



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: trip - Tier II (formerly referred to as AMPP)
Lab ID: H06120209-001
Client Sample ID: T2/BHA-10-(0-6")

Report Date: 01/17/07
Collection Date: 12/26/06 17:00
Date Received: 12/28/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH-SatPst	7.5	s.u.		0.1		ASAM10-3.2	01/07/07 14:01 / jjm
COND	0.92	mmhos/cm		0.01		ASAM10-3	01/07/07 14:01 / jjm
Percent Sat	57.6	%		0.1		USDA27a	01/07/07 14:01 / jjm
SAR	2.2	unitless		0.01		Calculation	01/07/07 14:01 / jjm
HCO3 SatPst	2.40	meq/L		0.02		ASA10-3	01/09/07 13:05 / jjm
SATURATED PASTE							
Ca-SatPst	4.11	meq/l		0.05		SW6010B	01/17/07 09:33 / rp
Mg-SatPst	1.77	meq/l		0.08		SW6010B	01/17/07 09:33 / rp
Na-SatPst	3.72	meq/l		0.04		SW6010B	01/17/07 09:33 / rp
SO4-SatPst	5.71	meq/l		0.02		SW6010B	01/17/07 09:33 / rp
Cl-SatPst	0.75	meq/L		0.03		SW6010B	01/17/07 09:33 / rp
PHYSICAL CHARACTERISTICS							
Sand	14	%		1		ASA15-5	01/07/07 14:01 / jjm
Silt	41	%		1		ASA15-5	01/07/07 14:01 / jjm
Clay	45	%		1		ASA15-5	01/07/07 14:01 / jjm
Texture	SiC	unitless				ASA15-5	01/07/07 14:01 / jjm
CHEMICAL CHARACTERISTICS							
F	< 1.0	mg/kg		1.0		A4500-F C	01/15/07 10:45 / abb
K-NH4OAc	49	mg/kg		1		ASA13-3	01/17/07 00:00 / jjm
OM-WB	1.03	%		0.02		ASA29-3	01/05/07 16:02 / skr
CEC	38.9	meq/100g		0.09		SW6010B	01/15/07 09:44 / rp
Lime	2.6	%		0.1		USDA23c	01/08/07 00:00 / jjm
P	19	mg/kg		0.1		ASA24-5	01/17/07 11:19 / sld
NO3	8.2	mg/kg		1.0		ASA38-3	01/08/07 14:00 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Na-Ext	1.23	meq/100g		0.04		SW6010B	01/12/07 13:16 / rp
EXCHANGEABLES							
Exch Na	1.0	meq/100g		0.1		Calculation	01/07/07 14:01 / jjm
ESP	2.6	%		0.1		USDA20a	01/07/07 14:01 / jjm
METALS, DTPA EXTRACTABLE							
Zn-DTPA	1.20	mg/L		0.02		SW6010B	01/17/07 11:11 / rp
METALS, CACL2 EXTRACTABLE							
Ba-H2O	0.70	mg/kg		0.20		SW6010B	01/17/07 11:05 / rp
B-H2O	0.51	mg/kg		0.20		SW6010B	01/17/07 11:05 / rp

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

MCL - Maximum contaminant level.
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DateReceived: 12/28/06
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Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Se-H2O	0.029	mg/kg		0.010		SW6010B	01/17/07 11:05 / rp

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: trip - Tier II (formerly referred to as AMPP)
Lab ID: H06120209-002
Client Sample ID: T2/BHA-10-(6-12")

