



**Multiple Analysis Profile**

CLIENT: **Rivcow Environmental Pty Ltd**  
 PO Box 345  
 Round Corner NSW 2158  
**Attn: Glen Ellery**

PROJECT: Name: **Standard Rivcow Analysis**  
 Location:  
 SESL Quote N°: Client Job N°: Order N°:  
 Date Received: **11/08/2008**



**Sydney Environmental and Soil Laboratory**

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

**Sydney Environmental & Soil Laboratory Pty Ltd**  
 ABN 70 106 810 708  
 16 Chilvers Road  
 Thornleigh NSW 2120  
 Australia  
 Address mail to:  
 PO Box 357  
 Pennant Hills NSW 1715  
 Tel: 02 9980 6554  
 Fax: 02 9484 2427  
 Em: info@sesl.com.au  
 Web: www.sesl.com.au

SAMPLE: Batch N°: **7422** Sample N°: **2**  
 Name: **Plot 2-C Week 2**  
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

Total No Pages: 2/12

		Result	Kg/Ha
Arsenic	mg/kg	6	
Cadmium	mg/kg	<0.5	
Copper	mg/kg	35	0.35
Lead	mg/kg	5	
Zinc	mg/kg	220	2.2
Mercury	mg/kg	<0.1	
Phosphorus	mg/kg	8600	86
Potassium	mg/kg	21000	210
Boron	mg/kg	9	0.09
Calcium	mg/kg	18000	180
Iron	mg/kg	20000	200
Magnesium	mg/kg	6300	63
Manganese	mg/kg	290	2.9
Sodium	mg/kg	1500	15
Sulphur	mg/kg	6000	60
pH in water (1:1.5) (AS4454)	pH units	8.3	
Total Nitrogen (LECO)	% w/w	2.04	204
Loss on Ignition (LOI)	% w/w Organic Carbon	23.17	
Moisture Content (AS4454)	% w/w	19.7	
C : N ratio	--		

Analysed by Envirolab NATA # 2901 Report # 21710

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: *Paul Looby*  
 Paul Looby

Authorised Signatory: *Simon Leake*  
 Simon Leake

Date of Report  
 25/08/2008

**Multiple Analysis Profile**

CLIENT: **Rivcow Environmental Pty Ltd**  
 PO Box 345  
 Round Corner NSW 2158  
**Attn: Glen Ellery**

PROJECT: Name: **Standard Rivcow Analysis**  
 Location:  
 SESL Quote N°: Client Job N°: Order N°:  
 Date Received: **11/08/2008**



**Sydney Environmental and Soil Laboratory**

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

**Sydney Environmental & Soil Laboratory Pty Ltd**  
 ABN 70 106 810 708  
 16 Chilvers Road  
 Thornleigh NSW 2120  
 Australia  
 Address mail to:  
 PO Box 357  
 Pennant Hills NSW 1715  
 Tel: 02 9980 6554  
 Fax: 02 9484 2427  
 Em: info@sesl.com.au  
 Web: www.sesl.com.au

SAMPLE: Batch N°: **7422** Sample N°: **3**  
 Name: **Plot 3-Z2 Week 2**  
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

Total No Pages: 3/12

		Result	Kg/Ha
Arsenic	mg/kg	5	
Cadmium	mg/kg	<0.5	
Copper	mg/kg	28	0.28
Lead	mg/kg	6	
Zinc	mg/kg	190	1.9
Mercury	mg/kg	<0.1	
Phosphorus	mg/kg	6700	67
Potassium	mg/kg	19000	190
Boron	mg/kg	9	0.09
Calcium	mg/kg	16000	160
Iron	mg/kg	15000	150
Magnesium	mg/kg	5700	57
Manganese	mg/kg	260	2.6
Sodium	mg/kg	1700	17
Sulphur	mg/kg	7300	73
pH in water (1:1.5) (AS4454)	pH units	7.9	
Total Nitrogen (LECO)	% w/w	1.68	168
Loss on Ignition (LOI)	% w/w Organic Carbon	18.75	
Moisture Content (AS4454)	% w/w	17.3	
C : N ratio	--		

Analysed by Envirolab NATA # 2901 Report # 21710

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: *Paul Looby*  
 Paul Looby

Authorised Signatory: *Simon Leake*  
 Simon Leake

Date of Report  
 25/08/2008



**Multiple Analysis Profile**

CLIENT: **Rivcow Environmental Pty Ltd**  
 PO Box 345  
 Round Corner NSW 2158  
**Attn: Glen Ellery**

