



LABORATORY ANALYTICAL REPORT

Client: AMPP  
Project: AMPP Tier II  
Lab ID: H05110017-001  
Client Sample ID: T2/LA-10-(0-6")

Report Date: 11/30/05  
Collection Date: 10/25/05 17:00  
Date Received: 10/27/05  
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	6.7	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	2.07	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	54.0	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.61	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	10.8	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	0.4	mg/L		0.1		ASA10-3	11/16/05 11:20 / sld
<b>SATURATED PASTE</b>							
Calcium, sat. paste	15.0	meq/l		0.05		SW6010B	11/16/05 13:04 / rp
Magnesium, sat. paste	6.89	meq/l		0.08		SW6010B	11/16/05 13:04 / rp
Sodium, sat. paste	2.02	meq/l		0.04		SW6010B	11/16/05 13:04 / rp
Sulfate, sat. paste	14.5	meq/l		0.02		SW6010B	11/16/05 13:04 / rp
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	34	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	45	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	21	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Fluoride	ND	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Potassium, NH4OAc Extractable	215	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	4.19	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	30.6	meq/100g		0.09		SW6010B	11/21/05 09:17 / jjm
Lime as CaCO3	7.2	%		0.1		USDA23c	11/16/05 00:00 / jjm
Phosphorus	28	mg/kg		0.8		ASA24-5	11/23/05 14:47 / rp
Nitrate + Nitrite as N, KCL Extract	6	mg/kg		1		ASA38-3	11/23/05 11:00 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	0.50	meq/100g		0.04		SW6010B	11/17/05 10:21 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.3	%		0.1		USDA20a	11/15/05 15:23 / jjm
<b>METALS, DTPA EXTRACTABLE</b>							
Zinc	1.52	mg/kg		0.02		SW6010B	11/22/05 16:14 / rp
<b>METALS, CACL2 EXTRACTABLE</b>							
Barium	0.7	mg/kg		0.2		SW6010B	11/22/05 14:18 / rp
Boron	0.5	mg/kg		0.2		SW6010B	11/22/05 14:18 / rp

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



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Project: AMPP Tier II  
Lab ID: H05110017-001  
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Report Date: 11/30/05  
Collection Date: 10/25/05 17:00  
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Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>METALS, CACL2 EXTRACTABLE</b>							
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 14:18 / rp

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LABORATORY ANALYTICAL REPORT

Client: AMPP  
Project: AMPP Tier II  
Lab ID: H05110017-002  
Client Sample ID: T2/LA-10- (6-12")

Report Date: 11/30/05  
Collection Date: 10/25/05 17:00  
Date Received: 10/27/05  
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.2	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	2.80	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	47.5	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	4.12	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	0.5	mg/L		0.1		ASA10-3	11/16/05 11:22 / sld
<b>SATURATED PASTE</b>							
Calcium, sat. paste	16.2	meq/l		0.05		SW6010B	11/16/05 13:07 / rp
Magnesium, sat. paste	10.2	meq/l		0.08		SW6010B	11/16/05 13:07 / rp
Sodium, sat. paste	8.87	meq/l		0.04		SW6010B	11/16/05 13:07 / rp
Sulfate, sat. paste	31.2	meq/l		0.02		SW6010B	11/16/05 13:07 / rp
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	32	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	46	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	22	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	26.9	meq/100g		0.09		SW6010B	11/21/05 09:20 / jjm
Lime as CaCO3	8.2	%		0.1		USDA23c	11/16/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	4	mg/kg		1		ASA38-3	11/23/05 12:44 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	1.03	meq/100g		0.04		SW6010B	11/17/05 10:24 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	2.3	%		0.1		USDA20a	11/15/05 15:23 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110017-003  
 Client Sample ID: T2/LA-10-(12-24")

Report Date: 11/30/05  
 Collection Date: 10/25/05 17:00  
 Date Received: 10/27/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.5	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	4.49	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	46.9	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	4.3	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.90	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	0.5	mg/L		0.1		ASA10-3	11/16/05 11:24 / sld
<b>SATURATED PASTE</b>							
Calcium, sat. paste	21.1	meq/l		0.05		SW6010B	11/16/05 13:10 / rp
Magnesium, sat. paste	18.1	meq/l		0.08		SW6010B	11/16/05 13:10 / rp
Sodium, sat. paste	19.0	meq/l		0.04		SW6010B	11/16/05 13:10 / rp
Sulfate, sat. paste	56.9	meq/l		0.02		SW6010B	11/16/05 13:10 / rp
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	30	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	46	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	24	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	25.9	meq/100g		0.09		SW6010B	11/21/05 09:23 / jjm
Lime as CaCO3	7.8	%		0.1		USDA23c	11/16/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	4	mg/kg		1		ASA38-3	11/23/05 12:46 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	1.53	meq/100g		0.04		SW6010B	11/17/05 10:27 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	2.5	%		0.1		USDA20a	11/15/05 15:23 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110017-004  
 Client Sample ID: T2/LA-10-(24-36")

