

























# Sibanye WRTRP EIA

## Scenario 1: Predicted Sulphate Plume at the End of Operation

### Legend

-  Main Road
-  Minor Road
-  Non-Perennial Stream
-  Perennial Stream
-  Dam Wall
-  Dam / Lake
-  Non-Perennial Pan
-  Wetland
- Infrastructure**
-  Infrastructure Point
-  Powerlines
-  Pipelines: Kloof Mining Right
-  Regional Tailings Storage Facility
-  Kloof Mining Right

### Concentration (mg / L)

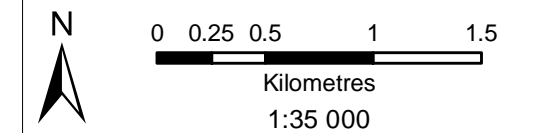
-  No Data
-  250 - 449
-  449 - 649
-  649 - 848
-  848 - 1 048
-  1 048 - 1 248
-  1 248 - 1 447
-  1 447 - 1 647
-  1 647 - 1 847
-  1 847 - 2 046
-  >2 046

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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Projection: Transverse Mercator Ref #: meg.GOL2376.201511.192  
Datum: WGS 1984 Revision Number: 1  
Central Meridian: 27°E Date: 13/01/2016














# Sibanye WRTRP EIA

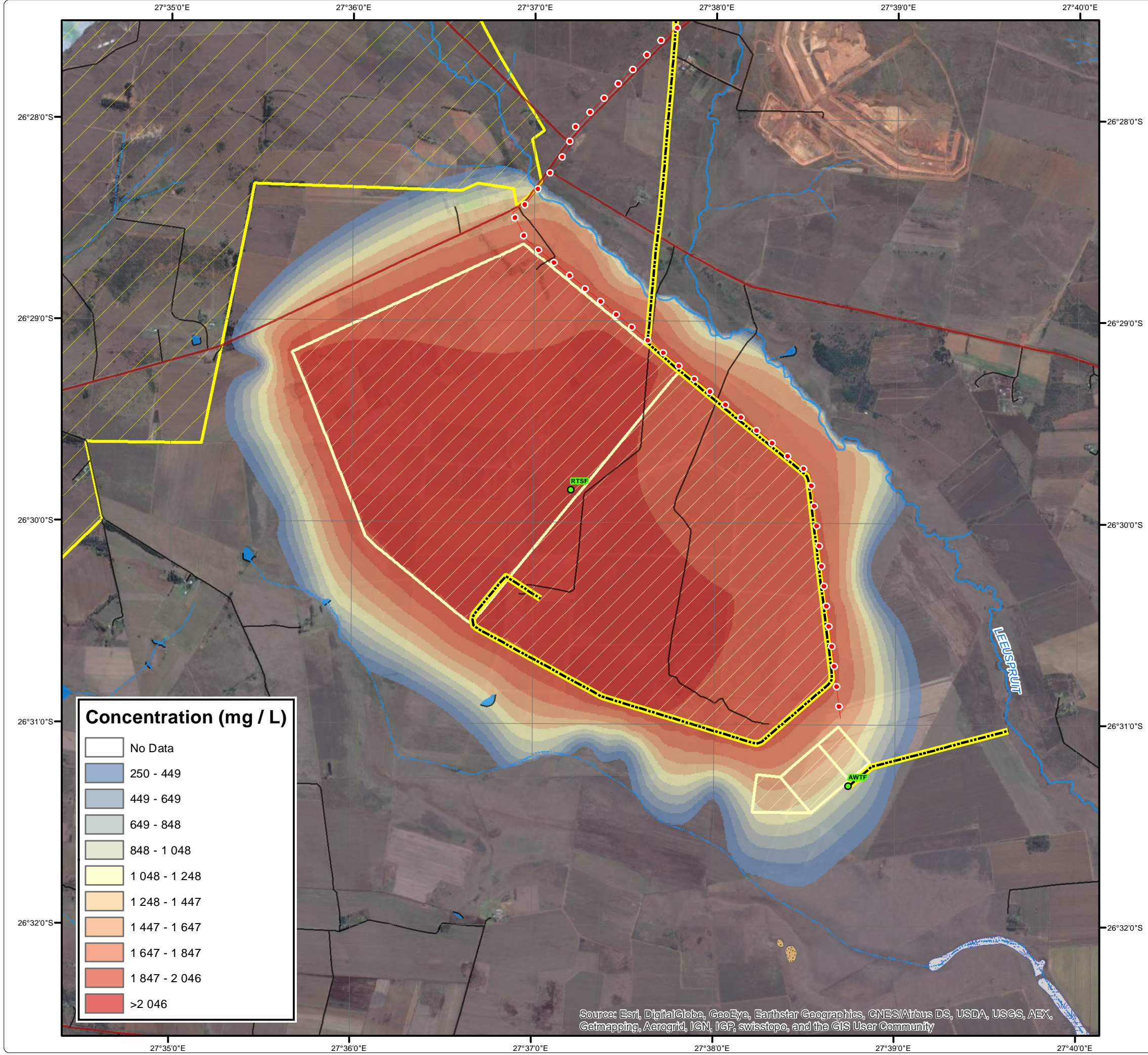
## Scenario 1: Predicted Sulphate Plume at the End of Operation

