### Boring ID: B1ET0593

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Northing (ft):** 269396.68
- **Easting (ft):** 1796854.21
- **Job Number:** 1008208
- **Site:** B1-2
- **Drill Start Date:** 09-27-2010
- **Start Time:** 10:40
- **Logged By:** J. Parkes
- **Drill Finish Date:** 09-27-2010
- **Finish Time:** 10:55
- **Drilling Contractor:** MP Environmental Svcs.
- **Reviewed By:** M. Milman-Barris, P.G.
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Driller's Name:** D. Velasquez

**Comments:** Surface soil and alluvium excavated to approx. 2 ft

**Sample Interval**

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
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<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
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<td>Silty Sand, brown (10YR 4/3), loose, dry [Alluvium]</td>
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<tr>
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<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
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<td>Collected soil sample S001 at 10:45 from excavation floor.</td>
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<tr>
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<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
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**Field Instrumentation:**

<table>
<thead>
<tr>
<th>Well Comp. Date</th>
<th>Completion Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
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**Drilling Equipment:**

- **Drill Start Date:** 269396.68
- **Start Time:** 09-27-2010
- **Job Number:** 269396.68
- **Logged By:** M. Milman-Barris, P.G.
- **Reviewed By:** M. Milman-Barris, P.G.
- **Well Comp. Date:** N/A
- **Completion Time:** N/A

**Soil Backfill:**

- **Date:** N/A
- **Time:** N/A

**Samplers:**

- **Sample Type:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Sample Interval:** N/A
- **Depth (feet):** N/A
- **Well Comp. Date:** N/A
- **Completion Time:** N/A

**Comments:**

- Surface soil and alluvium excavated to approx. 2 ft
- Collected soil sample S001 at 10:45 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Est. % of Soil:**

- **Gravel:** 10
- **Coarse Sand:** 70
- **Med. Sand:** 20
- **Fine Sand:** N/A
- **Silt/Clay:** N/A

**Comments:**

- [See Trench Log ISRA-B1-2 for lithology]
**LOG OF BORING OUTFALL009 ISRA-B1ET0594 SP-SM 3/25/11**

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 2.5  

**Job Number:** 1008208  
**Site:** B1-2

**Logged By:** S. Aichner  
**Drilling Contractor:** MP Environmental Svcs.

**Easting (ft):** 269250.75  
**Northing (ft):** 1796749.61  
**Drill Start Date:** 09-27-2010  
**Drill Finish Date:** 09-27-2010  
**Start Time:** 13:46  
**Finish Time:** 14:00

**Boring ID:** B1ET0594

**PID (ppm):** 70tr 20tr

**Water Level:** N/A

**Comments:** Surface soil and alluvium excavated to approx. 2 ft

**Well Comp. Date:** N/A  
**Completion Time:** N/A

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Recovery (%)</th>
<th>Blow Count 6&quot;</th>
<th>PID</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<tbody>
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<td>SP-SM</td>
<td>Poorly Graded Sand with Silt, dark yellowish brown (10YR 4/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
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<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 14:00 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

**Sample Type:** Grab (hand sampling)

**Drill Rig Type/Method:** N/A

**Driller's Name:** S. Fink

**Soil Backfill Date:** N/A  
**Backfill Time:** N/A

**Est. % of Soil:**
- Gravel: tr
- Coarse Sand: tr
- Med. Sand: 20
- Fine Sand: 70
- Silt/Clay: 10

**Sequence:**
- Sample Type: Grab (hand sampling)
- Borehole Diam. (in.): 2
- Total Depth (ft): 2.5
**Boring ID: B1ET0595**

**Borehole Diam. (in.):** 2
**Total Depth (ft):** 2.5

**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Job Number:** 1008208

**Site:** B1-2

---

**Logged By:** S. Aichner

**Sheet 1 of 1**

---

**Easting (ft):** 269243.36  
**Northing (ft):** 1796744.65  
**Drill Start Date:** 09-28-2010  
**Drill Finish Date:** 09-28-2010  
**Start Time:** 08:03  
**Finish Time:** 08:17  
**Logged By:** S. Aichner  
**Reviewed By:** M. Milman-Barris, P.G.

