



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110027-016
Client Sample ID: T2/BA-10-(0-6")

Report Date: 11/30/05
Collection Date: 10/27/05 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	7.5	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	0.66	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	47.9	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	1.1	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	4.40	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.93	meq/l		0.05		SW6010B	11/19/05 20:12 / jjm
Magnesium, sat. paste	1.92	meq/l		0.08		SW6010B	11/19/05 20:12 / jjm
Sodium, sat. paste	1.87	meq/l		0.04		SW6010B	11/19/05 20:12 / jjm
PHYSICAL CHARACTERISTICS							
Sand	25	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	53	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	22	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SiL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.2	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Potassium, NH4OAc Extractable	135	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	2.67	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	27.9	meq/100g		0.09		SW6010B	11/21/05 14:13 / jjm
Lime as CaCO3	6.2	%		0.1		USDA23c	11/21/05 00:00 / jjm
Phosphorus	12	mg/kg		0.8		ASA24-5	11/23/05 15:23 / rp
Nitrate + Nitrite as N, KCL Extract	11	mg/kg		1		ASA38-3	11/23/05 12:22 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.52	meq/100g		0.04		SW6010B	11/17/05 16:10 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	1.5	%		0.1		USDA20a	11/16/05 08:41 / jjm
METALS, DTPA EXTRACTABLE							
Zinc	1.19	mg/kg		0.02		SW6010B	11/22/05 16:55 / rp
METALS, CACL2 EXTRACTABLE							
Barium	0.9	mg/kg		0.2		SW6010B	11/22/05 15:47 / rp
Boron	0.6	mg/kg		0.2		SW6010B	11/22/05 15:47 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:47 / rp

Report RL - Analyte reporting limit.
Definitions: 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: H05110027-017
Client Sample ID: T2/BA-10-(6-12")

Report Date: 11/30/05
Collection Date: 10/27/05 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	11/16/05 08:41 / jjm
Conductivity, sat. paste	0.92	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	44.1	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	1.5	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	4.20	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.03	meq/l		0.05		SW6010B	11/19/05 20:21 / jjm
Magnesium, sat. paste	2.83	meq/l		0.08		SW6010B	11/19/05 20:21 / jjm
Sodium, sat. paste	2.94	meq/l		0.04		SW6010B	11/19/05 20:21 / jjm
PHYSICAL CHARACTERISTICS							
Sand	27	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	53	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	20	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SiL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.0	meq/100g		0.09		SW6010B	11/21/05 14:16 / jjm
Lime as CaCO3	6.4	%		0.1		USDA23c	11/21/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	18	mg/kg		1		ASA38-3	11/23/05 12:24 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.64	meq/100g		0.04		SW6010B	11/17/05 16:18 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	2.2	%		0.1		USDA20a	11/16/05 08:41 / jjm

Report RL - Analyte reporting limit.
Definitions: 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: H05110027-018
 Client Sample ID: T2/BA-10-(12-24")

Report Date: 11/30/05
 Collection Date: 10/27/05 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	7.5	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	2.48	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	41.7	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	2.6	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	2.13	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	9.95	meq/l		0.05		SW6010B	11/19/05 20:30 / jjm
Magnesium, sat. paste	8.10	meq/l		0.08		SW6010B	11/19/05 20:30 / jjm
Sodium, sat. paste	7.67	meq/l		0.04		SW6010B	11/19/05 20:30 / jjm
PHYSICAL CHARACTERISTICS							
Sand	31	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	51	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	18	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SiL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	21.6	meq/100g		0.09		SW6010B	11/21/05 14:19 / jjm
Lime as CaCO3	6.8	%		0.1		USDA23c	11/21/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	52	mg/kg		1		ASA38-3	11/23/05 13:04 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.93	meq/100g		0.04		SW6010B	11/17/05 16:21 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	2.8	%		0.1		USDA20a	11/16/05 08:41 / 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: H05110027-019
Client Sample ID: T2/BA-10-(24-36")

