

ISLAND SOIL TESTING



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Island Soil Testing & Foundation Design
14 Cooee Crescent, Macleay Island (ABN 78229845467)

SOIL PERMEABILITY REPORT for ON-SITE DOMESTIC WASTE WATER SITE EVALUATION (AS1547:2012)

MEAGAN SHEPPARD

JOB 504151 71 WOODLANDS CCT RUSSELL ISLAND (L76/RP124435)

Test Date: 19 April 2023

Watertable sighted :No Evidence of Fill: No Vegetation: Bushy & Large Trees Site Drainage: Well Drained

Exposure: Shaded Area LAA Lowest Borehole NS Level: 14.6mAHD Little if any Clearing

Slope Shape: PLANAR UNIFORM Slope range: 5% to 10% - i.e.6.13% (3.5°) Falling to SOUTH EAST

Average soil permeability (Ksat) value from three test locations of 2.63 m/day.

Sample Point	Depth (m)	Soil Classification					Moisture Indication
		Soil Type / Colour (Description)	Structure	Category	Comments	BH Ksat (m/day)	
BH1	0.0 > 0.3	Sandy Loam (Yellow Grey)	Massive	Cat. 2	Very Sandy	2.70	Slightly Moist
	0.3 > 0.6	Sandy Loam (Yellow Grey)	Massive	Cat. 2	Gravelly to 15mm		Dry
	0.6 > 0.9	Loam (Yellow Brown)	Moderate Structured	Cat. 3			Slightly Moist
	1.5	Clay Loam (Red Yellow Brown)	Weakly Structured	Cat. 4	Very Sandy		Slightly Moist
BH2	0.0 > 0.3	Sandy Loam (Yellow Grey)	Massive	Cat. 2	Very Sandy	2.50	Slightly Moist
	0.3 > 0.6	Sandy Loam (Yellow Grey)	Massive	Cat. 2	Gravelly to 15mm		Dry
	0.6 > 0.9	Loam (Yellow Brown)	Moderate Structured	Cat. 3			Slightly Moist
	1.5	Clay Loam (Red Yellow Brown)	Weakly Structured	Cat. 4	Very Sandy		Slightly Moist
BH3	0.0 > 0.3	Sandy Loam (Yellow Grey)	Massive	Cat. 2	Very Sandy	2.70	Slightly Moist
	0.3 > 0.6	Sandy Loam (Yellow Grey)	Massive	Cat. 2	Gravelly to 15mm		Dry
	0.6 > 0.9	Loam (Yellow Brown)	Moderate Structured	Cat. 3			Slightly Moist
	1.5	Clay Loam (Red Yellow Brown)	Weakly Structured	Cat. 4	Very Sandy		Slightly Moist

REPRESENTATIVE IMAGES (DEPTHS: 0.3m, 0.6m, 0.9m & 1.5m & PIT)

0.3m DEPTH PICTURE	0.6m DEPTH PICTURE	0.9m DEPTH PICTURE	1.5m DEPTH PICTURE

Site investigation showed the average soil permeability (Ksat) value from three test locations of 2.63 m/day. Designers should refer to Note 2 of Table 5.1 of AS1547:2012.

Signed

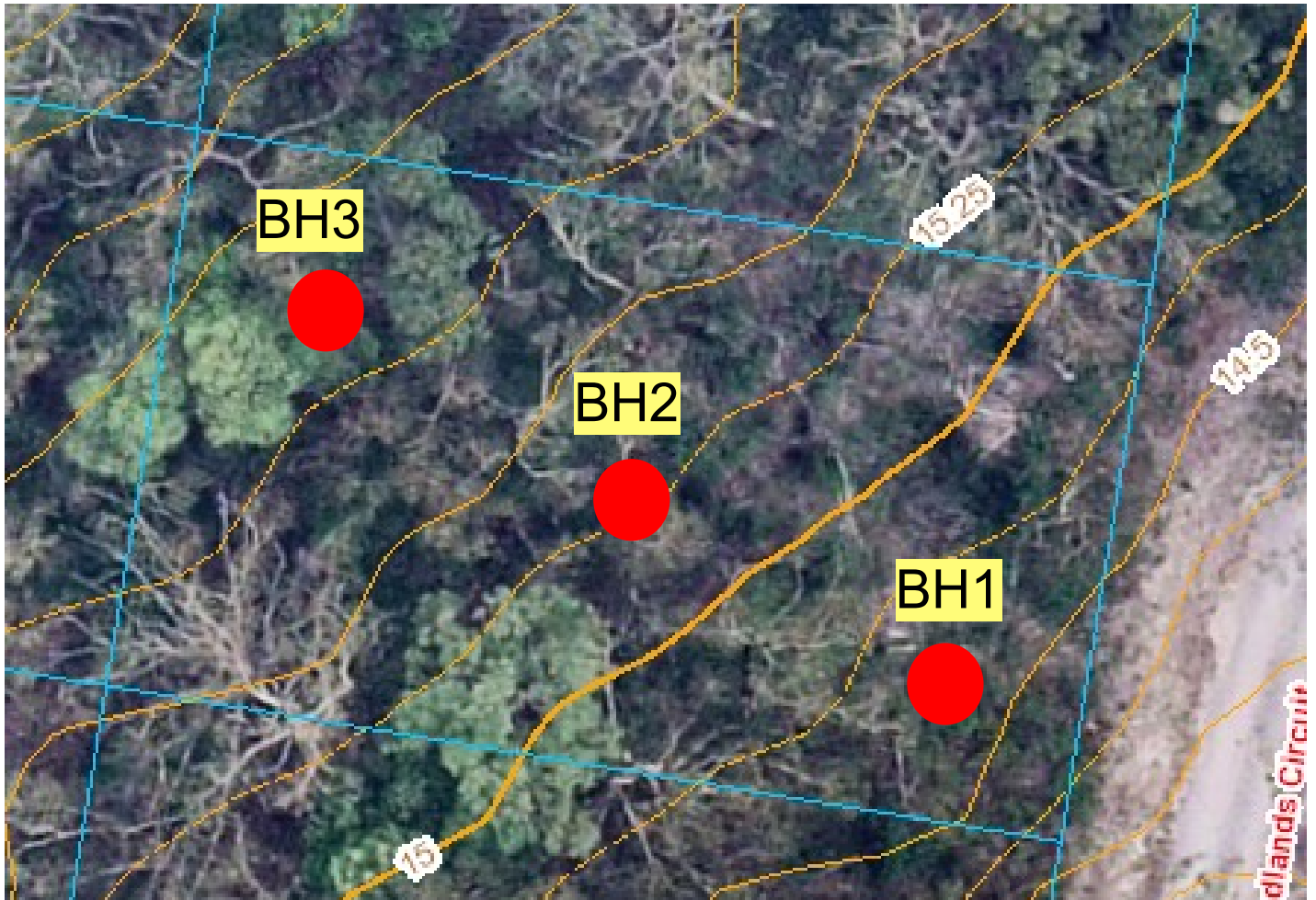
Raymond Saunders
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Slope range: 5% to 10% : Recommended maximum slope for a bed is 5% : Steep slopes can cause greater run-off during wet weather: max recommended slope is 6% (AS1547-2000). Minor Earthworks required to level bed area. Consult wastewater designer.



BORE HOLE LOCATIONS

71 WOODLANDS CIRCUIT
RUSSELL ISLAND





SITE ASPECT PICTURE

71 WOODLANDS CIRCUIT

RUSSELL ISLAND