### Legend

-  Main Road
-  Minor Road
-  Non-Perennial Stream
-  Perennial Stream
-  Dam Wall
-  Dam / Lake
-  Non-Perennial Pan
-  Wetland
- Infrastructure**
-  Infrastructure Point
-  Powerlines
-  Pipelines: Kloof Mining Right
-  Regional Tailings Storage Facility
-  Kloof Mining Right

### Concentration (mg / L)

-  No Data
-  250 - 449
-  449 - 649
-  649 - 848
-  848 - 1 048
-  1 048 - 1 248
-  1 248 - 1 447
-  1 447 - 1 647
-  1 647 - 1 847
-  1 847 - 2 046
-  >2 046

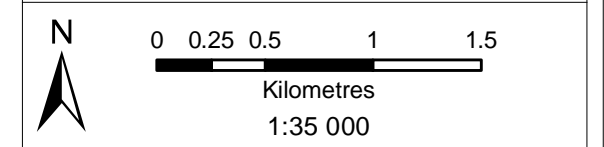


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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Projection: Transverse Mercator Ref #: meg.GOL2376.201511.192  
Datum: WGS 1984 Revision Number: 1  
Central Meridian: 27°E Date: 21/12/2015














# Sibanye WRTRP EIA

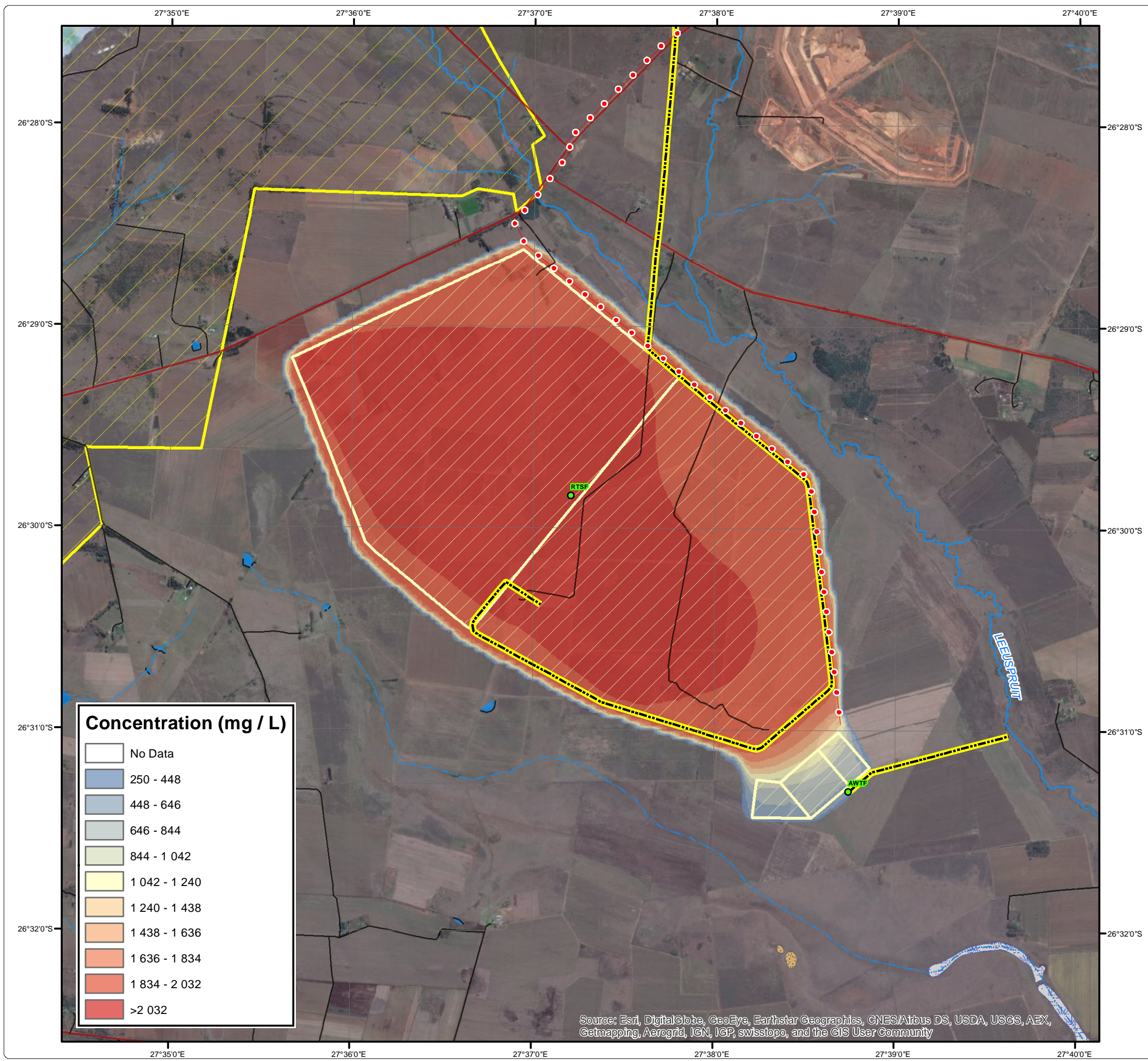
