



LABORATORY ANALYTICAL REPORT

Client: AMPP
Project: AMPP Tier II
Lab ID: H05110027-031
Client Sample ID: T2/BC-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 | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.3 | 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 | 55.1 | % | | 0.1 | | USDA27a | 11/16/05 08:41 / jjm |
| Sodium Adsorption Ratio (SAR) | 1.3 | unitless | | 0.01 | | Calculation | 11/16/05 08:41 / jjm |
| Bicarbonate, sat. paste | 5.33 | meq/L | | 0.02 | | ASA10-3 | 11/22/05 14:33 / jjm |
| SATURATED PASTE | | | | | | | |
| Calcium, sat. paste | 5.38 | meq/l | | 0.05 | | SW6010B | 11/19/05 21:26 / jjm |
| Magnesium, sat. paste | 3.70 | meq/l | | 0.08 | | SW6010B | 11/19/05 21:26 / jjm |
| Sodium, sat. paste | 2.77 | meq/l | | 0.04 | | SW6010B | 11/19/05 21:26 / jjm |
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 18 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Silt | 50 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Clay | 32 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Texture | SiCL | 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 |
| Potassium, NH4OAc Extractable | 165 | mg/kg | | 1 | | ASA13-3 | 11/29/05 00:00 / jjm |
| Organic Matter | 3.24 | % | | 0.02 | | ASA29-3 | 11/15/05 12:10 / jjm |
| Cation Exchange Capacity | 37.9 | meq/100g | | 0.09 | | SW6010B | 11/21/05 15:15 / jjm |
| Lime as CaCO3 | 7.4 | % | | 0.1 | | USDA23c | 11/21/05 00:00 / jjm |
| Phosphorus | 12 | mg/kg | | 0.8 | | ASA24-5 | 11/23/05 15:29 / rp |
| Nitrate + Nitrite as N, KCL Extract | 24 | mg/kg | | 1 | | ASA38-3 | 11/23/05 13:08 / sld |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Sodium, Extractable | 0.68 | meq/100g | | 0.04 | | SW6010B | 11/17/05 17:12 / rp |
| EXCHANGEABLES | | | | | | | |
| Exchangeable Sodium | 0.5 | meq/100g | | 0.1 | | Calculation | 11/16/05 08:41 / jjm |
| Exchangeable Sodium Percentage | 1.4 | % | | 0.1 | | USDA20a | 11/16/05 08:41 / jjm |
| METALS, DTPA EXTRACTABLE | | | | | | | |
| Zinc | 1.04 | mg/kg | | 0.02 | | SW6010B | 11/22/05 17:01 / rp |
| METALS, CACL2 EXTRACTABLE | | | | | | | |
| Barium | 0.8 | mg/kg | | 0.2 | | SW6010B | 11/22/05 16:08 / rp |
| Boron | 0.6 | mg/kg | | 0.2 | | SW6010B | 11/22/05 16:08 / rp |
| Selenium | ND | mg/kg | | 0.1 | | SW6010B | 11/22/05 16:08 / 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: H05110027-032
 Client Sample ID: T2/BC-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 | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.6 | s.u. | | 0.1 | | ASAM10-3.2 | 11/16/05 08:41 / jjm |
| Conductivity, sat. paste | 0.81 | mmhos/cm | | 0.01 | | ASAM10-3 | 11/16/05 08:41 / jjm |
| Saturation | 51.4 | % | | 0.1 | | USDA27a | 11/16/05 08:41 / jjm |
| Sodium Adsorption Ratio (SAR) | 2.7 | unitless | | 0.01 | | Calculation | 11/16/05 08:41 / jjm |
| Bicarbonate, sat. paste | 5.46 | meq/L | | 0.02 | | ASA10-3 | 11/22/05 14:33 / jjm |
| SATURATED PASTE | | | | | | | |
| Calcium, sat. paste | 3.31 | meq/l | | 0.05 | | SW6010B | 11/19/05 21:29 / jjm |
| Magnesium, sat. paste | 2.47 | meq/l | | 0.08 | | SW6010B | 11/19/05 21:29 / jjm |
| Sodium, sat. paste | 4.65 | meq/l | | 0.04 | | SW6010B | 11/19/05 21:29 / jjm |
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 17 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Silt | 52 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Clay | 31 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Texture | SiCL | unitless | | | | ASA15-5 | 11/16/05 08:41 / jjm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Cation Exchange Capacity | 35.5 | meq/100g | | 0.09 | | SW6010B | 11/21/05 15:18 / jjm |
| Lime as CaCO3 | 7.6 | % | | 0.1 | | USDA23c | 11/21/05 00:00 / jjm |
| Nitrate + Nitrite as N, KCL Extract | 14 | mg/kg | | 1 | | ASA38-3 | 11/23/05 12:36 / sld |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Sodium, Extractable | 1.01 | meq/100g | | 0.04 | | SW6010B | 11/17/05 17:15 / 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 |

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: H05110027-033
 Client Sample ID: T2/BC-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 | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.8 | s.u. | | 0.1 | | ASAM10-3.2 | 11/16/05 08:41 / jjm |