**Drilling Contractor:** MP Environmental Svcs.

**Drill Rig Type/Method:** Grab (hand sampling)

**PID**

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>0</td>
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<td>[See Trench Log ISRA-B1-2 for lithology]</td>
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<tr>
<td>S</td>
<td>0.1</td>
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<td>S</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
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<td>S</td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:17 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
<tr>
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<td>S</td>
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</tr>
</tbody>
</table>

**Well Comp. Date:** N/A

**Completion Time:** N/A

**Driller’s Name:** S. Fink

**Comments:** Surface soil and alluvium excavated to approx. 2 ft

**Sample Retained in 6-inch stainless steel sleeve / Encores**

**Soil Backfill Date:** N/A

**Backfill Time:** N/A

**Est. % of Soil**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>tr</td>
<td>tr</td>
<td>10</td>
<td>70</td>
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LOG OF BORING OUTFALL009 ISRA-2010.GPJ  BOEING.GDT  3/25/11
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]

Total Depth = 2.5 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 08:34 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]**

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Water Level</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>1</td>
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<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
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</tr>
<tr>
<td>2</td>
<td>SM</td>
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<td></td>
<td>Total Depth = 1.0 ft; terminated prior to refusal on bedrock.</td>
<td></td>
</tr>
<tr>
<td>3</td>
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<td>Collected soil sample S001 at 08:50 from excavation floor.</td>
<td></td>
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<tr>
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<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
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</tr>
</tbody>
</table>

**Notes:**
- Total Depth = 1.0 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 08:50 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
**Surface soil and alluvium excavated to approx. 0.5 ft**

Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]

Total Depth = 1.0 ft; terminated prior to refusal on bedrock.

Collected soil samples S001 and duplicate D001 at 09:17 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
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<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
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</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 0.5 ft
- Total Depth = 1.0 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 09:49 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Well Comp. Date:** N/A  
**Completion Time:** N/A  
**Soil Backfill Date:** N/A  
**Backfill Time:** N/A

**Est. % of Soil**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
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<tbody>
<tr>
<td>tr</td>
<td>tr</td>
<td>20</td>
<td>60</td>
<td>20</td>
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Borehole Diam. (in.): 2  Total Depth (ft): 1.0  Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Logged By: S. Aichner  Site: B1-2

Easting (ft): 269253.63  Job Number: 1008208  Reviewed By: M. Milman-Barris, P.G.

Drill Finish Date: 09-28-2010  Start Time: 09:49  MP Environmental Svcs.

Drill Start Date: 09-28-2010  Start Time: 09:49  Field Instrumentation: PID

Drilling Contractor: M. Milman-Barris, P.G.

Drill Rig Type/Method: Grab (hand sampling)

grab (hand sampling)

Grab (hand sampling)

Surface soil and alluvium excavated to approx. 0.5 ft  Sample retained in 6-inch stainless steel sleeve / Encores

Comments: Surface soil and alluvium excavated to approx. 0.5 ft

Sample Interval

<table>
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<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td>1</td>
<td></td>
<td>Silt/Clay</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
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<td>Silt/Clay</td>
<td>Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:04 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
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Est. % of Soil

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<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Sil/Clay</th>
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<td>tr</td>
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<td>60</td>
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**LOG OF BORING ISRA-2010.GPJ  BOEING.GDT  3/25/11**

**Boring ID: B1ET0601**

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<th>Recovery (%)</th>
<th>Samplers</th>
<th>SM Water Level</th>
<th>USCS Soil Classification</th>
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<tbody>
<tr>
<td>Sample Type</td>
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</tr>
<tr>
<td>Depth (feet)</td>
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<td>Graphic Log</td>
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<tr>
<td>Est. % of Soil</td>
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<td></td>
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</tr>
</tbody>
</table>

**[See Trench Log ISRA-B1-2 for lithology]**

- **Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]**

- **Total Depth = 1.0 ft; terminated prior to refusal on bedrock.**

- **Collected soil sample S001 at 10:28 from excavation floor.**

- **Excavation backfilled 01-12-2011 - 01-31-2011.**
<table>
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<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blown Count/&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<td>0</td>
<td>SM</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
</tbody>
</table>

- Total Depth = 1.0 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 10:45 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Retained Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<tbody>
<tr>
<td>0 - 1 ft</td>
<td>60tr</td>
<td>100</td>
<td>60tr</td>
<td>100</td>
<td>0</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
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</tr>
</tbody>
</table>

Total Depth = 1.0 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 10:57 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
Boring ID: **B1ET0604**

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 1.0  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Nothing (ft):** 269293.12  
**Easting (ft):** 1796818.44  
**Job Number:** 1008208  
**Site:** B1-2

**Drill Start Date:** 09-28-2010  
**Start Time:** 11:30  
**Logged By:** S. Aichner  
**Reviewed By:** M. Milman-Barris, P.G.

