

LAYOUT  
SCALE 1:1000

SETTING OUT TABLE		
WGS 84		
BORROW PIT AREA EXTENT = 3.40 HECTARES		
POINT	Y-COORD	X-COORD
B1	61702.545	3255728.020
B2	61686.903	3255745.939
B3	61668.937	3255762.620
B4	61661.655	3255825.230
B5	61667.032	3255862.044
B6	61690.353	3255904.150
B7	61706.529	3255920.543
B8	61714.591	3255884.964
B9	61711.784	3255754.563
B10	61714.333	3255738.228

COORDINATE LIST		
WGS 84		
GEOTECHNICAL TRIAL PIT LOCATIONS		
POINT	Y-COORD	X-COORD
TP 1	61711.000	3255859.000
TP 2	61723.000	3255824.000
TP 3	61688.000	3255814.000
TP 4	61666.000	3255841.000
TP 5	61704.000	3255743.000
TP 6	61775.000	3255786.000
TP 7	61725.000	3255928.000

BORROW MATERIAL	
APPROXIMATE BORROW QUANTITIES REQUIRED	
LAYER (TBA)	QUANTITY (m³)
BORROW MATERIAL	34 000

NOTES  
1. REFER TO DOCUMENT NO. H500275 3 114 C RPT 0027 MS, REPORT ON GEOTECHNICAL ENGINEERING SURVEY, FOR DETAILED GEOTECHNICAL TRIAL PIT RESULTS AND RECOMMENDATIONS.



BORROW PIT  
LOCALITY PLAN

**NOTES**  
1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.  
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
0B	APPROVED FOR ENQUIRY				
0A	INTERNAL REVIEW				

CONTRACTOR / CONSULTANT			
TITLE	NAME	SIGN	DATE
DRAWN	MAHUMA	[Signature]	12 11 30
CHECKED	[Signature]	[Signature]	12 12 13
DISC.LEAD			
ENG.MANAGER			
PROJECT MGR	[Signature]	[Signature]	12 11 13

TRANSNET CAPITAL PROJECTS			
TITLE	NAME	SIGN	DATE
PR.ENG. / PR.TECH./PR. ARCH	[Signature]	[Signature]	12 11 13
SIGNATURE	[Signature]	[Signature]	12 11 13
REG. NUMBER	[Signature]	[Signature]	12 11 13
SCALE:	AS SHOWN		

HATCH DRAWING No: H339473-3212-10-042-0005-001

Transnet Capital Projects

TRANSNET

TRANSNET LTD (PROMOTED AS TRANSNET CAPITAL PROJECTS) REG. NO. 199690000006  
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P.O. BOX 1073, DURBAN FAX: 0866 770815

