



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-023
Client Sample ID: T2/EA-10-(0-6")

Report Date: 11/30/05
Collection Date: 10/26/05 17:00
Date Received: 10/31/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.3	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.14	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	57.6	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.69	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	9.54	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 12:08 / sld
SATURATED PASTE							
Calcium, sat. paste	6.40	meq/l		0.05		SW6010B	11/16/05 16:01 / rp
Magnesium, sat. paste	4.16	meq/l		0.08		SW6010B	11/16/05 16:01 / rp
Sodium, sat. paste	1.59	meq/l		0.04		SW6010B	11/16/05 16:01 / rp
Sulfate, sat. paste	1.73	meq/l		0.02		SW6010B	11/16/05 16:01 / rp
PHYSICAL CHARACTERISTICS							
Sand	19	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	56	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	25	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Potassium, NH4OAc Extractable	323	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	3.48	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	34.7	meq/100g		0.09		SW6010B	11/21/05 12:20 / jjm
Lime as CaCO3	7.0	%		0.1		USDA23c	11/17/05 00:00 / jjm
Phosphorus	9.1	mg/kg		0.8		ASA24-5	11/23/05 15:05 / rp
Nitrate + Nitrite as N, KCL Extract	11	mg/kg		1		ASA38-3	11/23/05 11:48 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.49	meq/100g		0.04		SW6010B	11/17/05 13:24 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.2	%		0.1		USDA20a	11/15/05 15:23 / jjm
METALS, DTPA EXTRACTABLE							
Zinc	1.03	mg/kg		0.02		SW6010B	11/22/05 16:43 / rp
METALS, CACL2 EXTRACTABLE							
Barium	1.0	mg/kg		0.2		SW6010B	11/22/05 15:11 / rp
Boron	0.6	mg/kg		0.2		SW6010B	11/22/05 15:11 / 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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Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, CACL2 EXTRACTABLE							
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:11 / rp

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LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-024
Client Sample ID: T2/EA-10-(6-12")

Report Date: 11/30/05
Collection Date: 10/26/05 17:00
Date Received: 10/31/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	0.91	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	46.3	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	4.91	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	0.6	mg/L		0.1		ASA10-3	11/16/05 12:10 / sld
SATURATED PASTE							
Calcium, sat. paste	4.54	meq/l		0.05		SW6010B	11/16/05 16:04 / rp
Magnesium, sat. paste	3.10	meq/l		0.08		SW6010B	11/16/05 16:04 / rp
Sodium, sat. paste	2.83	meq/l		0.04		SW6010B	11/16/05 16:04 / rp
Sulfate, sat. paste	4.58	meq/L		0.02		SW6010B	11/16/05 16:04 / rp
PHYSICAL CHARACTERISTICS							
Sand	23	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	53	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	24	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	30.3	meq/100g		0.09		SW6010B	11/21/05 12:23 / jjm
Lime as CaCO3	7.7	%		0.1		USDA23c	11/17/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	6	mg/kg		1		ASA38-3	11/23/05 11:50 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.65	meq/100g		0.04		SW6010B	11/17/05 13:27 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.7	%		0.1		USDA20a	11/15/05 15:23 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-025
Client Sample ID: T2-EA-10-(12-24")

Report Date: 11/30/05
Collection Date: 10/26/05 17:00
Date Received: 10/31/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.26	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	44.7	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	4.77	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	0.6	mg/L		0.1		ASA10-3	11/16/05 12:12 / sld
SATURATED PASTE							
Calcium, sat. paste	4.43	meq/l		0.05		SW6010B	11/16/05 16:07 / rp
Magnesium, sat. paste	3.55	meq/l		0.08		SW6010B	11/16/05 16:07 / rp
Sodium, sat. paste	4.62	meq/l		0.04		SW6010B	11/16/05 16:07 / rp
Sulfate, sat. paste	8.28	meq/L		0.02		SW6010B	11/16/05 16:07 / rp
PHYSICAL CHARACTERISTICS							
Sand	26	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	46	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	28	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	CL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	32.5	meq/100g		0.09		SW6010B	11/21/05 12:26 / jjm
Lime as CaCO3	7.8	%		0.1		USDA23c	11/17/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	5	mg/kg		1		ASA38-3	11/23/05 11:52 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.89	meq/100g		0.04		SW6010B	11/17/05 13:30 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	2.1	%		0.1		USDA20a	11/15/05 15:23 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-026
Client Sample ID: T2/EA-10-(24-36")