**Drill Finish Date:** 09-28-2010  
**Finish Time:** 11:45  
**Drilling Contractor:** MP Environmental Svcs.  
**Field Instrumentation:** PID

**Depth 1st H₂O (ft):** N/A  
**Date / Time:** N/A  
**Drill Rig Type/Method:** Grab (hand sampling)

**Depth H₂O After Drilling (ft):** N/A  
**Date / Time:** N/A  
**Driller's Name:** S. Fink

**Comments:**  
Surface soil and alluvium excavated to approx. 0.5 ft

**Samples:**  
Sample retained in 6-inch stainless steel sleeve / Encores

**Well Comp. Date:** N/A  
**Completion Time:** N/A

**Samples:**  
Sample collected at excavation floor.

**Soil Backfill Date:** N/A  
**Backfill Time:** N/A

---

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count 6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
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<td>1</td>
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<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
</tr>
</tbody>
</table>

**Est. % of Soil:**

- Gravel: 0%
- Coarse Sand: 0%
- Med. Sand: 20%
- Fine Sand: 60%
- Silt/Clay: 20%
**Boring ID: B1ET0605**

Borehole Diam. (in.): 2  
Total Depth (ft): 1.0  
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  

Northing (ft): 269277.67  
Easting (ft): 1796807.03  
Job Number: 1008208  
Site: B1-2  

Drill Start Date: 09/28/2010  
Start Time: 13:03  
Logged By: S. Aichner  
Reviewed By: M. Milman-Barris, P.G.  

Drill Finish Date: 09/28/2010  
Finish Time: 13:19  
Drilling Contractor: MP Environmental Svcs.  
Field Instrumentation: PID  

Depth 1st H₂O (ft): N/A  
Date / Time: N/A  
Drill Rig Type/Method: Grab (hand sampling)  

Depth H₂O After Drilling (ft): N/A  
Date / Time: N/A  
Driller’s Name: S. Fink  

Comments: Surface soil and alluvium excavated to approx. 0.5 ft  
Well Comp. Date: N/A  
Completion Time: N/A  

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores  
Soil Backfill Date: N/A  
Backfill Time: N/A  

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>0.0</td>
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<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
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<td>Total Depth = 1.0 ft; terminated prior to refusal on bedrock.</td>
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<td>Collected soil sample S001 at 13:19 from excavation floor.</td>
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<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
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**Est. % of Soil**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>tr</td>
<td>tr</td>
<td>20</td>
<td>60</td>
<td>20</td>
</tr>
<tr>
<td>Sample Interval Retained</td>
<td>Recovery (%)</td>
<td>Blow Count/6&quot;</td>
<td>Water Level</td>
<td>USCS Soil Classification</td>
</tr>
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<td>--------------------------</td>
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<td>0.0</td>
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<td>1.0</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>S</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
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</tbody>
</table>

Comments: Surface soil and alluvium excavated to approx. 0.5 ft

Well Comp. Date: N/A  Completion Time: N/A

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A  Backfill Time: N/A

[See Trench Log ISRA-B1-2 for lithology]
**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 1.0  

**Job Number:** 1008208  
**Logged By:** S. Aichner  
**Sheet 1 of 1**  

**Northing (ft):** 269249.06  
**Easting (ft):** 1796785.44  
**Drill Start Date:** 09-28-2010  
**Start Time:** 13:32  
**Logged By:** S. Aichner  
**Reviewed By:** M. Milman-Barris, P.G.  

