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Soil Proficiency Testing Program Report

2006-07

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Members of the ASPAC Executive are acknowledged for their overview and support of this soil ILPP. The authors and the ASPAC Executive also appreciate the effort and commitment made by participating laboratories. ASPAC accepts that laboratories are ultimately responsible for measurement quality.

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Note: Membership of this Committee in 2006-07 was K.I. Peverill (Convenor), R.J. Hill, G.E. Rayment and B.K. Daly. D.J. Lyons joined the Committee in 12/2007, following the retirement of Dr. Peverill.

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YOUR NOTES

1. Introduction

This annual report is the third in the upgraded inter-laboratory proficiency program (ILPP) for soil chemical tests. It covers three "rounds" each of four homogeneous samples sent to 51 participants in November 2006, in February and in May 2007. A similar program for plants (reported separately), commenced in August 2004 through the same service provider.

Members of ASPAC's Laboratory Proficiency Committee, the membership of which is listed on page iii of this report, oversaw the program. The ASPAC Executive is grateful to all of those who contributed to the report, inclusive of staff of Proficiency Services Limited, New Zealand, our service provider.

The ASPAC Executive also appreciates the effort and commitment made by participating laboratories. We recognise that laboratories share responsibility for measurement quality.

The Australasian Soil and Plant Analysis Council Inc (ASPAC) commenced its not-for-profit ILPPs in 1990 and issued its first soil program report in 1993. Its ILPPs specifically target soil and plant chemical laboratories in the Australasian region, although there are no restrictions on who can participate. A service provider operates the programs for ASPAC under contract.

ILPPs support ASPAC's overall goals to:

- promote excellence in all aspects of soil and plant analysis
- encourage and promote the adoption of preferred methods and protocols used in soil and plant analysis within Australasia.

More details on ASPAC can be obtained from its public web site at www.*aspac-australasia.com*. The site includes the ASPAC Strategic Plan and the names of its elected and appointed office holders.

Published ASPAC soil ILPP reports are dated or cover 1993, 1995, 1997, 1998, 1999, 2000, 2001/02, 2002/03 2004/05 and 2005/06 (July 2008). The first eight were conducted and reported through an Australian provider as discrete entities, based on six homogeneous samples of dried and ground soil and subsequent laboratory analysis for a comprehensive range of soil chemical tests, mostly based on empirical procedures.

This is the third annual report from ASPAC's new, upgraded soil ILPP that commenced in 2004 and now operates out of New Zealand through a Provider Agreement with Proficiency Services Limited (PSL). The program is a composite of three "rounds", each of four homogeneous samples of dried and ground soils. Laboratory participants (Appendix 1) receive individual progress reports of their results (relative to others) for each of these "rounds". They also receive a consolidated, individual annual summary report on their measurement performance relative to others.

This annual program report consolidates (for ASPAC members and the public record) the three soil "rounds" that occurred in 2006-07. It also records program methodology, summary statistics, and a full listing of results by test for the three "rounds". In addition, the report includes an outline of how ASPAC periodically confers performance-based, method-specific certification to laboratories that regularly participate. To respect confidentiality, the cross-reference between laboratory name and laboratory identification number is not included. However, ASPAC's public web site now lists the laboratories certified as proficient for specific tests for the most recently completed program year. ASPAC's plan is to update information on certified tests and certifications for participating

laboratories soon after completion of each annual program for both plants and soils. The first displayed were from the 2005-06 program year.

2. Program Details

2.1 Responsibilities

PSL (see Page iii for contact details) was contracted by ASPAC as the soil ILPP provider for 2006-07. Accordingly, PSL had responsibility on a "round-by-round" basis for sourcing and preparation of samples, for ensuring the samples met international and/or within-country quarantine requirements, and for the timely supply of samples to participating laboratories. PSL also undertook data analysis and "round-by-round" reporting for ASPAC, and assembled the summary and "raw" data provided in Section 3 and Appendix 4, respectively, of this report. PSL is a proficiency service provider accredited to *ISO Guide 43-1 Part 1: Development and operation of proficiency testing schemes.*

ASPAC's LPC had responsibility to implement and resolve matters of policy and to provide guidance on technical matters specific to soil chemical testing both to PSL and to laboratory participants. The LPC also undertook statistical checks and audits for quality control purposes, participated in a Technical Advisory Group operated by the service provider, and contributed to training workshops. ASPAC, through members of its LPC or via its state representatives, may contact managers of laboratories with less certain analytical performance to ensure a measurement improvement program is commenced where necessary. Laboratories are encouraged to seek help from ASPAC if they are shown to be operating at levels of measurement performance below their peers.

Participants receive a unique, confidential laboratory number, subsequently used to identify the origin of each result presented in program reports and lists of results. Typically, this identification number carries forward from one annual program to the next.

2.2 Soil program participation

A total of 51 laboratories participated in the ASPAC soil ILPP in 2006-07 but the numbers that reported results varied by "round" and soil test (see Table 1). Contact details for laboratories that submitted results for any test in one or more of the three "rounds" are provided in Appendix 1. Most results, averaged across the three "rounds", were submitted for method 4A1 (pH, 1:5 soil-water) and method 3A1 (Electrical conductivity, 1:5 soil-water). Participation counts for each test and sample are also summarized in Section 3.

Table 1. Test methods, corresponding method codes and the arithmetic average number of results per round submitted by participating laboratories in the ASPAC 2006-07 soil ILPP

2006-07 Soil Tests	Method Codes[1]	Number of participants		
		Nov 06	Feb 07	May 07
Electrical conductivity 1:5 soil-water	3A1	39	31	36
Soil pH, 1:5 soil-water	4A1	41	31	40
Soil pH, 1:5 0.01 M $CaCl_2$ — direct	4B1	17	11	15
Soil pH, 1:5 0.01 M $CaCl_2$ — indirect	4B2	18	18	23
Water soluble Cl — potentiometric	5A1	16	12	13
Water soluble Cl — autocolour	5A2	11	8	10
Organic Carbon —W&B	6A1	22	18	21
Organic Carbon — Other		1	4	3
Total Organic C — Heanes	6B1	6	4	5
Total Organic C — HF Induction, IR	6B3	9	6	7
Total Organic C — Other		4	2	4
Total N — Kjeldahl, steam distillation	7A1	14	7	13
Total N — Kjeldahl, autocolour	7A2	8	9	7
Total N – Dumas		18	12	15
Water Soluble Nitrate N — autocolour	7B1	15	13	12
KCl Extractable Nitrate N — autocolour	7C2	19	14	18
KCl Ext. Ammonium N — autocolour	7C2	22	20	23
Total P – all methods	9A1 and others	22	17	18
Colwell Extractable P — manual	9B1	13	11	12
Colwell Extractable P — autocolour	9B2	11	9	9
Olsen Extractable P — manual	9C1	12	7	11
Olsen Extractable P — autocolour	9C2	9	7	7
Bray-1 Extractable P — manual	9E1	9	6	11
Bray-1 Extractable P — autocolour	9E2	5	4	5
Phosphorus buffer index (with Colwell P)	9I2a + 9I2b + 9I2c[2]	9	8	7
Phosphorus buffer index (with Olsen P)	9I3a + 9I3b + 9I3c[2]	3	2	2
Phosphate Extractable S	10B3	10	11	8
KCl 40 Extractable S	Blair *et al*[3]	11	10	11
DTPA Extractable Fe	12A1	32	25	32
DTPA Extractable Cu	12A1	32	25	32
DTPA Extractable Mn	12A1	32	25	31
DTPA Extractable Zn	12A1	32	25	31
Hot $CaCl_2$ Extractable B — manual colour	12C1	9	7	8

1 Unless otherwise indicated, soil method codes are as defined by Rayment, G.E. and Higginson, F.R. (1992). Australian Laboratory Handbook of Soil and Water Chemical Methods. Reed International Books Australia P/L, trading as Inkata Press, Port Melbourne. 330 pp. This reference also includes background information on all of the coded methods.

2 These are ASPAC endorsed tests, where capital "O" in the superseded code refers to Olsen extractable P, and capital "C" in the superseded code refers to Colwell extractable P. See the Table Notes for more details.

3 Blair, G.J., Chinoim, N., Lefroy, R.D.B., Anderson, G.C., and Crocker, G.J. (1991). A soil sulfur test for pastures and crops. *Aust. J. Soil Research.* **29**, 619-626.

2006-07 Soil Tests	Method Codes[1]	Number of participants		
		Nov 06	Feb 07	May 07
Hot $CaCl_2$ Extractable B — ICPAES	12C2	16	16	17
Exchangeable Ca — 1M NH_4Cl extract	15A1	16	16	20
Exchangeable Mg — 1M NH_4Cl extract	15A1	20	14	17
Exchangeable Na — 1M NH_4Cl extract	15A1	20	13	16
Exchangeable K — 1M NH_4Cl extract	15A1	20	14	17
Exchangeable Ca — 1M NH_4OAc extract	15D3	18	20	22
Exchangeable Mg — 1M NH_4OAc extract	15D3	18	20	22
Exchangeable Na — 1M NH_4OAc extract	15D3	20	19	21
Exchangeable K — 1M NH_4OAc extract	15D3	20	20	23
Exchangeable Al — 1M KCl extract	15G1	18	17	19

Notes for Table 1:

9I2a Phosphorus buffer index – Colwell – Murphy and Riley finish (9I2C in earlier ASPAC reports)
9I2b Phosphorus buffer index – Colwell – ICPAES finish (9I3C in earlier ASPAC reports)
9I2c Phosphorus buffer index – Colwell – Vanadate finish (9I4C in earlier ASPAC reports)
9I3a Phosphorus buffer index – Olsen – Murphy and Riley finish (9I2O in earlier ASPAC reports)
9I3b Phosphorus buffer index – Olsen – ICPAES finish (9I3O in earlier ASPAC reports)
9I3c Phosphorus buffer index – Olsen – Vanadate finish (9I4O in earlier ASPAC reports)

2.3 Tests and methods

The three proficiency "rounds" for soils – each comprising four samples – were offered in November 2006, and in February and May 2007. Participants were invited to analyse each sample by the methods listed and/or coded in Table 1. Participants were not required to submit results for all 44 tests, noting that phosphate buffer index (Colwell) and phosphate buffer index (Olsen) were "scored" as one method each, independent of which analytical finish was used. The proficiency provider requested results be provided on a weight / weight basis for air-dry (40^{o}C) soil, which at times varies from the reporting specifications for test methods coded and described by Rayment and Higginson (1992).

2.4 Sample preparation and identification

Before distribution to participants, potential samples were analysed for homogeneity by laboratories accredited to ISO 17025. Specifically, 10 containers of each sample were selected at random by PSL and batched according to the principles described by Thompson and Wood (1993)[4]. These sub-samples were then analysed in duplicate for Total N — Dumas (combustion) method.

Results from the homogeneity testing were subsequently statistically assessed by PSL according to ISO REMCO Protocol N231 "*Harmonised Proficiency Testing Protocol*" of January 1992. Variations between samples were such that 11 of the 12 sample batches were deemed to be homogeneous and therefore suitable for use in proficiency testing. One sample ASS 21 was not deemed to be homogenous, and although sub-samples were sent to laboratories, all assessments made on this sample were withdrawn. Examples of the homogeneity data

[4] Thompson, M and Wood, R. (1993). International harmonized protocol for proficiency testing of (chemical) analytical laboratories. *Journal of AOAC International* ***76*** (4), 926 – 940.

and statistical assessments on the data are summarised in Appendix 2. In addition to testing for homogeneity, the soil samples were irradiated or otherwise rendered biologically benign to comply with international and/or national biosecurity regulations or requirements[5].

Ultimately, the samples used in the three "rounds" of the 2006-07 program were distributed and coded as follows: round 206 of November 2006 — ASS 111-114; round 406 of February 2007 — ASS 21-24; and round 606 of May 2007 — ASS 51-54. The association between sample code and origin of the various soils are provided in Table 2.

Table 2. Sample identification and the origin of the samples included in the ASPAC 2006-07 soil ILPP

Sample ID	*Sample origin*	*Sample ID*	*Sample origin*
ASS 111	Western Australia	ASS 23	Western Australia
ASS 112	Queensland	ASS 24	New Zealand
ASS 113	North America	ASS 51	Queensland
ASS 114	Queensland	ASS 52	Tasmania
ASS 21	Tasmania	ASS 53	Victoria
ASS 22	New South Wales	ASS 54	New Zealand

ASS 113 was provided by the North American Proficiency Testing Program, and sub-sampled by Landcare Research. Sample ASS 51 was prepared by the then Victoria's DPI-Werribee and mixed and sub-sampled at PSL.

All other samples were prepared by Landcare Research.

2.5 Data analysis and periodic reporting

Laboratory results, after submission to PSL, were entered into a database and independently checked for data transfer accuracy prior to data processing. In keeping with past practice[6], the results from up to 51 laboratories for similar methods were "pooled" (eg. manual and automated "finishes") to obtain sufficient or larger populations of laboratories for statistical assessment. "Pooling" details for the 2006-07 soil program are summarised in Table 3.

The non-parametric assessment of laboratory performance for each sample and method (and/or "pooled" method) was performed by an iterative statistical procedure similar to that used in WEPAL inter-laboratory proficiency programs of Wageningen University. This procedure[7,8,9,10] is suited to datasets of as few as six

5 Rayment, G.E (2006). Australian efforts to prevent the accidental movement of pests and diseases in soil and plant samples. *Commun. Soil Sci. Plant Anal*. **37**, 2107-2117.

6 Johnstone, P; Shelley, B; Kitching, M. (2002). *Soil Proficiency Testing Program Report 2001,* Vol 2, No. 1. ASPAC, c/- State Chemistry Laboratory: Victoria, (July 2002).

7 Houba, V.J.G., Uittenbogaard, J. and Pellen, P. (1996). Wageningen evaluating programmes for analytical laboratories (WEPAL), organization and purpose. *Commun. Soil Sci. Plant Anal.* **27**, 421-429.

8 Montford, M.A.J. van. (1996). Statistical remarks on laboratory – evaluating programs for comparing laboratories and methods. *Commun. Soil Sci. Plant Anal*. **27**, 463-478.

laboratories, although larger laboratory populations are preferred. An outline of the median / MAD statistical procedure is provided in Appendix 3, with terms described in Table 4. In addition to medians and MADs, other statistical parameters (also described in Table 4) were calculated before and following the omission of non-conforming results. The "raw" data submitted by participating laboratories on a test-by-test basis are documented in Appendix 4, sometimes after rounding only for table formatting purposes.

Table 3. Method "pooling" summary for the ASPAC 2006-07 soil ILPP

2006-07 Soil Tests	Method Codes	Average participants
Soil pH, 1:5 0.01 M $CaCl_2$ — pooled	4B1 + 4B2	34
Water soluble Cl — pooled	5A1 + 5A2	23
Organic Carbon — pooled	6A1 + Other	23
Total Organic Carbon — pooled	6B1 + 6B2 + 6B3 + Other	17
Total N — part-pool	7A1 + 7A2	19
Total N — full-pool	7A1 + 7A2 + Dumas	35
Colwell Extractable P — pooled	9B1 + 9B2	22
Olsen Extractable P — pooled	9C1 + 9C2	18
Bray-1 Extractable P — pooled	9E1 + 9E2	13
Phosphorus buffer index (*Colwell – all analytical finishes)*	9I2a + 9I2b + 9I2c	8
Phosphorus buffer index (*Olsen – all analytical finishes)*	9I3a + 9I3b + 9I3c	2
Hot $CaCl_2$ Extractable B — pooled	12C1 + 12C2	24

Like other programs nationally and internationally, the program did not accept as a numeric value a result reported as less than (<) or greater than (>) a specified number. In cases where the expected value was below the laboratory's lower limit of reporting, the expectation was that the laboratory would report a value half way between that value and zero. For high values, dilution was the expected option. In practice, this appeared to be happening in 2006-07, as no zero values were observed in the "raw" data compilations in Appendix 4.

Interim "round" reports, summarising measurement performance relative to the performance of all laboratories in the program that undertook the same test/s, were routinely and promptly e-mailed to participants. The main purpose of the interim reports was to provide feedback and to enable laboratories to take prompt action where appropriate. Interim reports also provided an opportunity to correct for data-transfer and data-processing misinterpretations. In addition, a Newsletter from the service provider went to all participating laboratories. Its main purpose was to assist in the interpretation of interim reports. Also included in the Newsletter was information about upcoming events and operational administration of the program.

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9 Rayment, G.E., Miller, R.O. and Sulaeman, E. (2000). Proficiency testing and other interactive measures to enhance analytical quality in soil and plant laboratories. *Commun. Soil Sci. Plant Anal.* ***31***, 1513-1530.

10 Whitehouse, M.W. (1987). Medians and MADs - Statistical methodology used at Wageningen, The Netherlands, for interlaboratory comparisons in the plant exchange program. Ag. Chem. Br. Report, ACU87/36. 10 pp. (Qld Dept. Primary Ind., Brisbane.)

Laboratories that participated in the 2006-07 soil ILPP each received from PSL (on behalf of ASPAC) a laboratory specific, confidential, annual summary report. Each laboratory's data for the 12 soil samples, the aggregate data from all participants, other relevant statistical data, and whether or not the test/s received ASPAC Certification (if applicable) were provided. The laboratory code number was included.

2.6 ASPAC certification of laboratories for soil tests

Subject to satisfactory measurement performance for 12 samples across three sequential "rounds", typically over a twelve-month period, ASPAC awarded participating laboratories with a printed signed and dated *Certificate of Proficiency.* The *Certificate of Proficiency* identified performance for each test that met criteria set in advance by ASPAC. Method specific certification applied when a laboratory incurred no more than four demerit points for the 12 samples in 2006-07.

Demerit points (if any) were allocated through the identification of "outliers" and "stragglers" (see Appendix 3) by the "median / MAD" statistical procedure mentioned earlier in this report. Two demerit points were allocated to each statistical "outlier", while a statistical "straggler" was allocated one demerit point. As no sample result could be both an "outlier" and a "straggler", a maximum of two demerit points is all that could accrue per sample for a specific test.

For any single "round" of four samples, three (3) was set as the maximum number of demerit points for a specific test. This was done so that unsatisfactory measurement for a test in one "round" did not in itself result in failure to be certified for that test across the three "rounds" in the designated 12-month period. The same procedure applied to "pooled" methods but there was a caveat. When both "unpooled" and "pooled" data for a test such as soil C could be assessed statistically and both subsequently qualified for certification, only the "unpooled" method was recorded on the Certificate rather than both.

If a "round" was missed, the maximum number of three demerit points for every test in that "round" was allocated, unless very special circumstances applied and was known or advised expeditiously to ASPAC's LPC through its Convenor. When the explanation was accepted, performance from the three most recently completed "rounds" was used to assess eligibility for certification.

Finally, when less than six (6) laboratories submitted results for a particular test and/or sample, proficiency assessments could not be made statistically with an acceptable level of confidence and hence certification for the affected tests could not be granted. Importantly, ASPAC's *Certificates of Proficiency* are only issued on completion of each annual program of three "rounds". Nowadays, ASPAC provides details of certified laboratories by test on its public web site. Certifications obtained in the 2006-07 Soils' Program remain valid until completion of the corresponding 2007-08 Program.

3. Summary Statistics

This section provides summary statistics (sometimes rounded only for table formatting purposes) on all tests (plus key "pooled" combinations) for each of the 12 samples used across three soil "rounds" in 2006-07. The tabulations include initial and subsequent values for the iterative "median / MAD" procedure plus other robust statistics. Table 4 and Appendix 3 have the meaning or derivation of the terms and statistics used in the tabulated summaries. The assumed moisture status of the results is included with those summaries. When the number of results is less than six in the final data set (after the removal of outliers), the derived parameters IQR and robust CV% are the same as those for the initial data set.

Table 4. Statistical terms and their meanings in the context of this ASPAC annual report

Statistical term	*Meaning and/or derivation*
Count or number	Original population size.
Maximum i	The highest of a range of values, based on the initial data set.
Minimum i	The lowest of a range of values, based on the initial data set.
Median	The median is the score (value) at the 50th percentile, also called the 2nd quartile or 5th decile. It is the score or potential score in a distribution of scores, above which and below which one-half of the frequencies fall. It is the middle observation of a sequentially sorted array of numbers, except in the case of an even sample size. Here it is the arithmetic mean of the two observations in the middle of the sorted array of observations. The median of a reasonably sized array of numbers is insensitive to extreme scores.
Mean[A]	The arithmetic mean (or average) is the sum of the values of a variable divided by their number. It represents the point in a distribution of measurements about which the summed deviations equals zero. The arithmetic mean is sensitive to extreme measurements.
MAD	The Median of the Absolute Deviations, calculated as the median of the absolute values of the observations minus their median.
Interquartile range (IQR)	This is calculated by subtracting the score at the 25th percentile (referred to as the first quartile; Q_1) from the score at the 75th percentile (the third quartile; Q_3). This value is affected by the assumptions made in the calculation of the first and third quartiles, particularly for low population sizes. The algorithm employed was that of SAS Method 4[11]. In summary, IQR = Q_3-Q_1.
Normalised IQR	This equates to IQR x 0.7413, where the latter is a normalising factor.
Robust % CV[12]	The robust coefficient of variation (Robust % CV) = (100 x normalised IQR / median). For simplicity, the Robust %CVs shown are for the initial results, and for the "final" population of results for a test after the removal of any "outliers" or "stragglers", following one or two iterations. Note that for Interim Reports, this term is estimated as = (100*MAD*1.483)/Median, separately for "i" and "f" datasets.
Letter "i" and the letter "f" associated with medians, means, MADs, IQR and Robust %CVs in data summaries.	The letter "i" relates to the initial data set. The letter "f" relates to the "final" data set, generated after one or two iterations, typically after removal of laboratories with statistical "outliers" (if any), and statistical "stragglers" (if any).

A When the mean is greater than the median, the distribution is positively skewed. When the mean is lower than the median, the distribution is negatively skewed.

11 SAS Procedure Guide.

12 "Guide to NATA Proficiency Testing". 27 pp. (National Association of Testing Authorities, Australia, December 1997).

2006-07: Electrical conductivity 1:5 soil-water (3A1) dS/m air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	39	38	39	39	31	31	31	31	36	36	36	36
Minimum	0.12	0.399	0.182	0.073	0.056	0.09	0.18	0.121	1.64	0.141	0.39	0.219
Maximum	230	1390	590	1060	94.4	155	430	169	2.73	0.265	0.763	0.389
Median i	0.158	0.62	0.27	0.106	0.087	0.117	0.35	0.163	2.39	0.202	0.64	0.34
Mean i	13.7	68.6	28.7	33.2	3.15	5.15	14.3	5.66	2.32	0.205	0.631	0.331
MAD i	0.009	0.055	0.014	0.006	0.007	0.008	0.02	0.01	0.158	0.01	0.048	0.024
IQR i	0.015	0.092	0.033	0.0096	0.011	0.015	0.030	0.017	0.213	0.017	0.075	0.03
Robust CV % i	9.4	15	12	9.1	13	13	8.7	10	8.9	8.4	12	8.7
Median f	0.155	0.617	0.261	0.104	0.086	0.115	0.35	0.16	2.39	0.202	0.643	0.34
Mean f	0.154	0.632	0.267	0.103	0.087	0.116	0.342	0.161	2.36	0.205	0.643	0.334
MAD f	0.005	0.023	0.008	0.004	0.0063	0.005	0.016	0.01	0.153	0.009	0.044	0.024
IQR f	0.0091	0.058	0.011	0.0067	0.0096	0.0074	0.03	0.015	0.208	0.014	0.069	0.027
Robust CV % f	5.9	9.4	4.3	6.4	11	6.4	8.5	9.5	8.7	6.9	11	8.1
Outliers	7	6	10	8	5	5	4	5	2	3	2	1
Stragglers	4	3	3	4	0	2	0	0	0	1	0	0

2006-07: Soil pH, 1:5 soil-water (4A1) air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	41	40	41	41	31	31	31	31	40	40	40	40
Minimum	6.3	7.45	6.41	6.1	4	6.12	4.5	4.4	2.68	4.9	5.13	4.27
Maximum	6.91	8.4	9	8.1	5.6	7.14	5.7	5.8	3.18	5.8	5.89	6.3
Median i	6.62	8.253	8.73	6.63	4.98	6.86	5.07	5.06	2.98	5.44	5.57	4.655
Mean i	6.61	8.22	8.66	6.66	4.93	6.83	5.05	5.02	2.96	5.42	5.55	4.68
MAD i	0.08	0.112	0.16	0.07	0.09	0.2	0.07	0.1	0.06	0.095	0.064	0.08
IQR i	0.122	0.143	0.227	0.111	0.17	0.274	0.089	0.126	0.089	0.143	0.107	0.135
Robust CV % i	1.8	1.7	2.6	1.7	3.4	4	1.8	2.5	3	2.6	1.9	2.9
Median f	6.645	8.256	8.735	6.622	4.98	6.86	5.07	5.06	2.98	5.44	5.58	4.655
Mean f	6.66	8.24	8.72	6.63	4.99	6.83	5.06	5.02	2.97	5.42	5.57	4.64
MAD f	0.06	0.104	0.15	0.062	0.05	0.2	0.03	0.09	0.05	0.09	0.05	0.055
IQR f	0.091	0.141	0.215	0.082	0.092	0.274	0.074	0.115	0.089	0.132	0.082	0.085
Robust CV % f	1.4	1.7	2.5	1.2	1.9	4.0	1.5	2.3	3.0	2.4	1.5	1.8
Outliers	4	1	1	8	4	0	2	2	2	2	4	6
Stragglers	3	0	0	0	2	0	2	0	1	0	3	2

2006-07: Soil pH, 1:5 0.01 M $CaCl_2$ — direct (4B1) air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	17	16	17	17	11	11	11	11	15	15	15	15
Minimum	5.39	7.27	7.49	5.8	3.7	3.9	4.3	4	2.64	4.62	4.94	4
Maximum	6.4	8.1	8.3	6.7	4.31	6.37	4.88	4.68	3.06	5	5.8	4.7
Median i	5.94	7.675	7.89	6.11	4.11	6.23	4.7	4.53	2.93	4.88	5.26	4.29
Mean i	5.95	7.67	7.86	6.11	4.11	6	4.66	4.5	2.88	4.83	5.25	4.25
MAD i	0.06	0.105	0.14	0.11	0.04	0.08	0.06	0.04	0.08	0.05	0.05	0.05
IQR i	0.119	0.178	0.245	0.222	0.089	0.156	0.089	0.082	0.126	0.17	0.141	0.163
Robust CV % i	2.0	2.3	3.1	3.6	2.2	2.5	1.9	1.8	4.3	3.5	2.7	3.8
Median f	5.94	7.675	7.89	6.075	4.11	6.25	4.7	4.54	2.93	4.88	5.29	4.3
Mean f	5.97	7.67	7.86	6.07	4.13	6.25	4.7	4.55	2.88	4.86	5.27	4.29
MAD f	0.05	0.105	0.14	0.105	0.03	0.05	0.055	0.045	0.08	0.05	0.02	0.015
IQR f	0.085	0.178	0.245	0.208	0.067	0.085	0.093	0.083	0.126	0.089	0.037	0.056
Robust CV % f	1.4	2.3	3.1	3.4	1.6	1.4	2.0	1.8	4.3	1.8	0.7	1.3
Outliers	4	0	0	1	2	2	1	1	0	2	3	4
Stragglers	0	0	0	0	0	0	0	0	0	0	3	1

2006-07: Soil pH, 1:5 0.01 M $CaCl_2$ — indirect (4B2) air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	18	17	18	18	18	18	18	18	23	23	23	23
Minimum	5.66	7.5	7.67	5.7	4.04	5.78	4.631	4.441	2.73	3.96	4.8	4.02
Maximum	6.2	8	8.3	6.474	4.36	6.51	4.9	4.64	3.03	5.5	5.6	4.6
Median i	5.915	7.78	8.075	5.905	4.105	6.3	4.715	4.56	2.95	4.87	5.28	4.27
Mean i	5.92	7.75	8.04	6	4.13	6.27	4.74	4.55	2.94	4.84	5.26	4.26
MAD i	0.06	0.05	0.145	0.09	0.035	0.06	0.03	0.04	0.05	0.07	0.05	0.05
IQR i	0.109	0.08	0.202	0.172	0.045	0.111	0.072	0.059	0.074	0.119	0.082	0.104
Robust CV % i	1.8	1.0	2.5	2.9	1.1	1.8	1.5	1.3	2.5	2.4	1.5	2.4
Median f	5.915	7.79	8.075	5.875	4.1	6.3	4.71	4.56	2.955	4.87	5.29	4.265
Mean f	5.92	7.78	8.04	5.88	4.12	6.3	4.72	4.55	2.95	4.85	5.28	4.24
MAD f	0.03	0.03	0.145	0.02	0.035	0.05	0.03	0.04	0.045	0.058	0.039	0.04
IQR f	0.058	0.048	0.202	0.033	0.046	0.093	0.041	0.059	0.074	0.089	0.052	0.089
Robust CV % f	0.97	0.62	2.5	0.57	1.1	1.5	0.87	1.3	2.5	1.8	0.98	2.1
Outliers	2	3	0	3	1	1	2	0	1	3	4	3
Stragglers	2	1	0	5	0	0	0	0	0	1	2	0

