# Eden Soil NOTES

TOTAL number of cores: 576

Core Number Ranges:

001 – 162. TOTAL = 162

2001 – 2048. TOTAL = 48

3001 – 3162 (NB one set of six double-ups). TOTAL = 168

5001 – 5072 (NB two sets of six double-ups). TOTAL = 84

6001 – 6126 (NB Gaps 6037 – 6042 and 6073 – 6078 inclusive): TOTAL = 114

## Preparation for Total C and N analysis:

18 trays with 100 sample tubes, 1 tray with 58 sample tubes. TOTAL = 1858

On each tray (except for tray 19):

* One core which has five 1 gram replicates (list below) = **95**
* Thirty cores which have three 1 gram replicates = **1668**
* Two cores which have a single 1 gram replicate (on every tray – core no.s 031 and 3075. N.B. core 3075 also has 3 replicates on Tray10) = **38**
* One replicates of each of the “Eden C standards” (detailed below). = **57**

Core no.s with 5 replicates:

Tray 1: 096

Tray 2: 027

Tray 3: 094

Tray 4: 005

Tray 5: 088

Tray 6: 158

Tray 7: 3044

Tray 8: 2037

Tray 9: 3012

Tray 10: 3069

Tray 11: 3011

Tray 12: 3097

Tray 13: 3156

Tray 14: 5006

Tray 15: 5033

Tray 16: 6020

Tray 17: 6092

Tray 18: 6083

Tray 19: 6108

## Eden C Standards

**5% Char 1.5% kaolin (labelled: 6132)**

50g total made up from:

* 12.5g 20% Char
* 6g 12.5% kaolin
* 31.5g Sand

**1% Char 1.5% kaolin (labelled 6131)**

50g total made up from:

* 2.5g 20% Char
* 6g 12.5% kaolin
* 41.5g Sand

**Final standard 12.5% kaolin (labelled 6130)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Concern: have somehow missed a sample because:

18 (trays) X 31 (unique samples) + 17 (unique samples on Tray 19) = 575…

it is sample number 031, which is one of the ones that has a single replicate on every tray.

# Sample re-runs

In March 2015 the following samples were sent back to Melbourne Uni for re-runs:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Sample ID** | **Orig. sample no** | **DONE** |  | **Sample ID** | **Orig. sample no** | **DONE** |
| 1 | 38 | 122 | 16/03/2015 | 38 | 331 | 6132 | 16/03/2015 |
| 2 | 39 | 121 | 16/03/2015 | 39 | 332 | 5 | 16/03/2015 |
| 3 | 40 | 107 | 16/03/2015 | 40 | 333 | 138 | 16/03/2015 |
| 4 | 41 | 115 | 16/03/2015 | 41 | 348 | 6130 | 16/03/2015 |
| 5 | 55 | 98 | 16/03/2015 | 42 | 440 | 128 | 16/03/2015 |
| 6 | 56 | 6131 | 16/03/2015 | 43 | 441 | 6130 | 16/03/2015 |
| 7 | 57 | 106 | 16/03/2015 | 44 | 442 | 131 | 16/03/2015 |
| 8 | 58 | 96 | 16/03/2015 | 45 | 612 | 3044 | 16/03/2015 |
| 9 | 59 | 120 | 16/03/2015 | 46 | 613 | 6130 | 16/03/2015 |
| 10 | 113 | 6 | 16/03/2015 | 47 | 614 | 2046 | 16/03/2015 |
| 11 | 114 | 12 | 16/03/2015 | 48 | 715 | 3047 | 16/03/2015 |
| 12 | 115 | 116 | 16/03/2015 | 49 | 716 | 3006 | 16/03/2015 |
| 13 | 148 | 67 | 16/03/2015 | 50 | 717 | 2022 | 16/03/2015 |
| 14 | 149 | 6131 | 16/03/2015 | 51 | 718 | 2028 | 16/03/2015 |
| 15 | 150 | 87 | 16/03/2015 | 52 | 731 | 2014 | 16/03/2015 |
| 16 | 160 | 27 | 16/03/2015 | 53 | 732 | 2028 | 16/03/2015 |
| 17 | 161 | 6130 | 16/03/2015 | 54 | 772 | 2016 | 16/03/2015 |
| 18 | 162 | 70 | 16/03/2015 | 55 | 773 | 6130 | 16/03/2015 |
| 19 | 167 | 99 | 16/03/2015 | 56 | 774 | 3006 | 16/03/2015 |
| 20 | 168 | 51 | 16/03/2015 | 57 | 808 | 3074 | 16/03/2015 |
| 21 | 178 | 6 | 16/03/2015 | 58 | 829 | 3074 | 16/03/2015 |
| 22 | 179 | 12 | 16/03/2015 | 59 | 835 | 6131 | 16/03/2015 |
| 23 | 220 | 75 | 16/03/2015 | 60 | 843 | 6130 | 16/03/2015 |
| 24 | 221 | 28 | 16/03/2015 | 61 | 844 | 3005 | 16/03/2015 |
| 25 | 222 | 15 | 16/03/2015 | 62 | 939 | 3159 | 16/03/2015 |
| 26 | 258 | 36 | 16/03/2015 | 63 | 940 | 3134 | 16/03/2015 |
| 27 | 259 | 18 | 16/03/2015 | 64 | 941 | 6132 | 16/03/2015 |
| 28 | 260 | 8 | 16/03/2015 | 65 | 942 | 3092 | 16/03/2015 |
| 29 | 282 | 35 | 16/03/2015 | 66 | 943 | 3137 | 16/03/2015 |
| 30 | 283 | 6130 | 16/03/2015 | 67 | 944 | 5016 | 16/03/2015 |
| 31 | 284 | 26 | 16/03/2015 | 68 | 945 | 3140 | 16/03/2015 |
| 32 | 325 | 10 | 16/03/2015 | 69 | 946 | 3125 | 16/03/2015 |
| 33 | 326 | 141 | 16/03/2015 | 70 | 947 | 3121 | 16/03/2015 |
| 34 | 327 | 77 | 16/03/2015 | 71 | 948 | 3108A | 16/03/2015 |
| 35 | 328 | 60 | 16/03/2015 | 72 | 949 | 3108 | 16/03/2015 |
| 36 | 329 | 138 | 16/03/2015 | 73 | 950 | 3069 | 16/03/2015 |
| 37 | 330 | 23 | 16/03/2015 |  |  |  |  |