**NGQURA 16 MTPA MANGANESE**

**RAIL INFRASTRUCTURE  
BELMONT STATION  
BORROW PIT  
GENERAL ARRANGEMENT**

PROJECT NUMBER OD FBS DIS TYPE DRAWING NO. SHEET REV ID  
H 3 3 9 4 7 3 - 3 - 2 1 2 - C - G A - 0 0 0 5 - 0 1 - 0 B HA

SIZE A1 DATE: 2011/05/12









DRAWING NO. REFERENCE  
REFERENCE DRAWINGS

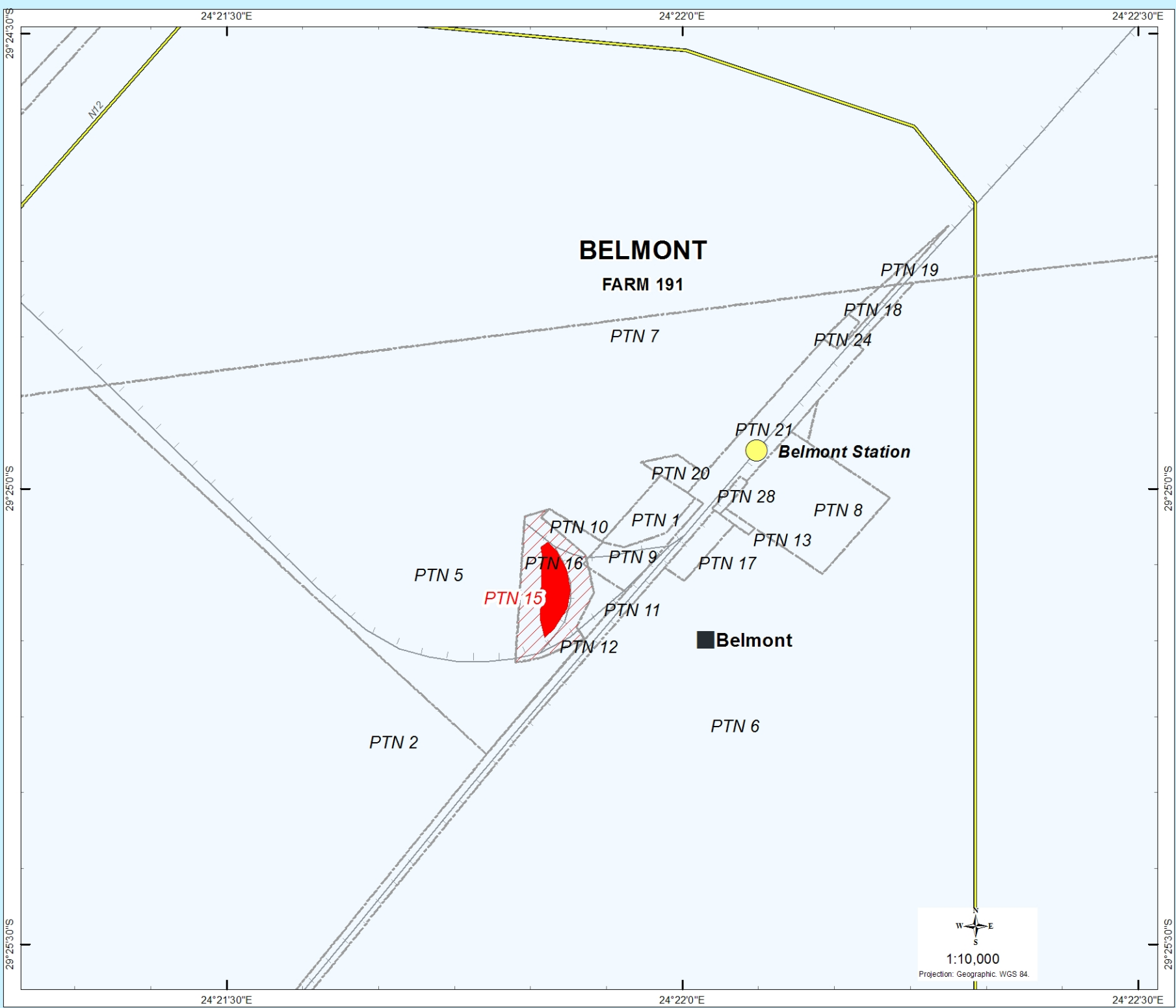
# NGQURA 16 MTPA MANGANESE: Cadastral map - Belmont Borrow Pit