2006-07: Soil pH, 1:5 0.01 M $CaCl_2$ — pooled (4B1 + 4B2)

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	35	33	35	35	29	29	29	29	38	38	38	38
Minimum	5.39	7.27	7.49	5.7	3.7	3.9	4.3	4	2.64	3.96	4.8	4
Maximum	6.4	8.1	8.3	6.7	4.36	6.51	4.9	4.68	3.06	5.5	5.8	4.7
Median i	5.93	7.74	7.95	6.03	4.11	6.27	4.71	4.55	2.94	4.87	5.28	4.27
Mean i	5.94	7.71	7.96	6.05	4.12	6.17	4.71	4.53	2.91	4.84	5.26	4.25
MAD i	0.07	0.07	0.15	0.15	0.03	0.07	0.04	0.05	0.06	0.065	0.045	0.05
IQR i	0.104	0.13	0.245	0.215	0.056	0.104	0.078	0.070	0.083	0.12	0.106	0.119
Robust CV % i	1.8	1.7	3.1	3.6	1.4	1.7	1.7	1.5	2.8	2.5	2.0	2.8
Median f	5.92	7.76	7.95	6.02	4.1	6.29	4.71	4.56	2.95	4.87	5.29	4.28
Mean f	5.93	7.73	7.96	6.03	4.11	6.28	4.71	4.55	2.94	4.85	5.28	4.28
MAD f	0.04	0.05	0.15	0.145	0.025	0.06	0.03	0.045	0.05	0.054	0.02	0.03
IQR f	0.082	0.097	0.245	0.209	0.043	0.098	0.05	0.065	0.082	0.087	0.044	0.046
Robust CV % f	1.4	1.2	3.1	3.5	1.0	1.6	1.1	1.4	2.8	1.8	0.84	1.1
Outliers	5	2	0	1	5	3	5	1	2	5	8	7
Stragglers	2	4	0	0	0	0	0	0	1	1	5	5

2006-07: Water soluble Cl — potentiometric (5A1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	16	15	16	16	12	12	12	12	13	13	13	13
Minimum	55	18	7	21.7	8	0.5	20.4	0.11	4.61	1.65	1.62	0.451
Maximum	238	158	108	119	35.5	35.5	106.5	35.5	897.5	200.2	130.2	67.1
Median i	96	70	28.15	31.1	22.5	14.09	77.45	11.6	739	86	32	20.2
Mean i	103	77.9	36.2	39.5	22.4	16.8	76.1	13.6	663	82.7	39.5	24.1
MAD i	5	15.7	6.5	5.85	3.7	6.52	12	5.65	76	13	12	7.2
IQR i	12	21.8	14.4	16.3	5.92	14.6	19.5	9.82	102	39.8	21.8	10.9
Robust CV % i	13	31	51	53	26	100	25	85	14	46	68	54
Median f	96	69	28	30.1	22.5	14.08	77.6	11.6	742.5	86.5	31	18
Mean f	96.2	72.1	29.1	32.3	22.4	16.8	81.1	13.6	762	86.5	32	17.3
MAD f	3	16	2.8	4.5	3.7	6.52	11.6	5.65	29.5	6.5	12	7
IQR f	5.19	19.9	5.54	8.12	5.92	14.6	18.5	9.82	71.9	10.7	18.7	9.64
Robust CV % f	5.4	29	20	27	26	100	24	85	9.7	12	60	54
Outliers	4	1	3	2	0	0	1	0	2	5	1	2
Stragglers	1	0	1	0	0	0	0	0	1	0	0	0

2006-07: Water soluble Cl — autocolour (5A2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	11	11	11	11	8	8	8	8	10	10	10	10
Minimum	85	55	26	20	19	3.8	69	5	437	62	27	15
Maximum	130	104	72	91	48	103.7	96.5	21	840	161	100	50
Median i	99	68.8	33	28.5	22.25	10.9	75.5	8.3	700.5	80.3	43.7	22.85
Mean i	102	74.1	37.9	33.3	27	22.6	80.1	10.4	688	91.4	51.2	26.8
MAD i	5	11.2	5	3.5	2.75	6.4	5	3	37.5	7	6.95	5.25
IQR i	12.3	11.1	8.9	5.63	9.71	10.4	12.5	6.99	68.2	23.7	21.5	13
Robust CV % i	12	16	27	20	44	96	17	84	9.7	30	49	57
Median f	99	68.8	33	27.75	20	8.5	75.5	8.3	704	76.1	41	20
Mean f	99.2	74.1	34.5	27.5	20.7	11	80.1	10.4	715	79.1	42.2	22.1
MAD f	4.3	11.2	4	3.3	0.5	4.7	5	3	34	5.2	4.45	3.6
IQR f	8.86	11.1	7.6	5.89	2.04	10.2	12.5	6.99	53.7	9.53	7.39	7.08
Robust CV % f	8.9	16	23	21	10	120	17	84	7.6	13	18	35
Outliers	1	0	1	1	1	1	0	0	1	2	1	1
Stragglers	0	0	0	0	2	0	0	0	0	0	1	1

2006-07: Water soluble Cl — pooled (5A1 + 5A2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	27	26	27	27	20	20	20	20	23	23	23	23
Minimum	55	18	7	20	8	0.5	20.4	0.11	4.61	1.65	1.62	0.451
Maximum	238	158	108	119	48	103.7	106.5	35.5	897.5	200.2	130.2	67.1
Median i	98.9	69.4	31.4	30	22.5	13.54	77.15	9.5	726	85	42	21
Mean i	103	76.3	36.9	37	24.2	19.1	77.7	12.3	673	86.5	44.6	25.3
MAD i	6.9	13	5.4	4.3	3.5	6.44	9.65	5.25	49	12	12	6.4
IQR i	12.6	17	11.1	5.56	7.91	12.7	15.3	7.64	83	19.3	17.7	8.9
Robust CV % i	13	24	35	19	35	94	20	80	11	23	42	42
Median f	97.45	69.4	28.95	28.5	21.25	13.3	77.3	8.41	728	85	40	19.6
Mean f	98.4	75.3	30.2	27.8	22.4	14.7	80.7	9.82	740	85	37.9	20.4
MAD f	2.55	11.1	2.7	3.5	2.45	6.2	8.3	4.85	34	10	10	5.4
IQR f	5.06	15	3.95	5.04	4.59	9.56	14.8	7.65	57.8	14.5	13.4	8.56
Robust CV % f	5.2	22	14	18	22	72	19	91	7.9	17	34	44
Outliers	4	1	5	5	1	1	1	2	3	6	2	3
Stragglers	1	1	4	1	3	0	0	0	1	0	0	0

2006-07: Organic Carbon — W&B (6A1) % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	22	22	22	22	18	18	18	18	21	21	21	21
Minimum	0.635	1.02	0.301	0.509	1.22	0.506	0.37	2.22	2.76	3.6	3.14	2.2
Maximum	9.2	13.4	3.97	5.5	10.1	2.61	2.75	8.49	7.12	11.78	12.26	7.32
Median i	0.91	1.18	0.399	0.605	3.69	1.395	0.987	3.375	3.4	5.46	5.57	3.54
Mean i	1.46	1.97	0.866	1.17	3.98	1.48	1.17	3.73	3.68	5.88	6	3.74
MAD i	0.093	0.105	0.062	0.065	0.425	0.12	0.1	0.175	0.23	0.53	0.44	0.39
IQR i	0.142	0.302	0.334	0.229	0.65	0.25	0.228	0.373	0.348	0.797	0.871	0.582
Robust CV % i	16	26	84	38	18	18	23	11	10	15	16	16
Median f	0.884	1.137	0.375	0.588	3.69	1.345	0.97	3.345	3.3	5.42	5.555	3.5
Mean f	0.869	1.15	0.377	0.587	3.76	1.38	0.967	3.37	3.34	5.58	5.78	3.46
MAD f	0.076	0.047	0.035	0.042	0.36	0.075	0.02	0.145	0.21	0.525	0.29	0.36
IQR f	0.114	0.082	0.053	0.057	0.612	0.137	0.032	0.237	0.334	0.738	0.521	0.504
Robust CV % f	13	7.2	14	9.7	17	10	3.2	7.1	10	14	9.4	14
Outliers	4	4	6	4	2	4	3	3	4	1	3	2
Stragglers	0	3	0	2	0	0	4	1	0	0	2	0

2006-07: Organic Carbon — Other % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	1	1	1	1	4	4	4	4	3	3	3	3
Minimum	0.898	1.24	0.4	0.585	2.81	0.96	0.68	2.74	2.95	4.76	4.86	2.96
Maximum	0.898	1.24	0.4	0.585	5.698	2.249	1.656	5.718	4.63	13.5	7.43	3.68
Median i	0.898	1.24	0.4	0.585	2.93	1.29	0.883	3.17	2.99	5.33	5.48	3.15
Mean i	0.898	1.24	0.4	0.585	3.59	1.45	1.03	3.7	3.52	7.86	5.92	3.26
MAD i					0.105	0.17	0.14	0.28	0.04	0.57	0.62	0.19
IQR i					1.64	0.72	0.571	1.7	1.25	6.48	1.91	0.534
Robust CV % i					56	56	65	54	42	120	35	17
Median f					2.93	1.29	0.883	3.17	2.99	5.33	5.48	3.15
Mean f					3.59	1.45	1.03	3.7	3.52	7.86	5.92	3.26
MAD f					0.105	0.17	0.14	0.28	0.04	0.57	0.62	0.19
IQR f					1.64	0.72	0.571	1.7	1.25	6.48	1.91	0.534
Robust CV % f					56	56	65	54	42	120	35	17
Outliers												
Stragglers												

2006-07: Organic Carbon — pooled (6A1 + other) % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	23	23	23	23	22	22	22	22	24	24	24	24
Minimum	0.635	1.02	0.301	0.509	1.22	0.506	0.37	2.22	2.76	3.6	3.14	2.2
Maximum	9.2	13.4	3.97	5.5	10.1	2.61	2.75	8.49	7.125	13.5	12.26	7.315
Median i	0.90	1.20	0.40	0.60	3.62	1.34	0.982	3.34	3.40	5.42	5.56	3.52
Mean i	1.43	1.94	0.845	1.15	3.91	1.47	1.14	3.72	3.66	6.13	5.99	3.68
MAD i	0.085	0.11	0.06	0.06	0.548	0.105	0.128	0.195	0.25	0.615	0.525	0.38
IQR i	0.137	0.289	0.326	0.225	0.785	0.25	0.242	0.385	0.402	0.836	0.891	0.556
Robust CV % i	15	24	82	38	22	19	25	12	12	15	16	16
Median f	0.887	1.138	0.38	0.586	3.57	1.30	0.965	3.31	3.30	5.355	5.555	3.445
Mean f	0.87	1.15	0.379	0.587	3.63	1.34	0.971	3.31	3.30	5.53	5.86	3.43
MAD f	0.072	0.0535	0.04	0.035	0.37	0.09	0.0215	0.11	0.24	0.505	0.37	0.32
IQR f	0.11	0.091	0.050	0.055	0.704	0.119	0.042	0.215	0.40	0.769	0.752	0.486
Robust CV % f	12	8	13	9.4	20	9.1	4.4	6.5	12	14	14	14
Outliers	4	3	6	6	2	5	4	4	4	2	2	2
Stragglers	0	4	0	0	1	0	4	1	1	0	2	0

2006-07: Total Organic Carbon — Heanes (6B1) % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	6	6	6	6	4	4	4	4	5	5	5	5
Minimum	0.904	1.04	0.15	0.51	3.68	1.4	1	3.41	3.19	5.27	5.58	3.09
Maximum	1.3	3.48	0.88	1.62	8.31	2.71	2.93	5.54	4.0	6.5	7.0	3.9
Median i	0.985	1.24	0.47	0.67	4.43	1.525	1.03	3.715	3.68	5.8	6.15	3.6
Mean i	1.03	1.58	0.48	0.789	5.21	1.79	1.5	4.1	3.65	5.84	6.16	3.57
MAD i	0.078	0.115	0.035	0.097	0.66	0.095	0.02	0.195	0.12	0.39	0.25	0.12
IQR i	0.168	0.58	0.174	0.314	2.79	0.752	1.08	1.22	0.389	0.738	0.623	0.363
Robust CV % i	17	47	37	47	63	49	100	33	11	13	10	10
Median f	0.985	1.24	0.47	0.67	4.43	1.525	1.03	3.715	3.68	5.8	6.15	3.6
Mean f	1.03	1.58	0.48	0.789	5.21	1.79	1.5	4.1	3.65	5.84	6.16	3.57
MAD f	0.078	0.115	0.035	0.097	0.66	0.095	0.02	0.195	0.12	0.39	0.25	0.12
IQR f	0.168	0.58	0.174	0.314	2.79	0.752	1.08	1.22	0.389	0.738	0.623	0.363
Robust CV % f	17	47	37	47	63	49	100	33	11	13	10	10
Outliers	0	1	2	1								
Stragglers	0	0	0	0								

2006-07: Total Organic Carbon — HF Induction, IR (6B3) % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	9	9	9	9	6	6	6	6	7	7	7	7
Minimum	0.75	1.15	0.3	0.04	3.28	1.4	0.76	2.78	3.09	5.82	5.28	2.81
Maximum	0.976	1.86	0.658	0.73	4.32	1.63	1.02	3.91	3.59	6.75	6.34	3.73
Median i	0.94	1.45	0.42	0.656	3.925	1.515	1.0	3.75	3.43	6.47	6.14	3.47
Mean i	0.921	1.52	0.493	0.592	3.91	1.52	0.952	3.61	3.39	6.34	5.96	3.36
MAD i	0.033	0.09	0.12	0.016	0.265	0.065	0.015	0.045	0.14	0.09	0.2	0.08
IQR i	0.053	0.285	0.215	0.033	0.487	0.115	0.098	0.259	0.311	0.467	0.511	0.415
Robust CV % i	5.6	20	51	5.0	12	7.6	9.8	6.9	9.1	7.2	8.3	12
Median f	0.95	1.45	0.42	0.658	3.925	1.515	1.0	3.75	3.43	6.48	6.14	3.54
Mean f	0.943	1.52	0.493	0.661	3.91	1.52	0.952	3.61	3.39	6.52	5.96	3.54
MAD f	0.016	0.09	0.12	0.016	0.265	0.065	0.015	0.045	0.14	0.06	0.2	0.07
IQR f	0.044	0.285	0.215	0.029	0.487	0.115	0.098	0.259	0.311	0.163	0.511	0.152
Robust CV % f	4.6	20	51	4.5	12	7.6	9.8	6.9	9.1	2.5	8.3	4.3
Outliers	1	0	0	1	0	0	1	1	0	2	0	2
Stragglers	0	0	0	0	0	0		0	0	0	0	0

2006-07: Total Organic Carbon — Other % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	4	4	4	4	2	2	2	2	4	4	4	4
Minimum	0.774	0.599	0.29	0.55	3.76	1.31	0.983	3.76	3.44	5.51	5.16	3.15
Maximum	1.17	1.79	0.711	0.713	4.54	1.32	1.06	3.76	3.6	6.61	6.4	3.6
Median i	0.892	1.45	0.512	0.629	4.15	1.315	1.022	3.76	3.52	6.415	6.09	3.515
Mean i	0.932	1.32	0.507	0.631	4.15	1.32	1.02	3.76	3.52	6.24	5.94	3.45
MAD i	0.096	0.265	0.184	0.059	0.39	0.005	0.038		0.05	0.105	0.205	0.045
IQR i	0.248	0.733	0.297	0.105					0.096	0.617	0.726	0.252
Robust CV % i	28	51	58	17					2.7	9.6	12	7.2
Median f	0.892	1.45	0.512	0.629	4.15	1.315	1.022	3.76	3.52	6.415	6.09	3.515
Mean f	0.932	1.32	0.507	0.631	4.15	1.32	1.02	3.76	3.52	6.24	5.94	3.45
MAD f	0.096	0.265	0.184	0.059	0.39	0.005	0.038		0.05	0.105	0.205	0.045
IQR f	0.248	0.733	0.297	0.105					0.096	0.617	0.726	0.252
Robust CV % f	28	51	58	17					2.7	9.6	12	7.2
Outliers												
Stragglers												

2006-07: Total Organic Carbon — pooled (6B1 + 6B2 + 6B3 + Other) % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	21	21	21	21	12	12	12	12	17	17	17	17
Minimum	0.75	0.599	0.15	0.04	3.28	1.31	0.76	2.78	3.06	5.27	5.16	2.52
Maximum	1.73	3.48	2.1	2.49	8.31	2.71	2.93	5.54	4.0	6.75	7.0	3.9
Median i	0.955	1.39	0.46	0.659	3.925	1.46	1.01	3.76	3.5	6.38	6.15	3.52
Mean i	0.994	1.52	0.565	0.749	4.39	1.58	1.15	3.8	3.48	6.12	6.03	3.39
MAD i	0.051	0.24	0.16	0.054	0.3	0.12	0.024	0.055	0.09	0.23	0.19	0.12
IQR i	0.078	0.385	0.218	0.082	0.543	0.141	0.037	0.111	0.215	0.586	0.385	0.356
Robust CV % i	8.2	28	47	13	14	9.6	3.7	3.0	6.1	9.2	6.3	10
Median f	0.948	1.39	0.44	0.659	3.865	1.46	1.01	3.76	3.54	6.4	6.16	3.55
Mean f	0.947	1.43	0.488	0.651	3.93	1.47	1.01	3.76	3.52	6.23	6.11	3.56
MAD f	0.027	0.225	0.118	0.033	0.15	0.11	0.01	0.04	0.06	0.21	0.09	0.05
IQR f	0.048	0.354	0.223	0.052	0.413	0.141	0.026	0.063	0.119	0.504	0.226	0.066
Robust CV % f	5.2	25	51	7.8	11	9.6	2.6	1.7	3.4	7.9	3.7	1.9
Outliers	3	1	1	3	1	1	2	3	3	1	3	3
Stragglers	2	0	0	1	1	0	1	0	1	1	1	3

2006-07: Total N — Kjeldahl, steam distillation (7A1) % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	14	14	14	14	7	7	7	7	13	13	13	13
Minimum	0.06	0.034	0.024	0.026	0.184	0.092	0.056	0.251	0.123	0.225	0.285	0.171
Maximum	2.5	0.9	2.1	1.7	0.3	0.2	0.2	0.5	1.82	3.31	5.59	2.87
Median i	0.083	0.086	0.048	0.058	0.22	0.13	0.103	0.34	0.22	0.435	0.56	0.34
Mean i	0.258	0.139	0.195	0.174	0.243	0.136	0.107	0.349	0.543	0.81	1.16	0.682
MAD i	0.008	0.015	0.010	0.010	0.036	0.01	0.017	0.053	0.01	0.039	0.04	0.04
IQR i	0.015	0.025	0.017	0.017	0.064	0.017	0.042	0.084	0.418	0.128	0.048	0.056
Robust CV % i	19	29	37	30	29	14	41	25	190	29	8.6	16
Median f	0.081	0.086	0.048	0.058	0.22	0.13	0.103	0.34	0.219	0.42	0.555	0.332
Mean f	0.079	0.080	0.048	0.056	0.243	0.126	0.107	0.349	0.219	0.431	0.561	0.336
MAD f	0.008	0.014	0.008	0.008	0.036	0.008	0.017	0.053	0.009	0.02	0.025	0.018
IQR f	0.013	0.024	0.014	0.015	0.064	0.019	0.042	0.084	0.014	0.042	0.048	0.032
Robust CV % f	16	28	30	26	29	15	41	25	6.3	10	8.5	9.5
Outliers	2	1	1	1	0	1	0	0	4	4	3	2
Stragglers	0	0	0	0	0	0	0	0	0	0	0	1

2006-07: Total N — Kjeldahl, autocolour (7A2) % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	8	8	8	8	9	9	9	9	7	7	7	7
Minimum	0.058	0.074	0.035	0.043	0.163	0.09	0.074	0.266	0.181	0.344	0.479	0.305
Maximum	0.097	0.108	0.053	0.074	0.288	0.129	0.109	0.36	0.287	0.463	0.596	1.76
Median i	0.074	0.092	0.044	0.056	0.225	0.113	0.083	0.334	0.221	0.417	0.581	0.33
Mean i	0.077	0.089	0.0434	0.056	0.226	0.112	0.084	0.327	0.224	0.415	0.559	0.531
MAD i	0.006	0.012	0.0042	0.0047	0.017	0.005	0.005	0.019	0.002	0.037	0.015	0.006
IQR i	0.018	0.017	0.0068	0.010	0.032	0.0096	0.0078	0.032	0.0033	0.056	0.04	0.015
Robust CV % i	24	18	15	18	14	8.5	9.3	9.5	1.5	13	6.9	4.5
Median f	0.074	0.092	0.044	0.056	0.225	0.113	0.083	0.334	0.221	0.417	0.585	0.327
Mean f	0.077	0.089	0.044	0.056	0.226	0.112	0.084	0.327	0.224	0.415	0.572	0.326
MAD f	0.006	0.011	0.0042	0.0047	0.017	0.005	0.005	0.019	0.002	0.037	0.0084	0.004
IQR f	0.018	0.017	0.007	0.010	0.032	0.0096	0.008	0.032	0.0033	0.056	0.039	0.012
Robust CV % f	24	18	15	18	14	8.5	9.3	9.5	1.5	13	6.7	3.4
Outliers	0	0	0	0	0	0	0	0	2	0	1	1
Stragglers	0	0	0	0	0	0	0	0	0	0	0	0

2006-07: Total N — part-pool (7A1 + 7A2) % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	22	22	22	22	16	16	16	16	20	20	20	20
Minimum	0.058	0.035	0.024	0.026	0.163	0.089	0.057	0.251	0.123	0.225	0.285	0.171
Maximum	2.5	0.9	2.1	1.7	0.3	0.2	0.2	0.5	1.82	3.31	5.59	2.87
Median i	0.079	0.088	0.045	0.058	0.222	0.119	0.085	0.337	0.220	0.426	0.570	0.330
Mean i	0.192	0.121	0.14	0.131	0.233	0.123	0.094	0.337	0.431	0.672	0.947	0.629
MAD i	0.0095	0.012	0.0057	0.0075	0.022	0.010	0.010	0.018	0.0095	0.029	0.029	0.019
IQR i	0.015	0.018	0.0089	0.014	0.049	0.014	0.023	0.037	0.012	0.055	0.046	0.039
Robust CV % i	19	21	20	24	22	12	27	11	5.3	13	8.1	12
Median f	0.078	0.088	0.045	0.058	0.222	0.118	0.084	0.34	0.22	0.418	0.56	0.328
Mean f	0.078	0.087	0.044	0.056	0.233	0.117	0.084	0.337	0.219	0.424	0.56	0.332
MAD f	0.0082	0.012	0.0053	0.0065	0.022	0.011	0.007	0.01	0.002	0.02	0.028	0.014
IQR f	0.012	0.017	0.0082	0.012	0.049	0.014	0.013	0.022	0.0026	0.037	0.042	0.021
Robust CV % f	16	19	18	20	22	13	16	6.4	1.2	8.8	7.4	6.3
Outliers	2	2	2	3	0	1	1	2	6	4	3	4
Stragglers	0	0	0	0	0	0	1	1	5	0	0	0

2006-07: Total N – Dumas % air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	18	17	18	18	12	12	12	12	15	15	15	15
Minimum	0.042	0.072	0.023	0.032	0.18	0.092	0.07	0.3	0.196	0.4	0.5	0.29
Maximum	0.11	0.16	0.07	0.12	0.33	0.18	0.13	0.41	0.26	0.5	0.62	0.37
Median i	0.079	0.1	0.043	0.054	0.252	0.122	0.092	0.340	0.222	0.441	0.55	0.325
Mean i	0.082	0.1	0.044	0.059	0.252	0.123	0.093	0.35	0.225	0.439	0.561	0.33
MAD i	0.0095	0.01	0.0075	0.0085	0.012	0.011	0.014	0.018	0.012	0.019	0.023	0.017
IQR i	0.017	0.014	0.012	0.012	0.022	0.015	0.023	0.037	0.017	0.030	0.029	0.018
Robust CV % i	21	14	28	22	8.5	13	25	11	7.7	6.9	5.4	5.7
Median f	0.078	0.099	0.043	0.054	0.252	0.12	0.092	0.340	0.222	0.441	0.55	0.325
Mean f	0.081	0.096	0.044	0.056	0.252	0.117	0.092	0.35	0.225	0.439	0.561	0.33
MAD f	0.009	0.009	0.008	0.008	0.010	0.01	0.014	0.019	0.012	0.019	0.023	0.017
IQR f	0.017	0.012	0.012	0.012	0.017	0.012	0.023	0.037	0.017	0.030	0.029	0.018
Robust CV % f	21	12	28	22	6.8	11	25	11	7.7	6.9	5.4	5.7
Outliers	0	1	0	1	2	1	0	0	0	0	0	0
Stragglers	0	0	0	0	0	0	0	0	0	0	0	0

2006-07: Total N — full-pool (7A1 + 7A2 + Dumas)

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	41	40	41	41	28	28	28	28	35	35	35	35
Minimum	0.042	0.035	0.022	0.026	0.163	0.089	0.057	0.251	0.123	0.225	0.285	0.171
Maximum	2.5	0.9	2.1	1.7	0.33	0.2	0.2	0.5	1.82	3.31	5.59	2.87
Median i	0.08	0.094	0.045	0.058	0.241	0.12	0.087	0.34	0.221	0.435	0.56	0.33
Mean i	0.141	0.11	0.095	0.098	0.242	0.123	0.093	0.342	0.343	0.572	0.782	0.501
MAD i	0.01	0.012	0.006	0.008	0.03	0.01	0.014	0.02	0.009	0.025	0.024	0.014
IQR i	0.016	0.017	0.0089	0.012	0.043	0.015	0.023	0.031	0.015	0.036	0.042	0.022
Robust CV % i	20	18	20	22	18	12	26	9.2	6.7	8.2	7.4	6.7
Median f	0.079	0.094	0.044	0.054	0.241	0.119	0.086	0.34	0.220	0.434	0.555	0.325
Mean f	0.080	0.093	0.044	0.055	0.242	0.117	0.089	0.34	0.221	0.434	0.56	0.329
MAD f	0.0095	0.0075	0.006	0.008	0.03	0.009	0.013	0.019	0.0095	0.018	0.025	0.016
IQR f	0.015	0.0111	0.0094	0.012	0.043	0.014	0.02	0.029	0.014	0.031	0.037	0.018
Robust CV % f	19	12	21	22	18	12	23	8.7	6.5	7.1	6.6	5.5
Outliers	2	4	3	5	0	2	1	2	7	4	3	5
Stragglers	1	2	0	1	0	0	0	0	0	1	0	0

2006-07: Water Soluble Nitrate N— autocolour (7B1) mg/kg dry wt

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	14	15	15	15	13	13	13	13	12	12	12	12
Minimum	12	33	4.9	11	0.025	0.025	56	2.9	0.1	0.1	0.05	47
Maximum	28	352	269	47	63.9	1109	9526	250	4.5	69.9	9.1	687
Median i	21.5	57	11	29	1.0	15	140	52	0.75	13.65	1.45	131
Mean i	21	74.3	27.5	28.8	6.39	96.6	847	63.4	1.11	16.5	2.13	163
MAD i	1.8	7.3	1.35	1.6	0.4	2.0	42	14	0.25	2.34	0.8	25
IQR i	2.76	13.6	3.2	2.67	0.653	5.52	69.1	27.4	0.475	5.28	1.76	58.9
Robust CV % i	13	24	29	9.2	65	37	49	53	63	39	120	45
Median f	22.5	56	11	28.9	1.0	15	133	49.5	0.635	14	1.1	125
Mean f	22.4	54.5	10.7	28.7	1.05	15.4	124	44.5	0.632	14	1.49	116
MAD f	1.5	6.6	1.2	1.0	0.1	1.0	32.8	6.0	0.21	1.5	0.9	31
IQR f	2.31	12.8	2.47	1.69	0.279	1.48	65.9	23.2	0.376	2.22	1.19	61.2
Robust CV % f	10	23	22	5.8	28	9.9	50	47	59	16	110	49
Outliers	1	1	2	4	2	4	1	2	2	3	1	1
Stragglers	1	0	0	1	2	0	0	1	0	0	0	0

