APPENDIX 1

Figures 16 - 24
Figure 16: The area that are susceptible to inundation in the Rietvleien 2528 CD map sheet
Figure 17: The area where potential exist of sinkhole formation in the Rietvlei area 2528 CD map sheet
Figure 18: The area covered by slope instability characteristics in the Rietvleiam 2528 CD map sheet
Active or expansive soil is present (amount of expected heave is unknown).

Low expansion (heave is expected to be 0 - 5 mm).

Moderate expansion (heave is expected to be 5 - 30 mm).

High expansion (heave is expected to be greater than 30 mm).

Figure 19: The area covered by potentially collapsible soils and the severity classes thereof in the Rietvleiam 2528 CD map sheet.
Figure 20: The excavatability characteristics of the soil and the severity classes thereof in the Rietvleiam 2528 CD map sheet area
Settlement potential is present (amount of decrease in soil volume is unknown)

Low settling potential (1–5 % expected decrease in soil volume)

Moderate settling potential (5–10 % expected decrease in soil volume)

Severe settling potential (10–20 % expected decrease in soil volume)

Figure 21: The area covered by potentially collapsible soils and the severity classes thereof in the Rietvlei 2528 CD map sheet area
Figure 22: The area that exhibit erodible soils in the Rietvlei Dam 2528 CD map sheet
Figure 23: The area that exhibit a shallow water table in the Rietvlei 2528 CD map sheet
Figure 24: The expected permeability of the soils in the Rietvleiam 2528 CD map sheet area