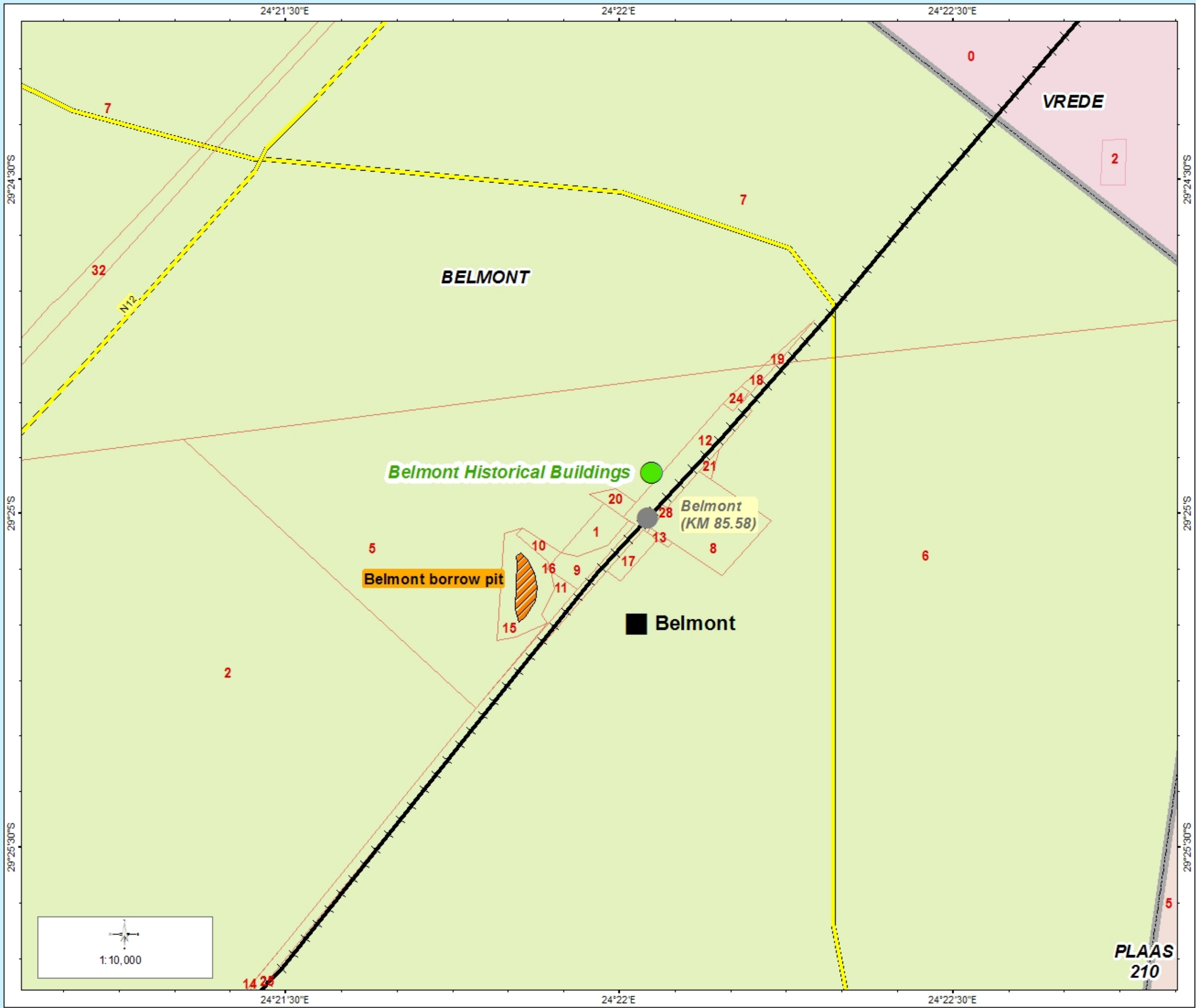
Acknowledgements:  
1/50 000 Vector data set was obtained from the  
Chief Directorate: Surveys and Mapping (2008)

Disclaimer Example:  
Although the greatest care has been taken to  
ensure that this map is up to date and accurate,  
HATCH gives no warranty, express or implied,  
as to the accuracy, reliability, completeness or  
utility of this information.

**Legend**









-  Borrow pit
-  Farm Boundary
-  Farm Portions
-  Farm Portions
-  Belmont Station
-  Roads
-  Towns
-  Railway Line





# NGQURA 16 MTPA MANGANESE: Heritage Sites - Belmont Borrow pit

## Legend

-  Farm Boundary
-  Farm Portion
-  Belmont borrow pit
-  Heritage Site
-  Rail Line
-  Town
-  Road
-  Rail Station

### Data sources and acknowledgements

HATCH: Heritage site positions, Stations, Rail line  
 DWA: River data  
 NGI: Roads, Towns, Province boundaries  
 Disclaimer:  
 Although the greatest care has been taken to ensure that this map is up to date and accurate, HATCH gives no warranty, express or implied, as to the accuracy, reliability, completeness or utility of this information.