2006-07: KCl Extractable Nitrate N — autocolour (7C2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	19	19	19	19	13	14	14	14	18	18	18	18
Minimum	4.5	9.7	2.1	5.6	0.1	11.9	14.5	10.9	0.01	8.2	0.7	72
Maximum	31	64	16	33	73.1	385	3576	1297	19	19.7	3.9	180
Median i	19.5	52	10.7	27.4	0.9	15.1	145.5	53.5	0.97	16	1.935	156
Mean i	19.7	50.2	10.6	26.5	6.5	41	380	139	3.13	15.9	2.01	149
MAD i	1.5	2.9	1.6	0.73	0.14	1.1	6.5	2.5	0.77	0.75	0.27	5.0
IQR i	2.59	3.71	2.82	1.58	0.369	1.35	10.1	4.17	1.3	1.39	0.513	12.7
Robust CV % i	13	7.1	26	5.8	41	9.0	6.9	7.8	130	8.7	27	8.1
Median f	19.5	52	10.85	27.4	0.875	15	146	53.5	0.816	16	1.9	156.5
Mean f	19.9	51.8	11.1	27.3	0.91	14.6	147	53.4	0.804	16	1.95	155
MAD f	1.5	2.4	1.51	0.6	0.12	1.0	6,0	2.05	0.616	0.5	0.15	3.5
IQR f	2.19	3.3	2.57	0.89	0.197	1.37	9.64	3.35	0.608	0.612	0.133	6.49
Robust CV % f	11	6.3	24	3.2	23	9.1	6.6	6.3	74	3.8	7	4.1
Outliers	2	1	1	4	3	1	3	2	3	3	3	3
Stragglers	0	1	0	0	0	0	0	0	0	2	4	1

2006-07: KCl Ext. Ammonium N — autocolour (7C2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	21	22	22	22	19	20	20	20	23	23	23	23
Minimum	0.8	1.3	0.5	1.9	1.39	0.22	0.5	0.43	0.1	1.5	3	3.5
Maximum	21.6	29	17	18	1487	262	323	230	245	60.1	99.2	36.3
Median i	3.5	17	5.6	9.5	60.2	10.5	13.3	10.05	206	39	83	14
Mean i	5.2	16.3	5.82	9.46	127	22.5	34.5	22.4	185	36	75.2	13.8
MAD i	0.5	2.25	0.95	1.2	7.6	1.35	2.15	1.95	26	3.1	11.8	2.2
IQR i	0.804	3.69	1.52	1.63	16.2	2.32	3.09	3.25	52.6	7.34	16	2.97
Robust CV % i	23	22	27	17	27	22	23	32	26	19	19	21
Median f	3.4	17	5.85	9.2	65.2	11	13.3	10.1	216	40	84.5	14.15
Mean f	3.3	17.5	6.0	9.0	64.1	11.3	13	10.3	206	39.8	84.2	14.3
MAD f	0.385	2.0	0.7	0.8	4.8	1.11	1.5	0.9	22	2.05	6.5	0.85
IQR f	0.589	3.6	1.02	1.26	5.75	2.12	2.61	1.56	34.5	3.34	12.5	1.19
Robust CV % f	17	21	17	14	8.8	19	20	15	16	8.3	15	8.4
Outliers	5	3	4	4	4	4	3	4	2	6	2	2
Stragglers	0	1	0	2	2	0	1	1	1	1	2	5

2006-07: Total P – all methods including 9A1 (% air dry)

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	22	22	22	22	17	17	17	17	18	18	18	18
Minimum	0.008	0.017	0.031	0.010	0.029	0.033	0.016	0.064	0.008	0.009	0.019	0.002
Maximum	0.024	0.125	0.07	0.05	0.051	0.058	0.044	0.103	0.056	0.33	0.341	0.746
Median i	0.013	0.11	0.052	0.041	0.033	0.048	0.021	0.087	0.041	0.252	0.308	0.069
Mean i	0.013	0.098	0.051	0.038	0.035	0.046	0.023	0.086	0.04	0.24	0.294	0.151
MAD i	0.001	0.011	0.0027	0.0024	0.002	0.0058	0.0018	0.0028	0.0032	0.028	0.017	0.009
IQR i	0.0018	0.019	0.0044	0.0039	0.0053	0.0085	0.0035	0.0044	0.0061	0.050	0.026	0.016
Robust CV % i	14	17	8.4	9.6	16	18	17	5.1	15	20	8.5	23
Median f	0.013	0.112	0.053	0.041	0.032	0.048	0.021	0.087	0.041	0.255	0.312	0.067
Mean f	0.013	0.109	0.053	0.041	0.033	0.046	0.021	0.087	0.042	0.254	0.311	0.067
MAD f	0.001	0.008	0.0022	0.002	0.0016	0.0058	0.0015	0.002	0.0033	0.025	0.015	0.005
IQR f	0.0016	0.016	0.0036	0.0030	0.0026	0.0085	0.0025	0.0032	0.0059	0.046	0.026	0.009
Robust CV % f	12	15	6.9	7.4	8.0	18	12	3.7	14	18	8.2	13
Outliers	3	3	4	3	2	0	2	4	3	1	1	4
Stragglers	0	0	0	1	1	0	0	0	0	0	0	0

2006-07: Colwell Extractable P — manual (9B1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	13	13	13	13	11	11	11	11	12	12	12	12
Minimum	11	2	4.1	4.6	33	26.6	36.3	35.2	19.2	45	24	26.4
Maximum	49	223	415	114	95	57	68	174	76	204	722	125
Median i	31	57	23.56	48	41.4	42	55	62	50.8	141	504.5	55.1
Mean i	31.9	60.9	51.2	49.3	46.4	41.3	53.3	71.2	48.5	134	434	61.7
MAD i	5	6	1.73	3.5	5.6	5.7	6.9	8.0	5.8	22.5	63.5	7.5
IQR i	6.47	11.6	4.0	8.04	9.71	7.41	12.3	10.5	13.5	48.3	229	12.2
Robust CV % i	21	20	17	17	23	18	22	17	27	34	45	22
Median f	31	57.2	23.73	47.98	41.2	42	55	60.5	51.6	141	534	52
Mean f	31.9	56.3	23.4	47.5	41.6	41.3	53.3	61	50.3	134	529	49.5
MAD f	5.0	5.0	0.55	0.9	5.55	5.7	6.9	7.5	1.6	22.5	38	6.6
IQR f	6.47	7.64	1.02	2.69	8.86	7.41	12.3	10.3	2.37	48.3	76.4	12.4
Robust CV % f	21	13	4.3	5.6	22	18	22	17	4.6	34	14	24
Outliers	0	3	3	3	1	0	0	1	1	0	1	2
Stragglers	0	0	2	2	0	0	0	0	4	0	2	0

2006-07: Colwell Extractable P — autocolour (9B2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	11	11	11	11	9	9	9	9	9	9	9	9
Minimum	24	51	19.7	42.3	29	17	24	31	46	141	380	49
Maximum	34	65	55	56	54	43	57	68	66	201	874	71
Median i	28	57	25	48	36.5	35	46.8	54.5	51.6	154	587	59.5
Mean i	28.3	57.9	27.6	48.5	37.1	33.8	44.9	53.6	55.3	160	609	58.3
MAD i	2.0	2.1	1.0	3.0	2.5	1.8	2.6	4.5	3.6	9.4	60	6.5
IQR i	2.97	3.78	2.97	6.67	3.41	3.56	4.71	10.9	12.4	17.9	107	8.19
Robust CV % i	11	6.6	12	14	9.3	10	10	20	24	12	18	14
Median f	28	57	25	48	35.25	35	46.9	54.5	51.6	154	587	59.5
Mean f	28.3	57.9	25.4	48.5	35	34.9	47.6	53.6	55.3	160	609	58.3
MAD f	2.0	2.1	1.0	3.0	1.95	1.0	2.55	4.5	3.6	9.4	60	6.5
IQR f	2.97	3.78	1.86	6.67	3.3	2.08	4.37	10.9	12.4	17.9	107	8.19
Robust CV % f	11	6.6	7.5	14	9.4	5.9	9.3	20	24	12	18	14
Outliers	0	0	2	0	1	1	1	0	0	0	0	0
Stragglers	0	0	0	0	0	1	0	0	0	0	0	0

2006-07: Colwell Extractable P — pooled (9B1 + 9B2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	24	24	24	24	20	20	20	20	21	21	21	21
Minimum	11	2	4.1	4.6	29	17	24	31	19.2	45	24	26.4
Maximum	49	223	415	114	95	57	68	174	76	204	874	125
Median i	29.9	57	24.05	48	38.1	36.15	48.05	57.5	51.6	145	556	56.2
Mean i	30.3	59.5	40.4	48.9	42.2	37.9	49.5	63.3	51.4	145	509	60.3
MAD i	3.25	3.55	1.35	3.0	4.15	3.8	5.55	8.5	3.6	12	73	6.0
IQR i	5.34	6.25	2.31	6.12	9.03	6.25	9.23	11.5	9.49	21.9	135	9.16
Robust CV % i	18	11	9.6	13	24	17	19	20	18	15	24	16
Median f	29.9	57	24.05	48	38	36	48.1	57.5	51.45	145	560	55.1
Mean f	30.2	57.1	24.2	49.2	39.4	37.3	50.9	57.5	50.9	151	565	55.2
MAD f	2.05	2.1	1.0	3.0	4.0	2.5	5.1	7.5	1.2	7.0	30	5.4
IQR f	3.22	3.78	1.54	5.19	7.56	5.6	9.34	10.5	1.7	15.6	47.6	8.32
Robust CV % f	11	6.6	6.4	11	20	16	19	18	3.3	11	8.5	15
Outliers	2	4	5	3	1	2	1	1	5	5	4	3
Stragglers	2	1	1	0	0	1	0	0	4	1	3	0

2006-07: Olsen Extractable P — manual (9C1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	12	12	12	12	7	7	7	7	11	11	11	11
Minimum	6.9	8.2	4.2	9.8	9.71	6.1	15	8.55	3.98	7.03	18	5.071
Maximum	120	89	43	70	49.8	22	30.5	39.6	83	119	302	128
Median i	16.2	24	7.1	21.9	19.8	18	26	21.4	20	44.2	150	26
Mean i	28.9	31.7	13.2	30.2	23.8	16.3	24.1	23.1	22.5	49.7	157	34.4
MAD i	2.55	3.5	0.4	2.9	6.8	3.6	4.4	8.4	3.0	12	38	8.7
IQR i	12.4	14.3	8.3	16.5	13.3	4.67	4.08	15.6	7.56	20	42.3	12.6
Robust CV % i	77	59	120	75	67	26	16	73	38	45	28	48
Median f	15.4	22.8	6.96	20	19.8	18	26	21.4	20	42.6	150	25.3
Mean f	14.7	22.8	6.99	20.7	23.8	16.3	24.1	23.1	17.8	42.7	157	25
MAD f	1.2	1.2	0.16	1.0	6.8	3.6	4.4	8.4	2.0	13.5	38	7.8
IQR f	1.7	2.22	0.297	2.37	13.3	4.67	4.08	15.6	7.12	18.6	42.3	12.6
Robust CV % f	11	9.8	4.3	12	67	26	16	73	36	44	28	50
Outliers	3	3	5	3	0	0	0	0	2	1	0	1
Stragglers	1	2	0	2	0	0	0	0	0	0	0	0

2006-07: Olsen Extractable P — autocolour (9C2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	9	9	9	9	7	7	7	7	7	7	7	7
Minimum	10.6	8	4	11	17.3	12.1	16.9	17	13.6	35.1	151	19.7
Maximum	16.5	24.3	18	24.4	23	15.5	23	27	29	68	207	35
Median i	15	22	6.8	20	19.8	14	20.7	21.9	16.3	37.2	170	21.2
Mean i	14.7	20	8.11	19.3	19.7	14	20.5	21.3	17.3	42.3	173	23.6
MAD i	1.0	1.2	0.94	1.1	0.2	0.4	1.6	1.0	2.2	0.9	7.4	1.2
IQR i	2.0	3.89	1.15	4.45	1.48	1.04	2.45	3.93	2.22	6.45	12.9	2.97
Robust CV % i	13	18	17	22	7.5	7.4	12	18	14	17	7.6	14
Median f	15	22	6.8	20.3	19.8	14	20.7	21.9	16.3	37.2	170	21.1
Mean f	14.7	21.5	6.87	21.2	19.7	14	20.5	21.3	17.3	42.3	173	21.7
MAD f	1.0	1.1	0.57	0.7	0.2	0.4	1.6	1.0	2.2	0.9	7.4	0.8
IQR f	2.0	2.26	0.9	2.97	1.48	1.04	2.45	3.93	2.22	6.45	12.9	1.83
Robust CV % f	13	10	13	15	7.5	7.4	12	18	14	17	7.6	8.7
Outliers	0	1	1	2	3	0	0	0	0	2	0	1
Stragglers	0	0	0	0	0	0	0	0	0	0	0	0

2006-07: Olsen Extractable P — Pooled (9C1 + 9C2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	21	21	21	21	14	14	14	14	18	18	18	18
Minimum	6.9	8	4	9.8	9.71	6.1	15	8.55	3.98	7.03	18	5.07
Maximum	120	89	43	70	49.8	22	30.5	39.6	83	119	302	128
Median i	16	22.8	7	20.3	19.8	14.2	21.6	21.65	17	40.5	168	24.3
Mean i	22.8	26.7	11	25.5	21.7	15.2	22.3	22.2	20.4	46.8	163	30.2
MAD i	2.0	1.8	0.5	1.9	2.15	1.05	2.05	3.9	3.7	6.45	21.5	4.05
IQR i	2.82	3.34	2.59	3.85	4.02	3.58	4.8	6.19	6.34	15.7	38.5	10.6
Robust CV % i	18	15	37	19	20	25	22	29	37	39	23	43
Median f	15.8	22.4	6.8	20.15	19.8	14	21.6	21.4	17	40	168	24.3
Mean f	15.5	22.5	6.96	21	19.5	14	22.3	20.8	16.8	43.3	165	25.6
MAD f	0.8	1.1	0.145	1.15	0.2	0.4	2.05	3.6	3.4	4.9	17.5	3.4
IQR f	1.78	1.89	0.32	1.98	0.52	0.78	4.8	4.93	5.71	14.6	24.7	8.84
Robust CV % f	11	8.4	4.6	9.8	2.6	5.6	22	23	34	37	15	36
Outliers	5	6	7	6	3	4	0	1	1	3	4	2
Stragglers	1	1	2	1	4	1	0	0	0	0	0	0

2006-07: Bray-1 Extractable P — manual (9E1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	9	9	9	9	6	6	6	6	11	11	11	11
Minimum	3.3	0.08	0.931	2.9	20.5	2.17	39.6	0.01	2	3	24	8
Maximum	54	27	206	68	39	23	86	27	108	100	569	119
Median i	26	3.2	9.1	26	31	13.65	55.72	18.8	26	31	114	31
Mean i	26.8	5.72	33.6	27	30.9	13.7	59.8	16.4	33.9	40.6	203	40.6
MAD i	8.9	1.22	3.59	4.6	3.14	4.0	14.9	6.7	15	13.3	74	5
IQR i	15.2	2.45	18.2	14.3	6.92	8.31	29.7	12.8	28.2	41	185	15.6
Robust CV % i	58	77	200	55	22	61	53	68	110	130	160	50
Median f	26	3.04	6.4	24.5	31	13.65	55.72	18.8	21.8	29.5	112	28.3
Mean f	26.8	3.06	7.03	21.9	30.9	13.7	59.8	16.4	26.5	34.7	123	28.6
MAD f	8.9	0.92	2.7	6.0	3.14	4.0	14.9	6.7	9.3	10.7	61	1.8
IQR f	15.2	1.86	4.97	16.2	6.92	8.31	29.7	12.8	24.3	22.2	102	3.15
Robust CV % f	58	61	78	66	22	61	53	68	110	75	91	11
Outliers	0	1	2	1	0	0	0	0	1	1	2	2
Stragglers	0	0	0	0	0	0	0	0	0	0	0	3

2006-07: Bray-1 Extractable P — autocolour (9E2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	5	5	5	5	4	4	4	4	5	5	5	5
Minimum	26	2.1	3	25	11	11	31.3	18	12	13.7	91.9	22
Maximum	30.1	3.71	25	30.61	35	15	56	21.8	21	27.8	139	33.1
Median i	29.6	2.5	9.38	29	26.05	13.2	41.6	20	15.8	19	114	29
Mean i	28.7	2.71	11.5	28.6	24.5	13.1	42.6	20	16.2	20.3	117	28.2
MAD i	0.5	0.4	4.22	1.0	5.75	1.3	6.45	0.9	1.2	4.0	15	1.8
IQR i	2.26	0.801	10.8	2.6	14.3	2.52	14.7	2.11	4.08	7.01	23.4	5.11
Robust CV % i	7.6	32	110	9.0	55	19	35	11	26	37	21	18
Median f	29.6	2.5	9.38	29	26.05	13.2	41.6	20	15.8	19	114	29
Mean f	28.7	2.71	11.5	28.6	24.5	13.1	42.6	20	16.2	20.3	117	28.2
MAD f	0.5	0.4	4.22	1.0	5.75	1.3	6.45	0.9	1.2	4.0	15	1.8
IQR f	2.26	0.801	10.8	2.6	14.3	2.52	14.7	2.11	4.08	7.01	23.4	5.11
Robust CV % f	7.6	32	110	9.0	55	19	35	11	26	37	21	18
Outliers												
Stragglers												

2006-07: Bray-1 Extractable P — pooled (9E1 + 9E2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	14	14	14	14	10	10	10	10	16	16	16	16
Minimum	3.3	0.08	0.93	2.9	11	2.17	31.3	0.01	2	3	24	8
Maximum	54	27	206	68	39	23	86	27	108	100	569	119
Median i	28.8	2.89	9.24	28.8	29.36	13.65	49.1	19.8	17.3	25.4	114	29.45
Mean i	27.5	4.65	25.7	27.6	28.3	13.5	53	17.8	28.3	34.3	176	36.7
MAD i	3.3	0.7	4.05	3.3	5.64	2.0	8.93	1.9	5.8	8.05	48.5	2.95
IQR i	5.56	1.19	8.33	5.64	9.08	3.71	17.5	4.73	19.1	15	89	10.5
Robust CV % i	19	41	90	20	31	27	36	24	110	59	78	36
Median f	29.6	2.88	6.5	29	29.36	13.65	49.1	20	16	23	113	28.6
Mean f	29.4	2.88	7.43	28.3	28.3	13.7	53	21.1	17.6	22.7	106	28.4
MAD f	3.6	0.53	2.88	1.61	5.64	1.3	8.93	1.9	2.0	5.3	26	1.6
IQR f	4.97	0.85	4.97	4.15	9.08	2.52	17.5	3.74	5.19	9.01	50.8	2.97
Robust CV % f	17	30	76	14	31	18	36	19	32	39	45	10
Outliers	3	2	2	3	0	1	0	2	4	3	2	5
Stragglers	0	1	1	0	0	1	0	0	1	0	1	0

2006-07: Phosphorus buffer index (9I2O + 9I3O + 9I4O) L/kg air dry wt

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	3	3	3	3	2	2	2	2	2	2	2	2
Minimum	1.5	254	36.3	31.7	152	128	62.1	494	404	964	595	182
Maximum	14.1	269	47	45	176	149	69.6	527	416	1064	780	222
Median i	14	258	43.5	44.1	164	138.5	65.85	510.5	410	1014	687.5	202
Mean i	9.87	260	42.3	40.3	164	139	65.9	511	410	1010	688	202
MAD i	0.1	4.0	3.5	0.9	12	10.5	3.75	16.5	6.0	50	92.5	20
IQR i	9.34	11.1	7.93	9.86								
Robust CV % i	67	4.3	18	22								
Median f	14	258	43.5	44.1	164	138.5	65.85	510.5	410	1014	687.5	202
Mean f	9.87	260	42.3	40.3	164	139	65.9	511	410	1010	688	202
MAD f	0.1	4.0	3.5	0.9	12	10.5	3.75	16.5	6.0	50	92.5	20
IQR f	9.34	11.1	7.93	9.86								
Robust CV % f	67	4.3	18	22								
Outliers												
Stragglers												

2006-07: Phosphorus buffer index (9I4C) L/kg air dry wt

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	4	5	5	5	3	3	3	3	3	3	3	3
Minimum	3.37	161.8	36	30	136	119	33	194.8	372	915	545	169
Maximum	27.9	265	71.6	54.5	170	150	46.31	610	459	984	581	206
Median i	8.84	260	40	39	146.8	135.0	39	476	396	972	567	190
Mean i	12.2	241	46.1	39.9	151	135	39.4	427	409	957	564	188
MAD i	3.1	4.0	3.8	2.6	10.8	15	6.0	134	24	12	14	16
IQR i	13.9	39.7	14.9	10.2	25.2	23	9.87	308	64.5	51.1	26.7	27.4
Robust CV % i	160	15	37	26	17	17	25	65	16	5.3	4.7	14
Median f	8.84	260	40	39	146.8	135.0	39	476	396	972	567	190
Mean f	12.2	241	46.1	39.9	151	135	39.4	427	409	957	564	188
MAD f	3.1	4.0	3.8	2.6	10.8	15	6.0	134	24	12	14	16
IQR f	13.9	39.7	14.9	10.2	25.2	23	9.87	308	64.5	51.1	26.7	27.4
Robust CV % f	160	15	37	26	17	17	25	65	16	5.3	4.7	14
Outliers												
Stragglers												

2006-07: Phosphorus buffer index (9I2C + 9I3C + 9I4C) L/kg air dry wt

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	8	9	9	9	8	8	8	8	7	7	7	7
Minimum	3.37	161.8	36	30	23	23	8	65	372	664	355	169
Maximum	27.9	267	71.6	54.5	170	150	60.7	610	459	1080	627	206
Median i	9.24	259.6	40	39	141	124	36.6	451	396	972	567	190
Mean i	12.4	248	44.1	39.7	126	113	38.3	386	406	948	538	188
MAD i	3.95	3.6	3.8	1.0	10.4	14.5	6.86	73	5.0	57	22	9.0
IQR i	8.37	7.04	5.45	2.74	38.2	31.9	13.8	189	29.7	108	41.5	18.5
Robust CV % i	91	2.7	14	7.0	27	26	38	42	7.5	11	7.3	9.8
Median f	9.24	259.8	40	39	144.4	127	36.6	451	392	972	567.5	190
Mean f	12.4	259	40.7	38.5	148	126	38.3	386	390	948	569	188
MAD f	3.95	3.3	3.8	0.25	6.39	8.05	6.86	73	4.0	57	18	9
IQR f	8.37	5.56	5.28	1.13	15.2	17	13.8	189	11.9	108	38.9	18.5
Robust CV % f	91	2.1	13	2.9	11	13	38	42	3.0	11	6.9	9.8
Outliers	0	1	1	2	1	1	0	0	2	0	1	0
Stragglers	0	0	0	1	1	0	0	0	0	0	0	0

2006-07: Phosphorus buffer index — pooled "O" and "C" L/kg air dry wt

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	11	12	12	12	10	10	10	10	9	9	9	9
Minimum	1.5	161.8	36	30	23	23	8	65	372	664	355	169
Maximum	27.9	269	71.6	54.5	176	150	69.6	610	459	1080	780	222
Median i	9.57	258.8	41.8	39	144.4	127.5	42.7	474	399	972	568	190
Mean i	11.7	251	43.7	39.9	133	118	43.8	411	407	962	571	191
MAD i	4.53	3.8	3.35	2.95	10	11.5	10.2	48.5	8.0	57	27	9
IQR i	5.86	6.86	6.3	5.08	25.8	23.7	20.9	144	23.7	93.8	56.3	18.2
Robust CV % i	61	2.6	15	13	18	19	49	30	5.9	9.6	9.9	9.6
Median f	9.57	259.6	40	39	149.3	128	42.66	484	397.5	978	568	190
Mean f	11.7	260	41.1	38.5	152	129	43.8	481	400	1000	573	191
MAD f	4.53	3.6	3.8	2.6	8.39	9.0	10.2	27.5	6.5	42	23	9
IQR f	5.86	6.67	5.86	4.37	19.3	18.9	20.9	58	16.1	77.5	37.1	18.2
Robust CV % f	61	2.6	15	11	13	15	49	12	4.1	7.9	6.5	9.6
Outliers	0	1	1	1	2	1	0	2	1	1	2	0
Stragglers	0	0	0	0	0	0	0	0	0	0	0	0

2006-07: Phosphate Extractable S (10B3) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	10	10	10	10	11	11	11	11	8	8	8	8
Minimum	6	26.2	67	5.8	0.4	0.49	18	0.4	853	39	171	17
Maximum	44	63	93	15	23	43	63	67.7	2972	119	608	55.7
Median i	10.8	55.1	80.6	8.36	18.7	13	31	37	2292	97.98	530	47.5
Mean i	13.7	51.3	80	8.84	16.8	15	32.8	38.2	2000	88.5	465	41.4
MAD i	1.14	7.4	3.1	0.82	3.3	2.1	5.8	19	609	13	56.3	6.85
IQR i	1.95	11.2	6.39	1.7	7.41	3.71	8.75	24.8	1310	38.1	190	17.3
Robust CV % i	18	20	7.9	20	40	29	28	67	57	39	36	36
Median f	10.8	55.1	80.6	8.02	19	13	30.6	37	2292	97.99	560	47.5
Mean f	10.9	51.3	80	8.15	18.4	13.6	29.8	38.2	2000	88.5	546	41.4
MAD f	0.735	7.4	3.1	0.78	2.4	2.1	4.5	19	609	13	32.8	6.85
IQR f	1.37	11.2	6.39	1.62	4.52	3.71	7.23	24.8	1310	38.1	65.2	17.3
Robust CV % f	13	20	7.9	20	24	29	24	67	57	39	12	36
Outliers	1	0	0	1	1	2	1	0	0	0	1	0
Stragglers	1	0	0	0	0	0	0	0	0	0	1	0

2006-07: KCl_{40} Extractable S (Blair *et al.*) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	11	11	11	11	10	10	10	10	11	11	11	11
Minimum	9.42	32	72.8	6.15	6.5	7.2	23.8	10.9	877	31.1	193	20.5
Maximum	23	75.9	124	14.7	19	38	32	33	2630	63	506	40
Median i	12	43.4	83	8.3	12	9.6	25.3	19.65	2025	43	414	26
Mean i	13.2	46.8	87.8	8.97	12.3	12.9	26	21.5	2010	45.6	397	27.1
MAD i	1.13	5.0	5.0	1.34	0.9	1.41	1.1	1.9	145	5.0	51	4.2
IQR i	3.1	12.3	11.5	2.11	1.83	5.04	2.0	4.86	297	8.23	81.5	8.3
Robust CV % i	26	28	14	25	15	53	7.9	25	15	19	20	32
Median f	11.8	42.6	82.2	8.3	12	9.41	25.2	19.15	2042	43	414	26
Mean f	11.7	43.9	84.2	8.97	12.2	10.2	25.3	19.8	2120	45.6	397	27.1
MAD f	0.6	4.7	4.75	1.34	0.75	1.21	0.8	0.25	148	5.0	51	4.2
IQR f	1.01	8.75	8.58	2.11	1.24	3.27	1.7	1.26	317	8.23	81.5	8.3
Robust CV % f	8.6	21	10	25	10	35	6.8	6.6	16	19	20	32
Outliers	1	1	1	0	2	1	1	1	1	0	0	0
Stragglers	1	0	0	0	0	0	0	3	0	0	0	0

