



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc  
 Project: TRIP-TierII (formerly referred to as AMPP)  
 Lab ID: H07090233-001  
 Client Sample ID: T2/LA-10-(0-6")

Report Date: 11/01/07  
 Collection Date: 09/18/07 17:00  
 DateReceived: 09/20/07  
 Matrix: Soil

| Analyses                                    | Result | Units    | Qualifiers | RL    | MCL/<br>QCL | Method      | Analysis Date / By   |
|---|--------|----------|------------|-------|-------------|-------------|----------------------|
| <b>SATURATED PASTE</b>                      |        |          |            |       |             |             |                      |
| pH, sat. paste                              | 7.4    | s.u.     |            | 0.1   |             | ASAM10-3.2  | 09/27/07 09:52 / jjm |
| Conductivity, sat. paste                    | 1.12   | mmhos/cm |            | 0.01  |             | ASAM10-3    | 09/27/07 09:52 / jjm |
| Saturation                                  | 55.8   | %        |            | 0.1   |             | USDA27a     | 09/27/07 09:52 / jjm |
| Sodium Adsorption Ratio (SAR)               | 1.1    | unitless |            | 0.01  |             | Calculation | 09/27/07 09:52 / jjm |
| Bicarbonate, sat. paste                     | 5.59   | meq/L    |            | 0.02  |             | ASA10-3     | 10/08/07 16:07 / jjm |
| <b>SATURATED PASTE</b>                      |        |          |            |       |             |             |                      |
| Calcium, sat. paste                         | 6.55   | meq/l    |            | 0.05  |             | SW6010B     | 10/09/07 16:04 / skd |
| Magnesium, sat. paste                       | 3.12   | meq/l    |            | 0.08  |             | SW6010B     | 10/09/07 16:04 / skd |
| Sodium, sat. paste                          | 2.43   | meq/l    |            | 0.04  |             | SW6010B     | 10/09/07 16:04 / skd |
| Sulfate, sat. paste                         | 6.68   | meq/L    |            | 0.02  |             | SW6010B     | 10/09/07 16:04 / skd |
| Chloride, sat. paste                        | 0.99   | meq/L    |            | 0.03  |             | SW6010B     | 10/09/07 16:04 / skd |
| <b>PHYSICAL CHARACTERISTICS</b>             |        |          |            |       |             |             |                      |
| Sand  | 34     | %        |            | 1     |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Silt  | 44     | %        |            | 1     |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Clay  | 22     | %        |            | 1     |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Texture                                     | L      | unitless |            |       |             | ASA15-5     | 09/27/07 09:52 / jjm |
| <b>CHEMICAL CHARACTERISTICS</b>             |        |          |            |       |             |             |                      |
| Fluoride                                    | ND     | mg/kg    |            | 1.0   |             | A4500-F C   | 10/28/07 00:00 / sld |
| Potassium, NH4OAc Extractable               | 238    | meq/100g |            | 1     |             | ASA13-3     | 10/09/07 11:19 / skd |
| Organic Matter                              | 4.41   | %        |            | 0.02  |             | ASA29-3     | 09/28/07 12:42 / jjm |
| Cation Exchange Capacity                    | 29.8   | meq/100g |            | 0.09  |             | SW6010B     | 10/10/07 17:00 / skd |
| Lime as CaCO3                               | 6.2    | %        |            | 0.1   |             | USDA23c     | 09/26/07 00:00 / jjm |
| Phosphorus                                  | 23     | mg/kg    |            | 0.1   |             | ASA24-5     | 10/02/07 13:26 / sld |
| Nitrate as N, KCL Extract                   | 6.8    | mg/kg    |            | 1.0   |             | ASA38-3     | 10/01/07 10:39 / sld |
| <b>METALS, AMMONIUM ACETATE EXTRACTABLE</b> |        |          |            |       |             |             |                      |
| Sodium, Extractable                         | 0.75   | meq/100g |            | 0.04  |             | SW6010B     | 10/09/07 11:19 / skd |
| <b>EXCHANGEABLES</b>                        |        |          |            |       |             |             |                      |
| Exchangeable Sodium                         | 0.6    | meq/100g |            | 0.1   |             | Calculation | 09/27/07 09:52 / jjm |
| Exchangeable Sodium Percentage              | 2.0    | %        |            | 0.1   |             | USDA20a     | 09/27/07 09:52 / jjm |
| <b>METALS, WATER SOLUBLE</b>                |        |          |            |       |             |             |                      |
| Selenium                                    | 0.008  | mg/kg    |            | 0.005 |             | E270.3      | 10/20/07 10:11 / skd |
| <b>METALS, DTPA EXTRACTABLE</b>             |        |          |            |       |             |             |                      |
| Zinc  | 0.79   | mg/kg    |            | 0.02  |             | SW6010B     | 10/10/07 11:17 / skd |

