

KPSX Weltevreden

Local Setting

Legend

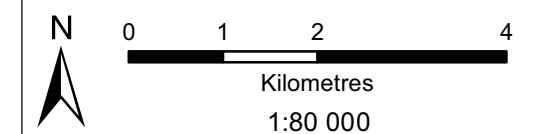
- Project Area
- Secondary Town
- Other Town
- Settlement
- Power Station
- Power Line
- Arterial / National Route
- Main Road
- Minor Road
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Perennial Pan
- Wetland



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Projection: Transverse Mercator	Ref #: scm.BHP2690.201406.036
Datum: WGS 1984	Revision Number: 1
Central Meridian: 29°E	Date: 11/06/2014



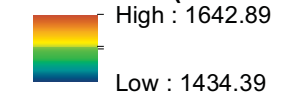
KPSX Weltevreden Topography

Legend

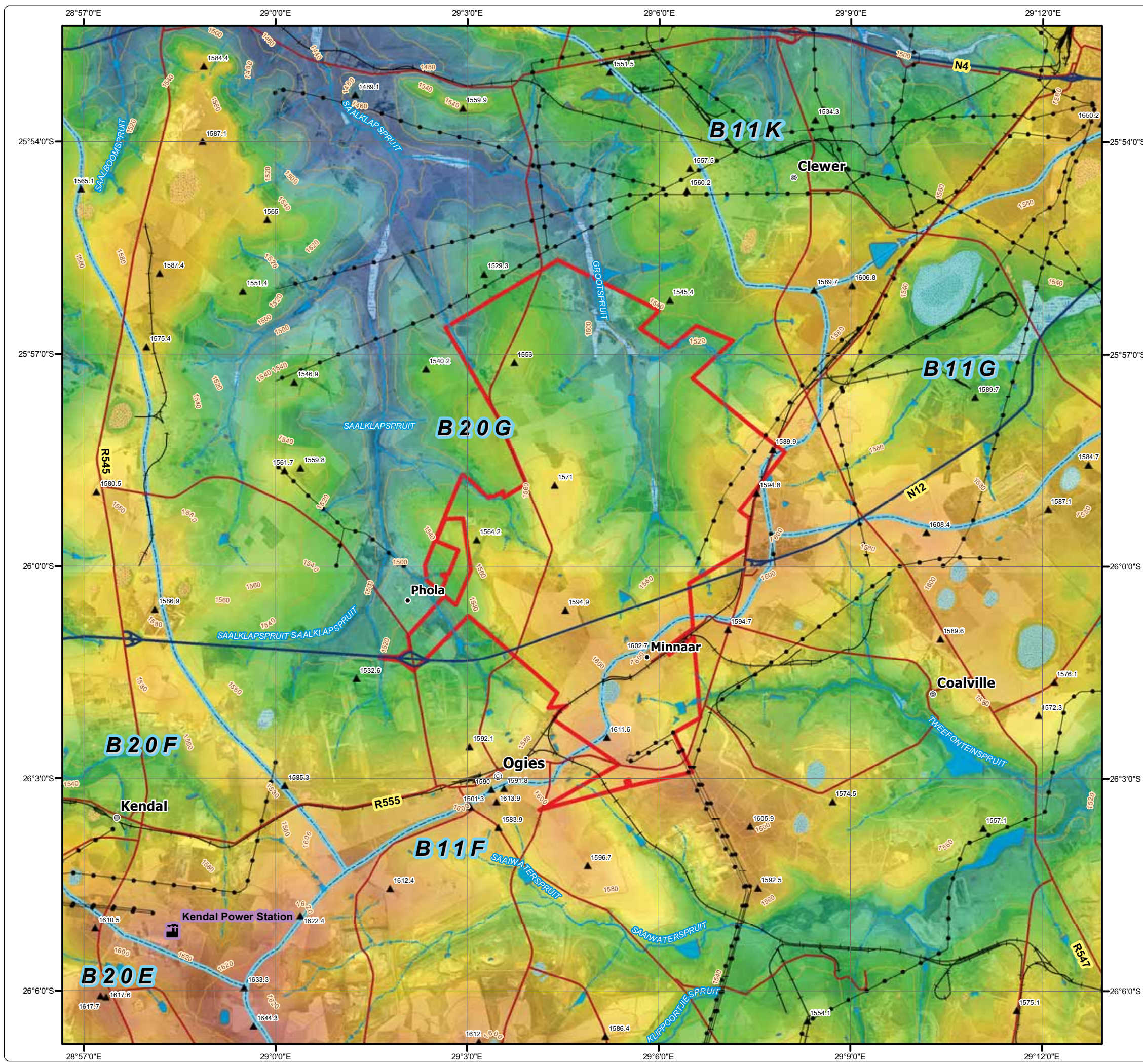
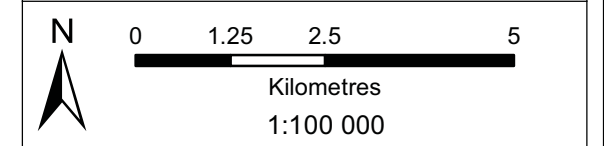
- Project Area
- Secondary Town
- Other Town
- Settlement
- Power Station
- Trig Beacon
- Power Line
- Arterial / National Route
- Main Road
- Railway Line
- Contour (20 m)
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Perennial Pan
- Wetland
- Quaternary Catchment Boundary

Topographical Model

Elevation (m.a.m.s.l.)



Projection: Transverse Mercator Ref #: scm.BHP2690.201406.038
 Datum: WGS 1984 Revision Number: 1
 Central Meridian: 29°E Date: 11/06/2014



KPSX Weltevreden Infrastructure Layout

Legend

- Project Area
- Secondary Town
- Settlement
- Power Line
- Arterial / National Route
- Main Road
- Minor Road
- Track
- Railway Line
- Dam Wall
- Non-Perennial Stream
- Perennial Stream
- Dam / Lake
- Non-Perennial Pan / Stream
- Perennial Pan
- Wetland