**Drill Finish Date:** 09-28-2010  
**Finish Time:** 13:34  
**Drilling Contractor:** MP Environmental Svcs.  
**Field Instrumentation:** PID  

**Depth 1st H2O (ft):** N/A  
**Date / Time:** N/A  
**Drill Rig Type/Method:** Grab (hand sampling)  

**Depth H2O After Drilling (ft):** N/A  
**Date / Time:** N/A  
**Driller's Name:** S. Fink  

**Comments:** Surface soil and alluvium excavated to approx. 0.5 ft  

**Samplers:** Sample retained in 6-inch stainless steel sleeve / Encores  
**Soil Backfill Date:** N/A  
**Backfill Time:** N/A  

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
<th>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>s</td>
<td>0.0</td>
<td></td>
<td>SP-SM</td>
<td></td>
<td>0</td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td>gravel: 10</td>
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<td>SP-SM</td>
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<td></td>
<td></td>
<td>Poorly Graded Sand with Silt, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaeous [Alluvium]</td>
<td>gravel: 10</td>
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</tbody>
</table>

Total Depth = 1.0 ft; terminated prior to refusal on bedrock.  
Collected soil sample S001 at 13:34 from excavation floor.  
Excavation backfilled 01-12-2011 - 01-31-2011.
**LOG OF BORING OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/25/11**

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID</th>
<th>Water Level</th>
<th>USCS Soil Classification</th>
<th>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
<td>SP-SM</td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
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</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>Poorly Graded Sand with Silt, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td>tr 10 10 70 10</td>
</tr>
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<td></td>
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<td></td>
<td></td>
<td>Total Depth = 1.0 ft; terminated prior to refusal on bedrock.</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>Collected soil samples S001 and split S001SP at 14:08 from excavation floor.</td>
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<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
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</tr>
</tbody>
</table>

**Notes:**
- Surface soil and alluvium excavated to approx. 0.5 ft
- Collected soil samples S001 and split S001SP at 14:08 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
## LOG OF BORING OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/25/11

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<tbody>
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<td>0</td>
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<td></td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

- **Est. % of Soil**
  - Gravel: 20
  - Coarse Sand: 60
  - Med. Sand: 20
  - Fine Sand: 20
  - Silt/Clay: N/A

**Comments:**
- Surface soil and alluvium excavated to approx. 0.5 ft
- Collected soil sample S001 at 14:25 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Depth:**
- Total Depth = 1.0 ft; terminated prior to refusal on bedrock.

**Well Comp. Date:** N/A
**Completion Time:** N/A
**Sample Retained:** Sample retained in 6-inch stainless steel sleeve / Encores
**Soil Backfill Date:** N/A
**Backfill Time:** N/A
<table>
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<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID ppm</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<tbody>
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<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
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<td></td>
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<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
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<td>SM</td>
<td>Total Depth = 1.0 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
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<td></td>
<td></td>
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<td>SM</td>
<td>Collected soil sample S001 at 07:50 from excavation floor.</td>
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<td>SM</td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>
**LOG OF BORING OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/25/11**

**Boring ID: B1ET0611**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 1.0
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Job Number:** 1008208
- **Site:** B1-2
- **Logged By:** S. Aichner
- **Reviewed By:** M. Milman-Barris, P.G.

**Drill Start Date:** 09-29-2010  **Start Time:** 07:58
- **Drill Finish Date:** 09-29-2010  **Finish Time:** 08:21
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID

**Depth 1st H₂O (ft):** N/A  **Date / Time:** N/A

**Depth H₂O After Drilling (ft):** N/A  **Date / Time:** N/A

**Driller's Name:** S. Fink

**Comments:** Surface soil and alluvium excavated to approx. 0.5 ft

**Sample Retained:** Sample retained in 6-inch stainless steel sleeve / Encores

**Grab (hand sampling)**

**Rig Type/Method:**

**Site:** 2 ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

<table>
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<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Est. % of Soil</th>
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</thead>
<tbody>
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<td>SM</td>
<td>0</td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td>tr tr 20 60 20</td>
</tr>
</tbody>
</table>

- **Total Depth = 1.0 ft; terminated prior to refusal on bedrock.**
- **Collected soil samples S001 and duplicate D001 at 08:21 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**
**LOG OF BORING OUTFALL 009_ISRA-2010.GPJ  BOEING.GDT  3/25/11**

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>SM</td>
<td>Silt/Clay</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td>tr tr 20 60 20</td>
</tr>
</tbody>
</table>

Total Depth = 1.0 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 08:53 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.

