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Salinity Test Results

Client: **Zac Homes Pty Ltd**

Project No: **33317-ZAC**

Address**: Lot 67 (12) Anthony Crescent KINGSWOOD**

Date: **22-5-2018**

Our Reference: **33317-ZAC-SAL**

A visit was made to the above site on the 18th May 2018 for the purpose of salinity testing.

A salinity test was sampled at bore hole 1, located at a depth approximately 500mm-1500mm below the existing surface level. The sample was submitted to our laboratory for analysis. Test results and salinity classification is summarised in the table below.

Test Number	E1	E2
Soil Texture Group	Clay loam	Clay loam
Electrical Conductivity EC (1:5) dS/m	0.035	0.049
Electical Conductivity ECe	0.31	0.44
Classification	Non saline	Non saline
Exposure Classification	A1	

**multiplication factor of 9 for clay loam*

This classification scheme is based on agricultal sensitivity. At this point in time, no structure based classification exists.In areas where Salinity has been highlighted as a potential issue, good management practices should still be adopted especially in low lying areas to prevent increased salinity in the future. Strategies for management of salinity and related properties should be directed at;

- Maintaining the natural water balance
- Maintaining good drainage
- Avoiding disturbance or exposure of sensitive soils
- Retaining or increasing appropriate native vegetation in strategic areas
- Implementing building controls and engineering responses where appropriate

References

1.Guide to Residential Slabs and Footings in Saline Environments
2.Site investigations for Urban Salinity