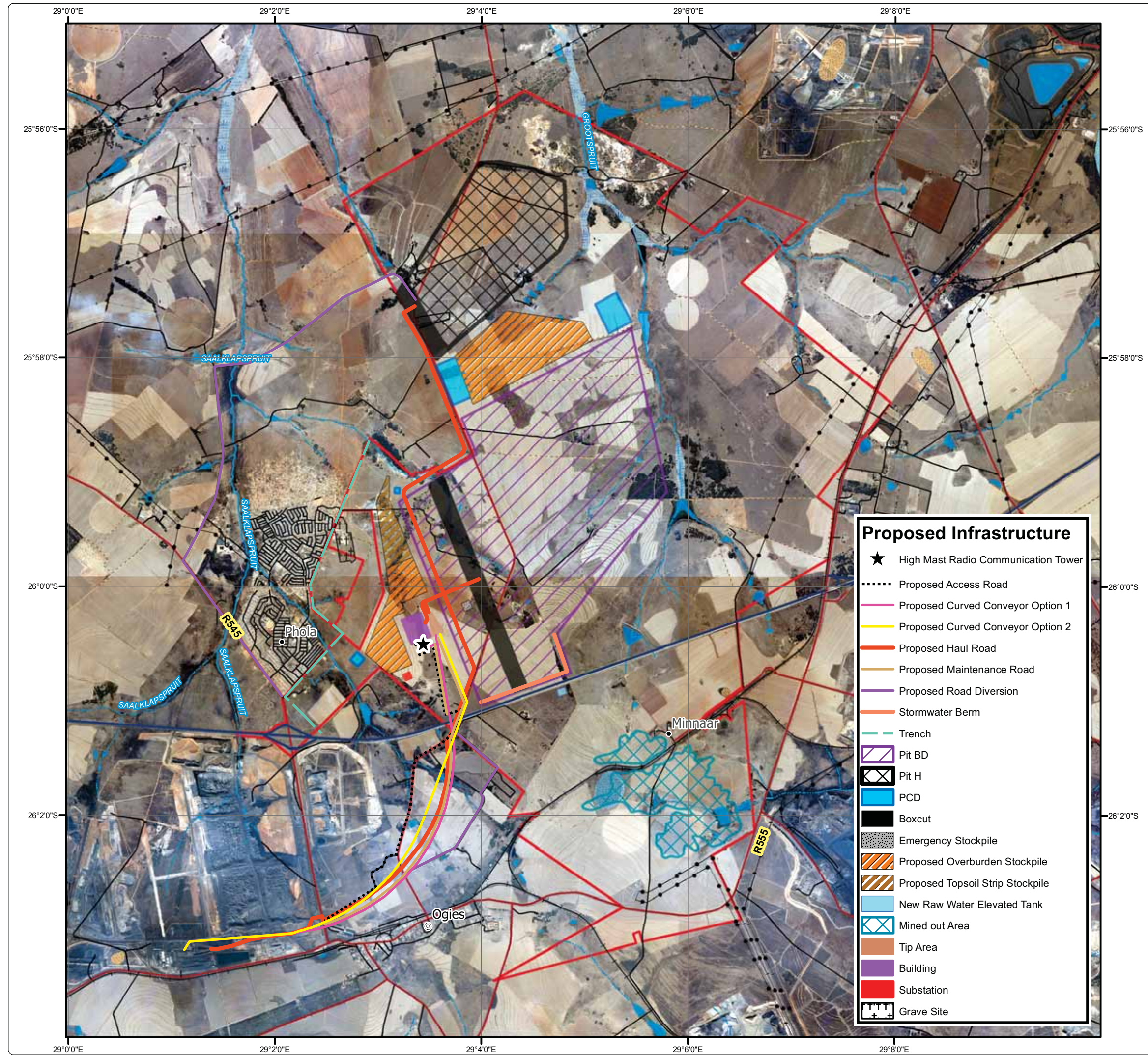
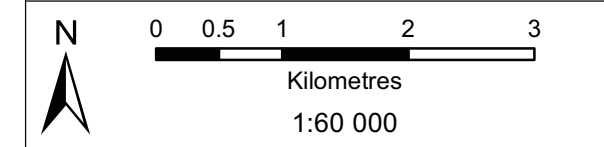
Proposed Infrastructure

- High Mast Radio Communication Tower
- Proposed Access Road
- Proposed Curved Conveyor Option 1
- Proposed Curved Conveyor Option 2
- Proposed Haul Road
- Proposed Maintenance Road
- Proposed Road Diversion
- Stormwater Berm
- Trench
- Pit BD
- Pit H
- PCD
- Boxcut
- Emergency Stockpile
- Proposed Overburden Stockpile
- Proposed Topsoil Strip Stockpile
- New Raw Water Elevated Tank
- Mined out Area
- Tip Area
- Building
- Substation
- Grave Site



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Projection: Transverse Mercator Ref #: scm.BHP2690.201502.006
 Datum: WGS 1994 Revision Number: 1
 Central Meridian: 29°E Date: 23/02/2015



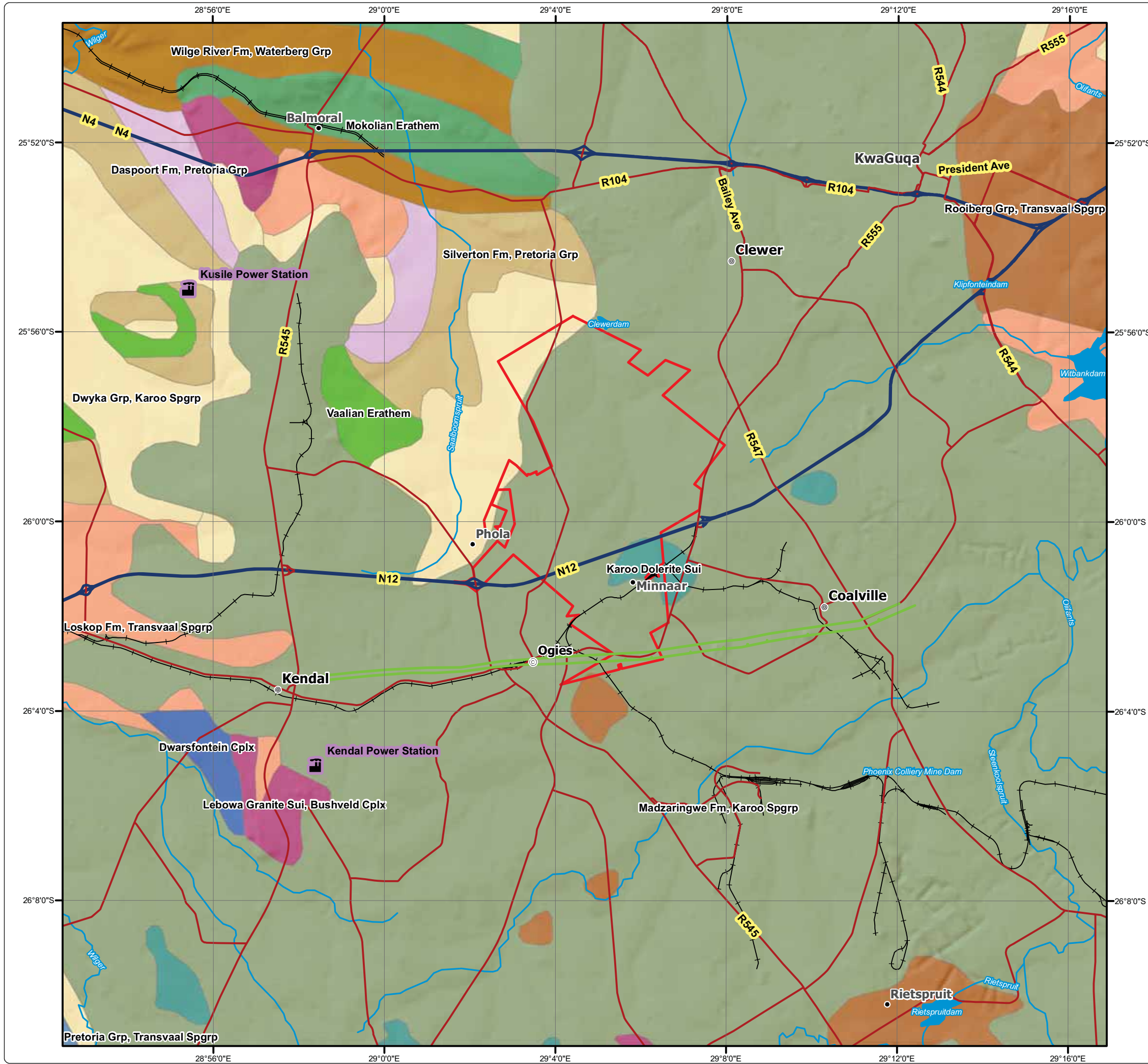
KPSX Weltevreden Regional Geology


Legend

- Project Area
- Secondary Town
- Other Town
- Settlement
- Power Station
- Estimated Ogies Dyke
- Main Road
- Arterial / National Route
- Railway Line
- Perennial Stream
- Dam

Geology

- Daspoort Fm, Pretoria Grp
- Dwarsfontein Cplx
- Dwyka Grp, Karoo Spgrp
- Karoo Dolerite Sui
- Lebowa Granite Sui, Bushveld Cplx
- Loskop Fm, Transvaal Spgrp
- Madzaringwe Fm, Karoo Spgrp
- Mokolian Erathem
- Pretoria Grp, Transvaal Spgrp
- Rooiberg Grp, Transvaal Spgrp
- Silverton Fm, Pretoria Grp
- Vaalian Erathem
- Wilge River Fm, Waterberg Grp

