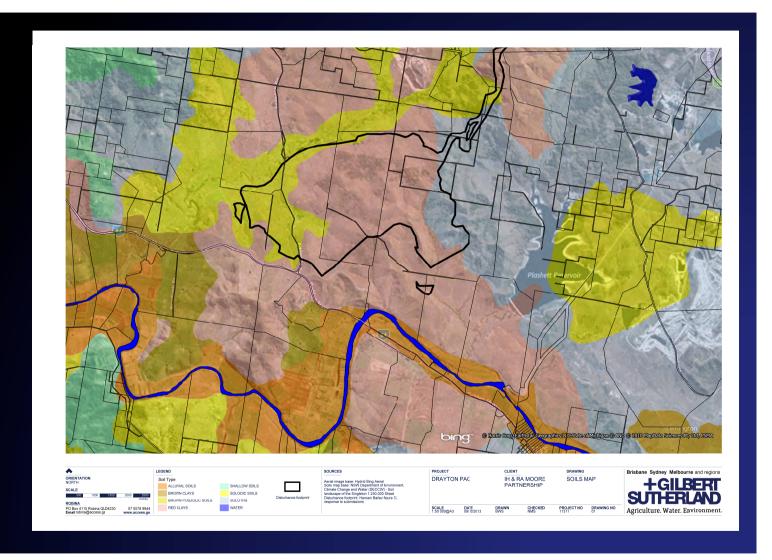
## SOIL MAPPING (Method)

- Scale of mapping unspecified
- Maps appear to be 1:50,000
- 30 test pit observation density does not comply with Mackenzie et al. 2008 guidelines of 1 per 100ha (table 14.4). The 4600 ha site would require some 46 observation sites of which if using a medium intensity survey 15-35% detailed descriptions, 1-5% deep drilling profiles for lab samples 55 to 83% ground observations
- Method appears not to have used a systematic unique mapping area (UMA)
  approach to delineate mapping units or the report does not report the analysis or
  outcomes
- Observation density is at lower end of the recommended rate for 1:100,000 scale
- Criteria to determine agricultural capability not specified
- Criteria for assessment of land suitability not specified









## SOIL MAPPING (Outcomes)

- Given scale of mapping and corresponding accuracy of maps there may be significant variability in soil and land types on the subject site
- Lack of clear criteria for assessment of capability and suitability makes assessment appear subjective with little objective basis
- Given scale and subjectivity of assessment the reliability of the soils, suitability and capability assessment – maps questionable

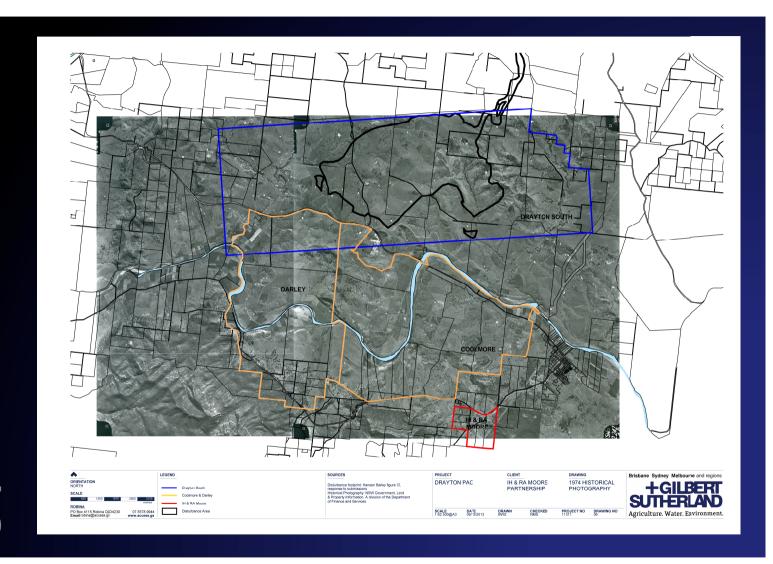




## AGRICULTURAL ASSESSMENT (Method)

- Agricultural impact assessment assessed against the NSW DPI guideline: NSW Government Strategic Regional Land Use Policy Delivery – Guideline for agricultural impact statements
- Focus of agricultural impacts is on the site itself and the offset site does not address impacts on neighbouring farms
- Only cursory examination of surrounding properties
- Consequently report fails to address issues
- No sensitivity analysis of assumptions & values used in assessments
- No uncertainty analysis in report
- Impacts of risk and uncertainty are assessed and likelihood of uncertainty eventuating not assessed





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