Report Date: 01/17/07
Collection Date: 12/26/06 17:00
Date Received: 12/28/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH-SatPst	7.6	s.u.		0.1		ASAM10-3.2	01/07/07 14:01 / jjm
COND	0.83	mmhos/cm		0.01		ASAM10-3	01/07/07 14:01 / jjm
Percent Sat	55.9	%		0.1		USDA27a	01/07/07 14:01 / jjm
SAR	2.1	unitless		0.01		Calculation	01/07/07 14:01 / jjm
HCO3 SatPst	2.40	meq/L		0.02		ASA10-3	01/09/07 13:05 / jjm
SATURATED PASTE							
Ca-SatPst	3.67	meq/l		0.05		SW6010B	01/17/07 09:36 / rp
Mg-SatPst	1.62	meq/l		0.08		SW6010B	01/17/07 09:36 / rp
Na-SatPst	3.47	meq/l		0.04		SW6010B	01/17/07 09:36 / rp
SO4-SatPst	5.70	meq/l		0.02		SW6010B	01/17/07 09:36 / rp
Cl-SatPst	0.24	meq/L		0.03		SW6010B	01/17/07 09:36 / rp
PHYSICAL CHARACTERISTICS							
Sand	12	%		1		ASA15-5	01/07/07 14:01 / jjm
Silt	43	%		1		ASA15-5	01/07/07 14:01 / jjm
Clay	45	%		1		ASA15-5	01/07/07 14:01 / jjm
Texture	SiC	unitless				ASA15-5	01/07/07 14:01 / jjm
CHEMICAL CHARACTERISTICS							
CEC	37.5	meq/100g		0.09		SW6010B	01/15/07 09:47 / rp
Lime	3.6	%		0.1		USDA23c	01/08/07 00:00 / jjm
NO3	5.5	mg/kg		1.0		ASA38-3	01/08/07 14:02 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Na-Ext	1.33	meq/100g		0.04		SW6010B	01/12/07 13:19 / rp
EXCHANGEABLES							
Exch Na	1.1	meq/100g		0.1		Calculation	01/07/07 14:01 / jjm
ESP	3.0	%		0.1		USDA20a	01/07/07 14:01 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: trip - Tier II (formerly referred to as AMPP)
Lab ID: H06120209-003
Client Sample ID: T2/BHA-10-(12-24")

Report Date: 01/17/07
Collection Date: 12/26/06 17:00
Date Received: 12/28/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH-SatPst	7.8	s.u.		0.1		ASAM10-3.2	01/07/07 14:01 / jjm
COND	0.82	mmhos/cm		0.01		ASAM10-3	01/07/07 14:01 / jjm
Percent Sat	64.1	%		0.1		USDA27a	01/07/07 14:01 / jjm
SAR	2.3	unitless		0.01		Calculation	01/07/07 14:01 / jjm
HCO3 SatPst	2.40	meq/L		0.02		ASA10-3	01/09/07 13:05 / jjm
SATURATED PASTE							
Ca-SatPst	3.04	meq/l		0.05		SW6010B	01/17/07 09:39 / rp
Mg-SatPst	1.55	meq/l		0.08		SW6010B	01/17/07 09:39 / rp
Na-SatPst	3.52	meq/l		0.04		SW6010B	01/17/07 09:39 / rp
SO4-SatPst	5.82	meq/l		0.02		SW6010B	01/17/07 09:39 / rp
Cl-SatPst	0.15	meq/L		0.03		SW6010B	01/17/07 09:39 / rp
PHYSICAL CHARACTERISTICS							
Sand	9	%		1		ASA15-5	01/07/07 14:01 / jjm
Silt	44	%		1		ASA15-5	01/07/07 14:01 / jjm
Clay	47	%		1		ASA15-5	01/07/07 14:01 / jjm
Texture	SiC	unitless				ASA15-5	01/07/07 14:01 / jjm
CHEMICAL CHARACTERISTICS							
CEC	32.3	meq/100g		0.09		SW6010B	01/15/07 09:50 / rp
Lime	5.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
NO3	3.9	mg/kg		1.0		ASA38-3	01/08/07 14:04 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Na-Ext	1.47	meq/100g		0.04		SW6010B	01/12/07 13:22 / rp
EXCHANGEABLES							
Exch Na	1.2	meq/100g		0.1		Calculation	01/07/07 14:01 / jjm
ESP	3.8	%		0.1		USDA20a	01/07/07 14:01 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: trip - Tier II (formerly referred to as AMPP)
Lab ID: H06120209-004
Client Sample ID: T2/BHA-10-(24-36")

