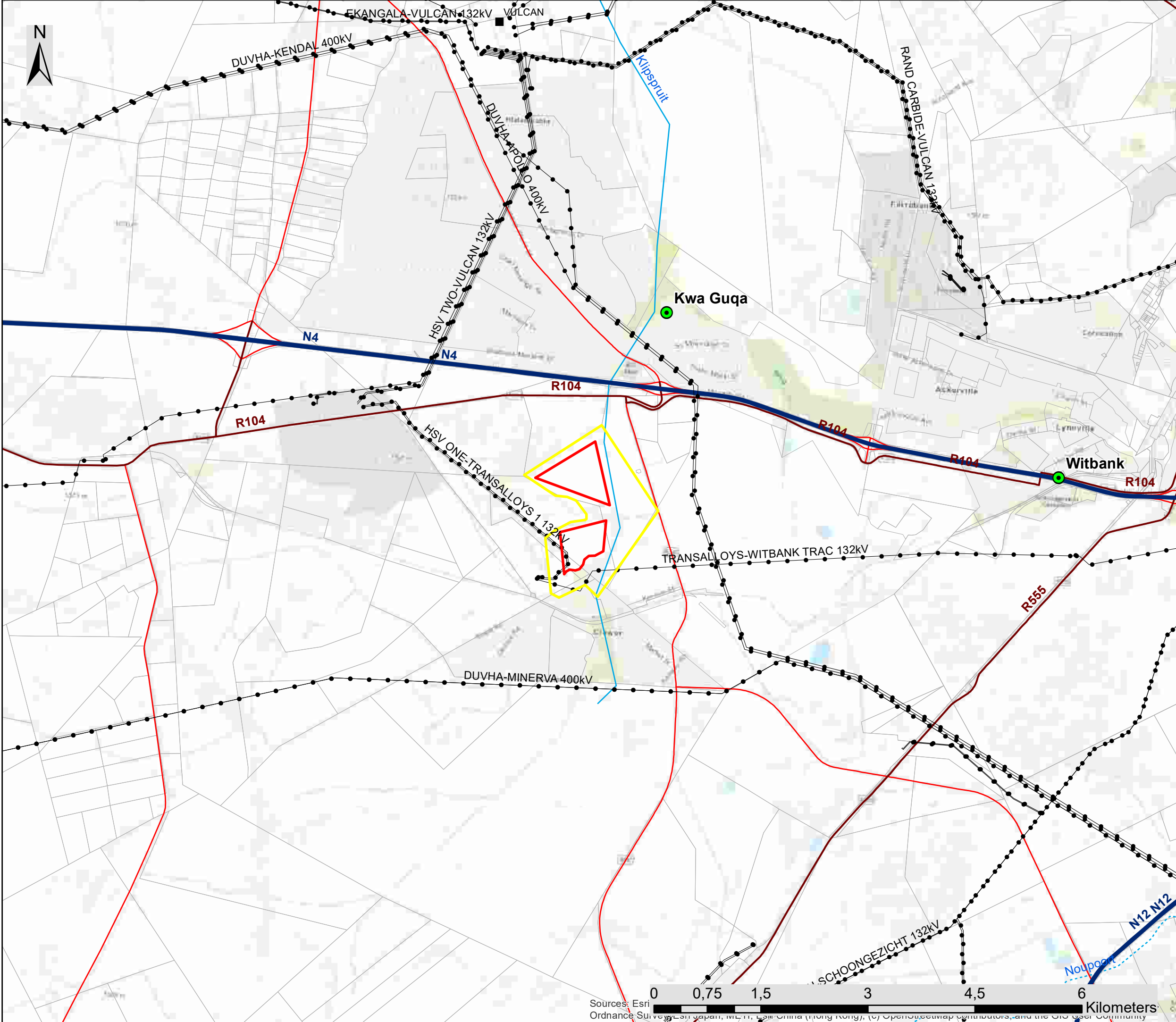


Proposed Transalloys Solar PV Facility, Mpumalanga Province.

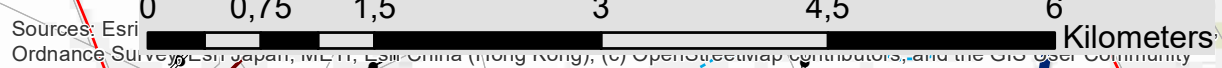
Locality Map

Legend

-  Town
-  Existing Power Line
-  National Route
-  Regional Road
-  Main Road
-  Perennial River
-  Non-perennial River
-  Proposed Development Footprint
-  Transalloys Solar PV Development Area



Scale: 1: 50 000
 Projection: LO19
 Map Ref: 00_Transalloys PV Locality



Sources: Esri, Ordnance Survey, Esri Japan, Intel, Esri China (Hong Kong), Swire, OpenStreetMap contributors, and the GIS User Community