PROJECT: Name: **Standard Rivcow Analysis**  
 Location:  
 SESL Quote N°: Client Job N°: Order N°:  
 Date Received: **11/08/2008**



**Sydney Environmental and Soil Laboratory**

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

**Sydney Environmental & Soil Laboratory Pty Ltd**  
 ABN 70 106 810 708  
 16 Chilvers Road  
 Thornleigh NSW 2120  
 Australia  
 Address mail to:  
 PO Box 357  
 Pennant Hills NSW 1715  
 Tel: 02 9980 6554  
 Fax: 02 9484 2427  
 Em: info@sesl.com.au  
 Web: www.sesl.com.au

SAMPLE: Batch N°: **7422** Sample N°: **5**  
 Name: **Plot 5-Z1 Week 2**  
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

Total No Pages: 5/12

		Result	Kg/Ha
Arsenic	mg/kg	5	
Cadmium	mg/kg	<0.5	
Copper	mg/kg	35	0.35
Lead	mg/kg	6	
Zinc	mg/kg	230	2.3
Mercury	mg/kg	<0.1	
Phosphorus	mg/kg	9300	93
Potassium	mg/kg	24000	240
Boron	mg/kg	10	0.10
Calcium	mg/kg	19000	190
Iron	mg/kg	23000	230
Magnesium	mg/kg	7200	72
Manganese	mg/kg	290	2.9
Sodium	mg/kg	1600	16
Sulphur	mg/kg	5700	57
pH in water (1:1.5) (AS4454)	pH units	8.3	
Total Nitrogen (LECO)	% w/w	2.03	203
Loss on Ignition (LOI)	% w/w Organic Carbon	22.63	
Moisture Content (AS4454)	% w/w	16.4	
C : N ratio	--		

Analysed by Envirolab NATA # 2901 Report # 21710

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: *Paul Looby*  
 Paul Looby

Authorised Signatory: *Simon Leake*  
 Simon Leake

Date of Report  
 25/08/2008



**Multiple Analysis Profile**

CLIENT: **Rivcow Environmental Pty Ltd**  
 PO Box 345  
 Round Corner NSW 2158  
 Attn: **Glen Ellery**

PROJECT: Name: **Standard Rivcow Analysis**  
 Location:  
 SESL Quote N°: Client Job N°: Order N°:  
 Date Received: **11/08/2008**



**Sydney Environmental and Soil Laboratory**

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

**Sydney Environmental & Soil Laboratory Pty Ltd**  
 ABN 70 106 810 708  
 16 Chilvers Road  
 Thornleigh NSW 2120  
 Australia  
 Address mail to:  
 PO Box 357  
 Pennant Hills NSW 1715  
 Tel: 02 9980 6554  
 Fax: 02 9484 2427  
 Em: info@sesl.com.au  
 Web: www.sesl.com.au

SAMPLE: Batch N°: **7422** Sample N°: **7**  
 Name: **Plot 7-Z2 Week 2**  
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

Total No Pages: 7/12

		Result	Kg/Ha
Arsenic	mg/kg	5	
Cadmium	mg/kg	<0.5	
Copper	mg/kg	28	0.28
Lead	mg/kg	5	
Zinc	mg/kg	180	1.8
Mercury	mg/kg	<0.1	
Phosphorus	mg/kg	7500	75
Potassium	mg/kg	20000	200
Boron	mg/kg	9	0.09
Calcium	mg/kg	16000	160
Iron	mg/kg	15000	150
Magnesium	mg/kg	6200	62
Manganese	mg/kg	240	2.4
Sodium	mg/kg	1600	16
Sulphur	mg/kg	5500	55
pH in water (1:1.5) (AS4454)	pH units	8.2	
Total Nitrogen (LECO)	% w/w	2.00	200
Loss on Ignition (LOI)	% w/w Organic Carbon	22.70	
Moisture Content (AS4454)	% w/w	14.2	
C : N ratio	--		

Analysed by Envirolab NATA # 2901 Report # 21710

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: *Paul Looby*  
 Paul Looby

Authorised Signatory: *Simon Leake*  
 Simon Leake

Date of Report  
 25/08/2008

**Multiple Analysis Profile**

CLIENT: **Rivcow Environmental Pty Ltd**  
 PO Box 345  
 Round Corner NSW 2158  
**Attn: Glen Ellery**