2006-07: DTPA Extractable Fe (12A1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	32	32	32	32	25	25	25	25	32	32	32	32
Minimum	13	5.9	0.05	0.3	64.28	0.88	14.2	1.47	89.6	18	49.26	11.63
Maximum	77	165	10	192	424	74.7	130	285	1100	310	700	490
Median i	29.5	52.05	2.5	50	191	34	44.8	115	319.5	78.5	264.5	189
Mean i	33.6	57.1	3.03	57.1	215	35.4	52.2	122	336	93.4	270	201
MAD i	7.9	7.62	0.785	6.8	15	5.0	8.27	11	44	20.3	48	34.9
IQR i	13	15.2	1.12	10.5	30.8	7.04	15.8	17	67.3	38.5	70.8	52.7
Robust CV % i	44	29	45	21	16	21	35	15	21	49	27	28
Median f	29	51.15	2.07	49.34	185	33.5	44.1	113.5	317	77	264.5	187
Mean f	29.9	52.6	2.1	49.4	190	33.9	43.8	113	312	83.6	263	187
MAD f	7	6.72	0.48	4.24	6.0	4.25	7.1	7.0	33	17.3	39	25
IQR f	10.8	9.86	0.66	6.01	16.7	6.0	10.1	12	54.4	34.7	63.8	35.8
Robust CV % f	37	19	32	12	9.0	18	23	11	17	45	24	19
Outliers	3	5	4	5	7	3	4	7	5	2	4	6
Stragglers	0	1	4	1	1	0	1	0	0	0	0	2

2006-07: DTPA Extractable Cu (12A1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	32	32	32	32	25	25	25	25	32	32	32	32
Minimum	1	1.1	1.09	0.89	0.024	1.423	0.363	0.01	0.0088	1.94	0.523	0.031
Maximum	3.4	4.37	2.81	5.34	1.53	4.58	2.1	1.28	1.7	11	5.9	11.4
Median i	1.36	3.08	1.5	1.295	0.329	2.24	0.578	0.5	0.150	4.25	3.5	0.464
Mean i	1.57	3.16	1.58	1.51	0.423	2.33	0.687	0.556	0.253	4.76	3.36	0.827
MAD i	0.16	0.255	0.19	0.115	0.078	0.19	0.096	0.098	0.059	0.725	0.45	0.135
IQR i	0.36	0.513	0.28	0.222	0.116	0.315	0.162	0.138	0.159	1.57	0.701	0.2
Robust CV % i	26	17	19	17	35	14	28	28	110	37	20	43
Median f	1.3	3.02	1.46	1.255	0.318	2.24	0.558	0.495	0.12	4.2	3.5	0.459
Mean f	1.33	3.08	1.47	1.29	0.322	2.23	0.57	0.519	0.118	4.39	3.55	0.468
MAD f	0.1	0.13	0.14	0.12	0.052	0.165	0.062	0.086	0.039	0.5	0.35	0.124
IQR f	0.172	0.252	0.222	0.148	0.068	0.23	0.126	0.117	0.058	1.17	0.506	0.186
Robust CV % f	13	8.3	15	12	21	10	23	24	49	28	14	41
Outliers	4	6	3	4	3	3	3	3	6	2	6	2
Stragglers	2	1	0	0	3	0	1	0	3	3	0	0

2006-07: DTPA Extractable Mn (12A1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	32	32	32	32	24	25	25	25	31	31	31	31
Minimum	3.1	22	27.2	36	12	98	6	0.36	4	48.93	7.05	17.234
Maximum	46	123	81	167	458	498.3	13	45	26.29	382.4	92.1	180.5
Median i	6.41	39.5	47	73	42.85	145	10.3	26.1	16.9	189	65.6	118
Mean i	8.65	45.1	45.9	76.1	55.9	165	10.3	25.8	16.7	201	61.6	109
MAD i	0.375	7.69	6.15	3.5	3.15	8.83	0.5	2.15	1.1	27	5.6	8
IQR i	1.91	13.4	13.3	5.64	5.63	18.8	0.852	3.6	1.48	37.1	8.9	14.7
Robust CV % i	30	34	28	7.7	13	13	8.3	14	8.8	20	14	12
Median f	6.3	38.3	47	73	43	143	10.3	26.2	16.9	186.5	68.7	122
Mean f	6.31	37.9	44.8	72.1	43	145	10.3	26.7	16.9	188	68.2	120
MAD f	0.12	5.7	6	2.0	1.0	9.0	0.395	2.06	0.9	14.9	3.5	6.0
IQR f	0.178	7.95	12.6	3.71	1.19	12.2	0.612	3.15	1.48	20.7	5.19	7.23
Robust CV % f	2.8	21	27	5.1	2.8	8.5	5.9	12	8.8	11	7.6	5.9
Outliers	10	4	1	7	5	4	2	3	3	5	4	6
Stragglers	3	0	0	2	4	0	1	0	1	4	4	1

2006-07: DTPA Extractable Zn (12A1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	32	32	32	32	25	25	25	25	31	31	31	31
Minimum	0.8	1.8	0.4	0.5	1.3	0.367	0.66	0.02	0.93	1.66	2.55	0.77
Maximum	12	4.1	2.3	3.4	2.8	1.44	1.44	2.7	14	18	22.36	3.27
Median i	2.955	2.235	0.579	1.07	1.82	0.69	1.03	1.54	11	9.86	16	2.39
Mean i	3.23	2.38	0.701	1.24	1.88	0.694	1.03	1.61	10.6	10.2	15.1	2.32
MAD i	0.17	0.235	0.065	0.085	0.23	0.091	0.12	0.205	1.0	1.14	2.0	0.31
IQR i	0.284	0.426	0.129	0.15	0.371	0.123	0.166	0.35	1.77	2.22	3.41	0.452
Robust CV % i	9.6	19	22	14	20	18	16	23	16	23	21	19
Median f	2.92	2.2	0.565	1.035	1.81	0.68	1.03	1.525	11.18	9.72	16	2.4
Mean f	2.96	2.25	0.561	1.04	1.8	0.663	1.03	1.51	11.3	9.88	16.6	2.42
MAD f	0.15	0.2	0.042	0.057	0.21	0.081	0.12	0.135	0.91	0.62	2.0	0.3
IQR f	0.217	0.289	0.064	0.085	0.341	0.095	0.166	0.223	1.45	1.19	2.22	0.337
Robust CV % f	7.4	13	11	8.2	19	14	16	15	13	12	14	14
Outliers	6	2	6	7	2	1	0	5	3	6	4	2
Stragglers	0	1	0	1	0	0	0	0	0	4	0	0

2006-07: Hot $CaCl_2$ Extractable B — manual colour (12C1) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	9	9	9	9	7	7	7	7	8	8	8	8
Minimum	0.445	0.338	0.284	0.209	0.18	0.64	0.69	0.06	4.46	0.977	1.59	0.35
Maximum	62	36	15	1.3	2.32	2.6	2.9	2.1	13	3.5	5.2	2.42
Median i	1.6	2.2	1.8	0.42	1.17	1.1	1.4	0.861	5.9	1.79	2.355	1.234
Mean i	8.16	5.7	3.08	0.546	1.12	1.26	1.56	0.947	7.24	1.99	2.64	1.33
MAD i	0.5	0.86	0.271	0.094	0.83	0.37	0.59	0.531	0.605	0.51	0.31	0.52
IQR i	0.725	1.36	0.575	0.286	1.26	0.571	1.04	0.971	3.86	0.698	0.67	1.13
Robust CV % i	45	62	32	68	110	52	74	110	65	39	28	92
Median f	1.42	1.85	1.75	0.4	1.17	1.1	1.4	0.861	5.475	1.79	2.3	1.234
Mean f	1.43	1.91	1.65	0.452	1.12	1.26	1.56	0.947	5.51	1.99	2.27	1.33
MAD f	0.39	0.699	0.06	0.087	0.83	0.37	0.59	0.531	0.48	0.51	0.2	0.52
IQR f	0.588	1.23	0.258	0.221	1.26	0.571	1.04	0.971	0.857	0.698	0.46	1.13
Robust CV % f	41	67	15	55	110	52	74	110	16	39	20	92
Outliers	1	1	2	1	0	0	0	0	2	0	1	0
Stragglers	0	0	1	0	0	0	0	0	0	0	0	0

2006-07: Hot $CaCl_2$ Extractable B — ICPAES (12C2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	16	16	16	16	16	16	16	16	17	17	17	17
Minimum	1.3	1.26	1.58	0.3	0.1	0.57	0.569	0.1	0.01	0.6	0.6	0.1
Maximum	2.43	3.42	2.7	1.0	1.4	1.67	1.83	0.99	9.94	7.3	3.4	1.72
Median i	1.8	2.35	1.905	0.519	0.295	1.05	1.195	0.542	3.6	1.75	2.1	0.52
Mean i	1.8	2.33	2.03	0.577	0.439	1.09	1.2	0.545	4.13	1.94	1.96	0.596
MAD i	0.245	0.505	0.22	0.082	0.074	0.177	0.175	0.141	1.29	0.45	0.66	0.094
IQR i	0.328	0.858	0.398	0.158	0.212	0.414	0.297	0.213	1.56	0.764	0.752	0.253
Robust CV % i	18	37	21	31	72	39	25	39	43	44	36	49
Median f	1.8	2.35	1.905	0.49	0.287	1.05	1.195	0.542	3.56	1.71	2.1	0.512
Mean f	1.8	2.33	2.03	0.499	0.318	1.09	1.2	0.545	3.76	1.6	1.96	0.509
MAD f	0.245	0.505	0.22	0.07	0.066	0.177	0.175	0.141	1.14	0.39	0.66	0.046
IQR f	0.328	0.858	0.398	0.103	0.122	0.414	0.297	0.213	1.54	0.682	0.752	0.081
Robust CV % f	18	37	21	21	43	39	25	39	43	40	36	16
Outliers	0	0	0	2	2	0	0	0	1	1	0	3
Stragglers	0	0	0	1	0	0	0	0	0	0	0	4

2006-07: Hot $CaCl_2$ Extractable B — pooled (12C1 + 12C2) mg/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	25	25	25	25	23	23	23	23	25	25	25	25
Minimum	0.445	0.338	0.284	0.209	0.1	0.57	0.569	0.06	0.01	0.6	0.6	0.1
Maximum	62	36	15	1.3	2.32	2.6	2.9	2.1	13	7.3	5.2	2.42
Median i	1.8	2.3	1.82	0.5	0.353	1.08	1.2	0.561	4.89	1.78	2.21	0.6
Mean i	4.09	3.54	2.41	0.566	0.645	1.14	1.31	0.667	5.12	1.95	2.18	0.83
MAD i	0.28	0.7	0.2	0.12	0.139	0.22	0.3	0.202	1.34	0.42	0.33	0.25
IQR i	0.419	1.06	0.445	0.213	0.682	0.474	0.311	0.349	2.12	0.786	0.697	0.503
Robust CV % i	23	46	24	43	190	44	26	62	43	44	32	84
Median f	1.8	2.25	1.81	0.49	0.29	1.05	1.2	0.55	4.5	1.75	2.22	0.527
Mean f	1.73	2.19	1.86	0.515	0.324	1.08	1.24	0.553	4.44	1.66	2.17	0.603
MAD f	0.25	0.685	0.105	0.11	0.069	0.185	0.265	0.16	1.1	0.38	0.297	0.177
IQR f	0.363	1.02	0.196	0.178	0.143	0.338	0.349	0.275	1.58	0.667	0.463	0.321
Robust CV % f	20	45	11	36	49	32	29	50	35	38	21	61
Outliers	2	1	3	2	6	1	1	2	2	2	3	3
Stragglers	0	0	2	0	0	0	0	0	2	0	0	1

2006-07: Exchangeable Ca — 1M NH_4Cl extract (15A1) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	19	20	20	19	14	14	14	14	17	17	17	17
Minimum	1.6	0.45	0.3	0.28	1.12	18.4	1.7	3.37	0.41	6.56	14.31	3.08
Maximum	7.7	44.7	41	14.6	2.02	32.8	3.39	6.04	2.8	1669	3067	691
Median i	1.9	38.92	24.1	6.53	1.6	21	2.60	4.39	1.92	9.7	18.7	4.38
Mean i	2.28	35.8	22.4	6.79	1.56	22.4	2.62	4.38	1.84	107	198	44.8
MAD i	0.17	4.15	3.5	0.49	0.199	1.05	0.295	0.58	0.17	0.7	1.6	0.38
IQR i	0.385	6.75	7.58	0.638	0.276	2.12	0.471	0.951	0.304	1.12	2.3	0.675
Robust CV % i	20	17	31	9.8	17	10	18	22	16	12	12	15
Median f	1.9	39	24.1	6.515	1.6	20.95	2.605	4.39	1.92	9.7	17.85	4.37
Mean f	1.94	37.7	22.6	6.58	1.56	20.9	2.62	4.38	1.87	9.68	18	4.42
MAD f	0.14	4.0	3.05	0.4	0.199	1.0	0.295	0.58	0.12	0.7	1.55	0.375
IQR f	0.271	6.38	6.73	0.578	0.276	1.23	0.471	0.951	0.252	1.05	2.0	0.56
Robust CV % f	14	16	28	8.9	17	5.9	18	22	13	11	11	13
Outliers	1	1	2	3	0	2	0	0	2	2	1	1
Stragglers	1	0	0	0	0	0	0	0	0	0	1	0

2006-07: Exchangeable Mg — 1M NH_4Cl extract (15A1) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	19	20	20	19	14	14	14	14	17	17	17	17
Minimum	0.3	0.46	0.08	0.28	0.75	8.0	0.38	0.68	0.67	1.7	2.81	1.07
Maximum	1.8	33.7	3.6	8.9	1.58	15.5	1.14	1.3	438	247	482	199
Median i	0.701	29.85	2.18	2.4	1.17	11.95	0.73	0.839	3.72	2.07	3.49	1.5
Mean i	0.751	25.9	2.05	2.61	1.19	11.9	0.75	0.887	29.1	16.5	31.7	13.1
MAD i	0.056	1.7	0.262	0.2	0.08	0.55	0.083	0.074	0.247	0.17	0.26	0.08
IQR i	0.131	4.67	0.393	0.297	0.143	0.982	0.138	0.176	0.356	0.297	0.486	0.185
Robust CV % i	19	16	18	12	12	8.2	19	21	9.6	14	14	12
Median f	0.69	30.6	2.2	2.40	1.17	11.95	0.73	0.81	3.72	2.06	3.46	1.5
Mean f	0.692	30.5	2.22	2.47	1.2	11.9	0.748	0.815	3.75	2.02	3.41	1.52
MAD f	0.03	1.35	0.1	0.162	0.065	0.45	0.056	0.04	0.21	0.08	0.18	0.04
IQR f	0.056	2.22	0.172	0.251	0.109	0.723	0.11	0.087	0.348	0.15	0.326	0.083
Robust CV % f	8.1	7.3	7.8	10	9.3	6.0	15	11	9.4	7.3	9.4	5.6
Outliers	4	4	3	3	2	2	1	1	2	2	3	4
Stragglers	2	1	4	0	0	0	1	2	0	1	0	1

2006-07: Exchangeable Na — 1M NH_4Cl extract (15A1) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	19	19	20	19	13	13	13	13	16	16	16	16
Minimum	0.153	1.308	0.272	0.098	0.058	0.21	0.090	0.068	0.01	0.15	0.14	0.02
Maximum	1.218	8.31	2.3	1.6	0.744	1.64	0.87	1.04	3.66	1.766	1.43	1.15
Median i	0.369	6.08	1.2	0.261	0.135	0.58	0.258	0.2	2.57	0.375	0.485	0.12
Mean i	0.415	5.7	1.25	0.366	0.198	0.659	0.318	0.3	2.47	0.503	0.537	0.202
MAD i	0.04	0.52	0.18	0.041	0.043	0.12	0.07	0.029	0.095	0.06	0.056	0.02
IQR i	0.066	1.04	0.261	0.092	0.077	0.2	0.153	0.126	0.178	0.102	0.102	0.048
Robust CV % i	18	17	22	35	57	35	59	63	6.9	27	21	40
Median f	0.361	6.12	1.2	0.261	0.113	0.566	0.232	0.198	2.57	0.359	0.485	0.12
Mean f	0.364	6.09	1.2	0.261	0.13	0.577	0.241	0.209	2.57	0.337	0.491	0.124
MAD f	0.035	0.35	0.13	0.012	0.023	0.106	0.052	0.023	0.076	0.046	0.039	0.018
IQR f	0.056	0.563	0.196	0.026	0.058	0.174	0.083	0.049	0.127	0.075	0.061	0.032
Robust CV % f	16	9.2	16	10	51	31	36	25	4.9	21	12	27
Outliers	3	4	2	4	2	1	2	3	4	2	4	3
Stragglers	1	1	1	3	0	0	0	1	0	1	0	0

2006-07: Exchangeable K — 1M NH_4Cl extract (15A1) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	19	20	20	19	14	14	14	14	17	17	17	17
Minimum	0.037	0.03	0.05	0.04	0.237	1.26	0.205	0.257	0.047	0.84	0.65	0.4
Maximum	0.5	3.2	2.2	2	0.8	2.71	0.68	0.71	0.29	1.74	1.453	0.9
Median i	0.321	2.0	0.997	0.342	0.4	1.45	0.332	0.395	0.132	1.4	1.12	0.74
Mean i	0.3	1.93	0.977	0.398	0.417	1.58	0.362	0.407	0.147	1.38	1.11	0.729
MAD i	0.026	0.215	0.095	0.042	0.032	0.15	0.038	0.056	0.048	0.1	0.08	0.11
IQR i	0.039	0.326	0.136	0.066	0.054	0.293	0.069	0.091	0.072	0.151	0.135	0.173
Robust CV % i	12	16	14	19	13	20	21	23	55	11	12	23
Median f	0.325	2	1.0	0.345	0.4	1.43	0.327	0.39	0.132	1.415	1.12	0.74
Mean f	0.327	2.01	1.01	0.357	0.4	1.49	0.337	0.383	0.147	1.42	1.12	0.729
MAD f	0.015	0.2	0.05	0.012	0.028	0.12	0.034	0.052	0.048	0.094	0.07	0.11
IQR f	0.022	0.313	0.1	0.039	0.044	0.248	0.061	0.088	0.072	0.14	0.111	0.173
Robust CV % f	6.6	16	10	11	11	17	19	23	55	9.9	9.9	23
Outliers	5	4	3	3	2	1	1	1	0	1	1	0
Stragglers	1	0	0	2	0	0	0	0	0	0	1	0

2006-07: Exchangeable Ca — 1M NH_4OAc extract (15D3) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	18	18	18	18	20	20	20	20	22	22	22	22
Minimum	1.41	3.7	9.58	5.79	1.2	19	2.3	3.49	1.34	6.9	14.7	3.3
Maximum	3.28	48.7	37.8	7.29	2.77	25.1	3.84	5.6	2.42	11.9	24.6	5.55
Median i	1.82	36.8	21.4	6.5	1.56	21.1	2.75	4.14	1.82	8.37	18.1	4.08
Mean i	1.88	36	22.3	6.6	1.63	21.3	2.84	4.24	1.84	8.58	18	4.21
MAD i	0.151	1.77	1.4	0.295	0.265	0.75	0.215	0.345	0.225	0.637	1.1	0.2
IQR i	0.251	2.77	2.15	0.528	0.432	1.21	0.348	0.519	0.348	1.03	1.81	0.467
Robust CV % i	14	7.5	10	8.1	28	5.7	13	13	19	12	10	11
Median f	1.81	36.8	21.06	6.50	1.52	20.9	2.75	4.14	1.82	8.34	18	4
Mean f	1.8	37.2	21.1	6.6	1.57	20.9	2.79	4.17	1.84	8.43	17.7	4.02
MAD f	0.12	1.4	0.975	0.295	0.23	0.72	0.2	0.34	0.225	0.62	1.1	0.1
IQR f	0.234	2.22	1.53	0.528	0.393	1.06	0.319	0.519	0.348	0.961	1.79	0.154
Robust CV % f	13	6.0	7.3	8.1	26	5.1	12	13	19	12	9.9	3.8
Outliers	1	4	3	0	1	2	1	1	0	1	1	2
Stragglers	0	0	1	0	0	0	0	0	0	0	0	4

2006-07: Exchangeable Mg — 1M NH_4OAc extract (15D3) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	**112**	**113**	**114**	**21**	**22**	**23**	**24**	**51**	**52**	**53**	**54**
No of results	18	18	18	18	20	20	20	20	22	22	22	22
Minimum	0.368	1.3	1.13	1.43	0.774	8.39	0.495	0.554	3.26	1.7	3.02	1.24
Maximum	1.2	35.1	2.63	2.61	1.75	15.6	11.6	1.49	4.55	2.39	4.11	1.81
Median i	0.736	28.6	2.11	2.39	1.2	11.8	0.792	0.842	3.78	1.96	3.5	1.48
Mean i	0.746	25.9	2.06	2.34	1.22	11.8	1.36	0.882	3.8	2.01	3.44	1.49
MAD i	0.067	2.26	0.095	0.14	0.125	0.99	0.097	0.056	0.28	0.115	0.175	0.105
IQR i	0.112	3.77	0.139	0.226	0.208	1.59	0.185	0.123	0.423	0.165	0.271	0.171
Robust CV % i	15	13	6.6	9.4	17	13	23	15	11	8.4	7.7	12
Median f	0.736	28.6	2.11	2.4	1.2	11.8	0.778	0.84	3.78	1.96	3.5	1.48
Mean f	0.742	28.7	2.08	2.4	1.2	11.8	0.782	0.827	3.8	2.01	3.44	1.49
MAD f	0.064	0.597	0.072	0.12	0.11	0.99	0.058	0.04	0.28	0.115	0.175	0.105
IQR f	0.099	0.953	0.115	0.181	0.185	1.59	0.107	0.065	0.423	0.165	0.271	0.171
Robust CV % f	14	3.3	5.5	7.5	15	13	14	7.8	11	8.4	7.7	12
Outliers	2	3	2	1	1	0	2	3	0	0	0	0
Stragglers	0	3	0	0	0	0	2	2	0	0	0	0

2006-07: Exchangeable Na — 1M NH_4OAc extract (15D3) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	20	20	20	20	19	19	19	19	21	21	21	21
Minimum	0.036	0.044	0.027	0.01	0.057	0.392	0.161	0.102	2.27	0.224	0.278	0.085
Maximum	1.01	10.9	3.27	1.08	0.52	1.08	0.63	0.63	3.11	3.7	3.2	1.6
Median i	0.404	6.22	1.28	0.281	0.11	0.588	0.26	0.193	2.59	0.389	0.51	0.163
Mean i	0.437	5.76	1.32	0.327	0.153	0.629	0.299	0.248	2.63	0.576	0.664	0.264
MAD i	0.04	0.59	0.14	0.048	0.02	0.062	0.02	0.033	0.16	0.05	0.089	0.027
IQR i	0.061	0.947	0.243	0.072	0.033	0.145	0.024	0.038	0.241	0.069	0.121	0.066
Robust CV % i	15	15	19	26	30	25	9.1	20	9.3	18	24	41
Median f	0.404	6.39	1.28	0.277	0.107	0.550	0.256	0.188	2.59	0.372	0.498	0.147
Mean f	0.396	6.28	1.28	0.277	0.107	0.57	0.256	0.187	2.63	0.373	0.516	0.147
MAD f	0.035	0.535	0.13	0.036	0.014	0.048	0.007	0.022	0.16	0.047	0.031	0.018
IQR f	0.049	0.741	0.211	0.054	0.023	0.075	0.011	0.037	0.241	0.058	0.074	0.025
Robust CV % f	12	12	16	20	21	14	4.2	20	9.3	15	15	17
Outliers	4	4	2	4	3	2	4	4	0	4	2	4
Stragglers	0	0	0	0	0	1	2	0	0	0	2	1

2006-07: Exchangeable K — 1M NH_4OAc extract (15D3) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	20	20	20	20	20	20	20	20	23	23	23	23
Minimum	0.276	0.01	0.873	0.292	0.269	0.75	0.218	0.235	0.102	1.31	1.03	0.724
Maximum	0.89	3.1	1.39	0.63	0.55	1.865	0.51	0.47	0.333	1.7	1.42	14.6
Median i	0.338	1.87	1.02	0.362	0.435	1.39	0.38	0.391	0.16	1.5	1.21	0.82
Mean i	0.36	1.96	1.04	0.377	0.438	1.42	0.373	0.393	0.163	1.5	1.22	1.42
MAD i	0.016	0.177	0.056	0.023	0.032	0.155	0.024	0.038	0.025	0.078	0.041	0.053
IQR i	0.023	0.367	0.095	0.037	0.058	0.213	0.039	0.048	0.045	0.119	0.067	0.068
Robust CV % i	6.7	20	9.3	10	13	15	10	12	28	7.9	5.5	8.3
Median f	0.338	1.825	1.01	0.359	0.44	1.39	0.38	0.392	0.157	1.5	1.21	0.817
Mean f	0.335	1.91	0.997	0.358	0.447	1.42	0.381	0.401	0.155	1.5	1.21	0.824
MAD f	0.013	0.136	0.042	0.018	0.03	0.155	0.023	0.037	0.026	0.078	0.026	0.050
IQR f	0.020	0.232	0.078	0.032	0.056	0.213	0.036	0.047	0.044	0.119	0.040	0.068
Robust CV % f	6.0	13	7.7	8.8	13	15	9.4	12	29	7.9	3.4	8.3
Outliers	1	4	2	2	1	0	3	1	1	0	4	1
Stragglers	1	0	1	0	0	0	0	0	0	0	3	0

2006-07: Exchangeable Al — 1M KCl (15G1) cmol+/kg air dry

Statistical parameters	Soil sample identification and values											
	November 2006 (Round 206)				*February 2007 (Round 406)*				*May 2007 (Round 606)*			
	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS	ASS
	111	112	113	114	21	22	23	24	51	52	53	54
No of results	18	18	18	18	17	17	17	17	19	19	19	19
Minimum	0.001	0.000	0.000	0.000	0.273	0.000	0.01	0.159	5.99	0.044	0.005	0.212
Maximum	0.259	0.134	0.137	0.183	2.19	0.213	0.487	1.81	23.9	0.36	0.228	1.27
Median i	0.022	0.014	0.010	0.01	1.36	0.01	0.096	0.98	19.7	0.17	0.054	0.893
Mean i	0.050	0.029	0.024	0.023	1.29	0.041	0.131	0.894	17.5	0.189	0.074	0.832
MAD i	0.015	0.011	0.009	0.007	0.16	0.009	0.044	0.19	1.6	0.07	0.041	0.207
IQR i	0.026	0.031	0.020	0.014	0.245	0.04	0.069	0.334	4.97	0.112	0.065	0.328
Robust CV % i	110	230	200	140	18	400	71	34	25	66	120	37
Median f	0.016	0.007	0.005	0.009	1.36	0.009	0.078	0.98	19.9	0.17	0.04	0.893
Mean f	0.020	0.012	0.0087	0.0099	1.37	0.0063	0.078	0.882	20.3	0.189	0.058	0.832
MAD f	0.012	0.0058	0.004	0.0062	0.141	0.003	0.028	0.19	1.03	0.07	0.029	0.207
IQR f	0.022	0.012	0.0088	0.0096	0.217	0.0069	0.044	0.318	1.82	0.112	0.056	0.328
Robust CV % f	140	160	170	110	16	77	57	32	9.1	66	140	37
Outliers	3	3	3	3	3	5	3	2	4	0	1	0
Stragglers	0	1	2	0	0	1	0	0	1	0	1	0

4. Comments on Measurement Performance

Detailed evaluation of measurement performance is beyond the scope of this report. Such evaluations mostly occur at ASPAC Workshops, at other national and international meetings, and in the scientific literature. However, it is appropriate to make a few brief observations.

The median robust % CVs across the 12 samples, after the removal of "outliers" and "stragglers", ranged from 1.2 to 71.5%. This covered 38 tests reported by a minimum of six laboratories. Table 5 provides the identity of the six best performed and six worst performed tests, with their corresponding (final) median robust % CVs, noting that for Colwell (9B), Olsen (9C) and Bray-1 extractable P (9E) tests, only combined data (manual + autocolour finishes) rather than individual analytical finishes were considered for tabulation. The best-performed extractable P test was the autocolour finish of Colwell (9B2), followed by Olsen and Bray-1 (both with autocolour finish), which is in keeping with findings from previous ILPPs. Had individual P analytical finishes been considered then manual finishes for both Olsen and Bray P would have made the six worst performed tests. Water-soluble Cl by potentiometric titration (5A1) was less well performed than its autocolour counterpart (5A2). Both analytical finishes for hot $CaCl_2$ extractable boron featured in the six worst performed tests. The performances of the best tests were similar but slightly better in 2005-06. Some of the worst tests in 2005-06 were better in 2006-07 (both potentiometric 5A1 and autocolour chloride 5A2, exchangeable Na 15A1), and generally median robust CV's were similar in 2006-07 compared to 2005-06. Median concentrations of chloride and boron in exchange samples were generally lower in 2006-07.