Report Date: 01/17/07
Collection Date: 12/26/06 17:00
Date Received: 12/28/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH-SatPst	7.6	s.u.		0.1		ASAM10-3.2	01/07/07 14:01 / jjm
COND	3.81	mmhos/cm		0.01		ASAM10-3	01/07/07 14:01 / jjm
Percent Sat	59.4	%		0.1		USDA27a	01/07/07 14:01 / jjm
SAR	1.9	unitless		0.01		Calculation	01/07/07 14:01 / jjm
HCO3 SatPst	1.60	meq/L		0.02		ASA10-3	01/09/07 13:05 / jjm
SATURATED PASTE							
Ca-SatPst	26.8	meq/l		0.05		SW6010B	01/17/07 09:47 / rp
Mg-SatPst	11.9	meq/l		0.08		SW6010B	01/17/07 09:47 / rp
Na-SatPst	8.17	meq/l		0.04		SW6010B	01/17/07 09:47 / rp
Cl-SatPst	0.75	meq/L		0.03		SW6010B	01/17/07 09:47 / rp
PHYSICAL CHARACTERISTICS							
Sand	7	%		1		ASA15-5	01/07/07 14:01 / jjm
Silt	45	%		1		ASA15-5	01/07/07 14:01 / jjm
Clay	48	%		1		ASA15-5	01/07/07 14:01 / jjm
Texture	SiC	unitless				ASA15-5	01/07/07 14:01 / jjm
CHEMICAL CHARACTERISTICS							
CEC	28.7	meq/100g		0.09		SW6010B	01/15/07 09:53 / rp
Lime	4.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Na-Ext	1.34	meq/100g		0.04		SW6010B	01/12/07 13:25 / rp
EXCHANGEABLES							
Exch Na	0.8	meq/100g		0.1		Calculation	01/07/07 14:01 / jjm
ESP	3.0	%		0.1		USDA20a	01/07/07 14:01 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: trip - Tier II (formerly referred to as AMPP)
Lab ID: H06120209-005
Client Sample ID: T2/BHA-10-(36-60"

Report Date: 01/17/07
Collection Date: 12/26/06 17:00
Date Received: 12/28/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH-SatPst	7.6	s.u.		0.1		ASAM10-3.2	01/07/07 14:01 / jjm
COND	4.39	mmhos/cm		0.01		ASAM10-3	01/07/07 14:01 / jjm
Percent Sat	47.6	%		0.1		USDA27a	01/07/07 14:01 / jjm
SAR	2.6	unitless		0.01		Calculation	01/07/07 14:01 / jjm
HCO3 SatPst	1.60	meq/L		0.02		ASA10-3	01/09/07 13:05 / jjm
SATURATED PASTE							
Ca-SatPst	33.0	meq/l		0.05		SW6010B	01/17/07 09:50 / rp
Mg-SatPst	14.8	meq/l		0.08		SW6010B	01/17/07 09:50 / rp
Na-SatPst	12.8	meq/l		0.04		SW6010B	01/17/07 09:50 / rp
Cl-SatPst	0.82	meq/L		0.03		SW6010B	01/17/07 09:50 / rp
PHYSICAL CHARACTERISTICS							
Sand	18	%		1		ASA15-5	01/07/07 14:01 / jjm
Silt	51	%		1		ASA15-5	01/07/07 14:01 / jjm
Clay	31	%		1		ASA15-5	01/07/07 14:01 / jjm
Texture	SiCL	unitless				ASA15-5	01/07/07 14:01 / jjm
CHEMICAL CHARACTERISTICS							
F	1.6	mg/kg		1.0		A4500-F C	01/15/07 10:45 / abb
CEC	24.6	meq/100g		0.09		SW6010B	01/15/07 09:56 / rp
Lime	3.7	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Na-Ext	1.26	meq/100g		0.04		SW6010B	01/12/07 13:28 / rp
EXCHANGEABLES							
Exch Na	0.6	meq/100g		0.1		Calculation	01/07/07 14:01 / jjm
ESP	2.6	%		0.1		USDA20a	01/07/07 14:01 / jjm
METALS, CACL2 EXTRACTABLE							
Ba-H2O	< 0.20	mg/kg		0.20		SW6010B	01/17/07 11:08 / rp
B-H2O	0.52	mg/kg		0.20		SW6010B	01/17/07 11:08 / rp
Se-H2O	0.051	mg/kg		0.010		SW6010B	01/17/07 11:08 / rp