PROJECT: Name: **Standard Rivcow Analysis**  
 Location:  
 SESL Quote N°: Client Job N°: Order N°:  
 Date Received: **11/08/2008**



**Sydney Environmental and Soil Laboratory**

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

**Sydney Environmental & Soil Laboratory Pty Ltd**  
 ABN 70 106 810 708  
 16 Chilvers Road  
 Thornleigh NSW 2120  
 Australia  
 Address mail to:  
 PO Box 357  
 Pennant Hills NSW 1715  
 Tel: 02 9980 6554  
 Fax: 02 9484 2427  
 Em: info@sesl.com.au  
 Web: www.sesl.com.au

SAMPLE: Batch N°: **7422** Sample N°: **8**  
 Name: **Plot 8-Z1 Week 2**  
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

Total No Pages: 8/12

		Result	Kg/Ha
Arsenic	mg/kg	<4	
Cadmium	mg/kg	<0.5	
Copper	mg/kg	21	0.21
Lead	mg/kg	5	
Zinc	mg/kg	130	1.3
Mercury	mg/kg	<0.1	
Phosphorus	mg/kg	5400	54
Potassium	mg/kg	14000	140
Boron	mg/kg	6	0.06
Calcium	mg/kg	12000	120
Iron	mg/kg	13000	130
Magnesium	mg/kg	4600	46
Manganese	mg/kg	190	1.9
Sodium	mg/kg	1400	14
Sulphur	mg/kg	3700	37
pH in water (1:1.5) (AS4454)	pH units	8.2	
Total Nitrogen (LECO)	% w/w	1.79	179
Loss on Ignition (LOI)	% w/w Organic Carbon	20.95	
Moisture Content (AS4454)	% w/w	15.2	
C : N ratio	--		

Analysed by Envirolab NATA # 2901 Report # 21710

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: *Paul Looby*  
 Paul Looby

Authorised Signatory: *Simon Leake*  
 Simon Leake

Date of Report  
 25/08/2008

**Multiple Analysis Profile**

CLIENT: **Rivcow Environmental Pty Ltd**  
 PO Box 345  
 Round Corner NSW 2158  
**Attn: Glen Ellery**

PROJECT: Name: **Standard Rivcow Analysis**  
 Location:  
 SESL Quote N°: Client Job N°: Order N°:  
 Date Received: **11/08/2008**



**Sydney Environmental and Soil Laboratory**

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

**Sydney Environmental & Soil Laboratory Pty Ltd**  
 ABN 70 106 810 708  
 16 Chilvers Road  
 Thornleigh NSW 2120  
 Australia  
 Address mail to:  
 PO Box 357  
 Pennant Hills NSW 1715  
 Tel: 02 9980 6554  
 Fax: 02 9484 2427  
 Em: info@sesl.com.au  
 Web: www.sesl.com.au

SAMPLE: Batch N°: **7422** Sample N°: **9**  
 Name: **Plot 9-C Week 2**  
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

Total No Pages: 9/12

		Result	Kg/Ha
Arsenic	mg/kg	5	
Cadmium	mg/kg	<0.5	
Copper	mg/kg	35	0.35
Lead	mg/kg	5	
Zinc	mg/kg	230	2.3
Mercury	mg/kg	<0.1	
Phosphorus	mg/kg	9100	91
Potassium	mg/kg	24000	240
Boron	mg/kg	11	0.11
Calcium	mg/kg	18000	180
Iron	mg/kg	19000	190
Magnesium	mg/kg	6900	69
Manganese	mg/kg	270	2.7
Sodium	mg/kg	1500	15
Sulphur	mg/kg	6400	64
pH in water (1:1.5) (AS4454)	pH units	8.5	
Total Nitrogen (LECO)	% w/w	1.97	197
Loss on Ignition (LOI)	% w/w Organic Carbon	22.05	
Moisture Content (AS4454)	% w/w	14.0	
C : N ratio	--		

Analysed by Envirolab NATA # 2901 Report # 21710

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: *Paul Looby*  
 Paul Looby

Authorised Signatory: *Simon Leake*  
 Simon Leake

Date of Report  
 25/08/2008



**Multiple Analysis Profile**

CLIENT: **Rivcow Environmental Pty Ltd**  
 PO Box 345  
 Round Corner NSW 2158  
**Attn: Glen Ellery**

PROJECT: Name: **Standard Rivcow Analysis**  
 Location:  
 SESL Quote N°: Client Job N°: Order N°:  
 Date Received: **11/08/2008**