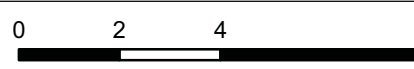




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Projection: Transverse Mercator	Ref #: idp.BHP2690.201405.025
Datum: WGS 1994	Revision Number: 1
Central Meridian: 29°E	Date: 08/05/2014



Kilometres
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KPSX Weltevreden Hydrocensus Boreholes

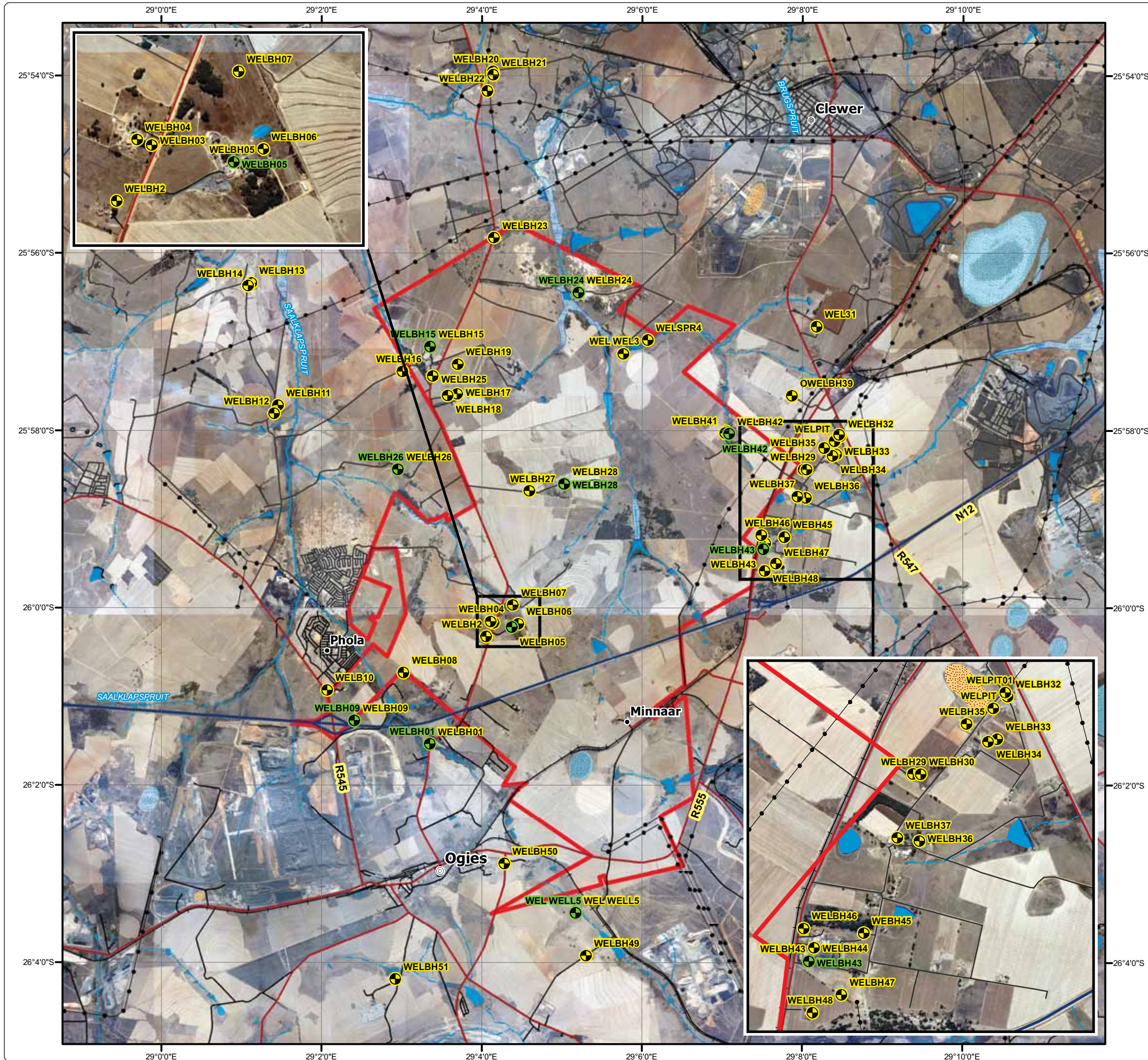
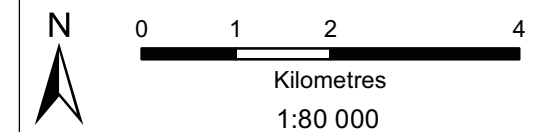
Legend

- Project Area
- Hydrocensus Boreholes
- Lab Sample Boreholes
- ⊙ Secondary Town
- Other Town
- Settlement
- Power Line
- Arterial / National Route
- Main Road
- Minor Road
- - - Track
- + + + Railway Line
- - - Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Perennial Pan
- Wetland



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Projection: Transverse Mercator Ref #: mpl.BHP2690.201502.051
 Datum: WGS 1984 Revision Number: 1
 Central Meridian: 29°E Date: 13/02/2015



KPSX Weltevreden Geophysics Lines & Proposed Boreholes

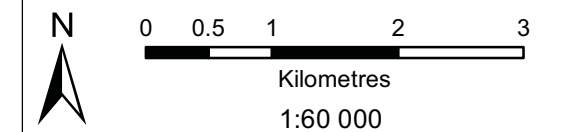
Legend

- Project Area
 - Secondary Town
 - Settlement
 - Geophysics Lines
 - Power Line
 - Arterial / National Route
 - Main Road
 - Minor Road
 - Track
 - Railway Line
 - Non-Perennial Stream
 - Perennial Stream
 - Dam Wall
 - Dam / Lake
 - Non-Perennial Pan / Stream
 - Perennial Pan
 - Wetland
- Proposed Boreholes**
- High Priority
 - Lower Priority



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Projection: Transverse Mercator Ref #: mpl.BHP2690.201502.052
 Datum: WGS 1984 Revision Number: 1
 Central Meridian: 29°E Date: 13/02/2015



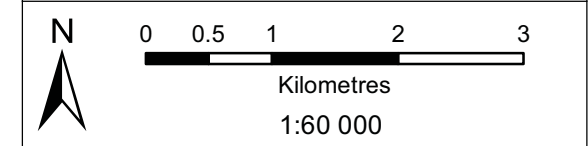
KPSX Weltevreden Drilled Boreholes

Legend

- Project Area
 - Secondary Town
 - Settlement
 - Power Line
 - Arterial / National Route
 - Main Road
 - Minor Road
 - Track
 - Railway Line
 - Non-Perennial Stream
 - Perennial Stream
 - Dam Wall
 - Dam / Lake
 - Non-Perennial Pan / Stream
 - Perennial Pan
 - Wetland
- ### Drilling Targets
- Targets Drilled
 - Targets Not Drilled



Projection: Transverse Mercator Ref #: mpl.BHP2690.201502.053
 Datum: WGS 1984 Revision Number: 1
 Central Meridian: 29°E Date: 13/02/2015



KPSX Weltevreden

Life of Mine

Legend

- Project Area
- Pit BD
- Secondary Town
- Other Town
- Settlement
- Power Line
- Arterial / National Route
- Main Road
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Perennial Pan
- Wetland