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: HydroSolutions Inc  
Project: TRIP-TierII (formerly referred to as AMPP)  
Lab ID: H07090233-001  
Client Sample ID: T2/LA-10-(0-6")

Report Date: 11/01/07  
Collection Date: 09/18/07 17:00  
DateReceived: 09/20/07  
Matrix: Soil

| Analyses                         | Result | Units | Qualifiers | RL   | MCL/<br>QCL | Method  | Analysis Date / By   |
|----------------------------------|--------|-------|------------|------|-------------|---------|----------------------|
| <b>METALS, CACL2 EXTRACTABLE</b> |        |       |            |      |             |         |                      |
| Barium                           | 0.76   | mg/kg |            | 0.20 |             | SW6010B | 10/10/07 09:33 / skd |
| Boron                            | 0.35   | mg/kg |            | 0.20 |             | SW6010B | 10/10/07 09:33 / skd |

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc  
 Project: TRIP-TierII (formerly referred to as AMPP)  
 Lab ID: H07090233-002  
 Client Sample ID: T2/LA-10 (6-12")

Report Date: 11/01/07  
 Collection Date: 09/18/07 17:00  
 DateReceived: 09/20/07  
 Matrix: Soil

| Analyses                                    | Result | Units    | Qualifiers | RL   | MCL/<br>QCL | Method      | Analysis Date / By   |
|---|--------|----------|------------|------|-------------|-------------|----------------------|
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| pH, sat. paste                              | 7.6    | s.u.     |            | 0.1  |             | ASAM10-3.2  | 09/27/07 09:52 / jjm |
| Conductivity, sat. paste                    | 3.28   | mmhos/cm |            | 0.01 |             | ASAM10-3    | 09/27/07 09:52 / jjm |
| Saturation                                  | 50.8   | %        |            | 0.1  |             | USDA27a     | 09/27/07 09:52 / jjm |
| Sodium Adsorption Ratio (SAR)               | 2.4    | unitless |            | 0.01 |             | Calculation | 09/27/07 09:52 / jjm |
| Bicarbonate, sat. paste                     | 4.40   | meq/L    |            | 0.02 |             | ASA10-3     | 10/08/07 16:07 / jjm |
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| Calcium, sat. paste                         | 20.8   | meq/l    |            | 0.05 |             | SW6010B     | 10/09/07 16:12 / skd |
| Magnesium, sat. paste                       | 13.2   | meq/l    |            | 0.08 |             | SW6010B     | 10/09/07 16:12 / skd |
| Sodium, sat. paste                          | 9.72   | meq/l    |            | 0.04 |             | SW6010B     | 10/09/07 16:12 / skd |
| Sulfate, sat. paste                         | 42.9   | meq/L    |            | 0.02 |             | SW6010B     | 10/09/07 16:12 / skd |
| Chloride, sat. paste                        | 0.81   | meq/L    |            | 0.03 |             | SW6010B     | 10/09/07 16:12 / skd |
| <b>PHYSICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Sand  | 31     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Silt  | 45     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Clay  | 24     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Texture                                     | L      | unitless |            |      |             | ASA15-5     | 09/27/07 09:52 / jjm |
| <b>CHEMICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Cation Exchange Capacity                    | 26.1   | meq/100g |            | 0.09 |             | SW6010B     | 10/10/07 17:07 / skd |
| Lime as CaCO3                               | 8.1    | %        |            | 0.1  |             | USDA23c     | 09/26/07 00:00 / jjm |
| Nitrate as N, KCL Extract                   | 4.6    | mg/kg    |            | 1.0  |             | ASA38-3     | 10/01/07 10:41 / sld |
| <b>METALS, AMMONIUM ACETATE EXTRACTABLE</b> |        |          |            |      |             |             |                      |
| Sodium, Extractable                         | 1.58   | meq/100g |            | 0.04 |             | SW6010B     | 10/09/07 11:21 / skd |
| <b>EXCHANGEABLES</b>                        |        |          |            |      |             |             |                      |
| Exchangeable Sodium                         | 1.1    | meq/100g |            | 0.1  |             | Calculation | 09/27/07 09:52 / jjm |
| Exchangeable Sodium Percentage              | 4.2    | %        |            | 0.1  |             | USDA20a     | 09/27/07 09:52 / jjm |