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: trip - Tier II (formerly referred to as AMPP)
Lab ID: H06120209-006
Client Sample ID: T2/BHA-10-(60-96")

Report Date: 01/17/07
Collection Date: 12/26/06 17:00
Date Received: 12/28/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH-SatPst	7.5	s.u.		0.1		ASAM10-3.2	01/07/07 14:01 / jjm
COND	4.05	mmhos/cm		0.01		ASAM10-3	01/07/07 14:01 / jjm
Percent Sat	47.6	%		0.1		USDA27a	01/07/07 14:01 / jjm
SAR	2.0	unitless		0.01		Calculation	01/07/07 14:01 / jjm
HCO3 SatPst	1.20	meq/L		0.02		ASA10-3	01/09/07 13:05 / jjm
SATURATED PASTE							
Ca-SatPst	26.6	meq/l		0.05		SW6010B	01/17/07 09:53 / rp
Mg-SatPst	15.2	meq/l		0.08		SW6010B	01/17/07 09:53 / rp
Na-SatPst	9.26	meq/l		0.04		SW6010B	01/17/07 09:53 / rp
Cl-SatPst	0.87	meq/L		0.03		SW6010B	01/17/07 09:53 / rp
PHYSICAL CHARACTERISTICS							
Sand	23	%		1		ASA15-5	01/07/07 14:01 / jjm
Silt	42	%		1		ASA15-5	01/07/07 14:01 / jjm
Clay	35	%		1		ASA15-5	01/07/07 14:01 / jjm
Texture	CL	unitless				ASA15-5	01/07/07 14:01 / jjm
CHEMICAL CHARACTERISTICS							
CEC	28.2	meq/100g		0.09		SW6010B	01/15/07 09:59 / rp
Lime	5.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Na-Ext	2.01	meq/100g		0.04		SW6010B	01/12/07 13:31 / rp
EXCHANGEABLES							
Exch Na	1.6	meq/100g		0.1		Calculation	01/07/07 14:01 / jjm
ESP	5.6	%		0.1		USDA20a	01/07/07 14:01 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: trip - Tier II (formerly referred to as AMPP)
Lab ID: H06120209-007
Client Sample ID: T2/BHA-10-(0-2")

Report Date: 01/17/07
Collection Date: 12/26/06 17:00
Date Received: 12/28/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH-SatPst	7.7	s.u.		0.1		ASAM10-3.2	01/07/07 14:01 / jjm
COND	1.38	mmhos/cm		0.01		ASAM10-3	01/07/07 14:01 / jjm
Percent Sat	62.1	%		0.1		USDA27a	01/07/07 14:01 / jjm
SAR	5.3	unitless		0.01		Calculation	01/07/07 14:01 / jjm
HCO3 SatPst	3.20	meq/L		0.02		ASA10-3	01/09/07 13:05 / jjm
SATURATED PASTE							
Ca-SatPst	3.23	meq/l		0.05		SW6010B	01/17/07 09:56 / rp
Mg-SatPst	1.54	meq/l		0.08		SW6010B	01/17/07 09:56 / rp
Na-SatPst	8.19	meq/l		0.04		SW6010B	01/17/07 09:56 / rp
Cl-SatPst	4.95	meq/L		0.03		SW6010B	01/17/07 09:56 / rp
PHYSICAL CHARACTERISTICS							
Sand	14	%		1		ASA15-5	01/07/07 14:01 / jjm
Silt	43	%		1		ASA15-5	01/07/07 14:01 / jjm
Clay	43	%		1		ASA15-5	01/07/07 14:01 / jjm
Texture	SiC	unitless				ASA15-5	01/07/07 14:01 / jjm
CHEMICAL CHARACTERISTICS							
CEC	37.4	meq/100g		0.09		SW6010B	01/15/07 10:02 / rp
Lime	2.8	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Na-Ext	3.57	meq/100g		0.04		SW6010B	01/12/07 13:34 / rp
EXCHANGEABLES							
Exch Na	3.1	meq/100g		0.1		Calculation	01/07/07 14:01 / jjm
ESP	8.2	%		0.1		USDA20a	01/07/07 14:01 / jjm

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