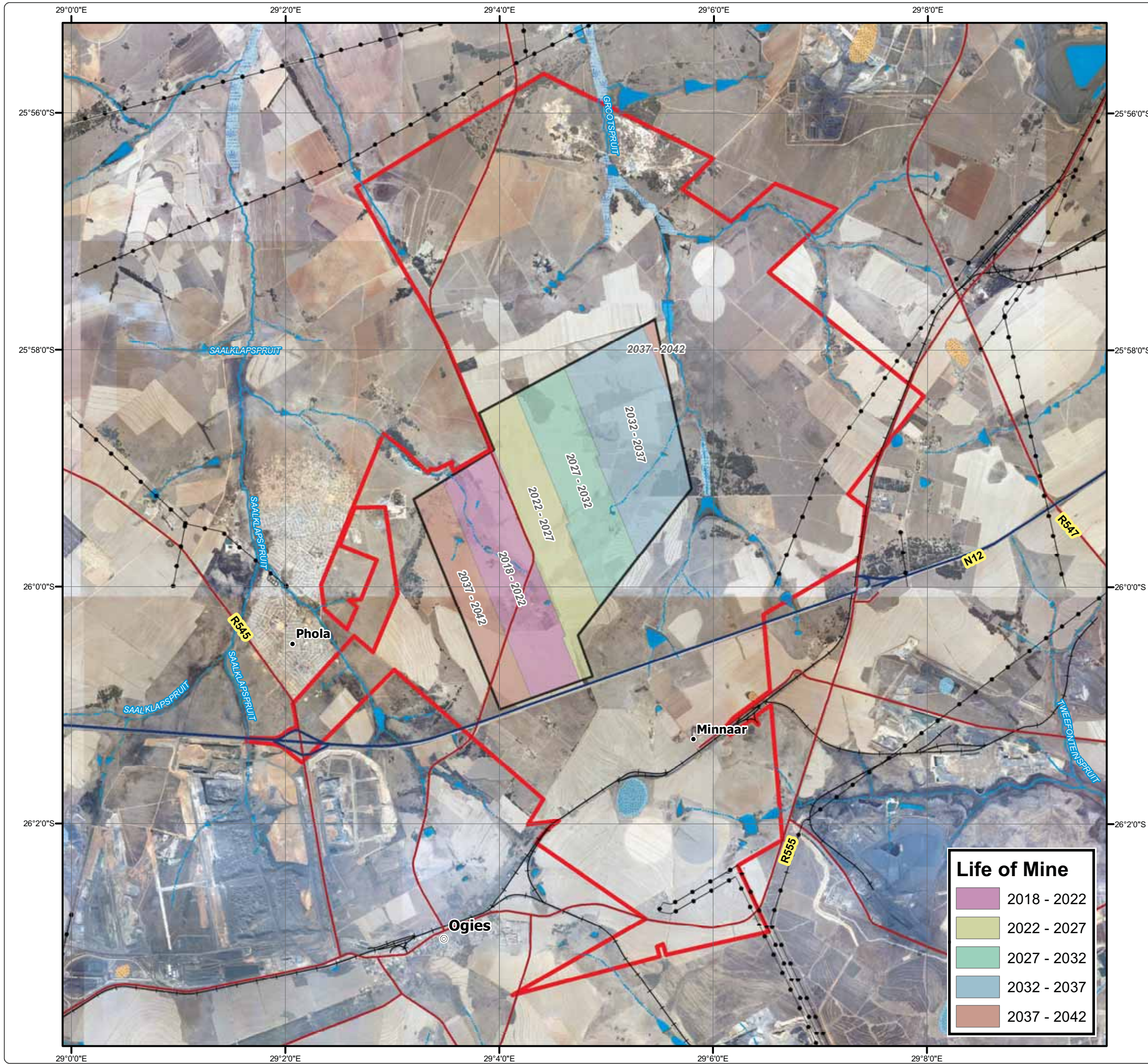
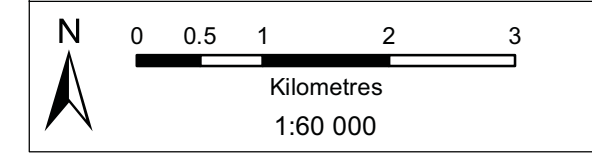
Life of Mine

- 2018 - 2022
- 2022 - 2027
- 2027 - 2032
- 2032 - 2037
- 2037 - 2042



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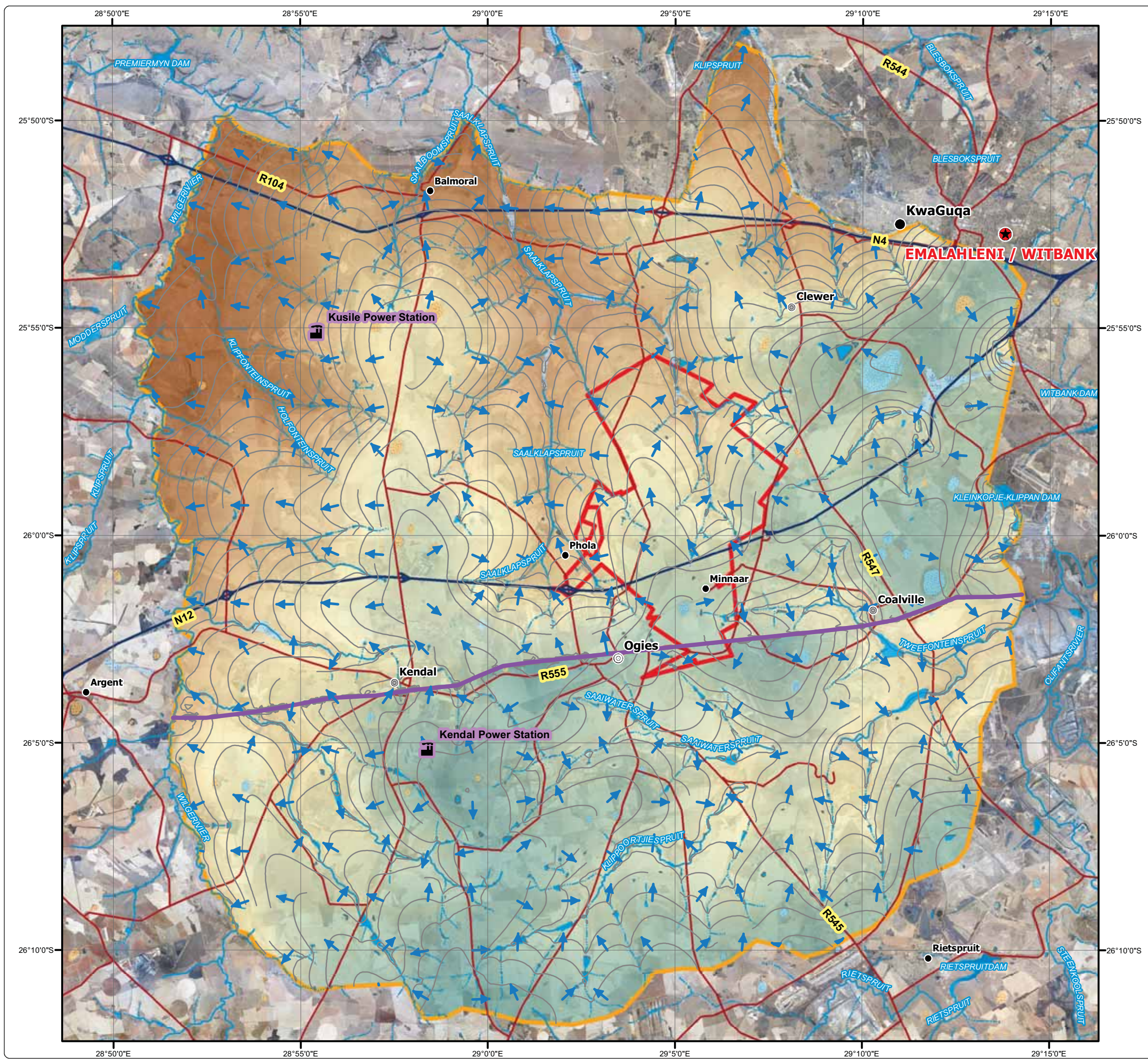
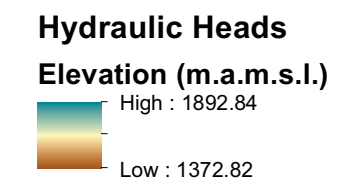
Projection: Transverse Mercator Ref #: scm.BHP2690.201503.126
 Datum: WGS 1984 Revision Number: 1
 Central Meridian: 29°E Date: 25/03/2015