The grand median final robust CV across the 38 tests was 13.5% compared to 14.0% in 2005-06, and ranged across the 12 soils from a minimum of 11% for test soils ASS114 and ASS53 to 16.5% for test soils ASS21 and ASS23. The data summaries in Section 3 show examples of skewed data; i.e. there were quite large differences at times between the median and mean values for individual tests. This emphasised the importance of using medians and MADs, which are less influenced by 'rogue' results in small data sets.

Table 5. The six best performed and worst performed soil chemical tests, based on percent robust coefficients of variation (grand medians) after the removal of "outliers" and "stragglers".

Best (Lowest Robust %CVs)	
Soil Method	***%CV***
Soil pH, 1:5 0.01 M $CaCl_2$ (4B2)	1.20
Soil pH, 1:5 0.01 M $CaCl_2$ (4B1)	1.80
Soil pH, 1:5 water (4A1)	1.90
KCl Extractable Nitrate N (7C2)	6.8
Total Organic Carbon (6B3)	8.0
DTPA Extractable Mn (12A1)	8.1

Worst (Highest Robust %CVs)	
Soil Method	***%CV***
Water soluble Nitrate – N – autocolour (7B1)	25.5
Water soluble Cl - potentiometric (5A1)	26.5
Bray P (pooled) (9E1 + 9E2)	30.5
Hot $CaCl_2$ Extractable B (12C2)	36.5
Hot $CaCl_2$ Extractable B (12C1)	53.5
Exchangeable Al (15G1)	71.5

Consistent with the observations made in the 2005-06 annual report, the measurement performance of exchangeable Al by method 15G1 (1M KCl extraction) worsened (as judged by final robust CVs) as soil hydrogen ion concentrations decreased. When soil pH in water 1:5 (4A1), exceeds 5.5, exchangeable Al concentrations will be very low and near reporting limits, thus robust CV's will be high. For those soils with pHw of ≤5.5, the median robust CV was calculated to be 34.5%, which still places method 15G1 in the six worst performed tests.

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Appendix 2: Summary examples of homogeneity data and statistical assessments for soil samples used in the ASPAC Soil ILPP in 2006-07.

Sample name		ASS 111	ASS 112	ASS 113	ASS 114	ASS 21	ASS 22	ASS 23	ASS 24	ASS 51	ASS 52	ASS 53	ASS 54
Test Method		Dumas N	Dumas N	Dumas N	Dumas N	Dumas N	Dumas N	Dumas N	Dumas N	Dumas N	Dumas N	Dumas N	Dumas N
Sample 1	Rep 1	0.085	0.121	0.043	0.117	0.226	0.124	0.096	0.313	0.214	0.428	0.530	0.325
	Rep 2	0.081	0.109	0.042	0.064	0.218	0.122	0.099	0.317	0.220	0.425	0.492	0.321
Sample 2	Rep 1	0.109	0.092	0.054	0.078	0.235	0.126	0.098	0.307	0.210	0.422	0.533	0.321
	Rep 2	0.076	0.094	0.036	0.092	0.239	0.122	0.104	0.320	0.211	0.417	0.502	0.320
Sample 3	Rep 1	0.068	0.101	0.030	0.077	0.237	0.120	0.109	0.333	0.213	0.424	0.523	0.320
	Rep 2	0.078	0.115	0.042	0.064	0.245	0.122	0.098	0.320	0.217	0.426	0.511	0.318
Sample 4	Rep 1	0.087	0.107	0.039	0.047	0.219	0.124	0.094	0.333	0.213	0.421	0.526	0.297
	Rep 2	0.087	0.098	0.031	0.067	0.233	0.118	0.104	0.329	0.215	0.415	0.522	0.310
Sample 5	Rep 1	0.075	0.102	0.038	0.071	0.232	0.126	0.098	0.318	0.217	0.413	0.500	0.311
	Rep 2	0.076	0.122	0.049	0.089	0.244	0.122	0.100	0.340	0.220	0.411	0.519	0.317
Sample 6	Rep 1	0.091	0.091	0.032	0.042	0.204	0.120	0.098	0.333	0.206	0.421	0.518	0.320
	Rep 2	0.085	0.106	0.034	0.064	0.244	0.118	0.100	0.304	0.221	0.427	0.534	0.331
Sample 7	Rep 1	0.082	0.106	0.042	0.057	0.208	0.121	0.104	0.328	0.218	0.430	0.535	0.304
	Rep 2	0.087	0.098	0.043	0.096	0.226	0.122	0.094	0.322	0.206	0.428	0.523	0.308
Sample 8	Rep 1	0.085	0.098	0.050	0.051	0.191	0.121	0.093	0.325	0.224	0.427	0.537	0.312
	Rep 2	0.081	0.118	0.043	0.057	0.196	0.125	0.091	0.329	0.214	0.427	0.525	0.324
Sample 9	Rep 1	0.074	0.103	0.060	0.068	0.237	0.120	0.098	0.330	0.208	0.426	0.531	0.300
	Rep 2	0.080	0.100	0.031	0.060	0.233	0.120	0.110	0.311	0.211	0.425	0.529	0.311
Sample 10	Rep 1	0.072	0.106	0.039	0.075	0.214	0.123	0.099	0.334	0.213	0.418	0.506	0.312
	Rep 2	0.081	0.098	0.035	0.072	0.246	0.122	0.097	0.323	0.211	0.426	0.521	0.311
Mean		0.082	0.1043	0.0407	0.0704	0.2263	0.122	0.0992	0.3235	0.2141	0.4228	0.5209	0.3146
Analytical SD		0.0083	0.0089	0.0088	0.0173	0.0132	0.0023	0.0051	0.0106	0.0052	0.003	0.0136	0.0057
Sampling SD		0.0021	0.0017	0.0039	0.0047	0.0103	0.0006	0.0014	0.0042	0.0017	0.0046	0.0051	0.0065
SD of proficiency data		0.0141	0.0141	0.0111	0.0119	0.0156	0.0148	0.0208	0.0289	0.0178	0.0282	0.0341	0.0252
Homogeneity index		0.015	0.123	0.349*	0.3919*	0.6626**	0.0396	0.0666	0.146	0.098	0.1617	0.1504	0.2594
Status		**H**	**H**	**H**	**H**	**N/H**	**H**	**H**	**H**	**H**	**H**	**H**	**H**
F-statistic		-	1.076	0.616	1.145	2.231	-	0.854	0.68	0.778	-	0.7155	-
F critical		-	3.02	3.02	3.02	3.02	-	3.02	3.02	3.02	-	3.02	-
F<F critical		**-**	**Y**	**Y**	**Y**	**Y**	**-**	**Y**	**Y**	**Y**	**-**	**Y**	**-**

Samples were assessed using ISO/REMCO N237

Unit for Dumas N is %N.

H – homogenous, N/H – non homogenous

* Samples ASS 113 & 114 had a homogeneity Index >0.3. However, there were no statistically significant sample-to-sample differences and proficiency assessments were not unduly influenced.

** Sample ASS 21 was determined to be non homogenous and all assessments made on this sample were withdrawn

Appendix 3: Statistical procedures used by ASPAC for its Soil ILPP, 2006-07

Refer to Table 4 for a description of most statistical terms and their meaning. Of most significance is the "median / MAD" non-parametric, iterative procedure for identifying "outliers" (††) and "stragglers" (†) within datasets for particular tests and samples from multiple (typically 6 or greater) laboratories. See references in the body of the report for more details. Also, the median is regarded as a good estimate of the true mean (μ), while the MAD; ie. the median of the absolute deviations from the median, is regarded as a good estimate of the standard deviation (@).

After tabulating the data with a separate column for each sample result and a separate row for each laboratory, calculations were applied iteratively. Each iteration operated at an action level of [(X- μ)/f@] (called the "ASPAC Score" for convenience) > 2, where "X" is the value reported by the laboratory (one replicate assumed), "μ" is the median of the population of values, and "f@" is a code for the Gaussian distribution of the sample size "n", approximated by [0.7722 + 1.604/n * t, with t = the Student's "t" for 2.5% (two-tailed) with n-1 degrees of freedom]. Excluding any case when a laboratory reported no result (or a non-numeric value) [these were automatically excluded], the laboratories at first iteration with an "ASPAC score" > 2 were rated as "outliers" (††). Following their removal (if any), the remaining population of laboratory data were subject to a second iteration involving a recalculation of the "ASPAC score". Where this was again > 2, the relevant laboratories were rated as "stragglers" (†).

Further iterations can be undertaken if the sample is targeted for upgrading to the status of a reference, only to converge the mean and the median, thereby providing a more likely "correct" reference result.

The other statistics summarised in Table 4 were calculated on the same populations of data. However, only the first (i) and second (final; f) values appear in the data summaries in Section 3.

Appendix 4: "Raw" program data for the 12 samples across three "rounds".

The following tabulations list the "raw" data provided by participating laboratories for each method. Laboratories were asked to report results to three significant figures with some exceptions. Accordingly results with excessive significant figures have been changed to conform with requirements, and to assist data presentation. Statistical "outliers" and "stragglers" are indicated by †† and †, respectively.

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Electrical conductivity 1:5 soil-water (3A1) dS/m air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	3A1	0.163		0.608		0.272		0.102																	
L002	3A1	0.124	†	0.457	†	0.21	††	0.085	†																
L003	3A1	230	††	1390	††	590	††	1060	††									1.95		0.141	††	0.476		0.271	
L004	3A1	0.154		0.559		0.26		0.1		0.103		0.105		0.317		0.152		2.21		0.216		0.611		0.316	
L007	3A1	0.16		0.73		0.25		0.11		0.07		0.1		0.4		0.2	†	2.4		0.2		0.7		0.3	
L009	3A1	0.159		0.638		0.284		0.113		0.087		0.113		0.319		0.16		1.65	††	0.192		0.39	††	0.219	††
L011	3A1	0.158		0.613		0.268		0.104		0.089		0.117		0.36		0.173		2.6		0.21		0.7		0.35	
L013	3A1	0.14		0.57		0.28		0.12	†	0.09		0.11		0.32		0.17		2.42		0.21		0.63		0.34	
L014	3A1	0.191	†	0.872	††	0.345	††	0.131	††									2.2		0.21		0.6		0.29	
L018	3A1	0.15		0.62		0.26		0.1		0.086		0.101		0.333		0.158		2.23		0.188		0.594		0.32	
L019	3A1	0.159		0.617		0.258		0.106		0.075		0.11		0.318		0.143		2.43		0.201		0.66		0.346	
L022	3A1	0.145		0.602		0.27		0.104		0.087		0.112		0.345		0.157		2.39		0.192		0.64		0.349	
L023	3A1	0.16		0.68		0.28		0.11		0.08		0.12		0.36		0.17		2.7		0.23		0.71		0.37	
L024	3A1	180	††	560	††	270	††	120	††	94.4	††	155	††	430	††	169	††	1.87		0.162	††	0.496		0.276	
L026	3A1	0.143		0.695		0.254		0.108		0.078		0.138	†	0.294		0.146		2.06		0.192		0.588		0.294	
L027	3A1	0.193	††	0.737		0.334	††	0.121	†	0.079		0.128		0.352		0.163		2.48		0.232		0.723		0.368	
L028	3A1	0.15		0.61		0.25		0.1		0.11		0.12		0.36		0.16		2.46		0.2		0.66		0.35	
L030	3A1	0.153		0.677		0.25		0.105		0.1		0.163	††	0.341		0.167		2.13		0.201		0.616		0.314	
L032	3A1	0.157		0.602		0.273		0.103										2.34		0.203		0.646		0.339	
L035	3A1	118	††	633	††	248	††	110	††	0.785	††	1.26	††	2.66	††	1.29	††	2.73		0.212		0.54		0.365	
L036	3A1	0.151		0.617		0.281		0.109		0.09		0.13		0.35		0.171		2.55		0.236		0.708		0.368	
L040	3A1	0.147		0.567		0.26		0.097																	
L042	3A1	0.15		0.64		0.26		0.1		0.08		0.13		0.36		0.16		2.33		0.21		0.64		0.33	
L044	3A1	0.163		0.596		0.272		0.106		0.087		0.116		0.366		0.171		2.39		0.206		0.682		0.345	
L045	3A1	0.16		0.65		0.26		0.1		0.08		0.11		0.33		0.24	††	2.24		0.2		0.63		0.33	
L046	3A1									0.0833		0.109		0.325		0.15		2.34		0.195		0.655		0.351	
L055	3A1	0.16				0.304	†	0.108		0.093		0.11		0.353		0.172		2.62		0.232		0.72		0.37	
L056	3A1	0.15		0.62		0.26		0.09		0.08		0.12		0.37		0.16		2.48		0.21		0.66		0.34	
L063	3A1	0.12	††	0.48	†	0.22	†	0.08	††									2.2		0.18		0.57		0.31	
L064	3A1	0.137		0.6		0.258		0.091		0.0825		0.125		0.335		0.145		2.49		0.2		0.68		0.33	
L080	3A1	1.06	††	3.69	††	1.76	††	0.706	††	0.085		0.114		0.361		0.165		2.38		0.186		0.618		0.323	
L084	3A1	0.156		0.525		0.262		0.102		0.095		0.119		0.355		0.173		2.45		0.196		0.636		0.34	
L100	3A1	0.162		0.601		0.297		0.109		0.086		0.112		0.371		0.176		2.49		0.226		0.689		0.367	
L126	3A1	0.14		0.58		0.26		0.1		0.093		0.09	†	0.35		0.15		2.72		0.265	††	0.723		0.389	
L132	3A1	0.167		0.619		0.263		0.11																	
L133	3A1	0.17		0.74		0.3		0.12	†	0.1		0.15	††	0.18	††	0.69	††	2.33		0.23		0.73		0.34	
L135	3A1	0.144		0.703		0.339	††	0.097		0.056	††	0.116		0.29		0.121	††	1.64	††	0.173		0.453	††	0.281	
L137	3A1	0.127	†	0.399	††	0.182	††	0.073	††									2.7		0.24	†	0.763		0.384	
L139	3A1	0.21	††	0.72		0.35	††	0.13	††	0.06	††	0.13		0.45	††	0.14		1.86		0.184		0.565		0.283	
L140	3A1	0.19	†	0.78	†	0.32	†	0.11		0.12	††	0.17	††	0.31		0.14		2		0.21		0.61		0.34	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Soil pH, 1:5 soil-water (4A1) air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	4A1	6.66		8.38		8.93		6.72																	
L002	4A1	6.49		8.21		8.92		6.46		4.95		6.91		5		4.85		2.87		5.44		5.51		4.55	
L003	4A1	6.36	†	8.13		6.41	††	6.44										3.18	†	5.28		5.33	†	4.81	
L004	4A1	6.75		8.18		8.57		6.67		4.95		7.14		5.07		5.02		2.96		5.56		5.64		4.68	
L007	4A1	6.3	††	8		8.6		6.6		4.6	††	6.5		4.8	†	4.8		2.9		5.4		5.5		4.5	
L009	4A1	6.55		8.33		8.89		6.78		4.98		7.06		5.09		5.07		3.04		5.59		5.68		4.71	
L011	4A1	6.63		8.25		8.81		6.65		4.98		7		5.08		5.07		2.99		5.55		5.63		4.68	
L012	4A1	6.8		7.9		8.5		6.9	††																
L013	4A1	6.5		8.1		8.3		6.8		5.1		6.7		4.9		5.3		2.9		5.5		5.6		4.8	
L014	4A1	6.35	†	8.01		8.4		6.46										2.72	††	5.2		5.19	††	4.33	††
L017	4A1									4.69	†	6.72		4.97		4.88		2.85		5.34		5.46		4.43	†
L018	4A1	6.68		8.32		8.88		6.68		5.02		7.1		5.09		5.08		3.01		5.56		5.64		4.71	
L019	4A1	6.58		8.19		8.64		6.69		5.06		6.86		5.05		5.01		2.88		5.19		5.39		4.27	††
L022	4A1	6.62		8.37		8.82		6.61		5.09		7.14		5.06		5.1		2.95		5.55		5.61		4.63	
L023	4A1	6.6		8.3		8.7		6.6		4.97		7.07		5.1		5.06		2.9		4.9	††	5.3	††	4.3	††
L024	4A1	6.7		8.2		8.9		6.5										2.81		5.58		5.56		4.88	†
L026	4A1	6.62		8.38		8.9		6.62		4.99		7.02		5.06		5.07		3.01		5.51		5.61		4.66	
L027	4A1	6.7		8.2		8.6		6.6		5		6.8		5.2		5.1		2.9		5.8	††	5.8	†	4.8	
L028	4A1	6.8		8.4		8.9		6.9	††	5.2		6.8		5.2		5.3		3		5.5		5.7		4.7	
L029	4A1	6.5		8.4		8.6		6.6										3		5.56		5.89	††	4.99	††
L030	4A1	6.52		8.22		8.74		6.56		4.75		6.76		5		4.93		3.03		5.33		5.53		4.51	
L032	4A1	6.62		8.39		8.83		6.73										2.98		5.47		5.58		4.63	
L035	4A1	6.3	††	7.9		8.4		6.2	††	4.67	†	6.8		4.88		4.75		2.9		5.57		5.78		4.75	
L036	4A1	6.67		8.33		8.86		6.68		4.91		7.1		5.07		5.06		2.99		5.35		5.56		4.59	
L040	4A1	6.71		8.2		8.73		6.59																	
L042	4A1	6.81		8.2		8.8		6.98	††	4.97		6.94		4.98		4.99		3.06		5.44		5.54		4.61	
L044	4A1	6.62		8.36		8.89		6.58		4.84		6.31		5.08		4.95		2.97		5.23		5.47		4.62	
L045	4A1	6.7		8.4		9		6.7		5.17		7.11		5.17		5.2		3.09		5.53		5.63		4.73	
L046	4A1									5.07		7.06		5.14		5.15		2.91		5.51		5.58		4.62	
L055	4A1	6.58				8.48		6.72		4.98		7.11		5.09		5.07		3.02		5.49		5.62		4.67	
L056	4A1	6.6		8.4		8.96		6.64		5		7.07		5.07		5.04		2.98		5.49		5.6		4.63	
L063	4A1	6.7		8.4		9		6.7										3.02		5.51		5.64		4.67	
L080	4A1	6.91	†	7.45	††	8.18		8.1	††	5.11		6.12		5.05		4.94		2.96		5.44		5.13	††	5.12	††
L084	4A1	6.57		7.92		8.43		6.9	††	4.93		6.7		5.13		5.06		3.08		5.44		5.55		4.74	
L091	4A1	6.69		8.33		8.77		6.63																	
L093	4A1																	2.8		5.2		5.4		6.3	††
L100	4A1	6.85		8.39		8.84		6.78		5.08		6.88		5.2		5.16		2.99		5.41		5.58		4.68	
L108	4A1																	3.03		5.46		5.56		4.65	
L126	4A1	6.6		8.4		9		6.5		4.95		6.76		5.06		4.96		3.04		5.37		5.48		4.52	
L132	4A1	6.57		8.2		8.73		6.62																	
L133	4A1	6.3	††	8.2		8.6		6.1	††	4	††	6.4		4.5	††	4.4	††	2.9		5.4		5.8	†	4.7	
L135	4A1	6.69		8.26		8.66		6.62		4.77		6.62		4.92		4.76		2.97		5.25		5.53		4.54	
L137	4A1	6.88		8.26		8.73		6.69										2.68	††	5.26		5.41		4.48	
L139	4A1	6.3	††	8.3		8.7		6.3	††	4.6	††	6.6		4.8	†	4.8		3.04		5.23		5.52		4.45	
L140	4A1	6.8		8.1		8.5		6.5		5.6	††	6.7		5.7	††	5.8	††	3		5.4		5.6		4.6	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Soil pH, 1:5 soil-water (4B1) air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L003	4B1																	2.83		4.68		5.09	†	4.06	††
L009	4B1	5.84		7.77		8.03		5.88		4.08		6.27		4.64		4.51		2.96		4.91		5.3		4.24	
L011	4B1	5.89		7.52		7.8		6.34																	
L014	4B1	6.08		7.67		7.49		6.15										2.64		4.62	††	4.98	††	4	††
L019	4B1	5.92		7.68		7.95		5.84										2.8		4.64	††	4.94	††	4.01	††
L028	4B1									4.2		6.2		4.7		4.6		3		4.9		5.3		4.3	
L029	4B1	6.2	††	8.1		8.1		6.2										2.85		4.93		5.29		4.32	
L040	4B1	5.94		7.77		8.13		5.86																	
L041	4B1	5.39	††	7.27		7.58		6.16		4.2		6.1		4.5		4.4									
L042	4B1	5.97		7.6		7.89		6.11		4.07		6.23		4.63		4.5		3.06		4.91		5.31		4.31	
L044	4B1	5.68	††	7.66		7.94		6.04		4.14		5.82	††	4.88		4.55		2.96		4.85		5.25		4.3	
L045	4B1	6		7.9		8.3		6		4.16		6.33		4.75		4.68									
L055	4B1	5.9				7.7		6.02		4.11		6.37		4.7		4.56		2.97		4.88		5.31		4.29	
L064	4B1	6.03		7.73		8.02		6.14		4.31	††	6.31		4.8		4.64		2.94		4.88		5.26		4.33	
L091	4B1	5.92		7.56		7.69		6.03										2.83		5		5.43	†	4.31	
L100	4B1	6		7.74		7.89		6.3		4.1		6.21		4.73		4.53		2.93		4.83		5.26		4.23	
L126	4B1	5.9		7.8		7.8		5.8		4.1		6.25		4.66		4.49		2.97		4.77		5.16		4.09	†
L133	4B1	6.4	††	7.5		7.8		6.7	††	3.7	††	3.9	††	4.3	††	4	††	2.8		5		5.8	††	4.7	††
L137	4B1	6.16		7.49		7.56		6.28										2.64		4.68		5.12	†	4.22	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Soil pH, 1:5 soil-0.01 M $CaCl_2$ - indirect (4B2) air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L003	4B2																	2.86		4.73		5.15	†	4.11	
L004	4B2	6.05		7.68		7.88		6.47	††	4.06		6.28		4.71		4.47		2.94		4.93		5.33		4.28	
L011	4B2									4.36	††	6.51		4.8		4.64		2.97		4.95		5.35		4.33	
L014	4B2	5.73	†	7.54	††	7.67		6.1	†									2.73	††	4.6	†	4.99	††	4.02	††
L018	4B2	5.89		7.78		8.15		5.88		4.04		6.26		4.64		4.47		2.91		4.87		5.28		4.26	
L019	4B2									4.23		6.19		4.87	††	4.56		2.86		4.67		5.11	†	4.1	
L022	4B2	5.9		7.72		8.05		5.82		4.14		6.3		4.68		4.54		2.94		4.85		5.25		4.25	
L023	4B2	5.9		7.8		8.1		5.9		4.1		6.33		4.7		4.56		3		5.5	††	5.6	††	4.6	††
L026	4B2	5.93		7.83		8.3		5.87		4.09		6.34		4.67		4.535		2.96		4.92		5.29		4.27	
L027	4B2	5.8		7.5	††	7.8		5.7	†	4.1		6.4		4.8		4.6		3		5.2	††	5.6	††	4.5	††
L030	4B2	5.95		7.76		8.19		5.91		4.14		6.27		4.73		4.57		2.98		4.92		5.31		4.26	
L032	4B2	5.84		7.79		8.11		5.85										2.87		4.81		5.23		4.19	
L036	4B2	5.89		7.79		8.14		5.88		4.11		6.35		4.71		4.56		2.9		4.89		5.3		4.28	
L040	4B2	5.94		7.81		8.16		5.87																	
L044	4B2	5.66	††	7.65	†	7.9		6.08	†	4.16		5.78	††	4.9	††	4.62		2.9		4.8		5.25		4.31	
L045	4B2																	3		4.87		5.29		4.29	
L046	4B2									4.23		6.31		4.79		4.64		2.86		4.87		5.27		4.22	
L055	4B2	5.93				7.8		6.1	†	4.12		6.37		4.72		4.56		2.97		4.91		5.31		4.28	
L056	4B2	6		7.84		8.26		6.04	†	4.11		6.4		4.71		4.52		2.94		4.83		5.3		4.28	
L063	4B2	6.1	†	8	††	8.3		6.3	††									2.95		4.75		5.23		4.16	
L084	4B2	6.04		7.76		8.04		6.31	††	4.1		6.16		4.74		4.54		3.03		4.95		5.33		4.4	
L126	4B2									4.06		6.21		4.74		4.52		2.97		4.76		5.17		4.12	
L132	4B2	5.87		7.71		8.04		5.86																	
L135	4B2									4.06		6.13		4.63		4.44		3.02		3.96	††	4.8	††	4.3	
L140	4B2	6.2	††	7.8		7.9		6		4.1		6.3		4.7		4.6		3		4.8		5.2		4.1	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Water soluble Cl - potentiometric (5A1) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	5A1	115	†	92.4		26.7		25.5																	
L004	5A1	96		85		43		32		10		7.1		57		3.5		815		85		42		25	
L009	5A1	238	††	158	††	108	††	119	††	18.6		14.4		20.4	††	18.1		88.8	††	19.7	††	29.8		20.2	
L011	5A1	96		68		33		29		23		11		80		16									
L013	5A1	92		53		24		24		8		0.5		66		2		728		68		21		16	
L018	5A1	90		70		20		30																	
L023	5A1	87		65		28		32		22		26		70		6.8		775		79		32		14	
L040	5A1	94.9		67.2		28.3		25.7																	
L044	5A1	99		63		28		25																	
L045	5A1	109		74		28		61	††	25.8		13.8		69		0.11		898	†	200	††	130	††	67	††
L055	5A1	100				29.6		21.7		20.3		8.04		77.6		7.82		837		86		20		12	
L063	5A1	121	††	112		57	††	48										746		92		46		25	
L064	5A1	98.9		85.7		44.4		30.2		24.5		15.6		77.3		13.2		716		99		53.7		27.4	
L080	5A1	95		108		57.5	††	46.3		27		31		105		16		880		96		59.8		56	††
L084	5A1									35		29		94		34									
L133	5A1																	739		158	††	30		28	
L135	5A1									35.5		35.5		106.5		35.5		4.612	††	1.651	††	1.622		0.451	
L137	5A1	66	††	49		16		33										726		4	††	4		4	
L140	5A1	55	††	18		7	†	50		19		10		90		10		660		87		44		18	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Water soluble Cl - autocolour (5A2) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L019	5A2	112		104		72	††	91	††	33.8	†	104	††	96.5		15.7		694		161	††	74.4	†	33.2	
L022	5A2	99		66		33		29		20		7.1		74		7.6		717		74		40		19	
L026	5A2	85		55		26		21		24		5.2		72		5.6		704		73		37		18	
L027	5A2	100		80		30		20		20.5		8.5		89.5		6		840		120	††	100	††	50	††
L028	5A2	90		66		42		32		48	††	19		77		21		764		75		47		28	
L030	5A2	95.8		68.8		31.4		28.5										621		77.2		36.5		17.5	
L032	5A2	99		79		33		27										738		87		42		21	
L040	5A2	95.4		66.8		28		25.4																	
L084	5A2	104		94		48		26										663		101		63		42	†
L126	5A2									30.9	†	13.3		73.9		13.4		697		83.4		45.4		24.7	
L132	5A2	112		81		35		33																	
L133	5A2									19		3.8		69		5									
L139	5A2	130	††	55		39		33		20		20		89		9		437	††	62		27		15	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Organic Carbon - W&B (6A1) % air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L002	6A1	1.74	††	2.89	††	3.81	††	4.68	††	1.22	††	0.506	††	0.37	††	2.22	††	4.66	††	6.97		7.25	†	3.8	
L003	6A1	0.948		1.143		0.4		0.662										3.61		6.12		6.01		3.7	
L004	6A1	1.01		1.1		0.398		0.578		3.7		1.2		1.1		3.2		3.51		5.57		3.14	††	5.56	††
L007	6A1	9.2	††	13.4	††	2.5	††	5.5	††	3.9		2.1	††	1.3	†	5.1	††	3.6		6.1		6.8		4.2	
L009	6A1									3.51		1.24		0.99		3.3		3.13		5.65		6.15		3.54	
L011	6A1	1		1.32		0.82	††	0.91	††	3.68		1.45		1.36	†	3.36		3.6		4.7		5.4		3.5	
L012	6A1	0.97		1.22		0.455		0.713																	
L013	6A1	0.8		1.5	†	0.5		0.6		4.3		1.5		1		4.1	†	3.7		7		6.6		3.9	
L014	6A1	3.39	††	3.73	††	3.97	††	3.59	††									4.35	††	4.94		5.45		3.93	
L018	6A1	0.88		1.09		0.31		0.54		3.72		1.3		0.983		3.31		3.17		5.28		5.32		3.12	
L022	6A1	0.88		1.29		0.37		0.61		3.43		1.39		0.97		3.33		3.4		5.33		5.47		3.39	
L023	6A1	0.93		1.2		0.41		0.59		3.3		1.4		0.98		3.2		3.4		5.3		5.9		3.1	
L024	6A1	2.12	††	1.64	††	1.13	††	0.855	†	4.91		2.61	††	2.75	††	3.52									
L026	6A1	0.815		1.13		0.301		0.534		3.36		1.3		0.845		3.39		3.06		5.15		5.46		3.03	
L028	6A1	0.9		1.08		0.34		0.52		3.2		1.42		0.9		3.39		2.76		5.46		5.37		3.14	
L030	6A1	0.976		1.56	†	0.435		0.862	†	4.15		1.66		1.19	†	3.65		3.3		5.99		5.57		3.62	
L035	6A1									4.22		1.28		1.25	†	3.52									
L040	6A1	0.92		1.14		0.38		0.6																	
L064	6A1	0.84		1.16		0.39		0.64		4.23		1.6		0.958		3.86		3.63		6.29		6.52		3.76	
L080	6A1	0.635		1.49	†	0.78	††	0.586		3.055		1.285		0.948		3.007		3.04		4.75		4.9		3.05	
L084	6A1	0.8		1.04		0.33		0.54		3.57		1.27		0.96		3.13		3.28		5.11		5.54		3.29	
L093	6A1																	3.3		3.6		3.7	††	2.2	
L108	6A1																	4.53	††	6.98		7.23	†	4.12	
L135	6A1	0.731		1.02		0.34		0.551		10.1	††	2.06	††	2.21	††	8.49	††	7.12	††	11.8	††	12.3	††	7.32	††
L137	6A1	0.887		1.11		0.343		0.619										3.22		5.38		5.95		3.37	
L300	6A1	0.714		1.137		0.334		0.509																	