## Scenario 5: Predicted Sulphate Plume at the End of Operation

### Legend

-  Main Road
  -  Minor Road
  -  Non-Perennial Stream
  -  Perennial Stream
  -  Dam Wall
  -  Dam / Lake
  -  Non-Perennial Pan
  -  Wetland
- ### Infrastructure
-  Infrastructure Point
  -  Powerlines
  -  Pipelines: Kloof Mining Right
  -  Regional Tailings Storage Facility
  -  Kloof Mining Right

### Concentration (mg / L)

-  No Data
-  250 - 448
-  448 - 646
-  646 - 844
-  844 - 1 042
-  1 042 - 1 240
-  1 240 - 1 438
-  1 438 - 1 636
-  1 636 - 1 834
-  1 834 - 2 032
-  >2 032

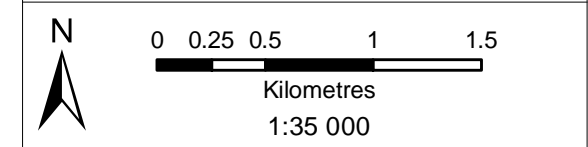


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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Projection: Transverse Mercator Ref #: meg.GOL2376.201511.193  
Datum: WGS 1984 Revision Number: 2  
Central Meridian: 27°E Date: 13/01/2016

