



LABORATORY ANALYTICAL REPORT

Client: AMPP  
Project: AMPP Tier II  
Lab ID: H05110027-023  
Client Sample ID: T2/YBA-10-(0-6")

Report Date: 11/30/05  
Collection Date: 10/28/05 17:00  
Date Received: 10/31/05  
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	11/16/05 08:41 / jjm
Conductivity, sat. paste	0.79	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	46.8	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	1.6	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	5.73	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	4.76	meq/l		0.05		SW6010B	11/19/05 20:47 / jjm
Magnesium, sat. paste	1.92	meq/l		0.08		SW6010B	11/19/05 20:47 / jjm
Sodium, sat. paste	2.96	meq/l		0.04		SW6010B	11/19/05 20:47 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	20	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	57	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	23	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SiL	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Fluoride	1.4	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Potassium, NH4OAc Extractable	161	mg/kg		1		ASA13-3	11/29/05 00:00 / jjm
Organic Matter	2.14	%		0.02		ASA29-3	11/15/05 12:10 / jjm
Cation Exchange Capacity	35.3	meq/100g		0.09		SW6010B	11/21/05 14:43 / jjm
Lime as CaCO3	6.7	%		0.1		USDA23c	11/21/05 00:00 / jjm
Phosphorus	11	mg/kg		0.8		ASA24-5	11/23/05 15:26 / rp
Nitrate + Nitrite as N, KCL Extract	22	mg/kg		1		ASA38-3	11/23/05 13:06 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	0.74	meq/100g		0.04		SW6010B	11/17/05 16:39 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	1.7	%		0.1		USDA20a	11/16/05 08:41 / jjm
<b>METALS, DTPA EXTRACTABLE</b>							
Zinc	0.60	mg/kg		0.02		SW6010B	11/22/05 16:58 / rp
<b>METALS, CACL2 EXTRACTABLE</b>							
Barium	1.0	mg/kg		0.2		SW6010B	11/22/05 16:02 / rp
Boron	0.6	mg/kg		0.2		SW6010B	11/22/05 16:02 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 16:02 / 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: H05110027-024  
 Client Sample ID: T2/YBA-10-(6-12")

Report Date: 11/30/05  
 Collection Date: 10/28/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	1.30	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	47.0	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	2.5	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	4.26	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	6.54	meq/l		0.05		SW6010B	11/19/05 20:50 / jjm
Magnesium, sat. paste	2.86	meq/l		0.08		SW6010B	11/19/05 20:50 / jjm
Sodium, sat. paste	5.39	meq/l		0.04		SW6010B	11/19/05 20:50 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	18	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	58	%		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
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	30.4	meq/100g		0.09		SW6010B	11/21/05 14:45 / jjm
Lime as CaCO3	7.3	%		0.1		USDA23c	11/21/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	18	mg/kg		1		ASA38-3	11/23/05 12:30 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	0.94	meq/100g		0.04		SW6010B	11/17/05 16:42 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	2.3	%		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: H05110027-025  
 Client Sample ID: T2/YBA-10-(12-24")

Report Date: 11/30/05  
 Collection Date: 10/28/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	2.40	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	44.8	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	4.2	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	2.93	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	9.68	meq/l		0.05		SW6010B	11/19/05 20:53 / jjm
Magnesium, sat. paste	6.75	meq/l		0.08		SW6010B	11/19/05 20:53 / jjm
Sodium, sat. paste	12.1	meq/l		0.04		SW6010B	11/19/05 20:53 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	21	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	59	%		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
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	30.4	meq/100g		0.09		SW6010B	11/21/05 14:48 / jjm
Lime as CaCO3	7.7	%		0.1		USDA23c	11/21/05 00:00 / jjm
Nitrate + Nitrite as N, KCL Extract	19	mg/kg		1		ASA38-3	11/23/05 12:32 / sld
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	1.56	meq/100g		0.04		SW6010B	11/17/05 16:45 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	1.0	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	3.4	%		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: H05110027-026  
Client Sample ID: T2/YBA-10-(24-36")

Report Date: 11/30/05  
Collection Date: 10/28/05 17:00  
Date Received: 10/31/05  
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	11/16/05 08:41 / jjm
Conductivity, sat. paste	3.33	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	44.0	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	7.0	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
<b>SATURATED PASTE</b>							
Calcium, sat. paste	10.9	meq/l		0.05		SW6010B	11/19/05 21:08 / jjm
Magnesium, sat. paste	8.20	meq/l		0.08		SW6010B	11/19/05 21:08 / jjm
Sodium, sat. paste	21.6	meq/l		0.04		SW6010B	11/19/05 21:08 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	21	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	60	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	19	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SiL	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	30.8	meq/100g		0.09		SW6010B	11/21/05 14:51 / jjm
Lime as CaCO3	7.0	%		0.1		USDA23c	11/21/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	2.21	meq/100g		0.04		SW6010B	11/17/05 16:54 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	1.3	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	4.1	%		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: H05110027-027  
Client Sample ID: T2/YBA-10-(36-60")