Lab. Code #	Method Codes	Soil sample identification and values for Organic Carbon - Other (Pooled) % air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS 111		ASS 112		ASS 113		ASS 114		ASS 21		ASS 22		ASS 23		ASS 24		ASS 51		ASS 52		ASS 53		ASS 54	
L002	6A1	1.74	††	2.89	††	3.81	††	4.68	††	1.22	††	0.506	††	0.37	††	2.22	††	4.66	††	6.97		7.25		3.8	
L003	6A1	0.948		1.143		0.4		0.662										3.61		6.12		6.01		3.7	
L004	6A1	1.01		1.1		0.398		0.578		3.7		1.2		1.1		3.2		3.51		5.57		3.14	††	5.56	††
L007	6A1	9.2	††	13.4	††	2.5	††	5.5	††	3.9		2.1	††	1.3	†	5.1	††	3.6		6.1		6.8		4.2	
L009	6A1									3.51		1.24		0.99		3.3		3.13		5.65		6.15		3.54	
L011	6A1	1		1.32		0.82	††	0.91	††	3.68		1.45		1.36	†	3.36		3.6		4.7		5.4		3.5	
L012	6A1	0.97		1.22		0.455		0.713																	
L013	6A1	0.8		1.5	†	0.5		0.6		4.3		1.5		1		4.1	†	3.7		7		6.6		3.9	
L014	Other	3.39	††	3.73	††	3.97	††	3.59	††									4.35	†	4.94		5.45		3.93	
L018	6A1	0.88		1.09		0.31		0.54		3.72		1.3		0.983		3.31		3.17		5.28		5.32		3.12	
L019	Other									2.81		0.96		0.68	†	2.74									
L022	6A1	0.88		1.29		0.37		0.61		3.43		1.39		0.97		3.33		3.4		5.33		5.47		3.39	
L023	6A1	0.93		1.2		0.41		0.59		3.3		1.4		0.98		3.2		3.4		5.3		5.9		3.1	
L024	Other	2.12	††	1.64	†	1.13	††	0.855	††	4.91		2.61	††	2.75	††	3.52		4.63	††	13.5	††	7.43	†	3.68	
L026	6A1	0.815		1.13		0.301		0.534		3.36		1.3		0.845		3.39		3.06		5.15		5.46		3.03	
L028	6A1	0.9		1.08		0.34		0.52		3.2		1.42		0.9		3.39		2.76		5.46		5.37		3.14	
L030	6A1	0.976		1.56	†	0.435		0.862	††	4.15		1.66		1.19		3.65		3.3		5.99		5.57		3.62	
L035	6A1									4.22		1.28		1.25	†	3.52									
L040	6A1	0.92		1.14		0.38		0.6																	
L056	Other									3.02		1.28		0.806		3.04									
L064	6A1	0.84		1.16		0.39		0.64		4.23		1.6		0.958		3.86		3.63		6.29		6.52		3.76	
L080	6A1	0.635		1.49	†	0.78	††	0.586		3.06		1.28		0.948		3.01		3.04		4.75		4.9		3.05	
L084	6A1	0.8		1.04		0.33		0.54		3.57		1.27		0.96		3.13		3.28		5.11		5.54		3.29	
L093	6A1																	3.3		3.6		3.7	†	2.2	
L100	Other	0.898		1.24		0.4		0.585		2.84		1.3		0.96		3.3		2.99		5.33		5.48		3.15	
L108	6A1																	4.53	††	6.98		7.23		4.12	
L135	Other	0.731		1.02		0.34		0.551		10.1	††	2.25	††	2.21	††	8.49	††	7.12	††	11.8	††	12.3	††	7.32	††
L137	6A1	0.887		1.11		0.343		0.619										3.22		5.38		5.95		3.37	
L300	6A1	0.714		1.14		0.334		0.509																	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Total Organic C - HF Induction, IR (6B3) % air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	6B3	0.973		1.54		0.655		0.626																	
L009	6B3																	3.43		6.54		6.34		3.54	
L018	6B3	0.96		1.45		0.42		0.73		3.98		1.57		1.02		3.78									
L019	6B3	0.94		1.69		0.65		0.64		3.28		1.46		1.01		3.69		3.15		5.82	††	5.56		2.99	††
L027	6B3	0.75	††	1.15		0.3		0.04	††	3.75		1.4		0.76	††	2.78	††	3.09		5.91	††	5.28		2.81	††
L030	6B3	0.901		1.84		0.623		0.656		4.32		1.63		0.99		3.91		3.59		6.48		6.25		3.73	
L032	6B3	0.89		1.37		0.344		0.672										3.48		6.38		6.14		3.4	
L040	6B3	0.96		1.39		0.41		0.66																	
L042	6B3	0.94		1.42		0.38		0.63		3.87		1.46		0.92	†	3.72		3.57		6.75		6.25		3.55	
L046	6B3									4.28		1.59		1.01		3.78		3.42		6.47		5.88		3.47	
L063	6B3	0.976		1.86		0.658		0.672																	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Total Organic C - Heanes/HF Induction, Vol/HF Induction, IR/Other (Pooled) % air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	6B3	0.973		1.54		0.655		0.626																	
L009	6B3	0.904		1.12		0.15		0.536										3.43		6.54		6.34		3.54	
L018	6B3	0.96		1.45		0.42		0.73		3.98		1.57		1.02		3.78									
L019	6B3	0.94		1.69		0.65		0.64		3.28		1.46		1.01		3.69		3.15	†	5.82		5.56	†	2.99	††
L022	6B1	1.08		1.35		0.48		0.73		3.68		1.46		1.02		3.41	††	3.56		5.43	†	5.58		3.55	
L023	6B1	0.91		1.3		0.46		0.62		3.86		1.59		1.04		3.63		3.8		5.8		5.9		3.6	
L027	6B3	0.75	†	1.15		0.3		0.04	††	3.75		1.4		0.76	††	2.78	††	3.09	††	5.91		5.28	††	2.81	††
L028	Other									4.54		1.32		1.06		3.76		3.5		6.4		6.4		3.6	
L029	6B2	1.73	††	2.13		2.1	††	2.49	††									3.06	††	5.6		6.23		2.52	††
L030	6B3	0.901		1.84		0.623		0.656		4.32		1.63		0.99		3.91		3.59		6.48		6.25		3.73	
L032	6B3	0.89		1.37		0.344		0.672										3.48		6.38		6.14		3.4	
L035	6B1	1.3	††	1.04		0.42		0.51	†									3.19		5.27	††	6.16		3.09	†
L036	Other	1.17	††	1.79		0.711		0.713										3.54		6.61		6.19		3.52	
L040	6B3	0.96		1.39		0.49		0.72																	
L042	6B3	0.94		1.42		0.38		0.63		3.87		1.46		0.92	†	3.72		3.57		6.75		6.25		3.55	
L045	6B1	1.04		3.48	††	0.88		1.62	††	8.31	††	2.71	††	2.93	††	5.54	††	3.68		6.19		6.15		3.72	
L046	6B3									4.28		1.59		1.01		3.78		3.42		6.47		5.88		3.47	
L055	Other	0.774	†	0.599		0.29		0.59																	
L056	Other	0.818		1.26		0.344		0.55										3.6		5.51		5.16	††	3.15	†
L063	6B3	0.976		1.86		0.658		0.672																	
L097	Other	0.967		1.64		0.681		0.669		3.76		1.31		0.983		3.76		3.44		6.43		5.99		3.51	
L140	6B1									5	†	1.4		1		3.8		4	††	6.5		7	††	3.9	†

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Total N - Kjeldahl, steam distillation (7A1) % air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L002	7A1	0.168	††	0.112		0.084		0.093		0.22		0.13		0.116		0.34		0.21		0.406		0.546		0.28	
L003	7A1	0.06		0.059		0.039		0.046										0.213		0.42		0.532		0.325	
L007	7A1	2.5	††	0.9	††	2.1	††	1.7	††	0.3		0.2	††	0.2		0.5		0.2		0.4		0.6		0.3	
L014	7A1	0.07		0.07		0.05		0.05										0.123	††	0.225	††	0.285	††	0.171	†
L024	7A1	0.09		0.08		0.06		0.08		0.184		0.092		0.063		0.251		1.32	††	0.66	††	0.6		0.34	
L028	7A1									0.22		0.12		0.09		0.28									
L029	7A1	0.083		0.087		0.049		0.058										0.23		0.49		0.6		0.35	
L035	7A1	0.083		0.052		0.031		0.026		0.29		0.13		0.12		0.35		1.82	††	3.31	††	5.59	††	2.87	††
L040	7A1	0.07		0.089		0.034		0.043																	
L044	7A1	0.07		0.086		0.045		0.059										0.219		0.412		0.56		0.323	
L064	7A1	0.084		0.093		0.0667		0.064		0.204		0.144		0.057		0.332		0.22		0.48		0.5		0.35	
L084	7A1	0.0884		0.1		0.0476		0.0576																	
L093	7A1																	0.23		0.44		0.55		0.39	
L108	7A1																	1.82	††	2.46	††	3.55	††	2.47	††
L133	7A1	0.075		0.035		0.024		0.031																	
L137	7A1	0.093		0.082		0.044		0.065										0.218		0.396		0.538		0.32	
L140	7A1	0.079		0.106		0.051		0.062		0.283		0.137		0.103		0.393		0.23		0.435		0.582		0.381	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Total N - Kjeldahl, autocolour (7A2) % air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS 111		ASS 112		ASS 113		ASS 114		ASS 21		ASS 22		ASS 23		ASS 24		ASS 51		ASS 52		ASS 53		ASS 54	
L009	7A2	0.097		0.074		0.050		0.061		0.253		0.090		0.082		0.346									
L018	7A2	0.08		0.096		0.045		0.059		0.228		0.118		0.088		0.334		0.218		0.416		0.536		0.324	
L023	7A2	0.058		0.076		0.043		0.052		0.21		0.11		0.083		0.33									
L026	7A2	0.077		0.077		0.040		0.043		0.209		0.102		0.077		0.344		0.221		0.432		0.588		0.324	
L027	7A2	0.068		0.1		0.04		0.059		0.288		0.129		0.109		0.36		0.287	††	0.455		0.596		1.76	††
L028	7A2																	0.22		0.38		0.59		0.33	
L036	7A2									0.249		0.113		0.086		0.353		0.181	††	0.344		0.479	††	0.331	
L040	7A2	0.07		0.09		0.035		0.045																	
L055	7A2	0.068		0.095		0.045		0.054		0.208		0.114		0.076		0.299		0.222		0.417		0.54		0.305	
L084	7A2									0.225		0.12		0.084		0.314									
L126	7A2	0.096		0.108		0.053		0.074		0.163		0.113		0.074		0.266		0.222		0.463		0.581		0.344	

Lab. Code #	Method Codes	Soil sample identification and values for																											
		Total N (Dumas) % air dry																											
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*											
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS					
		111		112		113		114		21		22		23		24		51		52		53		54					
L001	Dumas	0.072		0.072		0.023		0.044																					
L009	Dumas																	0.233		0.444		0.573		0.343					
L011	Dumas	0.043		0.073		0.023		0.032		0.253		0.139		0.108		0.341		0.222		0.45		0.545		0.332					
L013	Dumas	0.07		0.1		0.04		0.05		0.27		0.11		0.09		0.36		0.25		0.5		0.62		0.37					
L019	Dumas	0.09		0.11		0.05		0.06		0.18	††	0.092		0.072		0.321		0.21		0.42		0.54		0.29					
L022	Dumas	0.082		0.099		0.044		0.054		0.238		0.127		0.085		0.317		0.21		0.425		0.58		0.344					
L023	Dumas	0.11		0.1		0.06		0.077		0.3		0.12		0.11		0.4		0.23		0.46		0.58		0.35					
L028	Dumas	0.082		0.11		0.051		0.065		0.25		0.1		0.08		0.33													
L030	Dumas	0.063		0.087		0.034		0.045		0.242		0.113		0.073		0.339		0.204		0.402		0.546		0.324					
L032	Dumas	0.071		0.1		0.042		0.056										0.22		0.441		0.562		0.319					
L036	Dumas	0.101		0.1		0.05		0.062										0.23		0.461		0.603		0.342					
L040	Dumas	0.07		0.09		0.034		0.043																					
L042	Dumas	0.07		0.09		0.03		0.05		0.21		0.11		0.07		0.3		0.21		0.44		0.55		0.32					
L045	Dumas	0.11		0.16	††	0.07		0.12	††	0.33	††	0.18	††	0.13		0.41		0.26		0.46		0.6		0.36					
L046	Dumas									0.26		0.132		0.094		0.36		0.196		0.417		0.521		0.3					
L055	Dumas	0.073				0.042		0.054																					
L063	Dumas	0.09		0.094		0.047		0.05																					
L091	Dumas																	0.25		0.4		0.5		0.32					
L097	Dumas	0.11		0.109		0.065		0.085		0.256		0.124		0.101		0.378		0.221		0.442		0.55		0.325					
L100	Dumas	0.078		0.11		0.049		0.065		0.24		0.125		0.099		0.34		0.223		0.419		0.54		0.317					
L132	Dumas	0.081		0.096		0.038		0.051																					

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Water Soluble Nitrate N - autocolour (7B1) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L004	7B1	12	††	33		7.7		16	††	0.584		3.2	††	56		23		0.889		7.5		0.977		47	
L011	7B1	20		40		15		34	†	0.9		13		61		24		0.8		14		0.5		125	
L026	7B1	22		55		11		28		0.948		16		140		52		0.963		17.6		2		152	
L027	7B1	23.4		83.2		6		37.2	††	0.025	†	0.025	††	119		2.9	†	0.1		0.1	††	0.1		69.4	
L028	7B1	21		67		12		29		1		17		153		56		0.5		13		1		156	
L040	7B1	23.2		60.8		11.6		30.6																	
L044	7B1									2.2	†	15		191		66									
L045	7B1	23		64.3		12.2		30.1		63.91	††	1108.99	††	9526.3	††	126.27	††	0.57		69.9	††	0.05		687.3	††
L055	7B1	19		52		9.8		26		1		15		142		53		0.1		16		1.8		156	
L064	7B1	23.7		60.9		7.89		29.6		7.49	††	17.4		94.5		55		1.2		13.3		2.1		150	
L080	7B1	20.35		57		9.65		28.73		1.41		15		126		47		2.49	††	15.98		3.5		137	
L132	7B1	21		53		11		28																	
L133	7B1			46		4.9	††	27																	
L135	7B1	14	†	352	††	269	††	11	††	1.2		5.11	††	60.32		24.02		4.5	††	15.5		9.1	††	67	
L139	7B1	28		33		13		30		1		14		182		45		0.7		13		1.1		119	
L140	7B1	24		58		12		47	††	1.4		16		160		250	††	0.5		2.3	††	3.3		94	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		KCL Extractable Nitrate N - autocolour (7C2) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	7C2	20.4		51		10.7		28.1																	
L011	7C2																	1.8		16		2.3		162	
L013	7C2	4.5	††	9.7	††	2.1	††	5.6	††	0.8		16		153.3		57.6		0.2		19.7	††	2.6	†	162	
L018	7C2	20		54		16		28		1.4		14		145		52		2.4		15		1.9		152	
L019	7C2	21.8		56.2		14.3		29.3		1		15.3		149		50.1		1.02		16.2		2.05		156	
L022	7C2	18.6		49.1		12.9		27.4		0.5		15.5		140		54		1		15.5		1.9		160	
L023	7C2	19		52		7.9		28		0.85		15		140		55		0.1		16		1.7		149	
L028	7C2	18		58		11		27		1		17		163		56		1		12	††	1	†	121	††
L030	7C2	18.3		43.3		8.93		23.6	††	0.76		14		138		51		0.66		16.4		1.89		157	
L032	7C2	21		53		11		29										0.82		18		2.1		180	††
L036	7C2	19.2		49.6		9.58		27.4		0.76		12.9		146		45		0.94		16		1.97		144	
L040	7C2	23		61		12		31	††																
L042	7C2	21		53		10.7		28.1		1.12		15.4		149		55.1		0.01		18.6	†	2.81	†	159	
L044	7C2	23		64	†	14		33	††									0.4		17		3	†	160	
L046	7C2									73.1	††	11.9		14.5	††	10.9	††	0.02		18.8	†	2.07		156	
L055	7C2	18		52		10		27		0.9		14		143		53		0.2		16		1.9		157	
L084	7C2	19.5		47.2		7.3		26.9		2.2	††	13.2		107	††	52.5		11.3	††	15.5		3.9	††	155	
L097	7C2	19		51		11		26		0.1	††	385	††	3576	††	1297	††	19	††	8.2	††	0.782	††	72	††
L126	7C2	22		49		10		26				15.2		153		59.4		1.5		15.5		1.63		135	†
L132	7C2	17		48		9.1		25																	
L137	7C2	31	††	53		13		27										14	††	15		0.7	††	140	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		KCL Extractable Ammonium N - autocolour (7C2) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	7C2	3.08		19.8		0.5	††	7.28																	
L011	7C2									66		9.7		10.7		6.9		145		17	††	50	†	8.1	†
L013	7C2	0.8	††	20.3		1.1	††	1.9	††	59.9		12.4		14.6		12.4		229		46.8		96.1		14.3	
L018	7C2	4.1		17		6.5		10		67		10		13		11		218		40		82		14	
L019	7C2	2.51		5.01	††	3.72		6.86		45.1	†	3.75	††	9.2		5.62	†	29.3	††	15.7	††	34.8	††	5.57	†
L022	7C2	2.5		16		5.4		9.3		60.2		11		13.6		10.1		229		37.1		78		13.2	
L023	7C2	3.4		20		6.3		11		59		11		14		10		214		40		83		11	
L026	7C2	3.5		15		6.1		9.7		65.2		10		13		10		200		36		78		13	
L028	7C2	6.3	††	22		8.8		14	†			13		15		11		238		41		95		15	
L030	7C2	3.03		14.5		4.92		8.3		64		10		13		9.9		152		38.2		84.5		16.8	
L032	7C2	4.1		17		6.8		10										245		41		87		14	
L036	7C2	3.87		16.8		5.42		8.74		52.6		8.56		10.8		10.1		191		43.3		87.1		16.2	
L042	7C2	21.6	††	20.1		8.6		13.3	†	75.7		13.2		16.1		13.2		238		51.3	†	94.8		20.9	†
L044	7C2	3.4		15		4		8.3		45	†	9.8		10		9.3		158		44		86		15	
L045	7C2	3.9		7.9	†	4.8		6.9		2.17	††	0.22	††	0.5	††	0.43	††	167		25.7	††	60.4		8.4	†
L046	7C2									1.39	††	15.6		153	††	55.7	††	228		42.1		95.2		14.4	
L055	7C2	3.6		18		6.6		10		68		11		14		10		218		38		84		14	
L084	7C2	2.2		14.2		5.6		9.1		66.5		11.2		14.2		12		206		36.9		80.9		14	
L097	7C2	3.1		17		5.6		10		1487	††	262	††	323	††	230	††	115	†	19	††	42	†	6.3	†
L108	7C2																	227		60.1	††	99.2		36.3	††
L126	7C2	3		15		5.4		8.5		59.6		9.98		11.5		7.05		180		32.2		68.4		11.2	
L132	7C2	3.5		19		6.4		10																	
L133	7C2			1.3	††	1.4	††	2	††																
L135	7C2									2.41	††	3.62	††	5.72	†	1.55	††	0.1	††	1.5	††	3	††	3.5	††
L137	7C2	9.8	††	18		7		15	††									194		39		90		17	
L140	7C2	18	††	29	††	17	††	18	††	70		14		16		12		240		41		71		15	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Total P - all methods (other) % air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L003	Other	0.008	††	0.032	††	0.031	††	0.022	††									0.038		0.192		0.323		0.087	
L009	Other	0.0238	††	0.0917		0.0542		0.0422		0.0341		0.0387		0.0213		0.0867		0.0268	††	0.306		0.341		0.0657	
L011	Other	0.0136		0.12		0.058		0.045		0.033		0.0384		0.0275		0.0878									
L013	Other	0.015		0.104		0.053		0.042		0.033		0.045		0.02		0.084		0.042		0.222		0.337		0.062	
L018	Other	0.013		0.099		0.047		0.039		0.032		0.044		0.021		0.083		0.038		0.263		0.297		0.067	
L019	Other																	0.047		0.236		0.334		0.056	
L022	Other	0.011		0.119		0.05		0.037		0.032		0.038		0.021		0.088		0.041		0.271		0.304		0.067	
L023	Other	0.012		0.079		0.052		0.04		0.031		0.04		0.02		0.089		0.033		0.23		0.275		0.055	
L026	Other	0.013		0.111		0.0544		0.0415		0.03		0.0422		0.0196		0.0814		0.0394		0.31		0.335		0.0641	
L027	Other	0.0115		0.115		0.051		0.0402		0.0384		0.0485		0.0225		0.0898		0.0413		0.247		0.288		0.311	††
L028	Other	0.02	††	0.12		0.07	††	0.05	†	0.043	††	0.056		0.029	††	0.094									
L030	Other	0.013		0.095		0.05		0.041																	
L032	Other	0.0123		0.117		0.0549		0.0412																	
L035	Other																	0.008	††	0.009	††	0.019	††	0.002	††
L036	Other									0.041	†	0.049		0.023		0.103	††	0.038		0.248		0.294		0.726	††
L040	Other	0.013		0.098		0.049		0.037																	
L044	Other	0.013		0.098		0.049		0.038		0.03		0.048		0.018		0.067	††								
L046	Other	0.0138		0.125		0.0571		0.0462		0.0348		0.0527		0.023		0.0855		0.0427		0.255		0.274		0.0707	
L055	Other	0.012		0.121		0.059		0.043		0.029		0.033		0.016		0.064	††	0.04		0.163		0.299		0.051	
L064	Other	0.0095		0.112		0.0526		0.0384		0.0508	††	0.0549		0.0436	††	0.0867		0.043		0.197		0.301		0.08	
L084	Other	0.0105		0.109		0.0507		0.0372		0.033		0.049		0.02		0.087									
L108	Other																	0.048		0.271		0.321		0.746	††
L126	Other	0.016		0.116		0.055		0.041		0.032		0.049		0.0192		0.0891		0.0521		0.2789		0.3116		0.0724	
L133	Other	0.0133		0.0245	††	0.041	††	0.0105	††																
L137	Other	0.014		0.121		0.054		0.043										0.046		0.298		0.326		0.072	
L140	Other	0.01		0.017	††	0.037	††	0.028	††	0.039		0.058		0.026		0.1	††	0.056	††	0.33		0.32		0.072	

Lab. Code #	Method Codes	Soil sample identification and values for																											
		Colwell Extractable P - manual (9B1) mg/kg air dry																											
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*											
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS					
		111		112		113		11 4		21		22		23		24		51		52		53		54					
L011	9B1	42		63		21		51		49		45		67		73		68	†	175		558		121	††				
L012	9B1	49		223	††	415	††	114	††																				
L019	9B1	20.1		43.2		17.6	†	44.5																					
L022	9B1	29.6		60.1		23.9		48		40.5		36.3		44.4		59		53.2		140		572		61.5					
L023	9B1									33		36		43		55		52		152		534		54					
L024	9B1									41		46		55		71		33	†	45		24	††	34					
L027	9B1	29		58		29	†	60	†	49		57		68		70		42		191		722		45					
L044	9B1	31		53		24		44		47		42		58		70		50		144		445		50					
L045	9B1	36		2	††	13	††	23	††																				
L064	9B1	32.5		51.2		22.6		48.6		35.9		34.2		48.1		57.5		53.6		139		483		62.2					
L080	9B1	36.3		48.5		23.6		59.2	†	34.5		26.6		36.3		35.2		32.9	†	94.5		210	†	47.2					
L084	9B1	29.8		57.4		24.1		48.8		44.2		38.5		49.8		56.8		51.6		142		360		56.2					
L100	9B1	29		57		23		47		41.4		42.3		55.8		62		50		133		526		58.2					
L108	9B1																	19.2	††	48.1		217	†	26.4					
L133	9B1	39.2		71.4		25.3		48		95	††	50		61		174	††	76	†	204		562		125	††				
L140	9B1	11		3.5	††	4.1	††	4.6	††																				

Lab. Code #	Method Codes	Soil sample identification and values for																											
		Colwell Extractable P - autocolour (9B2) mg/kg air dry																											
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*											
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS					
		111		112		113		114		21		22		23		24		51		52		53		54					
L004	9B2	30		59		28		54		54	††	43	†	57		68		66		169		380		71					
L018	9B2	24		51		24		45		34		35		42		45		48		145		556		49					
L019	9B2									33.1		31.5		44.2		53.9		51.3		169		680		60.8					
L023	9B2	26		57		25		46																					
L026	9B2	26		56		25		47		37		36		48		50		46		152		587		54					
L028	9B2	30		65		28		56		38		35		47		67		66		162		693		66					
L030	9B2	25.1		54.9		19.7	††	42.3		38.2		33.2		44.5		54.5		51.6		141		527		51.8					
L032	9B2	30		65		55	††	54										66		201		874		60					
L036	9B2	27.7		54.9		25		48.6		36.5		38.3		46.8		55.9		52.4		154		603		59.5					
L040	9B2	31		60		26		48																					
L044	9B2									29		17	††	24	††	31													
L126	9B2	34		58		25		48		33.9		35.5		50.9		57.5		50.6		145		582		52.9					
L132	9B2	28		56		23		45																					