Report Date: 11/30/05
Collection Date: 10/27/05 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	11/16/05 08:41 / jjm
Conductivity, sat. paste	2.10	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	34.3	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	3.3	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	2.40	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	7.47	meq/l		0.05		SW6010B	11/19/05 20:33 / jjm
Magnesium, sat. paste	5.96	meq/l		0.08		SW6010B	11/19/05 20:33 / jjm
Sodium, sat. paste	8.60	meq/l		0.04		SW6010B	11/19/05 20:33 / jjm
PHYSICAL CHARACTERISTICS							
Sand	53	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	35	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	12	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	15.9	meq/100g		0.09		SW6010B	11/21/05 14:22 / jjm
Lime as CaCO3	5.9	%		0.1		USDA23c	11/21/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.89	meq/100g		0.04		SW6010B	11/17/05 16:24 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	3.7	%		0.1		USDA20a	11/16/05 08:41 / 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: H05110027-020
Client Sample ID: T2/BA-10-(36-60")

Report Date: 11/30/05
Collection Date: 10/27/05 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	11/16/05 08:41 / jjm
Conductivity, sat. paste	1.59	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	38.6	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	2.9	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	2.26	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.79	meq/l		0.05		SW6010B	11/19/05 20:36 / jjm
Magnesium, sat. paste	4.18	meq/l		0.08		SW6010B	11/19/05 20:36 / jjm
Sodium, sat. paste	6.50	meq/l		0.04		SW6010B	11/19/05 20:36 / jjm
PHYSICAL CHARACTERISTICS							
Sand	47	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	41	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	12	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	L	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.0	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Cation Exchange Capacity	20.5	meq/100g		0.09		SW6010B	11/21/05 14:25 / jjm
Lime as CaCO3	6.2	%		0.1		USDA23c	11/21/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.85	meq/100g		0.04		SW6010B	11/17/05 16:27 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	2.9	%		0.1		USDA20a	11/16/05 08:41 / jjm
METALS, CaCl2 EXTRACTABLE							
Barium	0.3	mg/kg		0.2		SW6010B	11/22/05 15:50 / rp
Boron	0.6	mg/kg		0.2		SW6010B	11/22/05 15:50 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:50 / rp

Report RL - Analyte reporting limit.
Definitions: 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: H05110027-021
 Client Sample ID: T2/BA-10-(60-96")

Report Date: 11/30/05
 Collection Date: 10/27/05 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	11/16/05 08:41 / jjm
Conductivity, sat. paste	0.89	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	27.7	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	2.8	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	2.20	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.33	meq/l		0.05		SW6010B	11/19/05 20:42 / jjm
Magnesium, sat. paste	2.32	meq/l		0.08		SW6010B	11/19/05 20:42 / jjm
Sodium, sat. paste	4.76	meq/l		0.04		SW6010B	11/19/05 20:42 / jjm
PHYSICAL CHARACTERISTICS							
Sand	74	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	20	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	6	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	16.8	meq/100g		0.09		SW6010B	11/21/05 14:37 / jjm
Lime as CaCO3	5.8	%		0.1		USDA23c	11/21/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.68	meq/100g		0.04		SW6010B	11/17/05 16:33 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	3.3	%		0.1		USDA20a	11/16/05 08:41 / 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: H05110027-022
 Client Sample ID: T2/BA-10-(0-2")

Report Date: 11/30/05
 Collection Date: 10/27/05 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	7.5	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	0.66	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	47.6	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	0.72	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	5.06	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	4.43	meq/l		0.05		SW6010B	11/19/05 20:45 / jjm
Magnesium, sat. paste	2.19	meq/l		0.08		SW6010B	11/19/05 20:45 / jjm
Sodium, sat. paste	1.31	meq/l		0.04		SW6010B	11/19/05 20:45 / jjm
PHYSICAL CHARACTERISTICS							
Sand	24	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	52	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	24	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SiL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.4	meq/100g		0.09		SW6010B	11/21/05 14:40 / jjm
Lime as CaCO3	6.0	%		0.1		USDA23c	11/21/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.51	meq/100g		0.04		SW6010B	11/17/05 16:36 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	1.6	%		0.1		USDA20a	11/16/05 08:41 / jjm

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

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