Report Date: 11/30/05  
 Collection Date: 10/25/05 17:00  
 Date Received: 10/27/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	6.06	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	44.9	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	6.0	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	2.75	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	24.0	meq/l		0.05		SW6010B	11/16/05 13:12 / rp
Magnesium, sat. paste	32.1	meq/l		0.08		SW6010B	11/16/05 13:12 / rp
Sodium, sat. paste	31.7	meq/l		0.04		SW6010B	11/16/05 13:12 / rp
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	40	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	40	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	20	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	22.3	meq/100g		0.09		SW6010B	11/21/05 09:26 / jjm
Lime as CaCO3	7.7	%		0.1		USDA23c	11/16/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	2.30	meq/100g		0.04		SW6010B	11/17/05 10:30 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	3.9	%		0.1		USDA20a	11/15/05 15:23 / jjm

Report Definitions: RL - Analyte reporting limit.  
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 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP  
Project: AMPP Tier II  
Lab ID: H05110017-005  
Client Sample ID: T2/LA-10-(36-60")

Report Date: 11/30/05  
Collection Date: 10/25/05 17:00  
Date Received: 10/27/05  
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	6.57	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	37.9	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	6.9	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	2.17	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	22.5	meq/l		0.05		SW6010B	11/16/05 13:15 / rp
Magnesium, sat. paste	32.8	meq/l		0.08		SW6010B	11/16/05 13:15 / rp
Sodium, sat. paste	36.3	meq/l		0.04		SW6010B	11/16/05 13:15 / rp
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	55	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	29	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	16	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SL	unitless				ASA15-5	11/15/05 15:23 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Fluoride	1.1	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Cation Exchange Capacity	20.2	meq/100g		0.09		SW6010B	11/21/05 09:29 / jjm
Lime as CaCO3	7.3	%		0.1		USDA23c	11/16/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	2.29	meq/100g		0.04		SW6010B	11/17/05 10:33 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	4.6	%		0.1		USDA20a	11/15/05 15:23 / jjm
<b>METALS, CaCl2 EXTRACTABLE</b>							
Barium	ND	mg/kg		0.2		SW6010B	11/22/05 14:21 / rp
Boron	0.7	mg/kg		0.2		SW6010B	11/22/05 14:21 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 14:21 / rp

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ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110017-006  
 Client Sample ID: T2/LA-10-(60-96")

Report Date: 11/30/05  
 Collection Date: 10/25/05 17:00  
 Date Received: 10/27/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	4.95	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	32.1	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	9.5	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.32	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	10.1	meq/l		0.05		SW6010B	11/16/05 13:18 / rp
Magnesium, sat. paste	16.9	meq/l		0.08		SW6010B	11/16/05 13:18 / rp
Sodium, sat. paste	34.9	meq/l		0.04		SW6010B	11/16/05 13:18 / rp
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	61	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	25	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	14	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SL	unitless				ASA15-5	11/15/05 15:23 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	16.8	meq/100g		0.09		SW6010B	11/21/05 09:31 / jjm
Lime as CaCO3	8.4	%		0.1		USDA23c	11/16/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	1.91	meq/100g		0.04		SW6010B	11/17/05 10:36 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	4.7	%		0.1		USDA20a	11/15/05 15:23 / jjm

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP  
 Project: AMPP Tier II  
 Lab ID: H05110017-007  
 Client Sample ID: T2/LA-10-(0-2")

Report Date: 11/30/05  
 Collection Date: 10/25/05 17:00  
 Date Received: 10/27/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	6.6	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	2.41	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	61.4	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.49	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	12.6	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	19.4	meq/l		0.05		SW6010B	11/16/05 13:21 / rp
Magnesium, sat. paste	7.61	meq/l		0.08		SW6010B	11/16/05 13:21 / rp
Sodium, sat. paste	1.81	meq/l		0.04		SW6010B	11/16/05 13:21 / rp
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	34	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	45	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	21	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	31.9	meq/100g		0.09		SW6010B	11/21/05 09:34 / jjm
Lime as CaCO3	7.1	%		0.1		USDA23c	11/16/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	0.41	meq/100g		0.04		SW6010B	11/17/05 10:39 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	0.9	%		0.1		USDA20a	11/15/05 15:23 / jjm

Report Definitions: RL - Analyte reporting limit.  
 QCL - Quality control limit.

MCL - Maximum contaminant level.  
 ND - Not detected at the reporting limit.