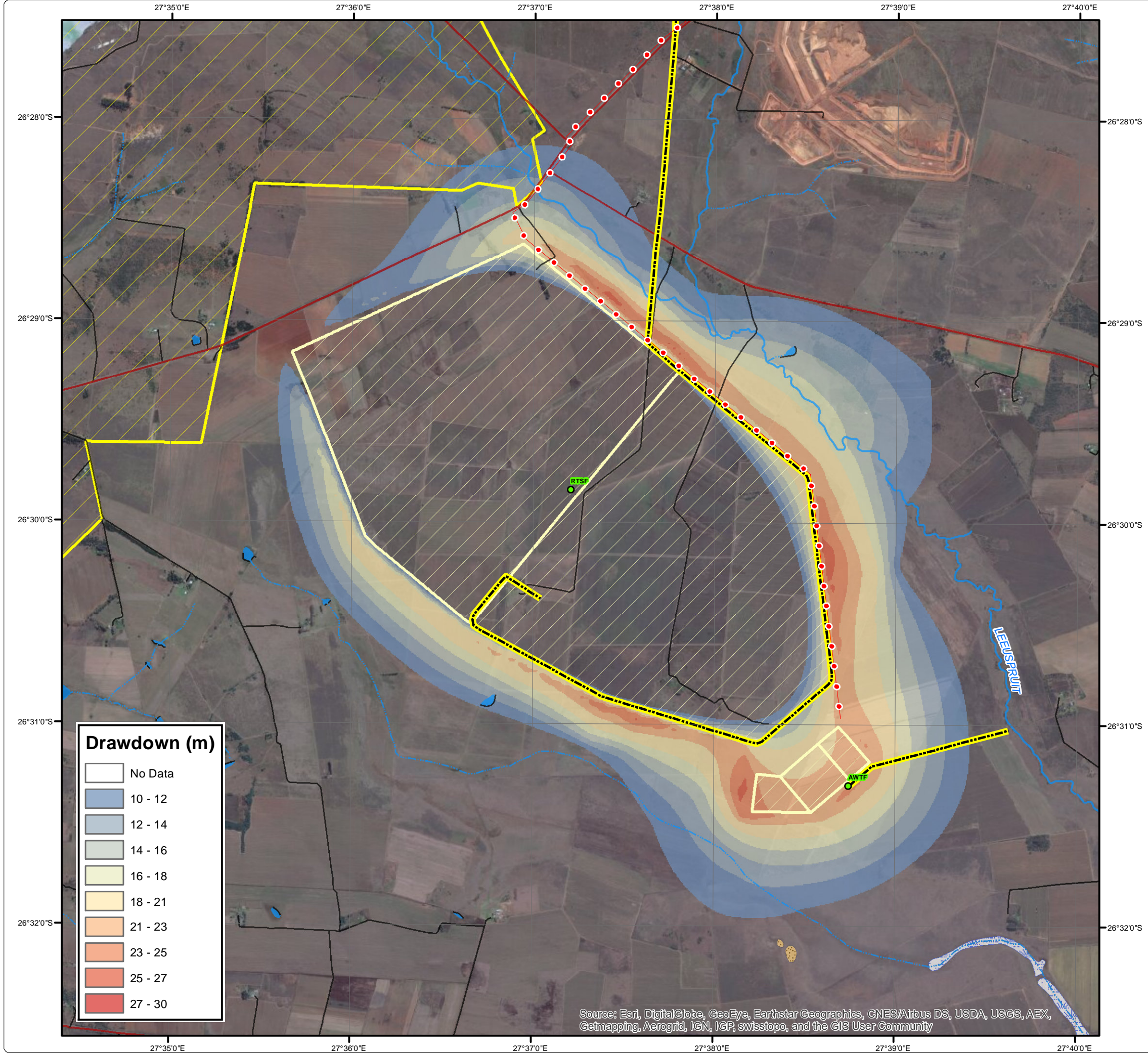


# Sibanye WRTRP EIA Predicted Dewatering Cone at the End of Operation

## Legend

- Main Road
- Minor Road
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan
- Wetland
- Infrastructure**
- Infrastructure Point
- Powerlines
- Pipelines: Kloof Mining Right
- Regional Tailings Storage Facility
- Kloof Mining Right

