

## **APPENDIX 1**

### **MAP OF STUDY AREA & ALIGNMENT OPTIONS**

**BASE MAP  
with  
ALTERNATIVE  
ALIGNMENTS**

MAP DATE: 18 January 2008

Proposed Zeus-Mercury 765kV transmission line alternatives:

- Eastern Alignment
- Western Alignment 1 and 2
- Central Alignment
- Alignment Alternative 1
- Alignment Alternative 2
- Alignment Alternative 3
- Alignment Alternative 4
- Alignment Alternative 5A
- Alignment Alternative 5B

- Existing transmission line
- Railway Line
- National Routes
- Main Roads
- Secondary Roads
- Streets and other access roads
- Non-perennial Rivers
- Perennial Rivers
- 20 Meter Contours
- Centre Pivots
- Railway Stations
- Study area
- Farms subdivisions
- Parent Farms
- Dams & Lakes
- Vredefort Dome core area boundary
- Vredefort Dome 5km buffer
- Cultivated dryland
- Cultivated irrigated
- Built-up Areas

MAP SCALE: 1:100 000 (A3)  
PROJECTION: DD WGS84, Lo29

MAP DATE: 18 January 2008  
SOFTWARE: ArcView3.2, ArcGIS9  
SOURCES: SG; SA Explorer;  
STATSSA; ESKOM

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