KPSX Weltevreden Initial Hydraulic Head - Calibrated

Legend

- Project Area
- Model Boundary
- City
- Major Town
- Secondary Town
- Other Town
- Settlement
- Power Station
- Arterial / National Route
- Main Road
- Non-Perennial Stream
- Perennial Stream
- Ogies Dyke
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Perennial Pan
- Wetland



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Projection: Transverse Mercator	Ref #: scm.BHP2690.201503.128
Datum: WGS 1984	Revision Number: 1
Central Meridian: 29°E	Date: 25/03/2015

N

0 2 4 8

Kilometres

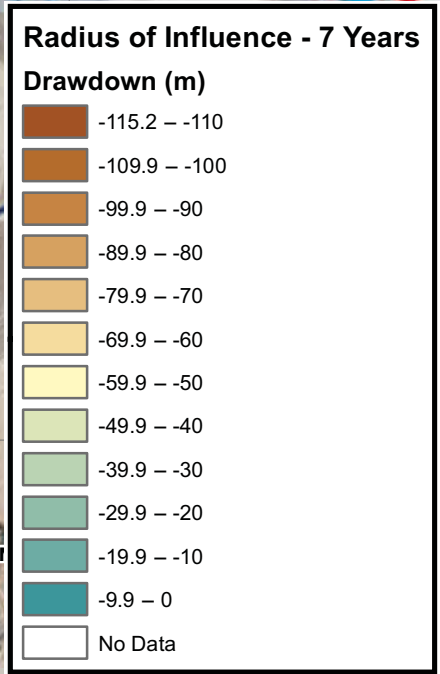
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KPSX Weltevreden Radius of Influence - 7 Years

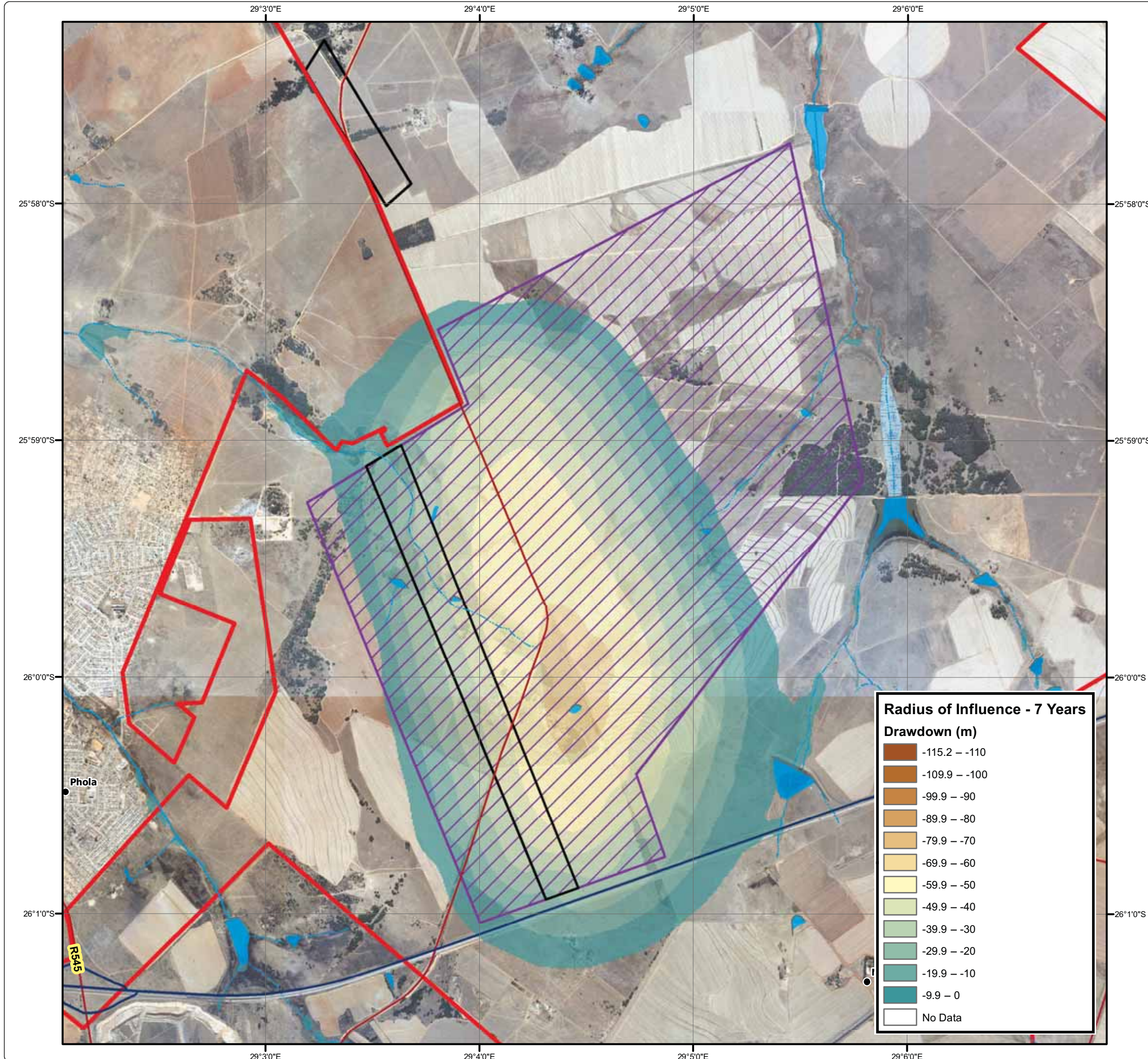
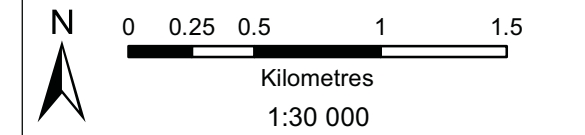
Legend

- Project Area
- Settlement
- Arterial / National Route
- Main Road
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Wetland
- Pit BD
- Boxcut



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Projection: Transverse Mercator Ref #: scm.BHP2690.201503.129
 Datum: WGS 1984 Revision Number: 1
 Central Meridian: 29°E Date: 25/03/2015