Drawdown (m)	
	No Data
	10 - 12
	12 - 14
	14 - 16
	16 - 18
	18 - 21
	21 - 23
	23 - 25
	25 - 27
	27 - 30

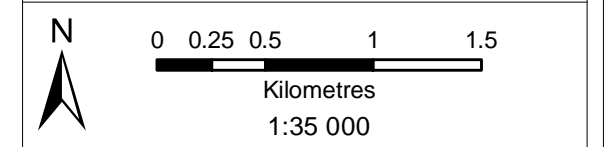


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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Projection: Transverse Mercator Ref #: meg.GOL2376.201511.194  
Datum: WGS 1984 Revision Number: 2  
Central Meridian: 27°E Date: 13/01/2016














# Sibanye WRTRP EIA

## Scenario 5: Predicted Sulphate Plume at the End of Operation

### Legend

-  Main Road
-  Minor Road
-  Non-Perennial Stream
-  Perennial Stream
-  Dam Wall
-  Dam / Lake
-  Non-Perennial Pan
-  Wetland
- Infrastructure**
-  Infrastructure Point
-  Powerlines
-  Pipelines: Kloof Mining Right
-  Regional Tailings Storage Facility
-  Kloof Mining Right

### Concentration (mg / L)

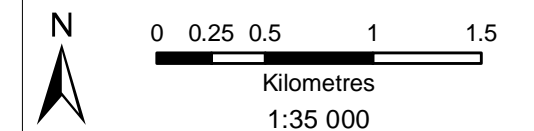
-  No Data
-  250 - 448
-  448 - 646
-  646 - 844
-  844 - 1 042
-  1 042 - 1 240
-  1 240 - 1 438
-  1 438 - 1 636
-  1 636 - 1 834
-  1 834 - 2 032
-  >2 032

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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Projection: Transverse Mercator Ref #: meg.GOL2376.201511.193  
Datum: WGS 1984 Revision Number: 1  
Central Meridian: 27°E Date: 21/12/2015



# Sibanye WRTRP EIA CPP Practical Viewshed Model

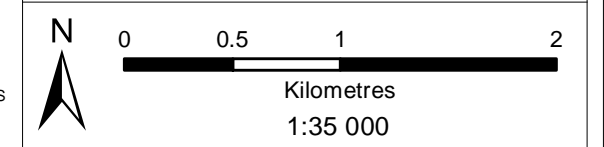
### Legend

- Settlement
- Arterial / National Route
- Main Road
- Minor Road
- - - Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Perennial Pan
- Infrastructure**
- Infrastructure Point
- ▨ CPP and Future Uranium Plant
- ▭ Kloof Mining Right
- CPP Practical Viewshed**
- 0 - 1.5 km: Potentially High Visual Exposure
- 1.5 - 3 km: Potentially Moderate Visual Exposure
- 3 - 4 km: Potentially Low Visual Exposure
- - - 4 km Buffer of CPP



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Projection: Transverse Mercator Ref #: kam.GOL2376.201508.019  
 Datum: WGS 1984 Revision Number: 2  
 Central Meridian: 27°E Date: 13/01/2016