Then again in April these were sent also for re-runs:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Sample ID** | **Orig. sample no** | **DONE** |  | **Sample ID** | **Orig. sample no** | **DONE** |
| 74 | 1646 | 6079 | 14/04/2015 | 89 | 1761 | 6067 | 14/04/2015 |
| 75 | 1647 | 6098 | 14/04/2015 | 90 | 1762 | 6034 | 14/04/2015 |
| 76 | 1503 | 6021 | 14/04/2015 | 91 | 1763 | 6083 | 14/04/2015 |
| 77 | 1749 | 6097 | 14/04/2015 | 92 | 1764 | 6112 | 14/04/2015 |
| 78 | 1750 | 6081 | 14/04/2015 | 93 | 1765 | 6110 | 14/04/2015 |
| 79 | 1751 | 6132 | 14/04/2015 | 94 | 1766 | 6085 | 14/04/2015 |
| 80 | 1752 | 6104 | 14/04/2015 | 95 | 1767 | 3075 | 14/04/2015 |
| 81 | 1753 | 6125 | 14/04/2015 | 96 | 1768 | 6097 | 14/04/2015 |
| 82 | 1754 | 6084 | 14/04/2015 | 97 | 1769 | 6099 | 14/04/2015 |
| 83 | 1755 | 6061 | 14/04/2015 | 98 | 1770 | 6106 | 14/04/2015 |
| 84 | 1756 | 6072 | 14/04/2015 | 99 | 1771 | 6064 | 14/04/2015 |
| 85 | 1757 | 6094 | 14/04/2015 | 100 | 1772 | 6084 | 14/04/2015 |
| 86 | 1758 | 6107 | 14/04/2015 | 101 | 1773 | 6110 | 14/04/2015 |
| 87 | 1759 | 6058 | 14/04/2015 | 102 | 1774 | 31 | 14/04/2015 |
| 88 | 1760 | 6120 | 14/04/2015 | 103 | 1775 | 6106 | 14/04/2015 |

# Further NOTES January 2017

Plots (in database) with no soil cores, PlotID:

12 (ID = 37; no data, 6 other cores for this PlotID);

16 (ID = 62; no data, 6 other cores for this PlotID);

21 (ID = 93; no data, 6 other cores for this PlotID);

28 (ID = 136; no data, 6 other cores for this PlotID);

34 (ID = 173; no data, 6 other cores for this PlotID);

36 (ID = 186; no data, 6 other cores for this PlotID);

41 (ID = 217; no data, 6 other cores for this PlotID);

43 (X2) (ID = 224, 231; no data, 6 other cores for this PlotID);

48 (ID = 262; no data, 6 other cores for this PlotID);

62 (ID = 347; no data, 6 other cores for this PlotID);

70 (X 5) (ID = 401, 402, 403, 404, 405, no data, 6 other cores for this PlotID)

“Plot” field in Header table is the number on the data sheets

“ID” is just the order I entered them in

“PlotID” in the soils table is **this** “ID”

From data Robert sent me on 23/01/2014, the sample numbers have Total N or Total C <= 0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sticker\_No** | **Total nitrogen** |  | **Sticker\_No** | **Total carbon** |
| 56 | 0 |  | 90 | 0 |
| 58 | 0 |  | 161 | 0 |
| 90 | 0 |  | 283 | 0 |
| 117 | 0 |  | 348 | 0 |
| 119 | 0 |  | 441 | 0 |
| 120 | 0 |  | 536 | 0 |
| 121 | 0 |  | 613 | 0 |
| 122 | 0 |  | 773 | 0 |
| 161 | 0 |  | 843 | 0 |
| 283 | 0 |  | 964 | -0.02774 |
| 348 | 0 |  | 1008 | -0.03581 |
| 441 | 0 |  | 1147 | -0.03076 |
| 710 | -0.0054 |  | 1290 | 0 |
| 773 | 0 |  | 1387 | 0 |
| 843 | 0 |  | 1488 | 0 |
|  |  |  | 1525 | 0 |
|  |  |  | 1656 | -0.0313 |
|  |  |  | 1800 | 0 |
|  |  |  | 1824 | -0.03353 |

# Expt Design NOTES

108 overstorey plots

12 not surveyed in 2013: 6; 10; 12; 25; 48; 58; 82; 87; 88; 91; 94; 102