



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110017-016
Client Sample ID: T2/MA-10-(0-6")

Report Date: 11/30/05
Collection Date: 10/24/05 17:00
Date Received: 10/27/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.5	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	0.88	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	44.4	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.50	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	7.15	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 12:32 / sld
SATURATED PASTE							
Calcium, sat. paste	4.86	meq/l		0.05		SW6010B	11/16/05 14:03 / rp
Magnesium, sat. paste	2.65	meq/l		0.08		SW6010B	11/16/05 14:03 / rp
Sodium, sat. paste	0.97	meq/l		0.04		SW6010B	11/16/05 14:03 / rp
Sulfate, sat. paste	1.70	meq/l		0.02		SW6010B	11/16/05 14:03 / rp
PHYSICAL CHARACTERISTICS							
Sand	27	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	52	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	21	%		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	387	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	3.01	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	27.2	meq/100g		0.09		SW6010B	11/21/05 10:16 / jjm
Lime as CaCO3	9.1	%		0.1		USDA23c	11/16/05 00:00 / jjm
Phosphorus	6.1	mg/kg		0.8		ASA24-5	11/23/05 14:53 / rp
Nitrate + Nitrite as N, KCL Extract	18	mg/kg		1		ASA38-3	11/23/05 11:14 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.42	meq/100g		0.04		SW6010B	11/17/05 11:20 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.4	%		0.1		USDA20a	11/15/05 15:23 / jjm
METALS, DTPA EXTRACTABLE							
Zinc	1.44	mg/kg		0.02		SW6010B	11/22/05 16:19 / rp
METALS, CACL2 EXTRACTABLE							
Barium	1.2	mg/kg		0.2		SW6010B	11/22/05 14:30 / rp
Boron	0.6	mg/kg		0.2		SW6010B	11/22/05 14:30 / 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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Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
METALS, CACL2 EXTRACTABLE							
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 14:30 / rp

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

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ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110017-017
 Client Sample ID: T2/MA-10-(6-12")

Report Date: 11/30/05
 Collection Date: 10/24/05 17:00
 Date Received: 10/27/05
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.5	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	0.97	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	43.9	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	1.2	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	5.49	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	67	mg/L		1		ASA10-3	11/16/05 11:40 / sld
SATURATED PASTE							
Calcium, sat. paste	4.89	meq/l		0.05		SW6010B	11/16/05 14:12 / rp
Magnesium, sat. paste	3.20	meq/l		0.08		SW6010B	11/16/05 14:12 / rp
Sodium, sat. paste	2.49	meq/l		0.04		SW6010B	11/16/05 14:12 / rp
Sulfate, sat. paste	2.20	meq/l		0.02		SW6010B	11/16/05 14:12 / rp
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	52	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	20	%		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	27.1	meq/100g		0.09		SW6010B	11/21/05 10:19 / jjm
Lime as CaCO3	9.3	%		0.1		USDA23c	11/16/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	18	mg/kg		1		ASA38-3	11/23/05 12:54 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.60	meq/100g		0.04		SW6010B	11/17/05 11:29 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	1.8	%		0.1		USDA20a	11/15/05 15:23 / jjm

Report Definitions: RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110017-018
Client Sample ID: T2/MA-10-(12-24")

Report Date: 11/30/05
Collection Date: 10/24/05 17:00
Date Received: 10/27/05
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	1.68	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	43.6	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	1.8	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.76	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
Nitrate as N, sat. paste	1.6	mg/L		0.6		ASA10-3	11/16/05 12:34 / sld
SATURATED PASTE							
Calcium, sat. paste	5.84	meq/l		0.05		SW6010B	11/16/05 14:15 / rp
Magnesium, sat. paste	7.09	meq/l		0.08		SW6010B	11/16/05 14:15 / rp
Sodium, sat. paste	4.54	meq/l		0.04		SW6010B	11/16/05 14:15 / rp
Sulfate, sat. paste	13.9	meq/l		0.02		SW6010B	11/16/05 14:15 / rp
PHYSICAL CHARACTERISTICS							
Sand	26	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	54	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	20	%		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	25.3	meq/100g		0.09		SW6010B	11/21/05 10:28 / jjm
Lime as CaCO3	11.9	%		0.1		USDA23c	11/16/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	6	mg/kg		1		ASA38-3	11/23/05 11:22 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.84	meq/100g		0.04		SW6010B	11/17/05 11:32 / rp
EXCHANGEABLES							
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: H05110017-019
 Client Sample ID: T2/MA-10-(24-36")