**Comments:** Surface soil and alluvium excavated to approx. 0.5 ft

**Sample Retained:** Sample retained in 6-inch stainless steel sleeve / Encores

**Soil Backfill Date:** N/A

**Backfill Time:** N/A

**Boring ID:** B1ET0612

**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Site:** B1-2

**Drilling Contractor:** MP Environmental Svcs.
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<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<tr>
<td>0</td>
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<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
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<td>SM</td>
<td>S001</td>
<td>Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:18 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
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</table>

Notes:
- **Log of Boring OUTFALL009 ISRA-2010.GPJ BOEING.GDT 3/25/11**
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Job Number:** 1008208
- **Site:** B1-2
- **Logged By:** S. Aichner
- **Logged By:** S. Aichner
- **Reviewed By:** M. Milman-Barris, P.G.
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID
- **Sample Type:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Soil Backfill Date:** N/A
- **Backfill Time:** N/A
- **Well Comp. Date:** N/A
- **Completion Time:** N/A

**Est. % of Soil:**

- **Gravel**
- **Coarse Sand**
- **Med. Sand**
- **Fine Sand**
- **Silt/Clay**
**LOG OF BORING  OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/25/11**

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count / 6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
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<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
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<tr>
<td>2</td>
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<td></td>
<td></td>
<td>Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:46 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
</tr>
</tbody>
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**Est. % of Soil**

<table>
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<tr>
<th></th>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
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<tbody>
<tr>
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<td>tr</td>
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<td>20</td>
<td>60</td>
<td>20</td>
</tr>
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**Comments:** Surface soil and alluvium excavated to approx. 0.5 ft. Sample retained in 6-inch stainless steel sleeve / Encores. Sample Type: Grab (hand sampling).
**LOG OF BORING OUTFALL009 ISRA-2010.GPJ  BOEING.GDT  3/30/11**

**Sample Interval**

<table>
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<tr>
<th>Retained Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
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<tbody>
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<td>Sample Interval</td>
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<td>0</td>
<td>SP-SM</td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 0.5 ft
- Total Depth = 1.0 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 10:10 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**USCS Soil Classification**

- **Gravel**
- **Coarse Sand**
- **Med. Sand**
- **Fine Sand**
- **Silt/Clay**

**Est. % of Soil**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>tr</td>
<td>tr</td>
<td>20</td>
<td>70</td>
<td>10</td>
</tr>
</tbody>
</table>

**Well Comp. Date:** N/A
**Completion Time:** N/A
**Well Comp. Date:** N/A
**Backfill Time:** N/A
**LOG OF BORING OUTFALL 009 ISRA-2010.GPJ  BOEING.GDT  3/30/11**

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

- Total Depth = 1.0 ft.
- Collected soil sample S001 at 11:20 from excavation sidewall.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Comments:** Sidewall of excavation

**Sample Retained:** Sample retained in 6-inch stainless steel sleeve / Encores

**Soil Backfill Date:** N/A

**Backfill Time:** N/A

**Drilling Contractor:** MP Environmental Svcs.

**Well Comp. Date:** N/A

**Completion Time:** N/A

**Soil Backfill Date:** N/A

**Backfill Time:** N/A
Surface soil and alluvium excavated to approx. 0.5 ft

Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]

Total Depth = 1.0 ft; terminated prior to refusal on bedrock.

Collected soil samples S001 and duplicate D001 at 11:56 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0620**

| Sample Interval (feet) | Sample Type | Recovery (%) | Blow Count/6" | PID (ppm) | Water Level (feet) | Graphic Log | USCS Soil Classification | Description | Est. % of Soil
|------------------------|-------------|--------------|----------------|-----------|-------------------|-------------|--------------------------|-------------|----------------
| 0                      | Sidewall of excavation | N/A          | N/A            | N/A       | N/A               | N/A         | SM                       | Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium] | tr 10 70 20
| 1                      | Sample retained in 6-inch stainless steel sleeve / Encores | 0.4          | N/A            | N/A       | N/A               | N/A         | SM                       | [See Trench Log ISRA-B1-2 for lithology] |  
| 2                      |              |              |                |           |                   |             |                          | Total Depth = 1.5 ft. |  
| 3                      |              |              |                |           |                   |             |                          | Collected soil sample S001 at 10:02 from excavation sidewall. |  
| 4                      |              |              |                |           |                   |             |                          | Excavation backfilled 01-12-2011 - 01-31-2011. |  