Report Date: 11/30/05
Collection Date: 10/26/05 17:00
Date Received: 10/31/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	3.14	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	51.5	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	3.2	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.06	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	12.3	meq/l		0.05		SW6010B	11/16/05 16:16 / rp
Magnesium, sat. paste	13.1	meq/l		0.08		SW6010B	11/16/05 16:16 / rp
Sodium, sat. paste	11.2	meq/l		0.04		SW6010B	11/16/05 16:16 / rp
PHYSICAL CHARACTERISTICS							
Sand	20	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	52	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	28	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiCL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	31.2	meq/100g		0.09		SW6010B	11/21/05 12:29 / jjm
Lime as CaCO3	9.9	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.46	meq/100g		0.04		SW6010B	11/17/05 13:33 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	2.8	%		0.1		USDA20a	11/15/05 15:23 / jjm

Report Definitions: RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110025-027
Client Sample ID: T2/EA-10-(36-60")

Report Date: 11/30/05
Collection Date: 10/26/05 17:00
Date Received: 10/31/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.8	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	4.74	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	43.1	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	6.3	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	2.46	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	14.7	meq/l		0.05		SW6010B	11/16/05 16:19 / rp
Magnesium, sat. paste	25.6	meq/l		0.08		SW6010B	11/16/05 16:19 / rp
Sodium, sat. paste	28.3	meq/l		0.04		SW6010B	11/16/05 16:19 / rp
PHYSICAL CHARACTERISTICS							
Sand	38	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	40	%		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
CHEMICAL CHARACTERISTICS							
Fluoride	1.1	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Cation Exchange Capacity	25.1	meq/100g		0.09		SW6010B	11/21/05 12:32 / jjm
Lime as CaCO3	9.3	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	2.08	meq/100g		0.04		SW6010B	11/17/05 13:36 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	3.4	%		0.1		USDA20a	11/15/05 15:23 / jjm
METALS, CaCl2 EXTRACTABLE							
Barium	ND	mg/kg		0.2		SW6010B	11/22/05 15:14 / rp
Boron	0.8	mg/kg		0.2		SW6010B	11/22/05 15:14 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:14 / rp

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LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110025-028
 Client Sample ID: T2/EA-10-(60-96")

Report Date: 11/30/05
 Collection Date: 10/26/05 17:00
 Date Received: 10/31/05
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.9	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	3.56	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	45.6	%		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
SATURATED PASTE							
Calcium, sat. paste	7.86	meq/l		0.05		SW6010B	11/16/05 16:22 / rp
Magnesium, sat. paste	17.7	meq/l		0.08		SW6010B	11/16/05 16:22 / rp
Sodium, sat. paste	21.6	meq/l		0.04		SW6010B	11/16/05 16:22 / rp
PHYSICAL CHARACTERISTICS							
Sand	38	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	34	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	28	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	CL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.8	meq/100g		0.09		SW6010B	11/21/05 12:35 / jjm
Lime as CaCO3	9.4	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.92	meq/100g		0.04		SW6010B	11/17/05 13:39 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	3.4	%		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: H05110025-029
Client Sample ID: T2/EA-10-(0-2")

Report Date: 11/30/05
Collection Date: 10/26/05 17:00
Date Received: 10/31/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.3	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.26	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	61.9	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.39	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	11.9	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	7.94	meq/l		0.05		SW6010B	11/16/05 16:25 / rp
Magnesium, sat. paste	5.39	meq/l		0.08		SW6010B	11/16/05 16:25 / rp
Sodium, sat. paste	1.00	meq/l		0.04		SW6010B	11/16/05 16:25 / rp
PHYSICAL CHARACTERISTICS							
Sand	22	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	52	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	26	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SiL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	33.8	meq/100g		0.09		SW6010B	11/21/05 12:38 / jjm
Lime as CaCO3	6.7	%		0.1		USDA23c	11/17/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.47	meq/100g		0.04		SW6010B	11/17/05 13:42 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.2	%		0.1		USDA20a	11/15/05 15:23 / jjm

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

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ND - Not detected at the reporting limit.