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc  
 Project: TRIP-TierII (formerly referred to as AMPP)  
 Lab ID: H07090233-003  
 Client Sample ID: T2/LA-10-(12-24")

Report Date: 11/01/07  
 Collection Date: 09/18/07 17:00  
 DateReceived: 09/20/07  
 Matrix: Soil

| Analyses                                    | Result | Units    | Qualifiers | RL   | MCL/<br>QCL | Method      | Analysis Date / By   |
|---|--------|----------|------------|------|-------------|-------------|----------------------|
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| pH, sat. paste                              | 7.8    | s.u.     |            | 0.1  |             | ASAM10-3.2  | 09/27/07 09:52 / jjm |
| Conductivity, sat. paste                    | 3.34   | mmhos/cm |            | 0.01 |             | ASAM10-3    | 09/27/07 09:52 / jjm |
| Saturation                                  | 48.9   | %        |            | 0.1  |             | USDA27a     | 09/27/07 09:52 / jjm |
| Sodium Adsorption Ratio (SAR)               | 2.6    | unitless |            | 0.01 |             | Calculation | 09/27/07 09:52 / jjm |
| Bicarbonate, sat. paste                     | 2.40   | meq/L    |            | 0.02 |             | ASA10-3     | 10/08/07 16:07 / jjm |
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| Calcium, sat. paste                         | 18.3   | meq/l    |            | 0.05 |             | SW6010B     | 10/09/07 16:15 / skd |
| Magnesium, sat. paste                       | 13.3   | meq/l    |            | 0.08 |             | SW6010B     | 10/09/07 16:15 / skd |
| Sodium, sat. paste                          | 10.5   | meq/l    |            | 0.04 |             | SW6010B     | 10/09/07 16:15 / skd |
| Sulfate, sat. paste                         | 42.6   | meq/L    |            | 0.02 |             | SW6010B     | 10/09/07 16:15 / skd |
| Chloride, sat. paste                        | 0.40   | meq/L    |            | 0.03 |             | SW6010B     | 10/09/07 16:15 / skd |
| <b>PHYSICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Sand  | 32     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Silt  | 44     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Clay  | 24     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Texture                                     | L      | unitless |            |      |             | ASA15-5     | 09/27/07 09:52 / jjm |
| <b>CHEMICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Cation Exchange Capacity                    | 25.7   | meq/100g |            | 0.09 |             | SW6010B     | 10/10/07 17:10 / skd |
| Lime as CaCO3                               | 9.3    | %        |            | 0.1  |             | USDA23c     | 09/26/07 00:00 / jjm |
| Nitrate as N, KCL Extract                   | 4.4    | mg/kg    |            | 1.0  |             | ASA38-3     | 10/01/07 10:43 / sld |
| <b>METALS, AMMONIUM ACETATE EXTRACTABLE</b> |        |          |            |      |             |             |                      |
| Sodium, Extractable                         | 1.72   | meq/100g |            | 0.04 |             | SW6010B     | 10/09/07 11:24 / skd |
| <b>EXCHANGEABLES</b>                        |        |          |            |      |             |             |                      |
| Exchangeable Sodium                         | 1.2    | meq/100g |            | 0.1  |             | Calculation | 09/27/07 09:52 / jjm |
| Exchangeable Sodium Percentage              | 4.7    | %        |            | 0.1  |             | USDA20a     | 09/27/07 09:52 / jjm |

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc  
 Project: TRIP-TierII (formerly referred to as AMPP)  
 Lab ID: H07090233-004  
 Client Sample ID: T2/LA-10-(24-36")