**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  
**Logged By:** S. Aichner  
**Reviewed By:** M. Milman-Barris, P.G.  
**Drilling Contractor:** MP Environmental Svcs.
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3.5</td>
<td>S</td>
<td>SM</td>
<td>0.1</td>
<td>3</td>
<td>SM</td>
<td>Silt/Clay</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
</tbody>
</table>

- Total Depth = 3.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 14:35 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
Boring ID: B1ET0622

Borehole Diam. (in.): 2
Total Depth (ft): 1.5
Northing (ft): 269267.94
Easting (ft): 1796944.07
Drill Start Date: 11-12-2010
Start Time: 14:16
Logged By: S. Aichner
Drill Finish Date: 11-12-2010
Finish Time: 14:29
Drilling Contractor: MP Environmental Svcs.
Depth 1st H₂O (ft): N/A
Date / Time: N/A
Depth H₂O After Drilling (ft): N/A
Date / Time: N/A
PID
Boring ID: B1ET0622

Comments: Sidewall of excavation
Well Comp. Date: N/A
Completion Time: N/A
Sample Type: Sample retained in 6-inch stainless steel sleeve / Encores
Sampler: Sample retained in 6-inch stainless steel sleeve / Encores
Soil Backfill Date: N/A
Backfill Time: N/A

Depth 1st H₂O (ft): N/A
Date / Time: N/A
Depth H₂O After Drilling (ft): N/A
Date / Time: N/A
PID

Field Instrumentation:
Drill Rig Type/Method: Grab (hand sampling)

[See Trench Log ISRA-B1-2 for lithology]

Silty Sand, pale brown (10YR 6/3), medium dense, dry, trace fine shale gravel, micaceous [Alluvium]

Total Depth = 1.5 ft.
Collected soil sample S001 at 14:29 from excavation sidewall.
Excavation backfilled 01-12-2011 - 01-31-2011.
**LOG OF BORING OUTFALL 009 ISRA-2010 GP1-BORING/GD 03/25/11**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Water Level</th>
<th>Graphite Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>3</td>
<td>S</td>
<td>SM</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, brownish yellow (10YR 6/6), loose, dry, trace fine shale gravel, micaceous [Alluvium]</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 3.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 and RWQCB split sample at 09:51 from excavation floor.</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

**Comments:** Surface soil and alluvium excavated to approx. 3 ft. Collected soil sample S001 and RWQCB split sample at 09:51 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0624**

**Job Number:** 1008208  
**Easting (ft):** 269181.59  
**Logged By:** S. Aichner  
**Northing (ft):** 1796931.52  
**Drill Start Date:** 11-15-2010  
**Drill Finish Date:** 11-15-2010  
**Drilling Contractor:** MP Environmental Svcs.

**Borehole Diam. (in.):** 2  
**Start Time:** 09:25  
**Finish Time:** 09:31  
**Logged By:** S. Aichner  
**Logged By:** S. Aichner  
**Logged By:** S. Aichner

**Sample Interval**  
<table>
<thead>
<tr>
<th>Recovery (%)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>USCS Soil Classification</th>
<th>Description</th>
<th>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SM</td>
<td>0.1</td>
<td>3</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine shale gravel, micaceous [Alluvium]</td>
<td>gravel 10 10 60 20</td>
</tr>
</tbody>
</table>

**Comments:** Surface soil and alluvium excavated to approx. 3 ft

**Sample: Sample retained in 6-inch stainless steel sleeve / Encores**

**Well Comp. Date:** N/A  
**Completion Time:** N/A

**Soil Backfill Date:** N/A  
**Backfill Time:** N/A

**Well Comp. Date:** N/A  
**Surface soil and alluvium excavated to approx. 3 ft**

**Total Depth: Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Driller's Name:** A. Vann

**Drill Rig Type/Method:** Grab (hand sampling)

**PID:** 60tr 1010

[See Trench Log ISRA-B1-2 for lithology]

Collected soil sample S001 at 09:31 from excavation floor.

