



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110027-001
Client Sample ID: T2/DB-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	7.2	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	0.69	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	59.0	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	5.39	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.44	meq/l		0.05		SW6010B	11/19/05 19:19 / jjm
Magnesium, sat. paste	2.17	meq/l		0.08		SW6010B	11/19/05 19:19 / jjm
Sodium, sat. paste	2.38	meq/l		0.04		SW6010B	11/19/05 19:19 / jjm
PHYSICAL CHARACTERISTICS							
Sand	24	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	43	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	33	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	CL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Potassium, NH4OAc Extractable	195	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	2.91	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	39.4	meq/100g		0.09		SW6010B	11/21/05 13:13 / jjm
Lime as CaCO3	5.1	%		0.1		USDA23c	11/21/05 00:00 / jjm
Phosphorus	9.4	mg/kg		0.8		ASA24-5	11/23/05 15:11 / rp
Nitrate + Nitrite as N, KCL Extract	13	mg/kg		1		ASA38-3	11/23/05 12:04 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.75	meq/100g		0.04		SW6010B	11/17/05 15:10 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	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	1.40	mg/kg		0.02		SW6010B	11/22/05 16:49 / rp
METALS, CACL2 EXTRACTABLE							
Barium	0.9	mg/kg		0.2		SW6010B	11/22/05 15:35 / rp
Boron	0.8	mg/kg		0.2		SW6010B	11/22/05 15:35 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:35 / 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: H05110027-002
 Client Sample ID: T2/DB-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	48.6	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	3.0	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	5.19	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.86	meq/l		0.05		SW6010B	11/19/05 19:22 / jjm
Magnesium, sat. paste	2.34	meq/l		0.08		SW6010B	11/19/05 19:22 / jjm
Sodium, sat. paste	5.36	meq/l		0.04		SW6010B	11/19/05 19:22 / jjm
PHYSICAL CHARACTERISTICS							
Sand	26	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	46	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	28	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	CL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	34.5	meq/100g		0.09		SW6010B	11/21/05 13:16 / jjm
Lime as CaCO3	6.0	%		0.1		USDA23c	11/21/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	10	mg/kg		1		ASA38-3	11/23/05 12:06 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.02	meq/100g		0.04		SW6010B	11/17/05 15:13 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.8	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

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LABORATORY ANALYTICAL REPORT

Client: AMPP
 Project: AMPP Tier II
 Lab ID: H05110027-003
 Client Sample ID: T2/DB-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	7.6	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	1.86	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	41.0	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	4.9	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	4.80	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.87	meq/l		0.05		SW6010B	11/19/05 19:25 / jjm
Magnesium, sat. paste	4.28	meq/l		0.08		SW6010B	11/19/05 19:25 / jjm
Sodium, sat. paste	11.0	meq/l		0.04		SW6010B	11/19/05 19:25 / jjm
PHYSICAL CHARACTERISTICS							
Sand	36	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	46	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	18	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	L	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.2	meq/100g		0.09		SW6010B	11/21/05 13:25 / jjm
Lime as CaCO3	7.8	%		0.1		USDA23c	11/21/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	6	mg/kg		1		ASA38-3	11/23/05 12:08 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.18	meq/100g		0.04		SW6010B	11/17/05 15:16 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	3.1	%		0.1		USDA20a	11/16/05 08:41 / jjm

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LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110027-004
Client Sample ID: T2/DB-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	2.05	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	38.4	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	4.4	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	3.00	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	6.28	meq/l		0.05		SW6010B	11/19/05 19:28 / jjm
Magnesium, sat. paste	5.36	meq/l		0.08		SW6010B	11/19/05 19:28 / jjm
Sodium, sat. paste	10.7	meq/l		0.04		SW6010B	11/19/05 19:28 / jjm
PHYSICAL CHARACTERISTICS							
Sand	52	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	36	%		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							
Cation Exchange Capacity	17.1	meq/100g		0.09		SW6010B	11/21/05 13:28 / jjm
Lime as CaCO3	7.8	%		0.1		USDA23c	11/21/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.98	meq/100g		0.04		SW6010B	11/17/05 15:19 / 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

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ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110027-005
Client Sample ID: T2/DB-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	1.66	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	31.9	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	3.20	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.00	meq/l		0.05		SW6010B	11/19/05 19:31 / jjm
Magnesium, sat. paste	4.91	meq/l		0.08		SW6010B	11/19/05 19:31 / jjm
Sodium, sat. paste	7.51	meq/l		0.04		SW6010B	11/19/05 19:31 / jjm
PHYSICAL CHARACTERISTICS							
Sand	65	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	26	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	9	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Cation Exchange Capacity	13.0	meq/100g		0.09		SW6010B	11/21/05 13:31 / jjm
Lime as CaCO3	7.5	%		0.1		USDA23c	11/21/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.78	meq/100g		0.04		SW6010B	11/17/05 15:22 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	4.2	%		0.1		USDA20a	11/16/05 08:41 / jjm
METALS, CaCl2 EXTRACTABLE							
Barium	0.3	mg/kg		0.2		SW6010B	11/22/05 15:38 / rp
Boron	0.6	mg/kg		0.2		SW6010B	11/22/05 15:38 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 15:38 / 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: H05110027-006
Client Sample ID: T2/DB-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	7.7	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	2.63	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	31.9	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	6.2	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	6.31	meq/l		0.05		SW6010B	11/19/05 19:34 / jjm
Magnesium, sat. paste	7.12	meq/l		0.08		SW6010B	11/19/05 19:34 / jjm
Sodium, sat. paste	16.0	meq/l		0.04		SW6010B	11/19/05 19:34 / jjm
PHYSICAL CHARACTERISTICS							
Sand	67	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	25	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	8	%		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	12.0	meq/100g		0.09		SW6010B	11/21/05 13:34 / jjm
Lime as CaCO3	7.2	%		0.1		USDA23c	11/21/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.11	meq/100g		0.04		SW6010B	11/17/05 15:25 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	5.0	%		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: H05110027-007
Client Sample ID: T2/DB-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	7.0	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	0.84	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	62.4	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	0.90	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	7.06	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.14	meq/l		0.05		SW6010B	11/19/05 19:36 / jjm
Magnesium, sat. paste	3.33	meq/l		0.08		SW6010B	11/19/05 19:36 / jjm
Sodium, sat. paste	1.85	meq/l		0.04		SW6010B	11/19/05 19:36 / jjm
PHYSICAL CHARACTERISTICS							
Sand	22	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	43	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	35	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	CL	unitless				ASA15-5	11/16/05 08:41 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	44.0	meq/100g		0.09		SW6010B	11/21/05 13:37 / jjm
Lime as CaCO3	5.4	%		0.1		USDA23c	11/21/05 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.61	meq/100g		0.04		SW6010B	11/17/05 15:28 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	1.2	%		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.