Report Date: 11/30/05  
Collection Date: 10/28/05 17:00  
Date Received: 10/31/05  
Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	8.0	s.u.		0.1		ASAM10-3.2	11/16/05 08:41 / jjm
Conductivity, sat. paste	2.36	mmhos/cm		0.01		ASAM10-3	11/16/05 08:41 / jjm
Saturation	52.6	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	13	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
<b>SATURATED PASTE</b>							
Calcium, sat. paste	3.21	meq/l		0.05		SW6010B	11/19/05 21:11 / jjm
Magnesium, sat. paste	2.18	meq/l		0.08		SW6010B	11/19/05 21:11 / jjm
Sodium, sat. paste	21.3	meq/l		0.04		SW6010B	11/19/05 21:11 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	21	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	54	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	25	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	SiL	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Fluoride	2.5	mg/kg		1.0		A4500-F C	11/23/05 00:00 / jjm
Cation Exchange Capacity	24.8	meq/100g		0.09		SW6010B	11/21/05 14:54 / jjm
Lime as CaCO3	6.3	%		0.1		USDA23c	11/21/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	3.24	meq/100g		0.04		SW6010B	11/17/05 16:57 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	2.1	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	8.5	%		0.1		USDA20a	11/16/05 08:41 / jjm
<b>METALS, CaCl2 EXTRACTABLE</b>							
Barium	ND	mg/kg		0.2		SW6010B	11/22/05 16:05 / rp
Boron	1.1	mg/kg		0.2		SW6010B	11/22/05 16:05 / rp
Selenium	ND	mg/kg		0.1		SW6010B	11/22/05 16:05 / rp

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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: H05110027-028  
 Client Sample ID: T2/YBA-10-(60-96")

Report Date: 11/30/05  
 Collection Date: 10/28/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	8.1	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	57.1	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	18	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
<b>SATURATED PASTE</b>							
Calcium, sat. paste	1.44	meq/l		0.05		SW6010B	11/19/05 21:14 / jjm
Magnesium, sat. paste	0.87	meq/l		0.08		SW6010B	11/19/05 21:14 / jjm
Sodium, sat. paste	19.6	meq/l		0.04		SW6010B	11/19/05 21:14 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	21	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	48	%		1		ASA15-5	11/16/05 08:41 / jjm
Clay	31	%		1		ASA15-5	11/16/05 08:41 / jjm
Texture	CL	unitless				ASA15-5	11/16/05 08:41 / jjm
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	26.9	meq/100g		0.09		SW6010B	11/21/05 14:57 / jjm
Lime as CaCO3	5.5	%		0.1		USDA23c	11/21/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	5.35	meq/100g		0.04		SW6010B	11/17/05 17:00 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	4.2	meq/100g		0.1		Calculation	11/16/05 08:41 / jjm
Exchangeable Sodium Percentage	16	%		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: H05110027-029  
 Client Sample ID: T2/YBA-10-(0-2")

Report Date: 11/30/05  
 Collection Date: 10/28/05 17:00  
 Date Received: 10/31/05  
 Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>SATURATED PASTE</b>							
pH, sat. paste	7.4	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	46.5	%		0.1		USDA27a	11/16/05 08:41 / jjm
Sodium Adsorption Ratio (SAR)	0.96	unitless		0.01		Calculation	11/16/05 08:41 / jjm
Bicarbonate, sat. paste	6.99	meq/L		0.02		ASA10-3	11/22/05 14:33 / jjm
<b>SATURATED PASTE</b>							
Calcium, sat. paste	6.14	meq/l		0.05		SW6010B	11/19/05 21:17 / jjm
Magnesium, sat. paste	2.30	meq/l		0.08		SW6010B	11/19/05 21:17 / jjm
Sodium, sat. paste	1.98	meq/l		0.04		SW6010B	11/19/05 21:17 / jjm
<b>PHYSICAL CHARACTERISTICS</b>							
Sand	19	%		1		ASA15-5	11/16/05 08:41 / jjm
Silt	59	%		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
<b>CHEMICAL CHARACTERISTICS</b>							
Cation Exchange Capacity	35.6	meq/100g		0.09		SW6010B	11/21/05 15:00 / jjm
Lime as CaCO3	6.7	%		0.1		USDA23c	11/21/05 00:00 / jjm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Sodium, Extractable	0.51	meq/100g		0.04		SW6010B	11/17/05 17:03 / rp
<b>EXCHANGEABLES</b>							
Exchangeable Sodium	0.4	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

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 ND - Not detected at the reporting limit.