| Conductivity, sat. paste | 1.96 | mmhos/cm | | 0.01 | | ASAM10-3 | 11/16/05 08:41 / jjm |
| Saturation | 53.3 | % | | 0.1 | | USDA27a | 11/16/05 08:41 / jjm |
| Sodium Adsorption Ratio (SAR) | 5.0 | unitless | | 0.01 | | Calculation | 11/16/05 08:41 / jjm |
| Bicarbonate, sat. paste | 3.33 | meq/L | | 0.02 | | ASA10-3 | 11/22/05 14:33 / jjm |
| SATURATED PASTE | | | | | | | |
| Calcium, sat. paste | 5.70 | meq/l | | 0.05 | | SW6010B | 11/19/05 21:32 / jjm |
| Magnesium, sat. paste | 4.82 | meq/l | | 0.08 | | SW6010B | 11/19/05 21:32 / jjm |
| Sodium, sat. paste | 11.4 | meq/l | | 0.04 | | SW6010B | 11/19/05 21:32 / jjm |
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 13 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Silt | 47 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Clay | 40 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Texture | SiC | unitless | | | | ASA15-5 | 11/16/05 08:41 / jjm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Cation Exchange Capacity | 40.2 | meq/100g | | 0.09 | | SW6010B | 11/21/05 15:21 / jjm |
| Lime as CaCO3 | 7.4 | % | | 0.1 | | USDA23c | 11/21/05 00:00 / jjm |
| Nitrate + Nitrite as N, KCL Extract | 13 | mg/kg | | 1 | | ASA38-3 | 11/23/05 12:42 / sld |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Sodium, Extractable | 1.98 | meq/100g | | 0.04 | | SW6010B | 11/17/05 17:18 / rp |
| EXCHANGEABLES | | | | | | | |
| Exchangeable Sodium | 1.4 | 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 |

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: H05110027-034
 Client Sample ID: T2/BC-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 | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.6 | s.u. | | 0.1 | | ASAM10-3.2 | 11/16/05 08:41 / jjm |
| Conductivity, sat. paste | 6.15 | mmhos/cm | | 0.01 | | ASAM10-3 | 11/16/05 08:41 / jjm |
| Saturation | 54.9 | % | | 0.1 | | USDA27a | 11/16/05 08:41 / jjm |
| Sodium Adsorption Ratio (SAR) | 6.6 | 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 | 27.0 | meq/l | | 0.05 | | SW6010B | 11/19/05 21:41 / jjm |
| Magnesium, sat. paste | 20.0 | meq/l | | 0.08 | | SW6010B | 11/19/05 21:41 / jjm |
| Sodium, sat. paste | 32.1 | meq/l | | 0.04 | | SW6010B | 11/19/05 21:41 / jjm |
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 7 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Silt | 47 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Clay | 46 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Texture | SiC | unitless | | | | ASA15-5 | 11/16/05 08:41 / jjm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Cation Exchange Capacity | 31.2 | meq/100g | | 0.09 | | SW6010B | 11/21/05 15:24 / jjm |
| Lime as CaCO3 | 6.5 | % | | 0.1 | | USDA23c | 11/21/05 00:00 / jjm |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Sodium, Extractable | 3.35 | meq/100g | | 0.04 | | SW6010B | 11/17/05 17:20 / rp |
| EXCHANGEABLES | | | | | | | |
| Exchangeable Sodium | 1.6 | meq/100g | | 0.1 | | Calculation | 11/16/05 08:41 / jjm |
| Exchangeable Sodium Percentage | 5.1 | % | | 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: H05110027-035
Client Sample ID: T2/BC-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 | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.8 | s.u. | | 0.1 | | ASAM10-3.2 | 11/16/05 08:41 / jjm |
| Conductivity, sat. paste | 7.02 | mmhos/cm | | 0.01 | | ASAM10-3 | 11/16/05 08:41 / jjm |
| Saturation | 64.3 | % | | 0.1 | | USDA27a | 11/16/05 08:41 / jjm |
| Sodium Adsorption Ratio (SAR) | 11 | unitless | | 0.01 | | Calculation | 11/16/05 08:41 / jjm |
| Bicarbonate, sat. paste | 2.00 | meq/L | | 0.02 | | ASA10-3 | 11/22/05 14:33 / jjm |
| SATURATED PASTE | | | | | | | |
| Calcium, sat. paste | 23.0 | meq/l | | 0.05 | | SW6010B | 11/19/05 21:44 / jjm |
| Magnesium, sat. paste | 17.3 | meq/l | | 0.08 | | SW6010B | 11/19/05 21:44 / jjm |
| Sodium, sat. paste | 48.6 | meq/l | | 0.04 | | SW6010B | 11/19/05 21:44 / jjm |
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 5 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Silt | 52 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Clay | 43 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Texture | SiC | unitless | | | | ASA15-5 | 11/16/05 08:41 / jjm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Fluoride | 1.1 | mg/kg | | 1.0 | | A4500-F C | 11/23/05 00:00 / jjm |