### INSET MAP:



Map produced by:  
 HATCH

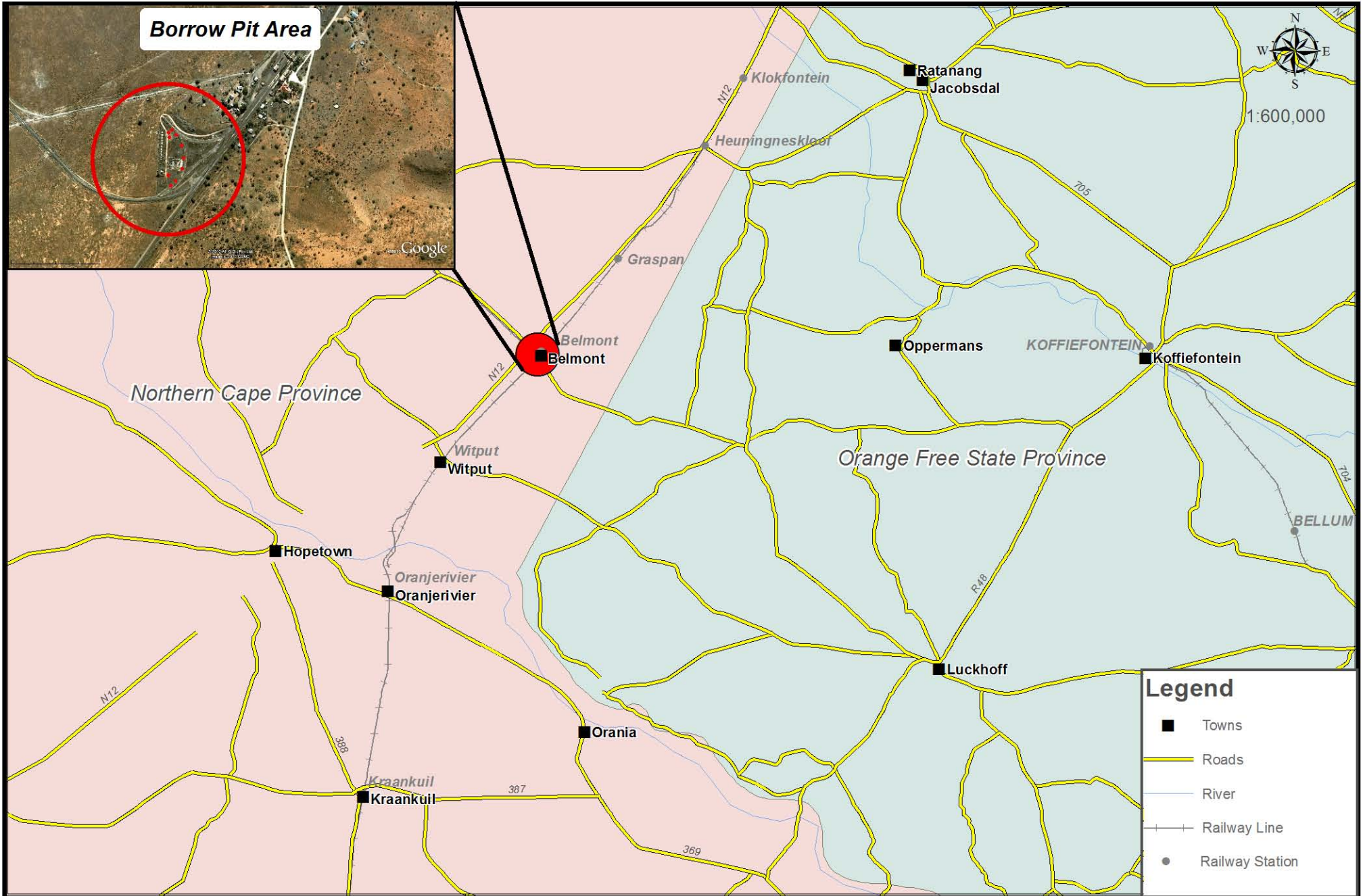
Map Date: JANUARY 2013

Map represented in Geographic coordinates - not to be used for accurate measurements.