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

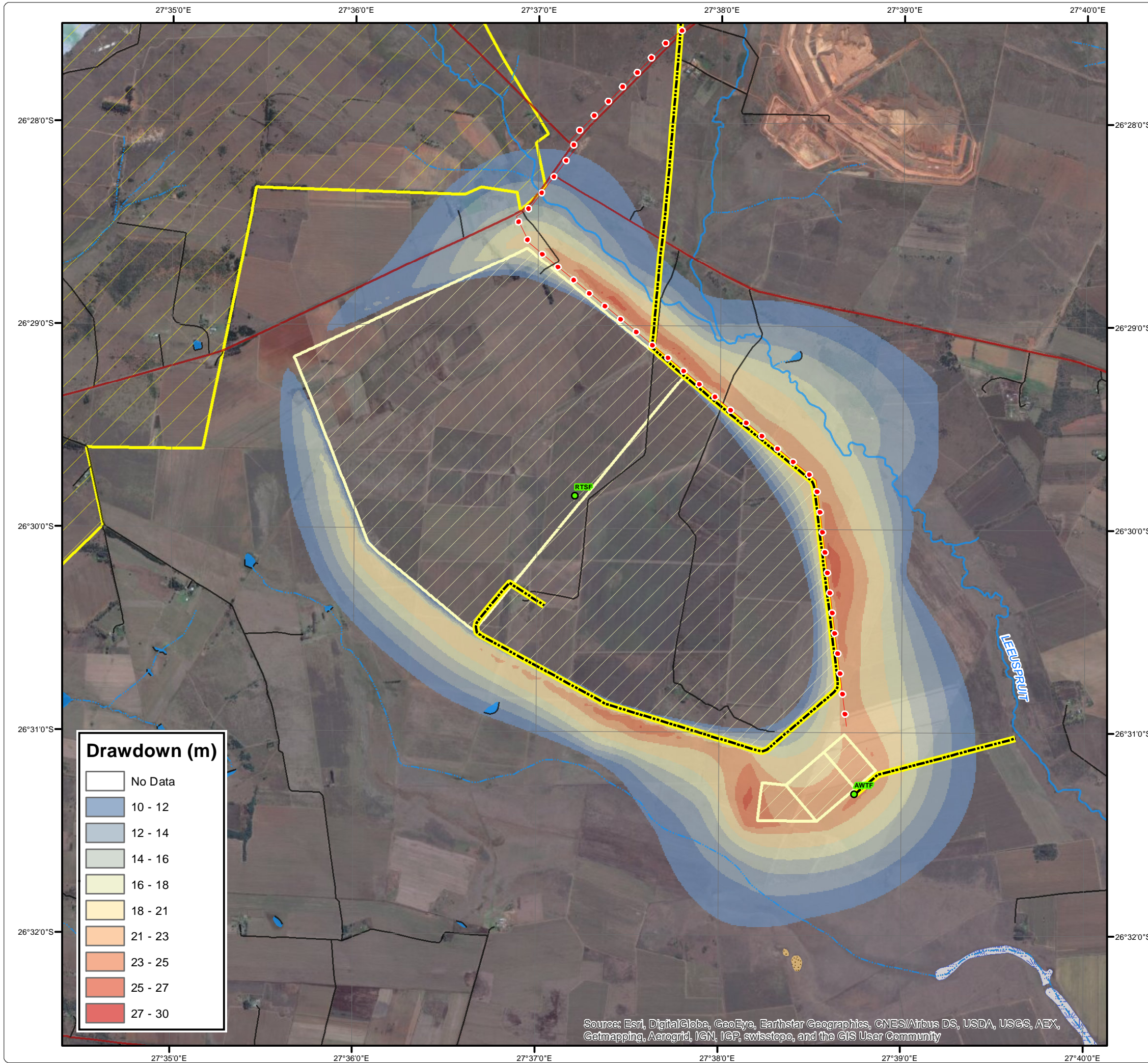
# Sibanye WRTRP EIA Predicted Dewatering Cone at the End of Operation

