



LABORATORY ANALYTICAL REPORT

Client: AMPP

Project:

Lab ID: B03100646-003

Client Sample ID: TIGC:Flood Spots, 0-6 in

Report Date: 11/03/03

Collection Date: 10/08/03 15:00

Date Received: 10/10/03

Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>PHYSICAL CHARACTERISTICS</b>							
Texture	SiC					ASA15-5	10/24/03 13:18 / srm
- C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y)							
<b>SATURATED PASTE</b>							
pH, sat. paste	7.8	s.u.		0.1		ASAM10-3.2	10/22/03 13:41 / srm
Conductivity, Saturated Paste	0.87	mmhos/cm		0.01		ASA10-3	10/22/03 13:41 / srm
Saturation	69.8	wt%		0.1		USDA27a	10/22/03 13:41 / srm
Calcium, sat. paste	4.29	meq/l		0.01		SW6010B	10/23/03 16:06 / rth
Magnesium, sat. paste	3.12	meq/l		0.01		SW6010B	10/23/03 16:06 / rth
Sodium, sat. paste	2.45	meq/l		0.01		SW6010B	10/23/03 16:06 / rth
Sodium Adsorption Ratio (SAR)	1.27	unitless		0.01		Calculation	10/24/03 13:18 / srm
<b>CHEMICAL CHARACTERISTICS</b>							
Lime as CaCO <sub>3</sub> , %	8.2	wt%		0.1		USDA23c	10/24/03 13:18 / srm
Sulfate as S	48	mg/kg		1		ASA10-3	10/22/03 02:50 / jb
Phosphorus, Olsen	2	mg/kg		1		ASA24-5	10/17/03 09:40 / srm
Nitrate as N, KCL Extract	2	mg/kg		1		ASA38-3	10/17/03 11:41 / srm
Nitrate as N, KCL Extract	4	lbs/acre		1		Calculation	10/17/03 13:21 / srm
Organic Matter	1.83	wt%		0.02		ASA29-3	10/22/03 13:41 / srm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Potassium	230	mg/kg	B	10		SW6010B	10/21/03 03:39 / rth

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

B - The analyte was detected in the method blank.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP

Project:

Lab ID: B03100646-004

Client Sample ID: TIGC:Flood Spots, 6-24 in

Report Date: 11/03/03

Collection Date: 10/08/03 15:00

Date Received: 10/10/03

Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>PHYSICAL CHARACTERISTICS</b>							
Texture	SiC					ASA15-5	10/24/03 13:18 / srm
- C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y)							
<b>SATURATED PASTE</b>							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	10/22/03 13:41 / srm
Conductivity, Saturated Paste	0.67	mmhos/cm		0.01		ASA10-3	10/22/03 13:41 / srm
Saturation	70.4	wt%		0.1		USDA27a	10/22/03 13:41 / srm
Calcium, sat. paste	4.15	meq/l		0.01		SW6010B	10/23/03 16:10 / rth
Magnesium, sat. paste	2.61	meq/l		0.01		SW6010B	10/23/03 16:10 / rth
Sodium, sat. paste	1.34	meq/l		0.01		SW6010B	10/23/03 16:10 / rth
Sodium Adsorption Ratio (SAR)	0.73	unitless		0.01		Calculation	10/24/03 13:18 / srm
<b>CHEMICAL CHARACTERISTICS</b>							
Sulfate as S	14	mg/kg		1		ASA10-3	10/22/03 03:01 / jb
Nitrate as N, KCL Extract	4	mg/kg		1		ASA38-3	10/17/03 11:43 / srm
Nitrate as N, KCL Extract	26	lbs/acre		1		Calculation	10/17/03 13:21 / srm

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:

Lab ID: B03100646-005

Client Sample ID: TIGC:SR, 0-6 in

Report Date: 11/03/03

Collection Date: 10/08/03 16:00

Date Received: 10/10/03

Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>PHYSICAL CHARACTERISTICS</b>							
Texture	CL					ASA15-5	10/24/03 13:18 / srm
- C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y)							
<b>SATURATED PASTE</b>							
pH, sat. paste	7.4	s.u.		0.1		ASAM10-3.2	10/22/03 13:41 / srm
Conductivity, Saturated Paste	1.09	mmhos/cm		0.01		ASA10-3	10/22/03 13:41 / srm
Saturation	47.2	wt%		0.1		USDA27a	10/22/03 13:41 / srm
Calcium, sat. paste	5.98	meq/l		0.01		SW6010B	10/23/03 16:19 / rth
Magnesium, sat. paste	4.92	meq/l		0.01		SW6010B	10/23/03 16:19 / rth
Sodium, sat. paste	2.67	meq/l		0.01		SW6010B	10/23/03 16:19 / rth
Sodium Adsorption Ratio (SAR)	1.14	unitless		0.01		Calculation	10/24/03 13:18 / srm
<b>CHEMICAL CHARACTERISTICS</b>							
Lime as CaCO <sub>3</sub> , %	3.0	wt%		0.1		USDA23c	10/24/03 13:18 / srm
Sulfate as S	8	mg/kg		1		ASA10-3	10/22/03 03:12 / jb
Phosphorus, Olsen	11	mg/kg		1		ASA24-5	10/17/03 09:41 / srm
Nitrate as N, KCL Extract	ND	mg/kg		1		ASA38-3	10/17/03 11:43 / srm
Nitrate as N, KCL Extract	2	lbs/acre		1		Calculation	10/17/03 13:21 / srm
Organic Matter	2.40	wt%		0.02		ASA29-3	10/22/03 13:41 / srm
<b>METALS, AMMONIUM ACETATE EXTRACTABLE</b>							
Potassium	260	mg/kg	B	10		SW6010B	10/21/03 03:48 / rth

Report Definitions: RL - Analyte reporting limit.

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B - The analyte was detected in the method blank.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: AMPP

Project:

Lab ID: B03100646-006

Client Sample ID: TIGC:SR, 6-24 in

Report Date: 11/03/03

Collection Date: 10/08/03 16:00

Date Received: 10/10/03

Matrix: Soil

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>PHYSICAL CHARACTERISTICS</b>							
Texture	CL					ASA15-5	10/24/03 13:18 / srm
- C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y)							
<b>SATURATED PASTE</b>							
pH, sat. paste	7.8	s.u.		0.1		ASAM10-3.2	10/22/03 13:41 / srm
Conductivity, Saturated Paste	0.70	mmhos/cm		0.01		ASA10-3	10/22/03 13:41 / srm
Saturation	46.5	wt%		0.1		USDA27a	10/22/03 13:41 / srm
Calcium, sat. paste	3.34	meq/l		0.01		SW6010B	10/23/03 16:23 / rth
Magnesium, sat. paste	2.66	meq/l		0.01		SW6010B	10/23/03 16:23 / rth
Sodium, sat. paste	2.14	meq/l		0.01		SW6010B	10/23/03 16:23 / rth
Sodium Adsorption Ratio (SAR)	1.24	unitless		0.01		Calculation	10/24/03 13:18 / srm
<b>CHEMICAL CHARACTERISTICS</b>							
Sulfate as S	15	mg/kg		1		ASA10-3	10/22/03 03:23 / jb
Nitrate as N, KCL Extract	1	mg/kg		1		ASA38-3	10/17/03 11:44 / srm
Nitrate as N, KCL Extract	8	lbs/acre		1		Calculation	10/17/03 13:21 / srm

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

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