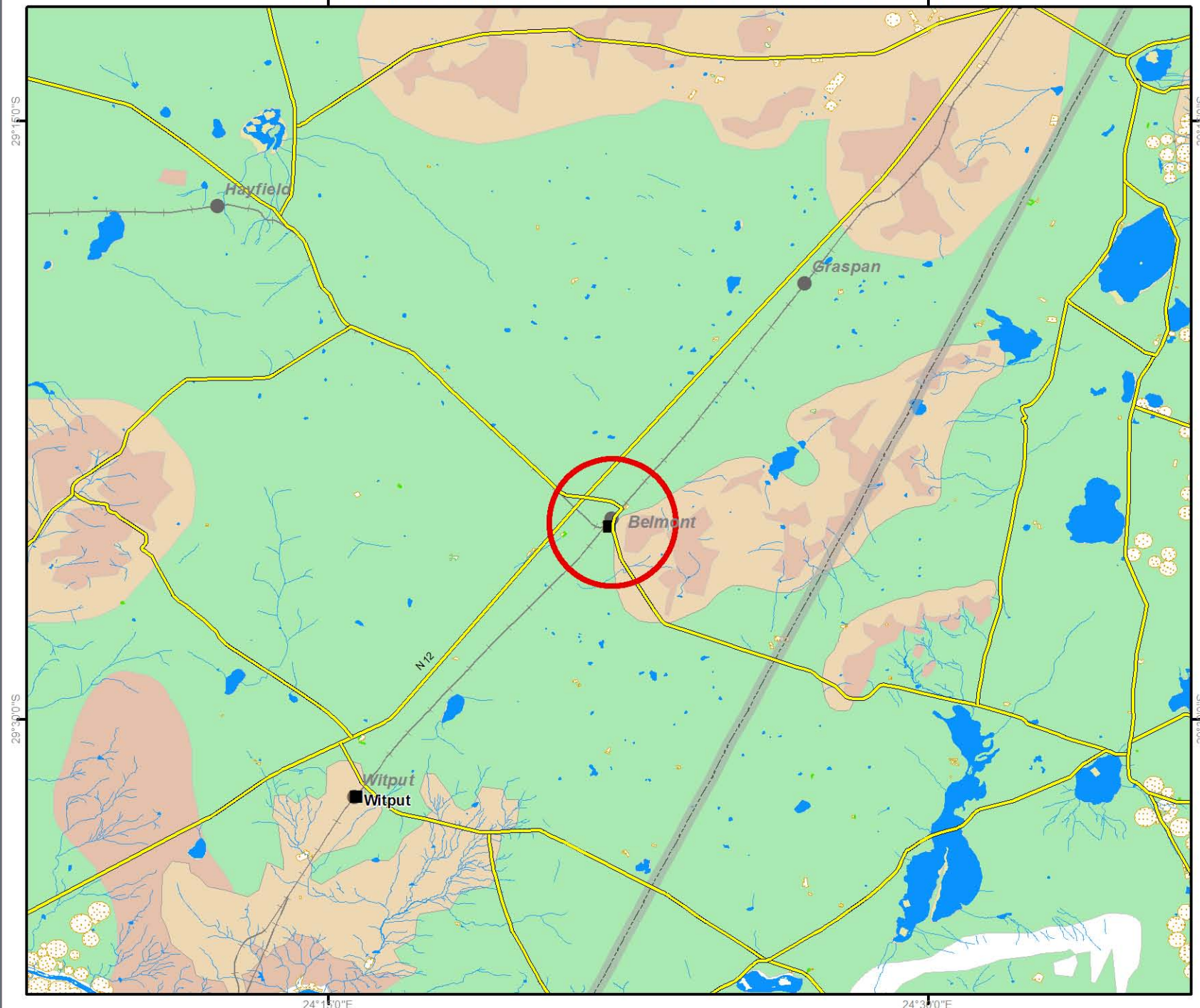
**PLAAS  
210**

1:10,000

# LOCALITY MAP: BORROW PIT BELMONT STATION



# SENSITIVITY MAP: BORROW PIT BELMONT STATION



This map shows the vegetation- and land use types in the Belmont area

Data sources:  
 All main feature data sets: Rural development and land reform (2008)  
 Vegetation map: SANBI (2006)

## LEGEND (main features)

- Towns
- Roads
- River
- Railway Line
- Railway Station
- River area
- Vegetation

## Classification:

### Vegetation Map:

- Highveld Salt Pans (Least threatened)
- Kimberley Thornveld (Least threatened)
- Northern Upper Karoo (Least threatened)
- Upper Gariep Alluvial Vegetation (Vulnerable)
- Vaalbos Rocky Shrubland (Least threatened)

### Vegetation Type:

- Cultivated land
- Orchard vineyard
- Woodland

### Land use Type:

- Land use
- Caravan park
- Cemetery
- Golf course
- High urban density
- Low urban density
- Recreation area
- Rifle range

1:250,000