| Cation Exchange Capacity | 36.3 | meq/100g | | 0.09 | | SW6010B | 11/21/05 15:27 / jjm |
| Lime as CaCO3 | 4.8 | % | | 0.1 | | USDA23c | 11/21/05 00:00 / jjm |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Sodium, Extractable | 5.59 | meq/100g | | 0.04 | | SW6010B | 11/17/05 17:29 / rp |
| EXCHANGEABLES | | | | | | | |
| Exchangeable Sodium | 2.5 | meq/100g | | 0.1 | | Calculation | 11/16/05 08:41 / jjm |
| Exchangeable Sodium Percentage | 6.8 | % | | 0.1 | | USDA20a | 11/16/05 08:41 / jjm |
| METALS, CaCl2 EXTRACTABLE | | | | | | | |
| Barium | ND | mg/kg | | 0.2 | | SW6010B | 11/22/05 16:11 / rp |
| Boron | 1.2 | mg/kg | | 0.2 | | SW6010B | 11/22/05 16:11 / rp |
| Selenium | ND | mg/kg | | 0.1 | | SW6010B | 11/22/05 16:11 / 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: H05110027-036
 Client Sample ID: T2/BC-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 | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.7 | s.u. | | 0.1 | | ASAM10-3.2 | 11/16/05 08:41 / jjm |
| Conductivity, sat. paste | 6.53 | mmhos/cm | | 0.01 | | ASAM10-3 | 11/16/05 08:41 / jjm |
| Saturation | 51.8 | % | | 0.1 | | USDA27a | 11/16/05 08:41 / jjm |
| Sodium Adsorption Ratio (SAR) | 9.7 | 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 | 24.7 | meq/l | | 0.05 | | SW6010B | 11/19/05 21:47 / jjm |
| Magnesium, sat. paste | 15.6 | meq/l | | 0.08 | | SW6010B | 11/19/05 21:47 / jjm |
| Sodium, sat. paste | 43.7 | meq/l | | 0.04 | | SW6010B | 11/19/05 21:47 / jjm |
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 19 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Silt | 48 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Clay | 33 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Texture | SiCL | unitless | | | | ASA15-5 | 11/16/05 08:41 / jjm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Cation Exchange Capacity | 28.2 | meq/100g | | 0.09 | | SW6010B | 11/21/05 15:30 / jjm |
| Lime as CaCO3 | 7.9 | % | | 0.1 | | USDA23c | 11/21/05 00:00 / jjm |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Sodium, Extractable | 3.98 | meq/100g | | 0.04 | | SW6010B | 11/17/05 17:32 / rp |
| EXCHANGEABLES | | | | | | | |
| Exchangeable Sodium | 1.7 | meq/100g | | 0.1 | | Calculation | 11/16/05 08:41 / jjm |
| Exchangeable Sodium Percentage | 6.1 | % | | 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: H05110027-037
 Client Sample ID: T2/BC-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 | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.2 | s.u. | | 0.1 | | ASAM10-3.2 | 11/16/05 08:41 / jjm |
| Conductivity, sat. paste | 1.31 | mmhos/cm | | 0.01 | | ASAM10-3 | 11/16/05 08:41 / jjm |
| Saturation | 58.3 | % | | 0.1 | | USDA27a | 11/16/05 08:41 / jjm |
| Sodium Adsorption Ratio (SAR) | 0.85 | unitless | | 0.01 | | Calculation | 11/16/05 08:41 / jjm |
| Bicarbonate, sat. paste | 9.46 | meq/L | | 0.02 | | ASA10-3 | 11/22/05 14:33 / jjm |
| SATURATED PASTE | | | | | | | |
| Calcium, sat. paste | 6.78 | meq/l | | 0.05 | | SW6010B | 11/19/05 21:50 / jjm |
| Magnesium, sat. paste | 4.86 | meq/l | | 0.08 | | SW6010B | 11/19/05 21:50 / jjm |
| Sodium, sat. paste | 2.04 | meq/l | | 0.04 | | SW6010B | 11/19/05 21:50 / jjm |
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 19 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Silt | 49 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Clay | 32 | % | | 1 | | ASA15-5 | 11/16/05 08:41 / jjm |
| Texture | SiCL | unitless | | | | ASA15-5 | 11/16/05 08:41 / jjm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Cation Exchange Capacity | 39.4 | meq/100g | | 0.09 | | SW6010B | 11/21/05 15:33 / jjm |
| Lime as CaCO3 | 7.1 | % | | 0.1 | | USDA23c | 11/21/05 00:00 / jjm |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Sodium, Extractable | 0.53 | meq/100g | | 0.04 | | SW6010B | 11/17/05 17:35 / rp |
| EXCHANGEABLES | | | | | | | |
| Exchangeable Sodium | 0.4 | meq/100g | | 0.1 | | Calculation | 11/16/05 08:41 / jjm |
| Exchangeable Sodium Percentage | 1.0 | % | | 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.