Report Date: 11/01/07  
 Collection Date: 09/18/07 17:00  
 DateReceived: 09/20/07  
 Matrix: Soil

| Analyses                                    | Result | Units    | Qualifiers | RL   | MCL/<br>QCL | Method      | Analysis Date / By   |
|---|--------|----------|------------|------|-------------|-------------|----------------------|
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| pH, sat. paste                              | 7.9    | s.u.     |            | 0.1  |             | ASAM10-3.2  | 09/27/07 09:52 / jjm |
| Conductivity, sat. paste                    | 4.14   | mmhos/cm |            | 0.01 |             | ASAM10-3    | 09/27/07 09:52 / jjm |
| Saturation                                  | 46.4   | %        |            | 0.1  |             | USDA27a     | 09/27/07 09:52 / jjm |
| Sodium Adsorption Ratio (SAR)               | 3.9    | unitless |            | 0.01 |             | Calculation | 09/27/07 09:52 / jjm |
| Bicarbonate, sat. paste                     | 2.40   | meq/L    |            | 0.02 |             | ASA10-3     | 10/08/07 16:07 / jjm |
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| Calcium, sat. paste                         | 16.9   | meq/l    |            | 0.05 |             | SW6010B     | 10/09/07 16:17 / skd |
| Magnesium, sat. paste                       | 18.4   | meq/l    |            | 0.08 |             | SW6010B     | 10/09/07 16:17 / skd |
| Sodium, sat. paste                          | 16.5   | meq/l    |            | 0.04 |             | SW6010B     | 10/09/07 16:17 / skd |
| Chloride, sat. paste                        | 0.50   | meq/L    |            | 0.03 |             | SW6010B     | 10/09/07 16:17 / skd |
| <b>PHYSICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Sand  | 37     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Silt  | 40     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Clay  | 23     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Texture                                     | L      | unitless |            |      |             | ASA15-5     | 09/27/07 09:52 / jjm |
| <b>CHEMICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Cation Exchange Capacity                    | 22.7   | meq/100g |            | 0.09 |             | SW6010B     | 10/10/07 17:12 / skd |
| Lime as CaCO3                               | 8.2    | %        |            | 0.1  |             | USDA23c     | 09/26/07 00:00 / jjm |
| <b>METALS, AMMONIUM ACETATE EXTRACTABLE</b> |        |          |            |      |             |             |                      |
| Sodium, Extractable                         | 2.25   | meq/100g |            | 0.04 |             | SW6010B     | 10/09/07 11:27 / skd |
| <b>EXCHANGEABLES</b>                        |        |          |            |      |             |             |                      |
| Exchangeable Sodium                         | 1.5    | meq/100g |            | 0.1  |             | Calculation | 09/27/07 09:52 / jjm |
| Exchangeable Sodium Percentage              | 6.5    | %        |            | 0.1  |             | USDA20a     | 09/27/07 09:52 / jjm |

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc  
 Project: TRIP-TierII (formerly referred to as AMPP)  
 Lab ID: H07090233-005  
 Client Sample ID: T2/LA-10-(36-60")

Report Date: 11/01/07  
 Collection Date: 09/18/07 17:00  
 DateReceived: 09/20/07  
 Matrix: Soil