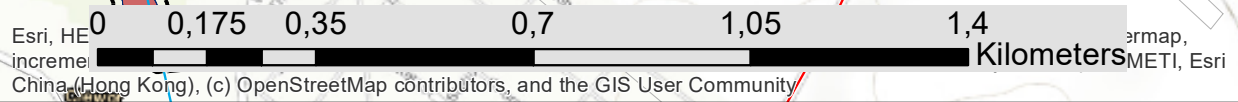
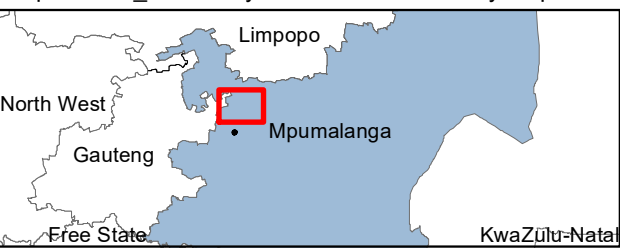
Transalloys Solar PV Facility and Associated Infrastructure, Mpumalanga Province. Combined Sensitivity Map

- Legend**
- Existing Power Line
 - Main Road
 - Perennial River
 - - - Non-perennial River
 - FPortion
- Project Infrastructure**
- PV Area
 - Development Area
 - Development Footprint
 - MV Station
 - MV Cable Trenching (+2.5km)
 - New Substation to be constructed
 - Existing Substation
 - Control Building
- Sensitivities**
- ★ Heritage Sensitivities
 - Medium Risk
- Avifuna Habitats and Terrestrial Sensitivities**
- ▨ High
- Wetland Sensitivities**
- Artificial Wetland
 - High Risk Area
 - Dams
 - 15m Wetland Buffer
- HGM 5- Hillslope Seep**
- Moderately High
- HGM 4- Unchannelled Valley Bottoms**
- Moderately High
- HGM 3- Hillslope Seep**
- Intermediate
- HGM 1- Channelled Valley Bottoms**
- Moderately High
- Soil Sensitivity**
- High
- Field Crop Boundary**
- High
- Land Capability**
- High



savarinah environmental

Scale: 1: 15 000 ; Projection: LC ...
Map Ref: 00_Transalloys Combined Sensitivity Map



Esri, HERE, DeLorme, Mapbox, Microsoft, Swire, Unacademy, Uti, Zhejiang University, and the GIS User Community

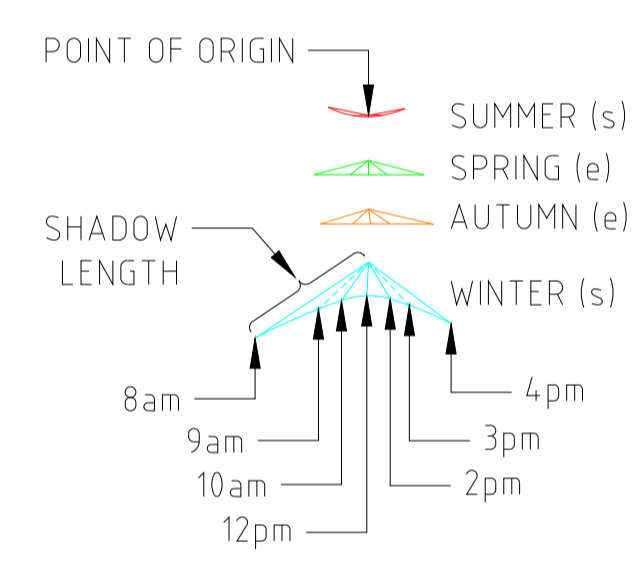


NOTES:

- 96013 x 550W MONOCRYSTALLINE BI-FACIAL PV MODULES.

LEGEND:

- PV MODULE
- MV STATION AREA
- EXISTING SUBSTATION
- NEW SUBSTATION TO BE CONSTRUCTED BY CLIENT
- ROADWAY
- SHADE
- ANNUAL SHADING PROFILE FROM 08:00 - 16:00
- PROPOSED AREA FOR CONTROL BUILDING
- OVERALL PROPERTY BORDER
- 2.2m HIGH FENCE (TOTAL LENGTH ±5.8km)
- MV CABLE TRENCHING (TOTAL LENGTH ±2.5km)
- PIPING & SERVITUDES
- OVERHEAD POWER LINES



SHADING PROFILE DETAIL
(s = SOLSTICE, e = EQUINOX)

REVISION	DATE	BY
A	ISSUED FOR INFORMATION	29.09.22 R ASKHAM
B	SERVICE ROADS ADDED	29.09.22 R ASKHAM
C	MV TRENCHING ADDED	07.10.22 R ASKHAM

CLIENT/OWNER APPROVAL

DISCIPLINE ENGINEER				2022
PROJECT MANAGER				2022

SOLAREFF APPROVAL

DRAWN	R ASKHAM	26	09	2022
DISCIPLINE ENGINEER				2022
PROJECT MANAGER				2022
SIZE	A1	SCALE	N.T.S.	

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CLEARWATER CROSSING,
CORNER OF HENDRIK
POTGIETER ROAD &
CHRISTIAAN
DE WET ROAD,
STRUBENS VALLEY,
ROODEPOORT, 1724.
TEL: +27 11 675 1114

CLIENT: TRANSALLOYS
PROJECT: TRANSALLOYS WITBANK GROUND MOUNT
TITLE: 52 807 MWp SOLAR PHOTOVOLTAIC SYSTEM PV MODULE LAYOUT

ISSUED FOR INFORMATION

CLIENT DWG. No.		SHT 1 / 1
SOLAREFF DWG. No.	SOL-22-13222-12-01	REV C