**Sydney Environmental and Soil Laboratory**

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

**Sydney Environmental & Soil Laboratory Pty Ltd**  
 ABN 70 106 810 708  
 16 Chilvers Road  
 Thornleigh NSW 2120  
 Australia  
 Address mail to:  
 PO Box 357  
 Pennant Hills NSW 1715  
 Tel: 02 9980 6554  
 Fax: 02 9484 2427  
 Em: info@sesl.com.au  
 Web: www.sesl.com.au

SAMPLE: Batch N°: **7422** Sample N°: **11**  
 Name: **Plot 11-Z2 Week 2**  
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

Total No Pages: 11/12

		Result	Kg/Ha
Arsenic	mg/kg	5	
Cadmium	mg/kg	<0.5	
Copper	mg/kg	29	0.29
Lead	mg/kg	5	
Zinc	mg/kg	200	2
Mercury	mg/kg	<0.1	
Phosphorus	mg/kg	8500	85
Potassium	mg/kg	23000	230
Boron	mg/kg	10	0.10
Calcium	mg/kg	19000	190
Iron	mg/kg	16000	160
Magnesium	mg/kg	6900	69
Manganese	mg/kg	260	2.6
Sodium	mg/kg	1900	19
Sulphur	mg/kg	6100	61
pH in water (1:1.5) (AS4454)	pH units	8.3	
Total Nitrogen (LECO)	% w/w	1.85	185
Loss on Ignition (LOI)	% w/w Organic Carbon	21.64	
Moisture Content (AS4454)	% w/w	13.7	
C : N ratio	--		

Analysed by Envirolab NATA # 2901 Report # 21710

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: *Paul Looby*  
 Paul Looby

Authorised Signatory: *Simon Leake*  
 Simon Leake

Date of Report  
 25/08/2008

**Multiple Analysis Profile**

CLIENT: **Rivcow Environmental Pty Ltd**  
 PO Box 345  
 Round Corner NSW 2158  
 Attn: **Glen Ellery**

PROJECT: Name: **Standard Rivcow Analysis**  
 Location:  
 SESL Quote N°: Client Job N°: Order N°:  
 Date Received: **11/08/2008**



**Sydney Environmental and Soil Laboratory**

Specialists in Soil Chemistry, Agronomy and Contamination Assessments

**Sydney Environmental & Soil Laboratory Pty Ltd**  
 ABN 70 106 810 708  
 16 Chilvers Road  
 Thornleigh NSW 2120  
 Australia  
 Address mail to:  
 PO Box 357  
 Pennant Hills NSW 1715  
 Tel: 02 9980 6554  
 Fax: 02 9484 2427  
 Em: info@sesl.com.au  
 Web: www.sesl.com.au

SAMPLE: Batch N°: **7422** Sample N°: **12**  
 Name: **Plot 12-C Week 2**  
 Test Type: **pH (4454), TN, LOI, MC, Report C:N ratio, [TP, TK, HMS, B, Ca, Fe, Mg, Mn, Na, S]**

Tests are performed under a quality system certified as complying with ISO 9001: 2000. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.

Total No Pages: 12/12

		Result	Kg/Ha
Arsenic	mg/kg	<4	
Cadmium	mg/kg	<0.5	
Copper	mg/kg	28	0.28
Lead	mg/kg	4	
Zinc	mg/kg	180	1.8
Mercury	mg/kg	<0.1	
Phosphorus	mg/kg	7900	79
Potassium	mg/kg	22000	220
Boron	mg/kg	9	0.09
Calcium	mg/kg	16000	160
Iron	mg/kg	17000	170
Magnesium	mg/kg	6300	63
Manganese	mg/kg	230	2.3
Sodium	mg/kg	1400	14
Sulphur	mg/kg	5700	57
pH in water (1:1.5) (AS4454)	pH units	8.4	
Total Nitrogen (LECO)	% w/w	2.06	206
Loss on Ignition (LOI)	% w/w Organic Carbon	24.64	
Moisture Content (AS4454)	% w/w	15.9	
C : N ratio	--		

Analysed by Envirolab NATA # 2901 Report # 21710

Kg/ha rates have been calculated using a bulk density of 0.4kg/L, soil depth of 150mm and an application rate of cow manure at 10 tonnes of dry weight/ha.

No recommendations required by SESL.

Consultant: *Paul Looby*  
 Paul Looby

Authorised Signatory: *Simon Leake*  
 Simon Leake

Date of Report  
 25/08/2008