| Analyses                                    | Result | Units    | Qualifiers | RL    | MCL/<br>QCL | Method      | Analysis Date / By   |
|---|--------|----------|------------|-------|-------------|-------------|----------------------|
| <b>SATURATED PASTE</b>                      |        |          |            |       |             |             |                      |
| pH, sat. paste                              | 8.0    | s.u.     |            | 0.1   |             | ASAM10-3.2  | 09/27/07 09:52 / jjm |
| Conductivity, sat. paste                    | 3.98   | mmhos/cm |            | 0.01  |             | ASAM10-3    | 09/27/07 09:52 / jjm |
| Saturation                                  | 62.7   | %        |            | 0.1   |             | USDA27a     | 09/27/07 09:52 / jjm |
| Sodium Adsorption Ratio (SAR)               | 4.5    | unitless |            | 0.01  |             | Calculation | 09/27/07 09:52 / jjm |
| Bicarbonate, sat. paste                     | 2.80   | meq/L    |            | 0.02  |             | ASA10-3     | 10/08/07 16:07 / jjm |
| <b>SATURATED PASTE</b>                      |        |          |            |       |             |             |                      |
| Calcium, sat. paste                         | 6.85   | meq/l    |            | 0.05  |             | SW6010B     | 10/09/07 16:20 / skd |
| Magnesium, sat. paste                       | 10.9   | meq/l    |            | 0.08  |             | SW6010B     | 10/09/07 16:20 / skd |
| Sodium, sat. paste                          | 13.3   | meq/l    |            | 0.04  |             | SW6010B     | 10/09/07 16:20 / skd |
| Chloride, sat. paste                        | 0.30   | meq/L    |            | 0.03  |             | SW6010B     | 10/09/07 16:20 / skd |
| <b>PHYSICAL CHARACTERISTICS</b>             |        |          |            |       |             |             |                      |
| Sand  | 24     | %        |            | 1     |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Silt  | 56     | %        |            | 1     |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Clay  | 20     | %        |            | 1     |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Texture                                     | SiL    | unitless |            |       |             | ASA15-5     | 09/27/07 09:52 / jjm |
| <b>CHEMICAL CHARACTERISTICS</b>             |        |          |            |       |             |             |                      |
| Fluoride                                    | 1.1    | mg/kg    |            | 1.0   |             | A4500-F C   | 10/28/07 00:00 / sld |
| Cation Exchange Capacity                    | 18.1   | meq/100g |            | 0.09  |             | SW6010B     | 10/10/07 17:15 / skd |
| Lime as CaCO3                               | 6.7    | %        |            | 0.1   |             | USDA23c     | 09/26/07 00:00 / jjm |
| <b>METALS, AMMONIUM ACETATE EXTRACTABLE</b> |        |          |            |       |             |             |                      |
| Sodium, Extractable                         | 2.24   | meq/100g |            | 0.04  |             | SW6010B     | 10/09/07 11:29 / skd |
| <b>EXCHANGEABLES</b>                        |        |          |            |       |             |             |                      |
| Exchangeable Sodium                         | 1.4    | meq/100g |            | 0.1   |             | Calculation | 09/27/07 09:52 / jjm |
| Exchangeable Sodium Percentage              | 7.7    | %        |            | 0.1   |             | USDA20a     | 09/27/07 09:52 / jjm |
| <b>METALS, WATER SOLUBLE</b>                |        |          |            |       |             |             |                      |
| Selenium                                    | 0.011  | mg/kg    |            | 0.005 |             | E270.3      | 10/20/07 10:13 / skd |
| <b>METALS, CACL2 EXTRACTABLE</b>            |        |          |            |       |             |             |                      |
| Barium                                      | ND     | mg/kg    |            | 0.20  |             | SW6010B     | 10/10/07 09:36 / skd |
| Boron                                       | 0.43   | mg/kg    |            | 0.20  |             | SW6010B     | 10/10/07 09:36 / skd |

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: HydroSolutions Inc  
 Project: TRIP-TierII (formerly referred to as AMPP)  
 Lab ID: H07090233-006  
 Client Sample ID: T2/LA-10-(60-96")

Report Date: 11/01/07  
 Collection Date: 09/18/07 17:00  
 Date Received: 09/20/07  
 Matrix: Soil

| Analyses                                    | Result | Units    | Qualifiers | RL   | MCL/<br>QCL | Method      | Analysis Date / By   |
|---|--------|----------|------------|------|-------------|-------------|----------------------|
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| pH, sat. paste                              | 8.0    | s.u.     |            | 0.1  |             | ASAM10-3.2  | 09/27/07 09:52 / jjm |
| Conductivity, sat. paste                    | 4.30   | mmhos/cm |            | 0.01 |             | ASAM10-3    | 09/27/07 09:52 / jjm |
| Saturation                                  | 46.4   | %        |            | 0.1  |             | USDA27a     | 09/27/07 09:52 / jjm |
| Sodium Adsorption Ratio (SAR)               | 8.8    | unitless |            | 0.01 |             | Calculation | 09/27/07 09:52 / jjm |
| Bicarbonate, sat. paste                     | 3.60   | meq/L    |            | 0.02 |             | ASA10-3     | 10/08/07 16:07 / jjm |
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| Calcium, sat. paste                         | 7.16   | meq/l    |            | 0.05 |             | SW6010B     | 10/09/07 16:22 / skd |
| Magnesium, sat. paste                       | 13.7   | meq/l    |            | 0.08 |             | SW6010B     | 10/09/07 16:22 / skd |
| Sodium, sat. paste                          | 28.4   | meq/l    |            | 0.04 |             | SW6010B     | 10/09/07 16:22 / skd |
| Chloride, sat. paste                        | 0.40   | meq/L    |            | 0.03 |             | SW6010B     | 10/09/07 16:22 / skd |
| <b>PHYSICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Sand  | 61     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Silt  | 29     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Clay  | 10     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Texture                                     | SL     | unitless |            |      |             | ASA15-5     | 09/27/07 09:52 / jjm |
| <b>CHEMICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Cation Exchange Capacity                    | 15.0   | meq/100g |            | 0.09 |             | SW6010B     | 10/10/07 17:17 / skd |
| Lime as CaCO3                               | 8.2    | %        |            | 0.1  |             | USDA23c     | 09/26/07 00:00 / jjm |
| <b>METALS, AMMONIUM ACETATE EXTRACTABLE</b> |        |          |            |      |             |             |                      |
| Sodium, Extractable                         | 2.70   | meq/100g |            | 0.04 |             | SW6010B     | 10/09/07 11:32 / skd |
| <b>EXCHANGEABLES</b>                        |        |          |            |      |             |             |                      |
| Exchangeable Sodium                         | 1.4    | meq/100g |            | 0.1  |             | Calculation | 09/27/07 09:52 / jjm |
| Exchangeable Sodium Percentage              | 9.2    | %        |            | 0.1  |             | USDA20a     | 09/27/07 09:52 / 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: HydroSolutions Inc  
 Project: TRIP-TierII (formerly referred to as AMPP)  
 Lab ID: H07090233-007  
 Client Sample ID: T2/LA-10-(0-2")

