**SLMACC lysimeter site, Lincoln**

Profile 1: Eyre shallow silt loam (Percent stones, sand and clay are based on field estimates.)

Sampled 13/6/13. Described by Sam Carrick.

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| Horizon | Bottom (cm) | Stones (%)4 | Clay (%)4 | Sand (%)4 | Functional  Horizon1 | Structure2 | Colour | Roots | NaF Test |
| Ap | 16 | 0 | 20 | 25 | tLw | mod f+m Py | 10YR 4/2 | Many | 0/5 |
| Ap/Bw5 | 25 | 0 | 20 | 25 | tLw | mod m Py |  | Many | 0/5 |
| Bw | 36-39 | 0 | 20 | 25 | Lw | wk c bk | 2.5Y 6/53 | Many | 1-2/5 |
| 2Bw | 50-55 | 55 | 15 | 50 | VLc | Wk f Py | 2.5 Y 6/5 | Common | 2/5 |
| 2BC | 65-75 | 70 | 80 | 5 | VAc | M sg c | 2.5Y 4/3 | Few | 2/5 |
| 2C | 120+ | 70 | 90 | 5 | VAc | M sg c | 5Y 4/2 | Few | 2/5 |

1Functional Horisons – described in Webb and Lilburne (2011). t=topsoil, V=very stony, S=stony, Loamy, A=sandy, l=loose, w=weak, s =slightly firm, f=firm, c=compact

2Structure wk=weak, mod= moderate, f=fine, m=medium, c=coarse, gr=gross, v=very, Py = Polyhedral, bk=block, mass=massive, sg= single grain.

3 Grades to 2.5Y 6/4 at base of horizon

4 Percent stones, sand and clay are based on field estimates. Refer to laboratory data for actual values. Clay/sand % are the fine earth fraction (i.e. not corrected to whole soil).

5 Major horizon transition at 19-20cm depth, some mixing above/below this