## Legend

- Main Road
  - Minor Road
  - Non-Perennial Stream
  - Perennial Stream
  - Dam Wall
  - Dam / Lake
  - Non-Perennial Pan
  - Wetland
- ### Infrastructure
- Infrastructure Point
  - Powerlines
  - Pipelines: Kloof Mining Right
  - Regional Tailings Storage Facility
  - Kloof Mining Right

## Drawdown (m)

- No Data
- 10 - 12
- 12 - 14
- 14 - 16
- 16 - 18
- 18 - 21
- 21 - 23
- 23 - 25
- 25 - 27
- 27 - 30

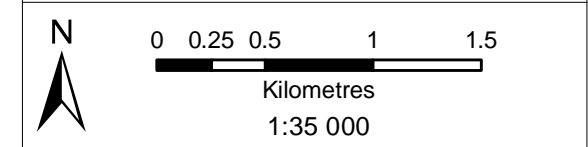


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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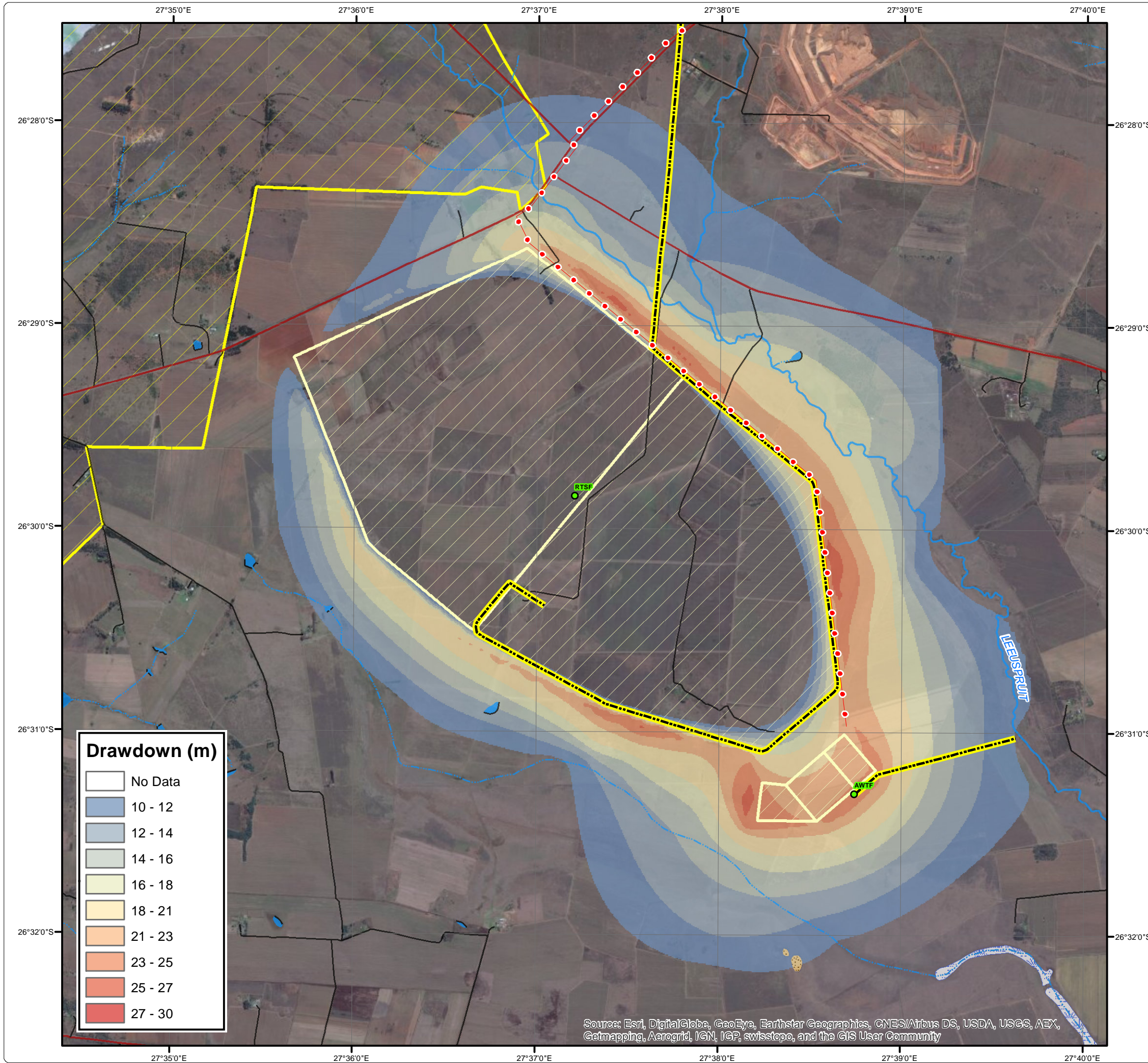
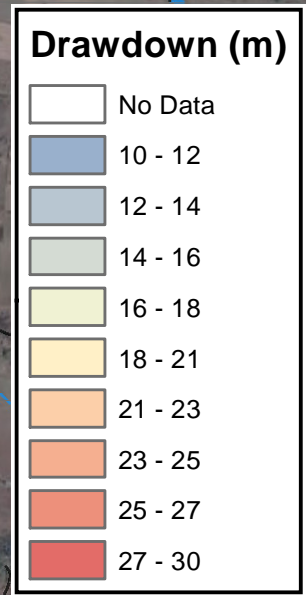
Projection: Transverse Mercator    Ref #: meg.GOL2376.201511.194  
 Datum: WGS 1984    Revision Number: 1  
 Central Meridian: 27°E    Date: 21/12/2015