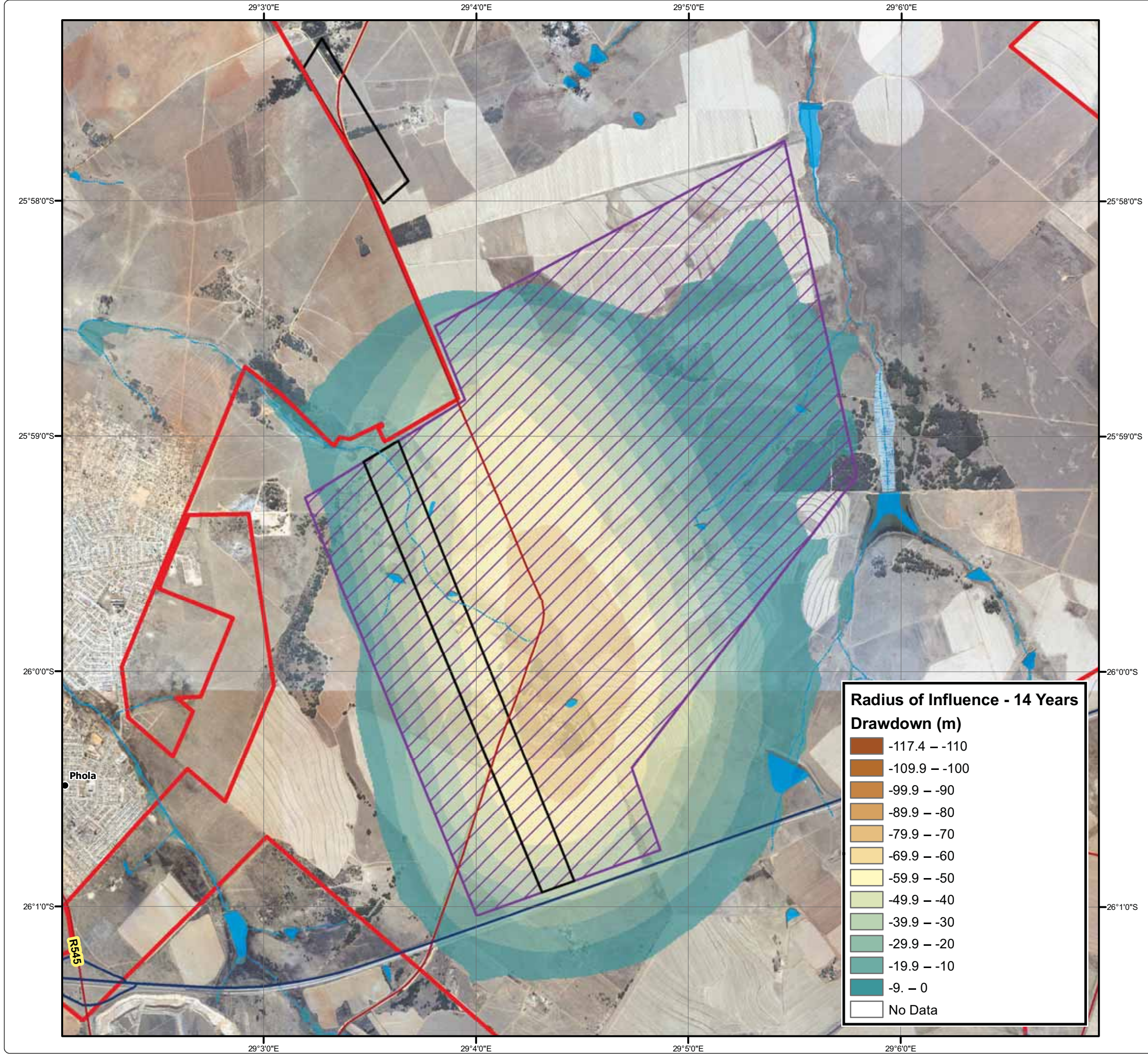
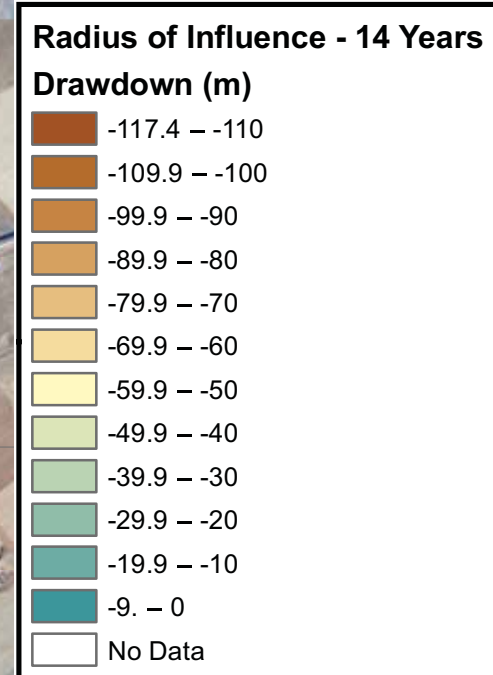



KPSX Weltevreden

Radius of Influence - 14 Years

Legend

- Project Area
- Settlement
- Arterial / National Route
- Main Road
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Wetland
- Pit BD
- Boxcut







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Projection: Transverse Mercator	Ref #: scm.BHP2690.201503.130
Datum: WGS 1984	Revision Number: 1
Central Meridian: 29°E	Date: 25/03/2015

















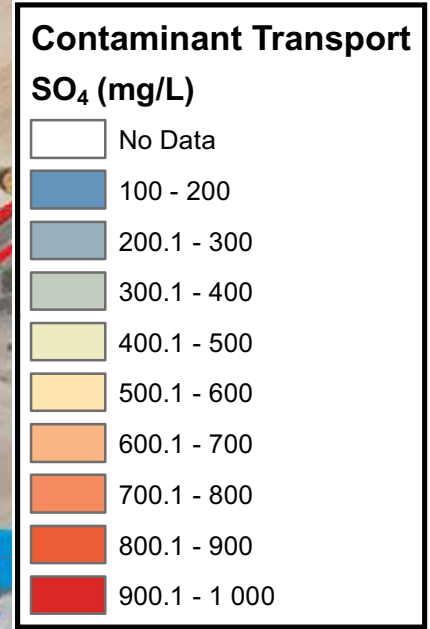
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KPSX Weltevreden Contaminant Transport - 100 Years

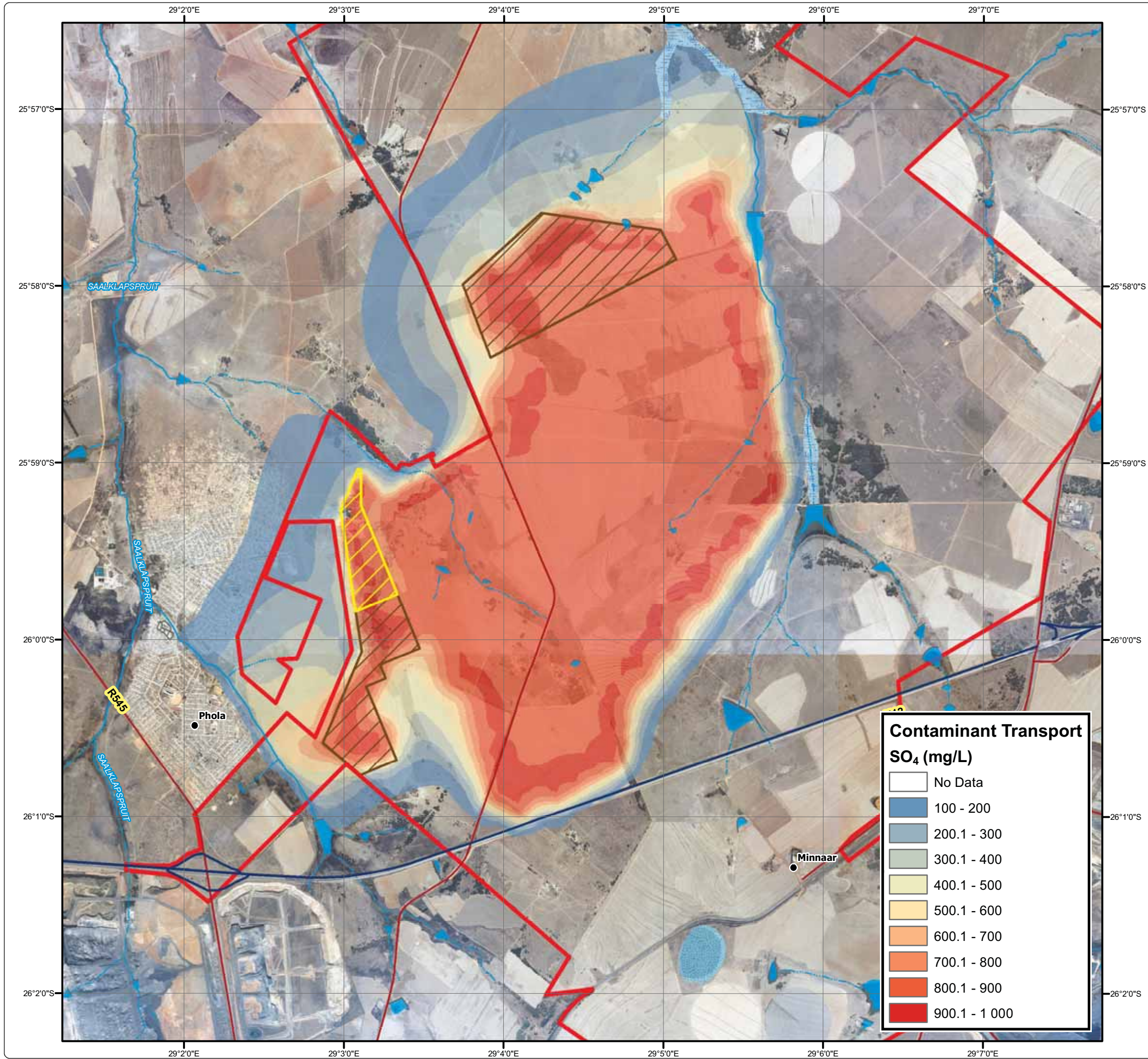
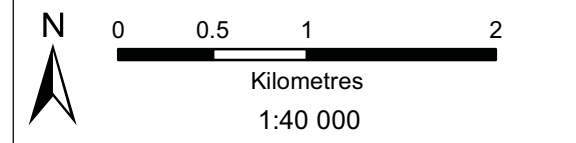
Legend