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Olsen Extractable P - manual (9C1) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS 111		ASS 112		ASS 113		ASS 114		ASS 21		ASS 22		ASS 23		ASS 24		ASS 51		ASS 52		ASS 53		ASS 54	
L002	9C1	49	††	44	††	43	††	60	††	24		18		26		25		9.6		29		150		17	
L003	9C1	32	††	41	††	20	††	44	††																
L007	9C1	16		24		7		20		31		20		27		34		20		40		18		26	
L009	9C1	19.1		25.7		6.96		23.1		49.8		22		30.5		39.6		20		56.2		191		34.7	
L014	9C1	120	††	89	††	30	††	70	††									83	††	119	††	302		128	††
L022	9C1	16.4		22.8		7.5		22.2		19.3		13.7		21.5		21.4		18.6		44.2		188		24.6	
L024	9C1	28	†	39	†	12	††	34	†									23		60		168		39	
L027	9C1									13		20		27		13		11.8		56		134		27	
L044	9C1	14		20		6.7		19										13		33		136		18	
L045	9C1	15.8		24		7.2		21.6		19.8		14.4		21.6		19.8									
L063	9C1	15		22		6.8		20										22		41		137		24	
L135	9C1	6.9		8.2	†	4.2	††	9.8	†	9.71		6.1		15		8.55		3.98	††	7.0		23.7		5.1	
L137	9C1	14		21		6.8		19										22		61		284		35	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Olsen Extractable P - autocolour (9C2) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS 111		ASS 112		ASS 113		ASS 114		ASS 21		ASS 22		ASS 23		ASS 24		ASS 51		ASS 52		ASS 53		ASS 54	
L013	9C2	13		19.6		6.6		18.9		20		14		19.1		22.5		17		36.8		177.4		22.4	
L026	9C2	15		22		6.8		20		18	††	14		20		17		14		38		160		21	
L030	9C2	14.8		21.6		6.67		20.3		20		13.6		20.7		21.9		14.1		35.1		151		19.7	
L036	9C2	16.5		23.2		7.86		24.4		19.8		15.5		21.6		20.9		16.3		45	††	207		24.8	
L040	9C2	16.4		24.3		7.74		20																	
L042	9C2	10.6		16.1		4		14.1	††	17.3	††	12.1		16.9		17.2		17		36.3		168		21.2	
L126	9C2	16		22		8.5		24		19.6		13.9		22.4		22.5		13.6		37.2		170		20.8	
L132	9C2	16		23		6.8		21																	
L139	9C2	14		8	††	18	††	11	††	23	††	15		23		27		29		68	††	175		35	††

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Bray-1 Extractable P - manual (9E1) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L003	9E1																	52		80		569	††	56	††
L011	9E1	35		3.5		11		35		35		19		54		27		28		39		173		31	
L014	9E1	3.3		1.3		4.3		2.9										108	††	100	††	203		119	††
L019	9E1	34.9		4.42		47	††	30.4																	
L024	9E1									32		11		86		9.9		26		35		114		28	
L027	9E1	4		0.08		0.93		4		39		23		80		24		2		3		24		8	†
L029	9E1	26		6.3		6.4		26										11		17		40		27	
L045	9E1									28.7		2.2		57.4		0.01									
L056	9E1	25		3.2		9.1		23		30		14		42		18		16		23		112		31	
L063	9E1	26		2.8		12		23										14		28		70		26	
L064	9E1	32.7		2.88		5.51		30.6		20.5		13.3		39.6		19.6		17.6		17.7		61		28.6	
L093	9E1																	54		73		556	††	48	†
L137	9E1	54		27	††	206	††	68	††									44		31		311		44	†

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Bray-1 Extractable P - manual, autocolour (9E1, 9E2) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L003	9E1																	52	††	80	††	569	††	56	††
L011	9E1	35		3.5		11		35		35		19		54		27		28		39		173		31	
L014	9E1	3.3	††	1.3		4.3		2.9	††									108	††	100	††	203		119	††
L019	9E2	34.9		4.42		47	††	30.4		23.5		12.4		31.3		18		15.8		18.2		129		33.1	
L023	9E2	30		2.9		25	†	30		35		15		56		20		15		19		113		29	
L024	9E1									32		11		86		9.9	††	26		35		114		28	
L026	9E2	26		2.1		3		25		11		11		39		20		21		23		114		22	
L027	9E1	4	††	0.08	†	0.93		4	††	39		23	†	80		24		2	†	3		24		8	††
L029	9E1	26		6.3	††	6.4		26										11		17		40		27	
L030	9E2	30.1		3.71		9.38		30.61																	
L045	9E1									28.7		2.17	††	57.4		0.01	††								
L055	9E2	29.6		2.35		13.6		28.6										12		13.7		91.9		27.2	
L056	9E1	25		3.2		9.1		23		30		14		42		18		16		23		112		31	
L063	9E1	26		2.8		12		23										14		28		70		26	
L064	9E1	32.7		2.88		5.51		30.6		20.5		13.3		39.6		19.6		17.6		17.7		61		28.6	
L093	9E1																	54	††	73	††	556	††	48	††
L126	9E2	28		2.5		6.5		29		28.6		14		44.2		21.8		17		27.8		139		29.9	
L137	9E1	54	††	27	††	206	††	68	††									44	††	31		311	†	44	††

Lab. Code #	Method Codes	Soil sample identification and values for																											
		Phosphorus buffer index (9I2C, 9I3C, 9I4C) L/kg air dry																											
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*											
		ASS		ASS		ASS		ASS		ASS		ASS		ASS				ASS		ASS		ASS		ASS					
		111		112		113		114		21		22		23		24		51		52		53		54					
L022	913C	14.9		260		44.2		42.3	†	142		127		34.2		430		391		664		355	††	199					
L023	9I4C			260		36		30	††	170		150		39		610		459	††	984		581		206					
L026	9I4C	8.11		256		40		39		136		119		33		476		372		915		545		169					
L028	913C	7		267		40		39		23	††	23	††	8		65		392		1061		627		191					
L030	9I2C									140		142		60.7		472													
L032	9I4C	9.57		260		43.8		39.5																					
L036	9I4C	27.9		162	††	71.6	††	54.5	††	147		135		46.3		195		396		972		567		190					
L040	9I4C	3.37		265		39.3		36.4																					
L044	9I2C	8.9		257		46		38		156		121		52.9		492		399		957		525		174					
L064	913C	19.8		250		36.2		39		90.8	†	89.9		32.6		346		431	††	1080		568		187					

Lab. Code #	Method Codes	Soil sample identification and values for																											
		NOT ASSESSABLE								Phosphorus buffer index (912O, 913O, 914O) L/kg air dry								NOT ASSESSABLE											
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*											
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS					
		111		112		113		114		21		22		23		24		51		52		53		54					
L030	912O									152		149		69.6		494													
L040	9I4O	1.5	††	254		36.3		31.7																					
L044	912O	14		269		47		45		176		128		62.1		527		404		964		595		182					
L137	912O	14.1		258		43.5		44.1										416		1064		780		222					

Lab. Code #	Method Codes	Soil sample identification and values for																											
		Phosphate Extractable S (10B3) mg/kg air dry																											
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*											
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS					
		111		112		113		114		21		22		23		24		51		52		53		54					
L004	10B3	11		62		72		8.8		23		16		32		56		2406		113		552		48					
L011	10B3	10.4		63		79		8.7		22		16		31		57		2829		119		568		53					
L013	10B3	6	†	46		76		6		12		12		25		37		2178		87		465		34					
L019	10B3	9.5		45.5		88.5		10.5		11.9		11		24.8		26.2		853		50.2		171	††	17					
L024	10B3									20		43	††	63	††	14													
L026	10B3	9.73		58.8		80.5		8.02		19.3		15.1		30.2		49.8		2580		102		508		47					
L028	10B3	11		59		82		8		22		17		34		59													
L040	10B3	10.6		58.2		80.7		9.56																					
L044	10B3	44	††	52		67		15	††	0.4	††	0.49	††	18		0.4													
L084	10B3	13.2		26.2		81.4		5.8		17.2		10.9		28.3		23.5		921		104		608		55.7					
L135	10B3									18.7		11		36.8		67.7		2972		94		578		49.4					
L139	10B3	12		42		93		8		18		13		38		30		1259		39		270	†	27					

Lab. Code #	Method Codes	Soil sample identification and values for																											
		KCl 40 Extractable S (KCl40) mg/kg air dry																											
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*											
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS					
		111		112		113		114		21		22		23		24		51		52		53		54					
L011	KCl40	10.8		32		78		6.9		12		7.2		25		19		2060		43		414		26					
L018	KCl40	12		40		83		7.5		12		8.5		24		20		1910		38		370		24					
L022	KCl40	11.3		43.4		93.5		8.3		10.5		10.2		26		22.6		2025		31.1		355		21.8					
L023	KCl40	15		55		104		9.8		19	††	15		32	††	33	††	2480		58		506		40					
L026	KCl40	10.87		41.7		87.9		6.96		11.2		8.18		24.4		19.3		2006		40		410		24					
L030	KCl40	11.8		44.2		85.6		6.15		12.6		9.79		25.2		18.8		2280		41.8		436		27.5					
L032	KCl40	12		36		79		7.2										2630		41		414		27					
L036	KCl40	23	††	75.9	††	124	††	13		11.3		9.41		25.4		19		1830		51.1		465		33.1					
L040	KCl40	9.42		47.8		81.4		8.62																					
L064	KCl40	16.1	†	38.4		72.8		9.52		6.5	††	8.2		23.8		10.9	†	1880		48.5		193		20.5					
L126	KCl40									13		15		27		25	†	2100		63		480		33					
L133	KCl40	12.4		60.6		76.9		14.7		15		38	††	27		27	†	877	††	46		320		21					

Lab. Code #	Method Codes	Soil sample identification and values for DTPA Extractable Fe (12A1) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L002	12A1	41		35		2.5		43		368	††	27		85	††	236	††	310		170	††	352		359	††
L003	12A1	30		40		2.6		59										503	††	133		406		314	†
L004	12A1	62	††	49		2.8		36		180		23		86	††	122		262		75		213		192	
L007	12A1	13		5.9	††	7.7	††	0.3	††	64.3	††	0.88	††	14.2	†	42	††	89.6	††	18.6		49.3	††	50.8	††
L009	12A1	68.9	††	165	††	2.83		72.2	†	424	††	74.7	††	130	††	285	††	406		138		276		229	
L011	12A1	46		57		2.1		50		276	††	38		114	††	177	††	328		110		280		238	
L013	12A1	32.5		47.2		0.05	†	42.5		196		29.5		27.4		112		269		69.6		236		184	
L014	12A1	77	††	95	††	10	††	192	††									333		99		301		214	
L018	12A1	28		58		1.87		48		185		33		37		109		315		73		236		174	
L019	12A1	30.3		51.3		1.1		44.2		200		31.1		44.8		115		267		67.4		184		140	
L022	12A1	26.6		88	††	6.1	††	51.4		181		36.4		44.3		116		535	††	118		305		224	
L023	12A1	36		49		4.5	†	49		176		35		46		109		322		93		288		215	
L024	12A1	40		77		3.3		68		210		41		38		115		301		116		353		327	††
L026	12A1	39.4		56.9		1.71		43.4		190		32.2		56		111		313		76		247		187	
L027	12A1	36.3		51		2.5		81.6	††	214		49.5		60.5		138		222		52.5		162		110	
L028	12A1	29		74		1.7		52		191		36.6		43.9		116		340		85		287		207	
L029	12A1	52		32		2.6		118	††																
L030	12A1	29		44.5		1.27		42.5																	
L032	12A1	21		53		1.8		45										317		65		231		179	
L036	12A1	18.0		44.8		2.8		50.7		183		36.8		28.9		104		350		70.9		258		187	
L040	12A1	19.9		52.8		2.04		46.9																	
L041	12A1	19.2		66.2		4.82	†	49.7		166		28		29.4		92.2		253		52.7		204		154	
L044	12A1	22		45		1.5		37		180		34		46		121		330		79		150		128	
L045	12A1	49		82	††	3		79	††	350	††	63.8	††	36.5		1.47	††	332		139		454	††	335	††
L055	12A1	24.1		23.3	†	4.19	†	57.5		339	††	26.9		46.4		207	††	361		75.6		263		191	
L063	12A1	29		68		1.8		57										370		80		310		206	
L080	12A1	33.1		58.1		2.16		46.3		184		29		64		104		366		125		352		292	
L084	12A1	33.5		61.8		1.63		45.2		207		32.3		43.5		95.9		288		64		214		164	
L091	12A1	19.5		44.4		0.55		52.42										91.3	††	18		75.9	††	59.25	†
L093	12A1																	342		92		302		222	
L100	12A1									183		35.1		39.7		103		257		58.4		259		182	
L126	12A1									230	†	29		55		120		1100	††	310	††	700	††	490	††
L133	12A1	21.2		49		1.72		50.4		206		43		37		131		372		78		266		180	
L135	12A1	23		44		2.6		50										283		132		330		11.6	††
L139	12A1	26		58		9	††	67		98	††	39		52		65	††	211		55		111		93	

Lab. Code #	Method Codes	Soil sample identification and values for DTPA Extractable Cu (12A1) mg/kg air dry																							
		November 2006 (Round 206)								February 2007 (Round 406)								May 2007 (Round 606)							
		ASS 111		ASS 112		ASS 113		ASS 114		ASS 21		ASS 22		ASS 23		ASS 24		ASS 51		ASS 52		ASS 53		ASS 54	
L002	12A1	1.2		3.4		1.5		1.4		0.37		2.6		0.578		0.707		0.17		6.3		4.3		0.737	
L003	12A1	1.9	†	3.6		1.5		1.5										0.38	††	6.9	†	4.4		0.67	
L004	12A1	1.2		2.7		1.2		1.1		0.33		1.9		0.41		0.40		0.08		3.8		3		0.39	
L007	12A1	2.8	††	1.1	††	2.8	††	1.1		0.67	††	1.42	††	1.08	††	1.28	††	0.14		2.19		0.52	††	0.03	
L009	12A1	2.79	††	4.36	††	2.81	††	2.44	††	0.95	††	3.22	††	1.13	††	1.19	††	0.90	††	6.17		4		0.79	
L011	12A1	1.3		2.9		1.2		1.2		0.33		2		0.54		0.57		0.1		4		3.5		0.43	
L013	12A1	1.18		2.76		1.22		1.24		0.44		2.08		0.66		0.56		0.4	††	3.84		3.24		0.66	
L014	12A1	1.6		3.5		1.7		1.2										0.15		6.4	†	3.5		0.63	
L018	12A1	1.28		3.34		1.46		5.34	††	0.25		2.3		0.53		0.49		0.12		3.9		3.3		0.4	
L019	12A1	1.47		3.02		1.34		1.27		0.30		2.21		0.50		0.5		0.1		3.35		2.52		0.38	
L022	12A1	1.12		3.11		1.33		1.23		0.37		2.27		0.58		0.62		0.32	†	5.95		3.99		0.46	
L023	12A1	1.4		3		1.6		1.4		0.29		2.3		0.56		0.47		0.10		4.8		4		0.50	
L024	12A1	1.8	†	3.6		1.8		1.6		0.42		2.5		0.74		0.55		0.01		5.9		3.9		0.66	
L026	12A1	1.18		2.95		1.27		1.21		0.29		2.07		0.51		0.45		0.12		4.14		3.45		0.47	
L027	12A1	1.64		4.37	††	1.98		1.72		0.24		2.69		0.73		0.36		0.04		2.37		0.57	††	0.22	
L028	12A1	1.4		4.3	††	1.8		1.5		0.3		2.6		0.6		0.6		0.2		4.6		3.8		0.5	
L029	12A1	2.8	††	3.1		1.7		1.9	††																
L030	12A1	1.14		2.85		1.32		1.17																	
L032	12A1	1.3		3.1		1.4		1.2										0.15		3.9		3.5		0.43	
L036	12A1	1.2		2.89		1.52		1.29		0.32		2.24		0.53		0.49		0.17		4.2		3.34		0.46	
L040	12A1	1.2		2.83		1.33		1.23																	
L041	12A1	1.52		3.93	†	1.55		1.57		0.64	†	2.14		0.72		0.7		0.35	†	3.7		3.09		0.62	
L044	12A1	1		2.4		1.1		1		0.17		1.9		0.36		0.32		0.41	††	6.1		3.9		0.2	
L045	12A1	3.4	††	4.2	††	2.4	††	2.6	††	1.53	††	4.58	††	2.1	††	0.01	††	0.64	††	7.75	††	5.47	††	1.02	††
L055	12A1	1.37		2.97		1.62		1.35		0.63	†	2.33		0.69		0.84		0.07		4.29		2.99		0.58	
L063	12A1	1.7		3.7		1.7		1.5										0.05		4.7		3.8		0.6	
L080	12A1	1.23		2.88		1.34		1.2		0.02	†	1.92		0.42		0.36		0.16		3.98		3.24		0.35	
L084	12A1	1.35		3.09		1.45		1.3		0.25		2.05		0.48		0.45		0.17		3.82		2.9		0.33	
L091	12A1	1.3		3.1		1.09		0.89										0.07		1.94	†	1.37	††	0.2	
L093	12A1																	0.09		5.4		3.5		0.3	
L100	12A1									0.28		2.24		0.52		0.46		0.13		4.21		3.43		0.45	
L126	12A1									0.44		2.3		0.77		0.59		1.7	††	11	††	5.9	††	0.66	
L133	12A1	1.42		3.02		1.58		1.31		0.35		2.4		0.56		0.53		0.1		4.5		3.5		0.45	
L135	12A1	1.7		3.1		1.6		1.4										0.21		5.59		4.14		11.4	††
L139	12A1	1.2		1.9	††	1.3		0.9		0.4		2.0		0.9	†	0.4		0.3	†	2.7		1.5	††	0.5	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		DTPA Extractable Mn (12A1) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS 111		ASS 112		ASS 113		ASS 114		ASS 21		ASS 22		ASS 23		ASS 24		ASS 51		ASS 52		ASS 53		ASS 54	
L002	12A1	9.4	††	35		31		39	††	44		209	††	11		45	††	20		263		83	†	137	
L003	12A1	10	††	41		30		79																	
L004	12A1	6.4		26		44		66		43		118		9.3		24		15		153		62		103	
L007	12A1	46	††	123	††	53		49	††	21.9	††	117		8.87		24		18.8		48.9	††	8.84	††	33.5	††
L009	12A1	6.24		40.5		54.9		83.4	†	46.3		168		11.1		32		16.9		221		68.7		106	
L011	12A1	6.2		31		49		70		43		140		10.3		27		17		186		72		124	
L013	12A1	6.2		27.4		27.2		67		42.4		128		11.4		25		16.4		186		65.6		117	
L014	12A1	15	††	51		32		77										17		161		44	†	118	
L018	12A1	6.3		40		50		75		40		153		10		30		20		171		71		122	
L019	12A1	6.09		40.5		48.8		70.6		458	††	141		10.4		25.5		14.2		142		45.9	†	80.6	††
L022	12A1	5.1	†	31.5		41.6		65.2		37.6	†	142		9.8		26.3		17.2		286	†	70		114	
L023	12A1	6.4		30		47		68		44		141		10.6		27		18		189		73		129	
L024	12A1	9.2	††	42		33		76		29	††	137		13	††	29		16		183		60		124	
L026	12A1	5.97		34		29		74		43.1		143		10.5		24.9		18		183		69		122	
L027	12A1	6.64		75.7	††	59.6		83.4	†	19	††	282	††	11.8		24.9		8.27	††	53.3	††	7.05	††	37.5	††
L028	12A1	6.3		55		55		75		42.6		169		10.4		23.6		21	†	216		77		123	
L029	12A1	13	††	86	††	46		167	††																
L030	12A1	5.8		32.1		44.9		73.8																	
L032	12A1	6.3		35		47		72										16		187		65		116	
L036	12A1	6.18		38.6		49.7		73.4		42.9		152		10.2		26		17.5		182		65.2		123	
L040	12A1	6.13		29.9		44.5		70																	
L041	12A1	6.31		39		27.9		68.5				136		9.7		24.3		16.8		201		65.6		105	
L044	12A1	6.6		30		47		73		47		153		11		29		16		290	†	64		119	
L045	12A1	14	††	98	††	81	††	164	††	49.2	†	498	††	12.2	†	0.36	††	13.5		382	††	92.1	††	180	††
L055	12A1	7.2	†	43.5		53.3		71.4		43		148		9.91		30.1		18.6		132		44.5	†	97	†
L063	12A1	8.8	††	51		68		97	††									18		192		75		132	
L080	12A1	6.42		33.7		48.4		71.0		36	†	128		9.7		23		16.3		190		65.3		110	
L084	12A1	7.3	†	46		45.9		73		35.3	†	145		10.3		26.7		16.8		216		67		115	
L091	12A1	6.61		55.2		28.7		57.0	††									26.3	††	295	††	72.8		133	
L093	12A1																	16		178		59		125	
L100	12A1									39.2		152		10.3		26.1		15.6		202		70.7		125	
L126	12A1									44		180		9.9		29		19		350	††	76		130	
L133	12A1	6.84		41.4		65.2		74.4		40		156		10		29		15		292	†	64		116	
L135	12A1	8.7	††	38		49		75										17.1		211		70.5		17.2	††
L139	12A1	3.1	††	22		38		36	††	12	††	98	††	6.0	††	13	††	4	††	86	†	16	††	34	††

Lab. Code #	Method Codes	Soil sample identification and values for DTPA Extractable Zn (12A1) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS 111		ASS 112		ASS 113		ASS 114		ASS 21		ASS 22		ASS 23		ASS 24		ASS 51		ASS 52		ASS 53		ASS 54	
L002	12A1	3.5		3		0.85	††	1.4	††	2.2		0.83		1.1		2.6	††	14		16	††	22		3.1	
L003	12A1	3.5		2.5		0.54		1.1																	
L004	12A1	2.5		1.8		0.40		0.76	†	1.6		0.37		0.7		1.2		9.6		8.1		13		1.9	
L007	12A1	1.3	††	3		2.3	††	0.5	††	1.63		0.60		0.83		1.34		13.4		5.54	†	5.88	††	1.85	
L009	12A1	3.06		2.33		0.72		1.09		1.81		0.86		1.09		1.88		9.61		13.7	†	18.6		2.73	
L011	12A1	3		2		0.53		1		2.6		0.72		1.4		2.7	††	11		10		16		2.7	
L013	12A1	2.78		1.84		0.46		0.98		1.92		0.56		0.92		1.52		10.2		9.3		15.4		2.32	
L014	12A1	0.8	††	2		1.1	††	3	††									9.9		9.2		11		2.6	
L018	12A1	2.88		2.32		0.56		1.08		1.66		0.7		0.91		1.55		12		9.7		16		2.3	
L019	12A1	2.84		1.9		0.4		0.94		2.01		0.6		0.90		1.72		9.0		7.45		10.8		1.84	
L022	12A1	2.76		2.2		0.57		1.02		1.55		0.67		0.83		1.45		10.7		14.7	††	19.6		2.45	
L023	12A1	3.1		2		0.65		1.1		1.9		0.64		1.3		1.6		13		12		18		2.7	
L024	12A1	3.1		2.2		0.61		1.1		2.1		0.81		1.3		1.9		11		12		17		2.7	
L026	12A1	2.93		2.23		0.52		1.03		1.84		0.59		0.94		1.53		12		9.72		16		2.29	
L027	12A1	3.11		2.41		0.58		1.15		2.01		0.72		1.15		1.31		6.0	††	4.15	††	3.74	††	1.09	††
L028	12A1	3.1		3.1	†	0.6		1.2		1.8		0.8		0.9		1.6		13		11		18		2.4	
L029	12A1	12	††	3.7	††	1.2	††	2.1	††																
L030	12A1	3.19		2.24		0.54		1.03																	
L032	12A1	3.8	††	2.6		0.70		3.4	††									12		9.1		16		2.2	
L036	12A1	2.78		2.32		0.60		1.08		1.81		0.69		1.09		1.54		11.9		10.1		16		2.39	
L040	12A1	2.82		2.15		0.50		1.01																	
L041	12A1	2.86		2.68		0.52		1.03		2.05		0.8		1.07		1.67		11.0		8.77		15.8		2.09	
L044	12A1	2.6		1.9		0.46		0.91		2.1		0.69		1.1		1.8		10		14	†	19		2.5	
L045	12A1	4.4	††	4.1	††	1.4	††	2.1	††	2.75	††	1.44	††	1.44		0.02	††	9.22		16.0	††	22.4		3.27	
L055	12A1	2.9		1.82		0.57		0.98		1.82		0.62		1.02		2.42	††	12.7		9.67		13.4		2.38	
L063	12A1	3.9	††	2.9		0.7		1.1										12		11		18		2.7	
L080	12A1	2.98		2.14		0.61		1.06		1.36		0.5		0.74		1.26		11.3		9.86		16.4		2.54	
L084	12A1	2.9		2.37		0.56		1.04		1.53		0.56		1.03		1.43		10.8		9.2		15		1.8	
L091	12A1	2.91		2.17		0.5		0.8										0.93	††	1.66	††	2.55	††	0.77	††
L093	12A1																	11		10.5		15		2.3	
L100	12A1									1.51		0.72		0.95		1.43		12.2		10.1		17		2.39	
L126	12A1									1.3		0.51		0.66		1.4		12		18	††	21		2.7	
L133	12A1	3.12		1.98		0.57		0.94		2.8	††	0.65		1.1		2.4	††	9.6		9		14		2.6	
L135	12A1	3.3		2.3		0.59		1.2										11.4		11.6		17.2		2.92	
L139	12A1	2.5		2		1	††	1.5	††	1.3		0.7		1.3		1		5.6	††	5.6	†	7.9	††	1.4	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Hot CaCl2 Extractable B – manual colour (12C1) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS			
		111		112		113		114		21		22		23		24		51		52		53		54	
L007	12C1	62	††	36	††	15	††	1.3	††	2		2.6		2.9		2.1		11.9	††	3.5		5.2	††	2.4	
L013	12C1	1.6		2.2		1.8		0.5		0.3		1.1		1.4		0.55		6.2		1.8		2.3		0.6	
L014	12C1	0.44		0.34		0.28	††	0.21										6.2		0.98		2.41		1.38	
L041	12C1	2.25		2.56		1.81		0.67		1.27		1.23		1.64		1.09		5.24		1.78		2.5		1.09	
L064	12C1	1.07		1.34		1.26		0.42		2.32		1.01		2.21		1.64		5.35		2.39		1.88		2.42	
L080	12C1	1.24		2.97		2.53	†	0.33		1.17		0.64		0.69		0.06		4.46		1.71		2.24		1.55	
L084	12C1	1.85		3.2		1.81		0.38		0.18		0.73		0.81		0.33		13	††	1.37		1.59		0.35	
L133	12C1	1.88		1.16		1.53		0.77		0.58		1.5		1.3		0.86		5.6		2.4		3		0.83	
L135	12C1	1.1		1.5		1.7		0.34																	

Code #	Method Codes	Soil sample identification and values for																							
		Hot CaCl2 Extractable B - ICPAES (12C2) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L004	12C2	1.8		1.6		1.9		0.86	†	1.4	††	1.5		1.7		0.99		2.7		1.1		1.3		0.85	†
L009	12C2	2.43		2.81		1.83		0.69		0.23		0.58		0.88		0.23		3.29		1.04		1.44		0.32	
L011	12C2	1.8		2.7		1.8		0.58		0.55		1.6		1.5		0.76		4.9		1.9		2.2		0.88	†
L018	12C2									0.25		0.57		1.1		0.39		3.2		0.66		1.1		0.14	†
L019	12C2	1.94		1.26		1.62		0.49		0.54		1.15		1.25		0.63		5.22		1.87		2.23		0.46	
L022	12C2	1.98		3.42		2.35		0.37		0.37		0.92		1.19		0.63		3.52		1.67		2.1		0.47	
L023	12C2	1.9		1.3		1.8		0.56		0.29		0.86		1.5		0.52		7.6		2.2		2.8		0.61	
L024	12C2									0.47		0.78		1.09		0.44		3.4		7.3	††	1.3		1.2	††
L026	12C2	1.55		2.15		1.91		0.51		0.28		1.02		1.14		0.52		3.6		1.75		2.21		0.50	
L028	12C2	1.71		2.4		2		0.47		0.3		1.2		1.2		0.7		4.4		2		2.4		0.6	
L030	12C2	1.87		2.2		2.29		0.62		0.35		1.18		1.43		0.56		4.89		1.65		2.23		0.53	
L032	12C2	2.2		3.2		2.3		0.89	††																
L036	12C2	1.45		3.22		2.39		0.53		0.21		0.89		1.08		0.41		6.23		1.64		2.1		0.50	
L040	12C2	1.56		1.41		1.75		0.46																	
L055	12C2	1.34		1.8		1.82		0.41		0.22		1.08		0.57		0.25		0.73		0.65		0.87		0.15	†
L084	12C2	1.52		2.63		1.58		0.49																	
L100	12C2	2.4		2.3		2.5		1	††	1.17	††	1.67		1.83		0.95		9.94	††	2.67		3.12		1.72	††
L126	12C2									0.27		1.6		1.2		0.63		4.5		2.4		3.4		0.52	
L135	12C2																	2.0		1.84		1.91		0.57	
L139	12C2	1.3		2.8		2.7		0.3		0.1		0.9		0.6		0.1		0.01		0.6		0.6		0.1	††

