



6 Point Hydraulic Conductivity

Sample Drop Off: 16 Chilvers Road
Thornleigh NSW 2120

Mailing Address: PO Box 357
Pennant Hills NSW 1715

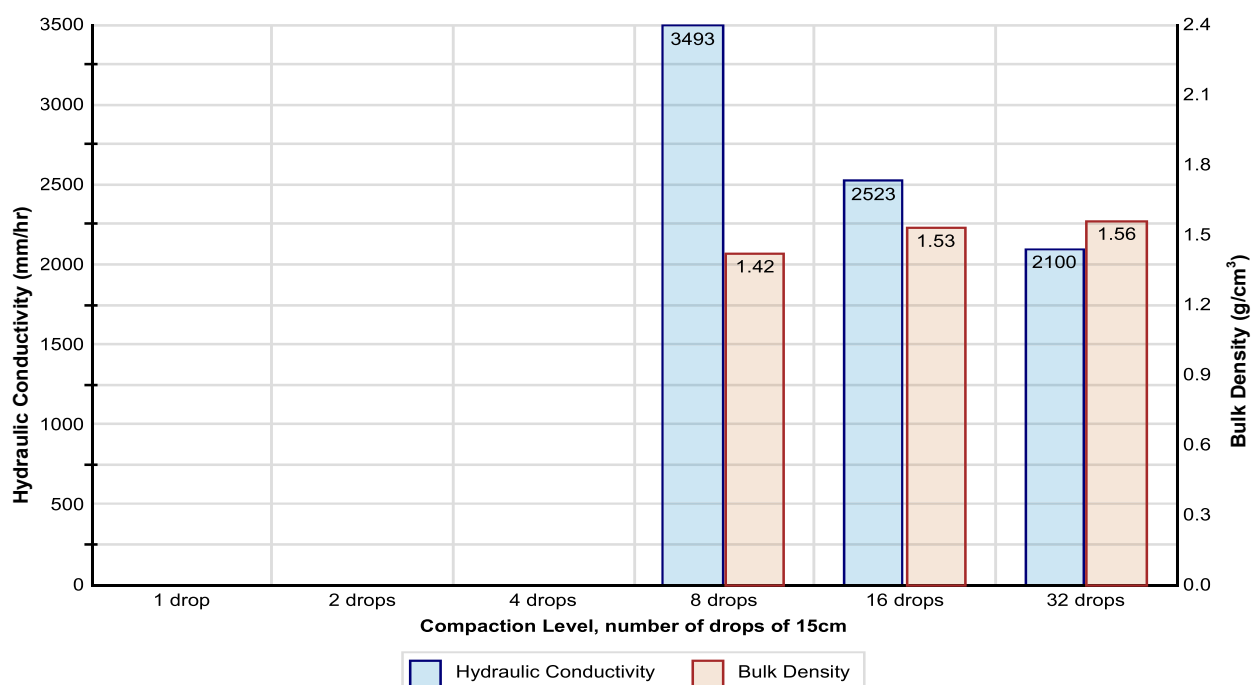
Tel: 1300 30 40 80
Fax: 1300 64 46 89

Em: info@sesl.com.au
Web: www.sesl.com.au

Batch N°: 58133 **Sample N°:** 1 **Date Received:** 25/9/20 **Report Status:** Final

Client Name: Tharwa Sands **Project Name:** Washing River sand
Client Contact: Miranda Hyles **SESL Quote N°:** Q11647
Client Order N°: **Sample Name:** Washing River Sand
Address: A 534 Parkwood Road **Description:** Sand
WALLAROO NSW 2618 **Test Type:** HC3

SATURATED HYDRAULIC CONDUCTIVITY (Ksat) AND BULK DENSITY



SUMMARY AND RECOMMENDATIONS

Results only requested.

Recommendations by SESL Australia not requested.

METHOD REFERENCES:

Saturated Hydraulic Conductivity and Bulk Density:
SESL Laboratory Manual 4.15, derived from McIntyre, K. & Jakobsen, B, *Drainage for Sportsturf and Horticulture* (1998).

NOTES:

This test method covers the standard procedures and related calculations for determining the saturated hydraulic conductivity under conditions of a falling head of water, and bulk density of turf growing media for sportsfields, and other highly trafficked turf areas. Bulk density is defined as the mass of a unit volume of dry soil. Generally as a soil is compacted, bulk density increases because pore space is reduced. Typical bulk densities for clay and silt loam soils range from 1.0 g/cm³ to 1.5 g/cm³, while the bulk density of sand-based soils range from 1.3 g/cm³ to 1.8 g/cm³. At the upper end of these ranges, the bulk density may inhibit root penetration. In comparison, the USGA recommendation for bulk density of putting greens is 1.2 g/cm³ to 1.6 g/cm³. This sample was tested as received and comments pertain only to the sample shown. SESL is not responsible for the accuracy of this test methods and makes no claims about the ability to predict performance in actual use.

DISCLAIMER OF ENDORSEMENT: The use of trade, firm or company names in this report is for the information and convenience of the reader. Such use does not necessarily constitute or imply an official endorsement or approval by SESL of any product or service to the exclusion of others that may be suitable. This report shall not be used for advertising or product endorsement purposes. This test report contains confidential information and shall not be reproduced except in full, and with the express written approval of SESL. © Sydney Environmental & Soil Laboratory Pty Ltd, 2008.

Consultant:

Neena Goundar

Authorised Signatory:

Neena Goundar

Date Report Generated
28/09/2020