Report Date: 11/01/07  
 Collection Date: 09/18/07 17:00  
 DateReceived: 09/20/07  
 Matrix: Soil

| Analyses                                    | Result | Units    | Qualifiers | RL   | MCL/<br>QCL | Method      | Analysis Date / By   |
|---|--------|----------|------------|------|-------------|-------------|----------------------|
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| pH, sat. paste                              | 7.4    | s.u.     |            | 0.1  |             | ASAM10-3.2  | 09/27/07 09:52 / jjm |
| Conductivity, sat. paste                    | 1.06   | mmhos/cm |            | 0.01 |             | ASAM10-3    | 09/27/07 09:52 / jjm |
| Saturation                                  | 30.2   | %        |            | 0.1  |             | USDA27a     | 09/27/07 09:52 / jjm |
| Sodium Adsorption Ratio (SAR)               | 1.2    | unitless |            | 0.01 |             | Calculation | 09/27/07 09:52 / jjm |
| Bicarbonate, sat. paste                     | 5.99   | meq/L    |            | 0.02 |             | ASA10-3     | 10/08/07 16:07 / jjm |
| <b>SATURATED PASTE</b>                      |        |          |            |      |             |             |                      |
| Calcium, sat. paste                         | 5.67   | meq/l    |            | 0.05 |             | SW6010B     | 10/09/07 16:25 / skd |
| Magnesium, sat. paste                       | 2.56   | meq/l    |            | 0.08 |             | SW6010B     | 10/09/07 16:25 / skd |
| Sodium, sat. paste                          | 2.37   | meq/l    |            | 0.04 |             | SW6010B     | 10/09/07 16:25 / skd |
| Chloride, sat. paste                        | 0.60   | meq/L    |            | 0.03 |             | SW6010B     | 10/09/07 16:25 / skd |
| <b>PHYSICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Sand  | 34     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Silt  | 46     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Clay  | 20     | %        |            | 1    |             | ASA15-5     | 09/27/07 09:52 / jjm |
| Texture                                     | L      | unitless |            |      |             | ASA15-5     | 09/27/07 09:52 / jjm |
| <b>CHEMICAL CHARACTERISTICS</b>             |        |          |            |      |             |             |                      |
| Cation Exchange Capacity                    | 30.7   | meq/100g |            | 0.09 |             | SW6010B     | 10/10/07 17:20 / skd |
| Lime as CaCO3                               | 6.3    | %        |            | 0.1  |             | USDA23c     | 09/26/07 00:00 / jjm |
| <b>METALS, AMMONIUM ACETATE EXTRACTABLE</b> |        |          |            |      |             |             |                      |
| Sodium, Extractable                         | 0.80   | meq/100g |            | 0.04 |             | SW6010B     | 10/09/07 11:34 / skd |
| <b>EXCHANGEABLES</b>                        |        |          |            |      |             |             |                      |
| Exchangeable Sodium                         | 0.7    | meq/100g |            | 0.1  |             | Calculation | 09/27/07 09:52 / jjm |
| Exchangeable Sodium Percentage              | 2.4    | %        |            | 0.1  |             | USDA20a     | 09/27/07 09:52 / jjm |

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