-  Project Area
-  Settlement
-  Arterial / National Route
-  Main Road
-  Non-Perennial Stream
-  Perennial Stream
-  Dam Wall
-  Dam / Lake
-  Non-Perennial Pan / Stream
-  Perennial Pan
-  Wetland
-  Proposed Overburden Stockpile
-  Proposed Topsoil Strip Stockpile



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Projection: Transverse Mercator Ref #: scm.BHP2690.201503.133
 Datum: WGS 1984 Revision Number: 1
 Central Meridian: 29°E Date: 25/03/2015



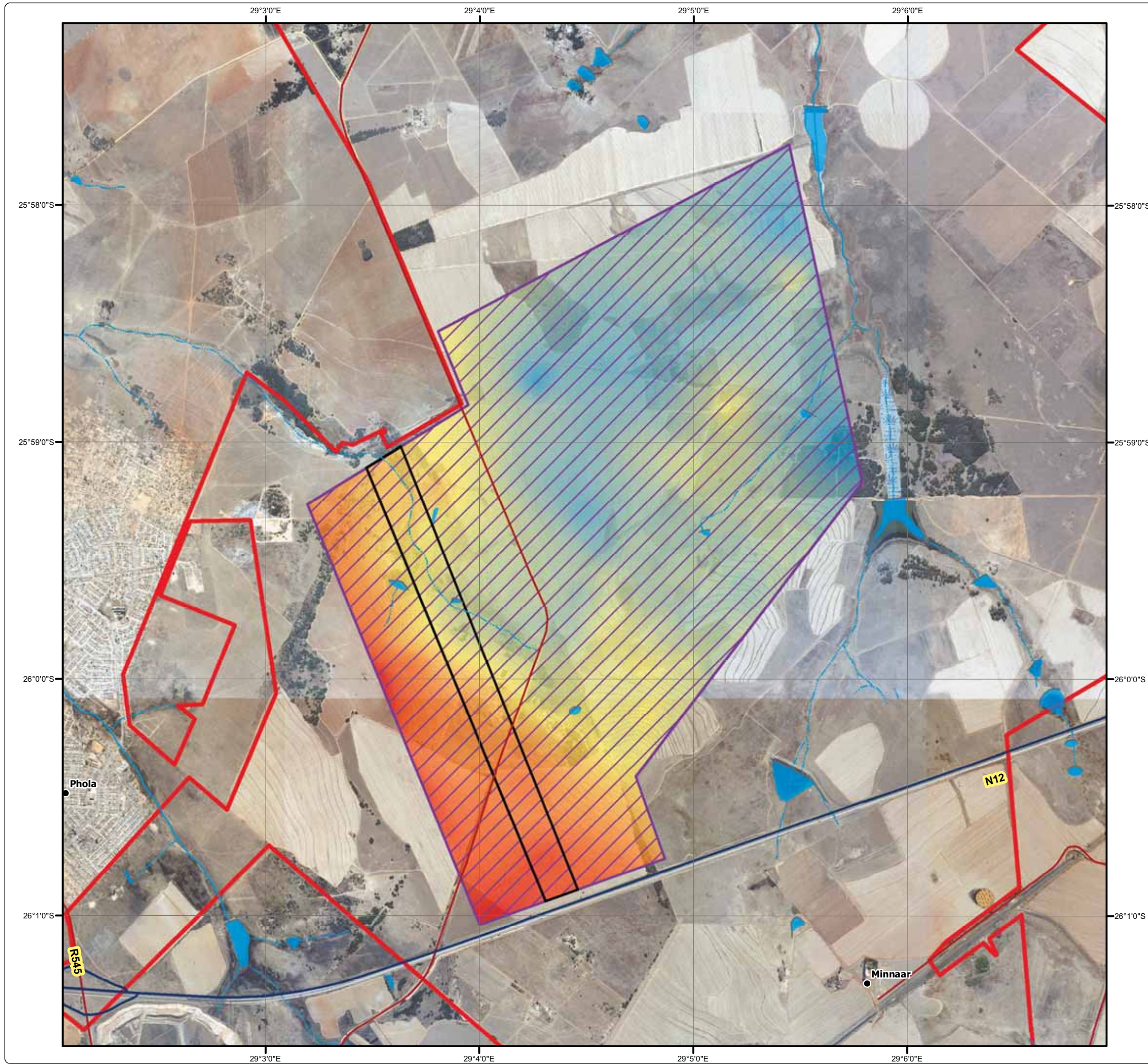
KPSX Weltevreden Coal Seam 1 Floor Contours

Legend

- Project Area
- Settlement
- Arterial / National Route
- Main Road
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Wetland
- Pit BD
- Boxcut

Coal Seam
Elevation (m.a.m.s.l.)

High : 1536
Low : 1445



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Projection: Transverse Mercator	Ref #: meg.BHP2690.201504.002
Datum: WGS 1984	Revision Number: 1
Central Meridian: 29°E	Date: 01/04/2015

