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The location, hazard assessment and sealing of unsafe mine openings in the Central Witwatersrand Gold Mining Basin

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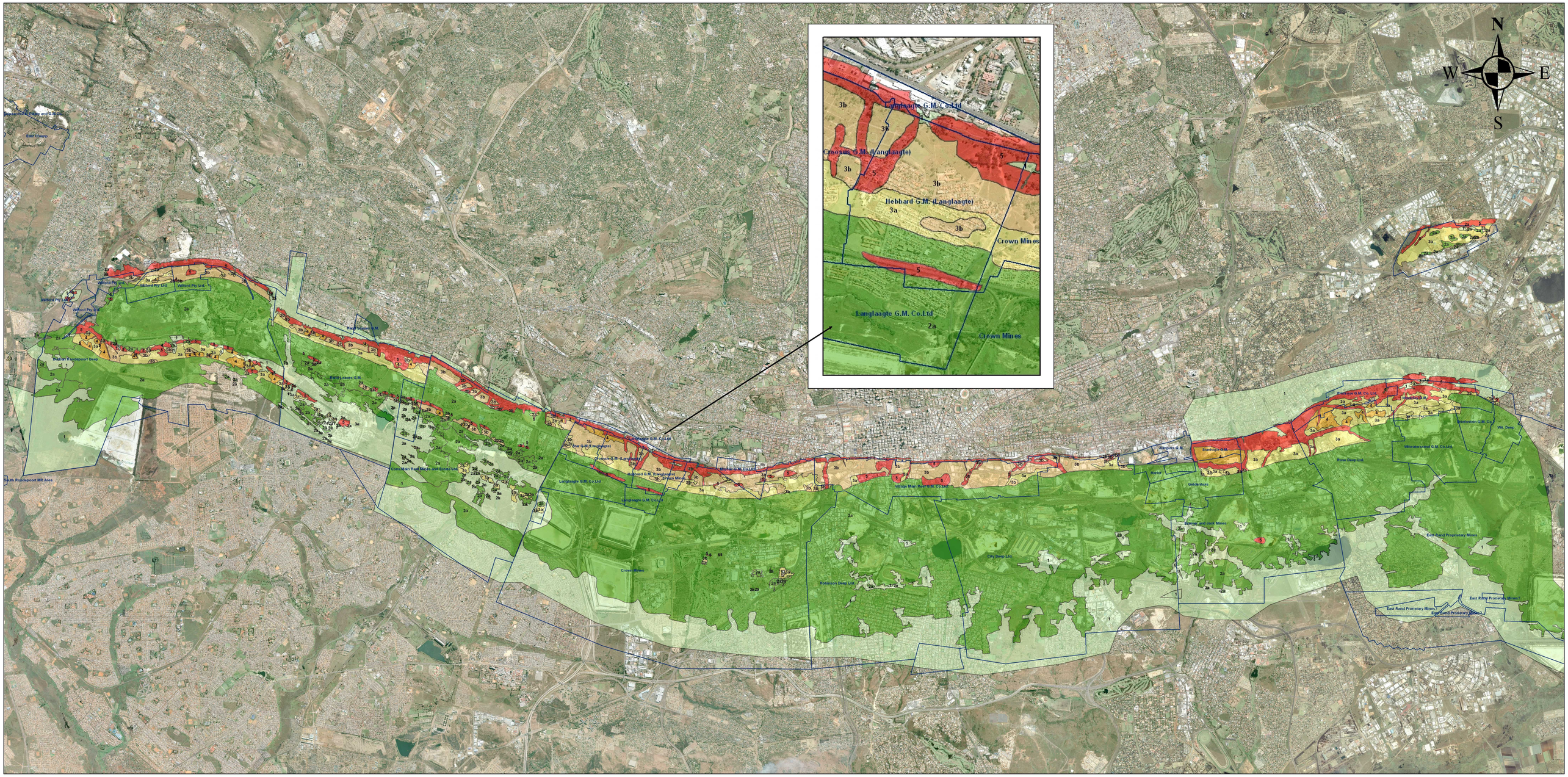
CENTRAL WITWATERSRAND MINING LAND STUDY
SUBSIDENCE RISK ANALYSIS (BARKER,1993)



Legend

- 1- No undermining(North of Reef)
- 2a-Negligable risk to structures. Minor elastic deformation-condition will not change were mining to reoccur
- 3a-Negligable risk to structures. Minor elastic deformation-condition would change significantly were mining to reoccur
- 3b-Zone of previously significant surface movement has now reached a minimum i.e. no mining since 1963. Condition could dramatically change were mining to recommence
- 4-Zone in which rate of surface movement is in decline i.e. mining has occurred in the period between 1963 & 1983
- 5- Zone of incipient instability

0 1 2 4 6 8 Kilometers

1:35,000

Council for Geoscience