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Hot CaCl2 Extractable B - manual colour/ICPAES (Pooled) mg/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L004	12C2	1.8		1.6		1.9		0.86		1.4	††	1.5		1.7		0.99		2.7		1.1		1.3		0.85	
L007	12C1	62	††	36	††	15	††	1.3	††	2	††	2.6	††	2.9	††	2.1	††	11.9	††	3.5	††	5.2	††	2.4	††
L009	12C2	2.43		2.81		1.83		0.69		0.23		0.58		0.88		0.23		3.29		1.04		1.44		0.32	
L011	12C2	1.8		2.7		1.8		0.58		0.55		1.6		1.5		0.76		4.9		1.9		2.2		0.88	
L013	12C1	1.6		2.2		1.8		0.5		0.3		1.1		1.4		0.55		6.2		1.8		2.3		0.6	
L014	12C1	0.44	††	0.34		0.284	††	0.21										6.2		0.98		2.41		1.38	
L018	12C2									0.25		0.57		1.1		0.39		3.2		0.66		1.1		0.14	
L019	12C2	1.94		1.26		1.62		0.49		0.54		1.15		1.25		0.63		5.22		1.87		2.23		0.46	
L022	12C2	1.98		3.42		2.35		0.37		0.37		0.92		1.19		0.63		3.52		1.67		2.1		0.47	
L023	12C2	1.9		1.3		1.8		0.56		0.29		0.86		1.5		0.52		7.6		2.2		2.8		0.61	
L024	12C2									0.47		0.78		1.09		0.44		3.4		7.3	††	1.3		1.2	
L026	12C2	1.55		2.15		1.91		0.51		0.28		1.02		1.14		0.52		3.6		1.75		2.21		0.50	
L028	12C2	1.71		2.4		2		0.47		0.3		1.2		1.2		0.7		4.4		2		2.4		0.6	
L030	12C2	1.87		2.2		2.29		0.62		0.35		1.18		1.43		0.56		4.89		1.65		2.23		0.53	
L032	12C2	2.2		3.2		2.3		0.89																	
L036	12C2	1.45		3.22		2.39		0.53		0.21		0.88		1.08		0.412		6.23		1.64		2.1		0.50	
L040	12C2	1.56		1.41		1.75		0.46																	
L041	12C1	2.25		2.56		1.81		0.67		1.27	††	1.23		1.64		1.09		5.24		1.78		2.5		1.09	
L055	12C2	1.34		1.8		1.82		0.41		0.22		1.08		0.57		0.25		0.73		0.65		0.87	††	0.15	
L064	12C1	1.07		1.34		1.26		0.42		2.32	††	1.01		2.21		1.64	††	5.35		2.39		1.88		2.42	††
L080	12C1	1.24		2.97		2.53	†	0.33		1.17	††	0.64		0.69		0.06		4.46		1.71		2.24		1.55	†
L084	12C2	1.85		3.2		1.81		0.49		0.18		0.73		0.81		0.33		13	††	1.37		1.59		0.35	
L100	12C2	2.4		2.3		2.5	†	1	††	1.17	††	1.67		1.83		0.95		9.94	†	2.67		3.12		1.72	††
L126	12C2									0.27		1.6		1.2		0.63		4.5		2.4		3.4		0.52	
L133	12C1	1.88		1.16		1.53		0.77		0.58		1.5		1.3		0.86		5.6		2.4		3		0.83	
L135	12C2	1.1		1.5		1.7		0.34										2.00		1.84		1.91		0.57	
L139	12C2	1.3		2.8		2.7	††	0.3		0.1		0.9		0.6		0.1		0.01	†	0.6		0.6	††	0.1	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable Ca - 1M NH4Cl extract (15A1) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	15A1	1.78		34.7		25.5		8.77	††																
L007	15A1	1.9		42		41	††	5.8		1.78		19.3		2.79		4.96		1.61		6.56	††	14.6		3.08	
L011	15A1	2.02		44.1		26.9		7.54		1.82		32.8	††	3		4.88		2.19		11.2		20.3		5.13	
L014	15A1	7.7	††	25		17		5.1										2.04		8.79		17.8		4.74	
L017	15A1			38.2		22.3																			
L018	15A1									1.38		18.4		2.3		3.53									
L022	15A1	1.9		33.4		16.1		6.53		1.71		21		2.61		4.48		1.92		10.4		22.5		4.38	
L023	15A1	1.7		38		21		6.5		1.6		21		2.6		4.6		2		9.7		19		4.5	
L024	15A1	2.07		38.8		24.2		7.16		1.4		30.8	††	2.98		6.04		1.92		11.9		25.1	†	5.73	
L027	15A1	2.3		40.9		25.5		14.6	††	1.6		20		2.6		4.3		1.8		8.7		16.7		4	
L028	15A1	2.6	†	43		28		7.1		1.29		20.9		3.39		3.99		2.09		8.98		18.7		4.31	
L029	15A1	2.3		39		15		6.9																	
L032	15A1	1.79		41.9		24.2		6.3										1.85		9.39		17.6		4.1	
L035	15A1									1.12		22		1.7		3.37		2.8	††	9.94		19.4		5.34	
L036	15A1	1.83		44.2		27.1		7.45		1.6		21.6		2.32		4.8		2.24		10.4		19.4		4.36	
L044	15A1	1.98		41.4		25.4		7.02		2.02		21.3		2.94		5.34		1.94		10		19.6		4.79	
L045	15A1	1.76		0.45	††	0.3	††	0.28	††	1.7		19.8		2.62		3.61		0.41	††	9.53		14.3		3.77	
L063	15A1	1.6		39		24		6.1										1.8		9		17		4.3	
L064	15A1	2.31		44.7		36.1		6.38		1.44		19.9		2.3		3.62		1.44		9.8		17.6		4.75	
L091	15A1																	1.45		1669	††	3067	††	691	††
L132	15A1	1.82		32.7		13.4		6.48																	
L133	15A1	1.66		27		14.4		6.65		1.3		25		2.5		3.8		1.7		7.4		16		3.4	
L135	15A1	2.2		28		20		6.3																	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable Mg - 1M NH4Cl extract (15A1) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	15A1	0.645		24.1	†	2.2		2.6																	
L007	15A1	0.66		2.5	††	0.28	††	0.94	††	0.75	††	8.0	††	0.38	†	0.68		3.12		1.72		2.81		1.09	††
L011	15A1	0.975	††	33.7		2.67	†	2.85		1.44		13.2		0.88		1.01		4.31		2.41		3.94		1.75	
L014	15A1	0.4	††	13	††	1.2	†	2.2										3.97		2.97	††	4.88	††	1.73	
L017	15A1			30.6		2.24																			
L018	15A1									1.11		10.7		0.69		0.72									
L022	15A1	0.741		30.1		2.16		2.49		1.13		12.1		0.73		0.85		3.81		2.08		3.49		1.48	
L023	15A1	0.71		30		2.2		2.5		1.2		13		0.73		0.88		4		2.1		3.6		1.5	
L024	15A1	0.907	†	33.0		2.42		2.82		1.26		15.5	††	0.89		1.3	††	3.76		2.78	†	5.09	††	2.1	††
L027	15A1	0.3	††	31.1		3.6	††	8.9	††	1.2		11.8		0.7		0.8		3.7		2		3.4		1.5	
L028	15A1	0.75		32		3.1	†	2.4		1.14		12.1		1.14	††	0.84		4		2.06		3.66		1.49	
L029	15A1	1.8	††	29		2.5		3																	
L032	15A1	0.701		29.7		2.16		2.39										3.72		2.06		3.5		1.44	
L035	15A1									1		11.4		0.57		0.8		3.53		1.89		3.23		1.38	
L036	15A1	0.619		30.9		1.9		2.26		1.42		12.2		0.78		1.05	†	4.3		2.1		3.47		1.43	
L044	15A1	0.715		32.2		2.23		2.58		1.58	††	11.8		0.86		1.1	†	3.51		1.96		3.45		1.51	
L045	15A1	0.67		0.46	††	0.08	††	0.28	††	1.26		11.6		0.73		0.81		0.67	††	2.07		3.01		1.07	††
L063	15A1	0.6		29		2.1		2.2										3.6		1.9		3.3		1.5	
L064	15A1	0.885	†	26.8		2.58		2.17		1.12		12.5		0.79		0.839		3.53		2.25		3.9		1.58	
L091	15A1																	438	††	246	††	481	††	199	††
L132	15A1	0.69		28.9		2.1		2.41																	
L133	15A1	0.676		19.8	††	1.27	†	2.26		1.1		11		0.63		0.733		3.4		1.7		3		1.2	†
L135	15A1	0.822		31		2.1		2.4																	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable Na - 1M NH4Cl extract (15A1) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L001	15A1	0.298		5.66		0.901		0.115	†																
L007	15A1	0.31		5.2		1		0.26		0.405	††	0.76		0.607	††	0.504	††	2.643		0.599	†	0.914	††	0.064	
L011	15A1	0.276		6.29		1.07		0.098	†	0.113		0.442		0.188		0.171		2.63		0.388		0.472		0.167	
L014	15A1	0.369		3.8	††	2.3	††	0.587	††									1.42	††	1.766	††	0.635		0.461	††
L017	15A1			5.93		1.24																			
L018	15A1									0.17		0.62		0.16		0.26									
L022	15A1	0.382		5.99		1.13		0.259		0.1		0.552		0.258		0.175		2.65		0.345		0.452		0.111	
L023	15A1	0.38		6.6		1.2		0.27		0.11		0.58		0.26		0.18		2.8		0.38		0.48		0.12	
L024	15A1	1.218	††	7.81	†	1.87	†	0.822	††	0.744	††	1.64	††	0.87	††	1.04	††	2.5		1.31	††	1.43	††	1.15	††
L027	15A1	0.5		5.1		1.7		1.6	††	0.2		0.7		0.3		0.2		2.4		0.3		0.4		0.1	
L028	15A1	0.35		6.3		1.4		0.29		0.092		0.545		0.292		0.186		2.61		0.405		0.509		0.158	
L029	15A1	0.557	††			1.4		0.504	††																
L032	15A1	0.359		6.08		1.18		0.261										2.47		0.29		0.418		0.105	
L035	15A1																	2.66		0.42		0.53		0.2	
L036	15A1	0.344		6.92		1.23		0.261		0.135		0.642		0.232		0.284		3.66	††	0.453		0.572		0.131	
L044	15A1	0.509	†	8.31	††	1.8		0.344		0.157		0.368		0.18		0.226		3.57	††	0.359		0.496		0.102	
L045	15A1	0.32		1.8	††	0.63		0.15		0.2		1.03		0.48		0.41	††	0.01	††	0.15		0.14	††	0.02	††
L063	15A1	0.4		6.5		1.2		0.3										2.5		0.33		0.44		0.13	
L064	15A1	0.361		6.79		1.04		0.22		0.09		0.478		0.216		0.198		2.53		0.19		0.22	††	0.1	
L132	15A1	0.409		6.16		1.16		0.269																	
L133	15A1	0.153	††	1.31	††	0.272	††	0.104	†	0.058		0.21		0.090		0.068	†	2.4		0.37		0.49		0.12	
L135	15A1	0.396		5.8		1.2		0.246																	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable K - 1M NH4Cl extract (15A1) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		11 1		11 2		11 3		11 4		21		22		23		24		51		52		53		54	
L001	15A1	0.347		1.77		0.965		0.342																	
L007	15A1	0.31		1.8		1		0.33		0.412		1.396		0.388		0.465		0.13		1.322		0.987		0.695	
L011	15A1	0.204	††	1.83		0.825		0.219	†	0.361		1.29		0.281		0.305		0.051		1.35		1.05		0.701	
L014	15A1	0.037	††	0.22	††	0.103	††	0.049	††									0.224		1.35		1.45	†	0.875	
L017	15A1			2		1.09																			
L018	15A1									0.37		1.33		0.32		0.33									
L022	15A1	0.325		1.98		0.993		0.34		0.42		1.47		0.37		0.37		0.185		1.43		1.12		0.769	
L023	15A1	0.31		2.2		0.97		0.34		0.38		1.7		0.36		0.39		0.047		1.6		1.1		0.64	
L024	15A1	0.361		1.97		1.03		0.399		0.459		1.78		0.4		0.442		0.105		1.08		0.86		0.613	
L027	15A1	0.5	††	3.2	††	2.2	††	2	††	0.4		1.4		0.3		0.4		0.2		1.5		1.2		0.9	
L028	15A1	0.33		2.3		1.1		0.4		0.46		1.54		0.48		0.44		0.26		1.52		1.32		0.85	
L029	15A1	0.331		1.4		0.869		0.337										0.1		0.84	††	0.65	††	0.4	
L032	15A1	0.294		2.09		0.954		0.346										0.132		1.44		1.15		0.799	
L035	15A1									0.4		1.43		0.32		0.42		0.29		1.51		1.11		0.87	
L036	15A1	0.319		2.41		1.05		0.366		0.434		1.61		0.338		0.472		0.167		1.52		1.16		0.74	
L044	15A1	0.406	†	2.24		1.16		0.412		0.374		1.31		0.327		0.384		0.141		1.74		1.36		0.898	
L045	15A1	0.14	††	0.03	††	0.05	††	0.04	††	0.8	††	2.71	††	0.68	††	0.71	††	0.08		1.27		0.93		0.56	
L063	15A1	0.3		2		0.9		0.3										0.09		1.4		1.1		0.82	
L064	15A1	0.329		2.24		1.03		0.349		0.335		1.26		0.293		0.31		0.18		1.37		1.17		0.74	
L132	15A1	0.37		2.18		1.1		0.389																	
L133	15A1	0.162	††	2.99	††	1.18		0.252	†	0.237	††	1.9		0.205		0.257		0.11		1.3		1.2		0.53	
L135	15A1	0.321		1.8		0.978		0.344																	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable Ca - 1M NH4OAc extract (15D3) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS			
		111		112		113		114		21		22		23		24		51		52		53		54	
L002	15D3	1.71		34.8		19.2		6.31		1.97		21.6		3.24		4.68		1.8		8.06		16		4.11	
L003	15D3	1.5		37.4		19.8		6.76										1.6		8.5		17		4	
L004	15D3	2.12		48.7	††	37.8	††	7.17		1.68		22.0		2.93		4.51		1.98		9.4		19.0		4.68	†
L009	15D3	1.41		46.9	††	32.1	††	6.25		1.82		25.1	††	3.04		4.49		2.42		11.9	††	24.6	††	5.55	††
L011	15D3	2.05		38.8		23		7.29		1.68		21.8		2.95		4.45		2.05		9.05		19		4.62	†
L013	15D3	1.7		42.8		26.4	†	6.4		1.6		21.6		2.7		4.5		2.2		8.1		19.1		4.5	
L017	15D3									1.59		21.2		2.75		4.08		2		8.82		19.3		4.29	
L019	15D3	1.82		28.91	††	9.58	††	7.03		1.91		24.7	††	2.83		5.6	††	1.52		10.6		20		4.73	†
L024	15D3	2.0		34.9		21.3		6.91		1.52		20.6		2.91		4.14		2.12		9.56		18.5		3.9	
L026	15D3	1.85		35.6		20.8		6.68		1.35		20.6		2.7		4.15		1.82		8.32		17.3		4.07	
L030	15D3	1.81		38.3		19.8		6.99		1.4		20		2.64		3.8		1.78		8		16.7		3.96	
L040	15D3	1.93		39.0		21.5		6.17																	
L041	15D3	3.28	††	37.8		21.9		6.39		2.77	††	20.8		3.84	††	4.24		1.34		7.64		15.9		4.1	
L042	15D3	1.78		36.2		22.2		6.37		1.42		22.5		2.63		4.13		1.81		8.4		19.2		3.93	
L046	15D3									1.4		23.3		2.75		4.08		1.82		8.34		18		4.1	
L055	15D3	1.86		35.5		21.9		6.61		1.28		21		2.47		3.83		1.96		8.93		18.1		3.89	
L080	15D3	1.46		37.6		20.5		5.79		1.29		19. 6		2.35		3.64		1.86		7.78		16.6		4	
L084	15D3	1.71		36.2		20.7		6.12		1.25		19.3		2.5		3.49		1.58		7.38		16.6		3.52	
L093	15D3																	1.4		7.5		17		3.9	
L100	15D3									1.29		21.3		2.52		3.63		1.7		7.21		15.8		3.54	
L126	15D3	1.6		3.7	††	20		6.3		1.2		19		2.3		3.8		1.4		6.9		14.7		3.3	†
L135	15D3									2.1		20.3		3.2		5.1		2.11		9.48		18.8		5.36	††
L139	15D3	2.25		35.2		22.8		7.26		2.1		20.5		3.56		4.54		2.12		8.96		18.3		4.46	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable Mg - 1M NH4OAc extract (15D3) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS			
		111		112		113		114		21		22		23		24		51		52		53		54	
L002	15D3	0.711		1.91	††	1.84		2.12		1.51		8.76		1.14	†	1.1	††	3.36		1.74		3.02		1.26	
L003	15D3	0.8		28.7		2.08		2.52										3.9		1.9		3.5		1.5	
L004	15D3	0.773		32.1		2.22		2.39		1.21		12.4		0.804		0.808		3.733		1.93		3.31		1.45	
L009	15D3	0.8		35.1	†	2.63	††	2.61		1.28		15.6		0.833		0.892		4.32		2.29		3.8		1.74	
L011	15D3	0.74		29.2		2.15		2.5		1.3		11.7		0.783		0.847		4.13		2.04		3.5		1.55	
L013	15D3	0.65		31.8		2.16		2.35		1.09		13.2		0.71		0.84		4.02		1.88		3.58		1.49	
L017	15D3									1.42		13.1		0.84		0.88		4.55		2.31		4.11		1.72	
L019	15D3	0.743		27.3		1.93		2.6		1.38		13.9		0.801		1.03	†	3.82		2.1		3.68		1.5	
L024	15D3	0.805		28.6		2.11		2.55		1.2		10		0.774		0.868		4.52		2.37		3.77		1.78	
L026	15D3	0.719		28.4		2.01		2.42		1.09		11.6		11.6	††	0.834		3.85		1.97		3.37		1.47	
L030	15D3	0.368	††	16.9	††	1.13	††	1.43	††	1.12		11		0.73		0.78		3.74		1.92		3.42		1.41	
L040	15D3	0.731		32.8	†	2.06		2.23																	
L041	15D3	0.91		28.5		2.32		2.56		1.34		11.0		0.97		1.06	†	3.87		2.14		3.56		1.35	
L042	15D3	0.65		27.8		2		2.2		1.03		14.6		0.68		0.77		3.28		1.95		3.08		1.42	
L046	15D3									1.18		12.1		0.758		0.845		3.77		1.78		3.2		1.35	
L055	15D3	0.637		29.1		2.11		2.37		0.992		11.3		0.653		0.796		3.51		1.89		3.33		1.39	
L080	15D3	1.2	††	32.7	†	2.14		2.36		1.75	††	10.1		1.4	††	1.49	††	3.72		2.39		3.51		1.81	
L084	15D3	0.648		28.1		1.89		2.09		1.03		10.82		0.658		0.69		3.26		1.84		3.07		1.27	
L093	15D3																	3.8		2.1		3.5		1.6	
L100	15D3									0.774		8.39		0.495	†	0.554	††	3.41		1.7		3.09		1.24	
L126	15D3	0.72		1.3	††	2.2		2.4		1.2		12		0.68		0.74		3.5		1.9		3.2		1.4	
L135	15D3									1.2		11.9		0.83		0.84		4.19		2.07		3.52		1.64	
L139	15D3	0.83		25.3		2.13		2.51		1.38		12.8		1.0		0.97		3.31		2.01		3.52		1.5	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable Na - 1M NH4OAc extract (15D3) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L002	15D3	0.036	††	0.044	††	0.027	††	0.01	††																
L003	15D3	0.44		3.28	††	1.29		0.24										2.4		3.7	††	3.2	††	1.6	††
L004	15D3	0.413		7.20		1.55		0.313		0.089		0.726		0.256		0.18		2.52		0.372		0.498		0.163	
L009	15D3	0.45		6.45		1.31		0.335		0.147		0.588		0.302	†	0.229		2.97		0.439		0.545		0.197	
L011	15D3	0.301		5.84		1.07		0.217		0.057		0.392		0.161	††	0.102		2.56		0.224		0.278	†	0.085	
L013	15D3	0.38		6.43		1.42		0.27		0.13		0.55		0.28		0.22		3.11		0.36		0.51		0.17	
L017	15D3									0.12		0.61		0.28		0.19		2.95		0.42		0.52		0.14	
L019	15D3	0.404		6.35		1.24		0.282		0.069		0.61		0.252		0.179		2.75		0.36		0.484		0.136	
L024	15D3	0.692	††	7.26		1.62		0.483	††	0.145		0.631		0.248		0.229		2.82		0.42		0.602		0.165	
L026	15D3	0.404		5.87		1.16		0.256		0.102		0.535		0.263		0.188		2.63		0.364		0.467		0.137	
L030	15D3	0.446		6.77		1.27		0.332		0.1		0.53		0.25		0.16		2.6		0.367		0.48		0.147	
L040	15D3	0.408		6.58		1.42		0.274																	
L041	15D3	0.66	††	5.62		1.38		0.54	††	0.52	††	0.91	††	0.61	††	0.58	††	2.68		0.68	††	0.75	†	0.42	††
L042	15D3	0.35		4.78		1.25		0.23		0.11		0.53		0.24		0.17		2.69		0.3		0.4		0.11	
L046	15D3									0.123		0.844	†	0.264		0.227		2.52		0.464		0.613		0.165	
L055	15D3	0.321		5.48		1.04		0.212		0.089		0.517		0.221		0.334	††	2.38		0.325		0.401		0.118	
L080	15D3	0.374		0.514	††	1.06		0.299		0.103		0.444		0.21	†	0.153		2.52		0.389		0.487		0.155	
L084	15D3	0.366		5.78		1.14		0.235		0.113		0.523		0.251		0.178		2.40		0.321		0.421		0.129	
L100	15D3	0.403		7.14		1.05		0.29		0.251	††	0.729		0.444	††	0.366	††	2.55		0.374		0.493		0.147	
L126	15D3	0.37		6.8		1.4		0.28		0.11		0.65		0.26		0.21		2.4		0.4		0.66		0.19	
L135	15D3									0.104		0.551		0.261		0.193		2.99		0.444		0.524		0.255	†
L137	15D3	0.505		6.08		1.36		0.367										2.59		0.631	††	0.674		0.32	††
L139	15D3	1.01	††	10.9	††	3.27	††	1.08	††	0.43	††	1.08	††	0.63	††	0.63	††	2.27		0.75	††	0.93	††	0.59	††

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable K - 1M NH4OAc extract (15D3) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L002	15D3	0.32		1.73		0.898		0.327		0.42		1.21		0.261	††	0.293		0.115		1.31		1.06	†	0.731	
L003	15D3	0.89	††	0.01	††	1.31	††	0.63	††									0.12		1.7		1.3		0.98	
L004	15D3	0.305		2.74	††	1.23	†	0.348		0.421		1.86		0.354		0.402		0.165		1.60		1.37	†	0.814	
L009	15D3	0.346		2.03		1.04		0.387		0.493		1.57		0.403		0.45		0.181		1.65		1.42	††	0.865	
L011	15D3	0.394		2.01		1.05		0.397		0.458		1.38		0.357		0.376		0.333	††	1.4		1.17		0.811	
L013	15D3	0.33		2.23		1.03		0.35		0.43		1.38		0.39		0.43		0.16		1.46		1.24		0.82	
L017	15D3									0.52		1.63		0.41		0.43		0.14		1.69		1.36	†	14.6	††
L019	15D3	0.342		1.54		0.981		0.384		0.51		1.53		0.418		0.469		0.171		1.55		1.23		0.901	
L024	15D3	0.338		2.06		1.06		0.369		0.49		1.56		0.417		0.451		0.184		1.52		1.22		0.895	
L026	15D3	0.338		1.82		0.961		0.357		0.42		1.39		0.367		0.392		0.135		1.53		1.18		0.839	
L030	15D3	0.304		1.91		0.968		0.349		0.44		1.43		0.38		0.38		0.102		1.48		1.18		0.813	
L040	15D3	0.318		2.24		1.14		0.362																	
L041	15D3	0.35		1.83		0.92		0.37		0.44		1.37		0.39		0.37		0.15		1.41		1.03	††	0.74	
L042	15D3	0.34		1.82		1.01		0.33		0.47		0.75		0.39		0.39		0.11		1.4		1.17		0.82	
L046	15D3									0.394		1.71		0.364		0.392		0.186		1.39		1.26		0.757	
L055	15D3	0.276	†	1.71		0.873		0.292		0.36		1.29		0.319		0.351		0.119		1.41		1.04	††	0.724	
L080	15D3	0.291		1.67		0.906		0.325		0.269	††	0.935		0.218	††	0.235	††	0.166		1.58		1.23		0.873	
L084	15D3	0.324		1.78		0.97		0.333		0.405		1.32		0.348		0.355		0.127		1.53		1.17		0.802	
L093	15D3																	0.11		1.5		1.2		0.8	
L100	15D3	0.335		3.1	††	1.03		0.372		0.448		1.6		0.433		0.439		0.253		1.48		1.15		0.764	
L126	15D3	0.36		2.3		1.1		0.43		0.4		1.3		0.38		0.39		0.16		1.36		1.18		0.79	
L135	15D3									0.415		1.39		0.36		0.388		0.221		1.54		1.21		0.882	
L137	15D3	0.355		1.82		1.01		0.363										0.154		1.49		1.22		0.886	
L139	15D3	0.34		2.76	††	1.39	††	0.46	††	0.55		1.83		0.51	††	0.47		0.18		1.57		1.38	††	0.83	

Lab. Code #	Method Codes	Soil sample identification and values for																							
		Exchangeable Al - 1M KCl extract (15G1) cmol+/kg air dry																							
		November 2006 (Round 206)								*February 2007 (Round 406)*								*May 2007 (Round 606)*							
		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS		ASS	
		111		112		113		114		21		22		23		24		51		52		53		54	
L004	15G1	0.036		0.029		0.029		0.031		0.296	††	0.062	††	0.049		0.227		5.99	††	0.251		0.054		0.212	
L009	15G1	0.010		0.001		0.001		0.001		0.273	††	0.001		0.011		0.159	††	7.86	††	0.046		0.011		0.35	
L011	15G1	0.259	††	0.06	†	0.064	††	0.183	††	1.53		0.213	††	0.487	††	1.17		20.7		0.269		0.228	††	1.01	
L019	15G1	0.191	††	0.012		0.033	†	0.01		2.19	††	0.053	††	0.322	††	1.81	††	18.8		0.36		0.098		1.27	
L022	15G1	0.017		0.005		0.005		0.015		1.34		0.009		0.072		1.02		18.4		0.165		0.02		1.02	
L024	15G1									1.24		0.04	†	0.04		0.76									
L026	15G1	0.036		0.018		0.015		0.013		1.48		0.01		0.147		1.21		20.9		0.227		0.061		1.109	
L028	15G1	0.05		0.005		0.005		0.005		1.36		0.01		0.11		1.03		19.7		0.35		0.2	†	1.16	
L029	15G1	0.001		0.076	††	0.137	††	0.007										23		0.17		0.16		0.78	
L030	15G1	0.016		0.01		0.006		0.009		1.43		0.001		0.08		1.17		19.9		0.073		0.014		0.922	
L032	15G1																	23.9		0.207		0.034		1.11	
L036	15G1	0.006		0.002		0.002		0.002		1.67		0.012		0.096		1.16		19.9		0.152		0.039		0.952	
L040	15G1	0.0129		0.015		0.011		0.008																	
L044	15G1	0.028		0.134	††	0.052	††	0.048	††	1.2		0.134	††	0.105		0.87		20.7		0.211		0.081		0.893	
L045	15G1									0.93		0.01		0.01		0.23		12.6	††	0.1		0.01		0.75	
L055	15G1									1.15		0.01		0.14		1.02		18.1		0.211		0.102		0.823	
L064	15G1	0.035		0.003		0.001		0.016		1.87		0.004		0.075		0.731		19.9		0.044		0.013		0.34	
L132	15G1	0.002		0.005		0.001		0.001																	
L133	15G1	0.005		0.001		0.004		0.01		1.2		0.001		0.053		0.699		22		0.17		0.04		1.1	
L135	15G1	0.012		0.042		0.009		0.002		1.38		0.003		0.098		0.959		17.7		0.141		0.079		0.657	
L137	15G1	0.042		0.095	††	0.024		0.02										8.36	††	0.08		0.005		0.508	
L139	15G1	0.15	††	0.02		0.03	†	0.04	††	1.36		0.12	††	0.33	††	0.98		14	†	0.36		0.17		0.85	