Report Date: 11/30/05
 Collection Date: 10/24/05 17:00
 Date Received: 10/27/05
 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	4.00	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	44.5	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	2.7	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	3.03	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	9.13	meq/l		0.05		SW6010B	11/16/05 14:18 / rp
Magnesium, sat. paste	25.7	meq/l		0.08		SW6010B	11/16/05 14:18 / rp
Sodium, sat. paste	11.2	meq/l		0.04		SW6010B	11/16/05 14:18 / rp
PHYSICAL CHARACTERISTICS							
Sand	27	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	53	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	20	%		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	23.2	meq/100g		0.09		SW6010B	11/21/05 10:31 / jjm
Lime as CaCO3	10.5	%		0.1		USDA23c	11/16/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.38	meq/100g		0.04		SW6010B	11/17/05 11:35 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	3.8	%		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: H05110017-020
Client Sample ID: T2/MA-10-(36-60")

Report Date: 11/30/05
Collection Date: 10/24/05 17:00
Date Received: 10/27/05
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	3.27	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	39.8	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	2.89	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	6.64	meq/l		0.05		SW6010B	11/16/05 14:21 / rp
Magnesium, sat. paste	18.7	meq/l		0.08		SW6010B	11/16/05 14:21 / rp
Sodium, sat. paste	12.2	meq/l		0.04		SW6010B	11/16/05 14:21 / rp
PHYSICAL CHARACTERISTICS							
Sand	36	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	46	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	18	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	L	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.2	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Cation Exchange Capacity	19.3	meq/100g		0.09		SW6010B	11/21/05 10:34 / jjm
Lime as CaCO3	11.3	%		0.1		USDA23c	11/16/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.25	meq/100g		0.04		SW6010B	11/17/05 11:38 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	11/15/05 15:23 / jjm
Exchangeable Sodium Percentage	4.0	%		0.1		USDA20a	11/15/05 15:23 / jjm
METALS, CaCl2 EXTRACTABLE							
Barium	ND	mg/kg		0.2		SW6010B	11/22/05 14:33 / rp
Boron	0.6	mg/kg		0.2		SW6010B	11/22/05 14:33 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 14:33 / rp

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ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110017-021
 Client Sample ID: T2/MA-10-(60-96")

Report Date: 11/30/05
 Collection Date: 10/24/05 17:00
 Date Received: 10/27/05
 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	2.23	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	28.9	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	2.0	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	7.09	meq/l		0.05		SW6010B	11/16/05 14:26 / rp
Magnesium, sat. paste	11.7	meq/l		0.08		SW6010B	11/16/05 14:26 / rp
Sodium, sat. paste	6.14	meq/l		0.04		SW6010B	11/16/05 14:26 / rp
PHYSICAL CHARACTERISTICS							
Sand	71	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	19	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	10	%		1		ASA15-5	11/15/05 15:23 / jjm
Texture	SL	unitless				ASA15-5	11/15/05 15:23 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	15.7	meq/100g		0.09		SW6010B	11/21/05 10:39 / jjm
Lime as CaCO3	9.6	%		0.1		USDA23c	11/16/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.38	meq/100g		0.04		SW6010B	11/17/05 11:44 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.2	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

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: H05110017-022
Client Sample ID: T2/MA-10-(0-2")

Report Date: 11/30/05
Collection Date: 10/24/05 17:00
Date Received: 10/27/05
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
SATURATED PASTE							
pH, sat. paste	7.4	s.u.		0.1		ASAM10-3.2	11/15/05 15:23 / jjm
Conductivity, sat. paste	1.09	mmhos/cm		0.01		ASAM10-3	11/15/05 15:23 / jjm
Saturation	45.8	%		0.1		USDA27a	11/15/05 15:23 / jjm
Sodium Adsorption Ratio (SAR)	0.26	unitless		0.01		Calculation	11/15/05 15:23 / jjm
Bicarbonate, sat. paste	8.96	meq/L		0.02		ASA10-3	11/19/05 14:05 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.56	meq/l		0.05		SW6010B	11/16/05 14:29 / rp
Magnesium, sat. paste	3.52	meq/l		0.08		SW6010B	11/16/05 14:29 / rp
Sodium, sat. paste	0.56	meq/l		0.04		SW6010B	11/16/05 14:29 / rp
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	11/15/05 15:23 / jjm
Silt	50	%		1		ASA15-5	11/15/05 15:23 / jjm
Clay	22	%		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	27.0	meq/100g		0.09		SW6010B	11/21/05 10:42 / jjm
Lime as CaCO3	9.1	%		0.1		USDA23c	11/16/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.64	meq/100g		0.04		SW6010B	11/17/05 11:47 / rp
EXCHANGEABLES							
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

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

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