# Sibanye WRTRP EIA Predicted Dewatering Cone 100 Years After Closure

## Legend

- Main Road
  - Minor Road
  - Non-Perennial Stream
  - Perennial Stream
  - Dam Wall
  - Dam / Lake
  - Non-Perennial Pan
  - Wetland
- ### Infrastructure
- Infrastructure Point
  - Powerlines
  - Pipelines: Kloof Mining Right
  - Regional Tailings Storage Facility
  - Kloof Mining Right

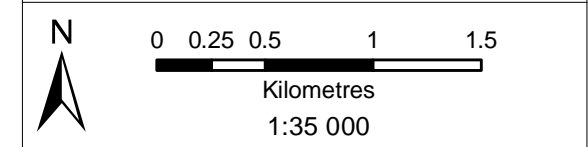


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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Projection: Transverse Mercator    Ref #: meg.GOL2376.201511.197  
 Datum: WGS 1984    Revision Number: 1  
 Central Meridian: 27°E    Date: 21/12/2015





# Sibanye WRTRP EIA RTSF Practical Viewshed Model

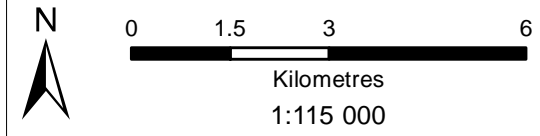
### Legend

- Other Town
  - Settlement
  - Arterial / National Route
  - Main Road
  - Minor Road
  - Railway Line
  - Non-Perennial Stream
  - Perennial Stream
  - Dam Wall
  - Dam / Lake
  - Perennial Pan
  - Non-Perennial Pan
  - Wetland
- Infrastructure**
- Infrastructure Point
  - CPP and Future Uranium Plant
  - Regional Tailings Storage Facility
  - Kloof Mining Right
- RTSF Practical Viewshed**
- 0 - 5 km: Potentially High Visual Exposure
  - 5 - 9 km: Potentially Moderate Visual Exposure
  - 9 - 12 km: Potentially Low Visual Exposure
  - 12 km Buffer of RTSF



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Projection: Transverse Mercator      Ref #: kam.GOL2376.201508.021  
 Datum: WGS 1984      Revision Number: 2  
 Central Meridian: 27°E      Date: 13/01/2016



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