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Kilometres
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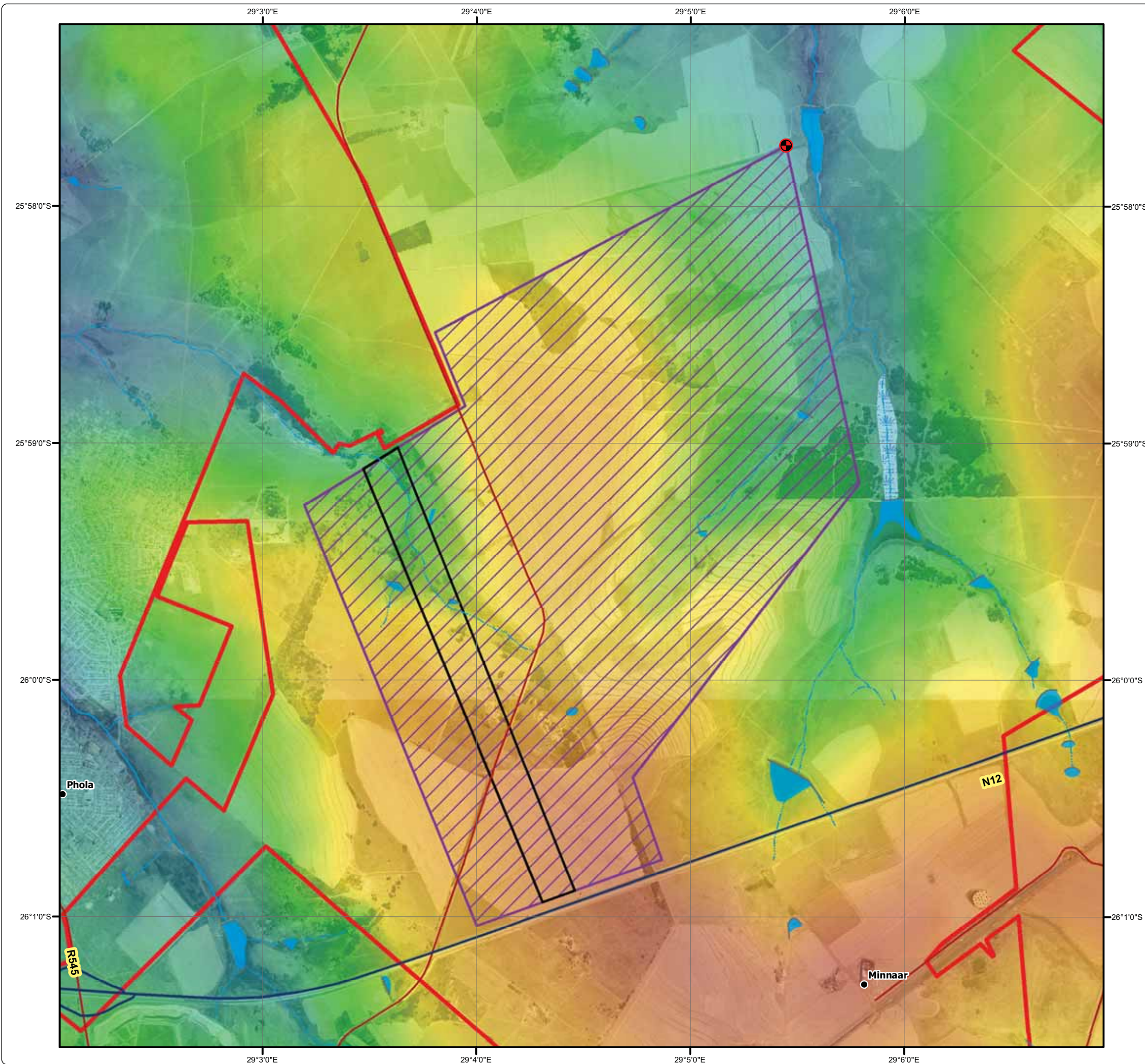
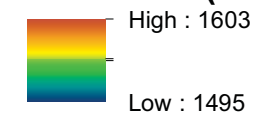
Decant Location

Legend

- Project Area
- ⊕ Decant Point
- Settlement
- Arterial / National Route
- Main Road
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Wetland
- Pit BD
- Boxcut

Topographical Model

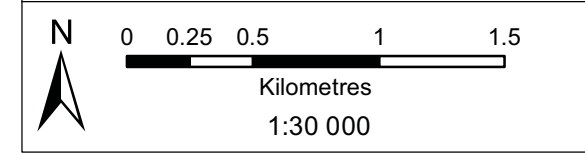
Elevation (m.a.m.s.l.)




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Projection: Transverse Mercator	Ref #: meg.BHP2690.201504.001
Datum: WGS 1984	Revision Number: 1
Central Meridian: 29°E	Date: 01/04/2015



KPSX Weltevreden

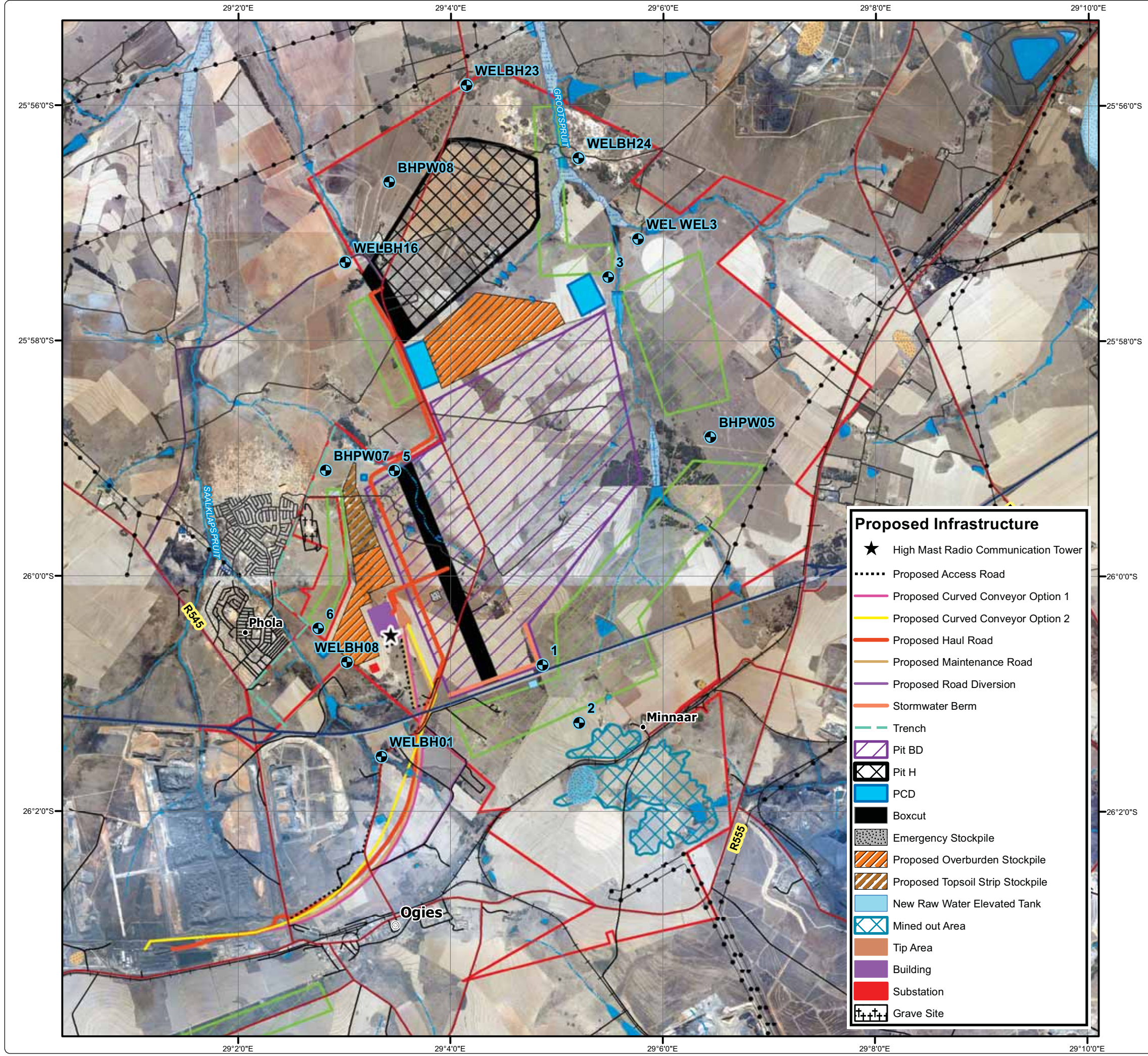
Recommended Monitoring Boreholes

Legend

- Project Area
- ⊕ Recommended Monitoring Points
- ⊙ Secondary Town
- Settlement
- Power Line
- Arterial / National Route
- Main Road
- Minor Road
- - - Track
- + + + Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Non-Perennial Pan / Stream
- Perennial Pan
- Wetland
- Areas Requiring Further Investigation

Proposed Infrastructure

- ★ High Mast Radio Communication Tower
- - - - - Proposed Access Road
- Proposed Curved Conveyor Option 1
- Proposed Curved Conveyor Option 2
- Proposed Haul Road
- Proposed Maintenance Road
- Proposed Road Diversion
- Stormwater Berm
- Trench
- Pit BD
- Pit H
- PCD
- Boxcut
- Emergency Stockpile
- Proposed Overburden Stockpile
- Proposed Topsoil Strip Stockpile
- New Raw Water Elevated Tank
- Mined out Area
- Tip Area
- Building
- Substation
- Grave Site



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Projection: Transverse Mercator Ref #: mpl.BHP2690.201503.021
 Datum: WGS 1984 Revision Number: 1
 Central Meridian: 29°E Date: 03/03/2015