**Excavation backfilled 01-12-2011 - 01-31-2011.**
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>0.1</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine shale gravel, micaceous [Alluvium]</td>
<td>tr 10 10 60 20</td>
</tr>
</tbody>
</table>

Total Depth = 1.0 ft.

Collected soil sample S001 at 09:39 from excavation sidewall.

Excavation backfilled 01-12-2011 - 01-31-2011.
**LOG OF BORING OUTFALL 009_ISRA-2010.GPJ  BOEING.GDT  3/25/11**

- **Sample Interval**: Retained
- **Sample Type**: N/A
- **Recovery (%)**: 90
- **Blow Count/6"**: 2
- **PID (ppm)**: N/A
- **Depth (feet)**: 0
- **Graphic Log**: [See Trench Log ISRA-B1-2 for lithology]
- **USCS Soil Classification**: SM
- **Description**: Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]

**Est. % of Soil**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>tr</td>
<td>10</td>
<td>60</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**
- **Surface soil and alluvium excavated to approx. 3 ft**
- **Total Depth = 3.5 ft; terminated prior to refusal on bedrock.**
- **Collected soil sample S001 at 09:45 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**
**LOG OF BORING OUTFALL009 ISRA-2010.GPJ BOEING.GDT 3/25/11**

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>S</td>
<td>S</td>
<td>0.0</td>
<td>3</td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 3 ft
- Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

**Excavation backfilled 01-12-2011 - 01-31-2011.**

**Description:**

[See Trench Log ISRA-B1-2 for lithology]

**Est. % of Soil:**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>tr</td>
<td>10</td>
<td>70</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>
**LOG OF BORING OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/25/11**

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SP</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Poorly Graded Sand, yellowish brown (10YR 5/6), medium dense, dry, weak cementation [Alluvium]</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>5</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 3.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 09:10 from excavation floor.</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

**Est. % of Soil**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 3 ft
- Total Depth = 3.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 09:10 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
### LOG OF BORING OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/25/11

#### Sample Interval
- **Sample Type:**
- **Recovery (%):**
- **Blow Count/6":**
- **PID (ppm):**
- **Water Level:**
- **Depth (feet):**
- **Graphic Log:**
- **USCS Soil Classification:**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>3</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]</td>
</tr>
</tbody>
</table>

#### Borehole Diam. (in.): 2
- **Total Depth (ft):** 3.5

#### Northing (ft): 269192.90
- **Easting (ft):** 1796877.78

#### Drill Start Date: 11-12-2010
- **Start Time:** 10:20

#### Drill Finish Date: 11-12-2010
- **Finish Time:** 10:29

#### Depth 1st H₂O (ft): N/A
- **Date / Time:** N/A

#### Depth H₂O After Drilling (ft): N/A
- **Date / Time:** N/A

#### Comments: Surface soil and alluvium excavated to approx. 3 ft

#### Well Comp. Date: N/A
- **Completion Time:** N/A

#### Sample Retained in 6-inch stainless steel sleeve / Encores: Sample retained in 6-inch stainless steel sleeve / Encores
- **Soil Backfill Date:** N/A
- **Backfill Time:** N/A

#### Sample Type
- **Sample Interval:**
- **Sample Type:**
- **Recovery (%):**
- **Blow Count/6":**
- **PID (ppm):**
- **Water Level:**
- **Depth (feet):**
- **Graphic Log:**
- **USCS Soil Classification:**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>3</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]</td>
</tr>
</tbody>
</table>

### Est. % of Soil

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 and RWQCB split sample at 10:29 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 3/4), loose, moist [Alluvium]</td>
<td>10 70 20</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td>Total Depth = 3.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>5</td>
<td></td>
<td>Collected soil sample S001 at 08:50 from excavation floor.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
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<td>6</td>
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<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
</tr>
</tbody>
</table>
**LOG OF BORING OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/30/11**

**Sample Interval Retained**

<table>
<thead>
<tr>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
</tr>
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<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td>SM</td>
</tr>
</tbody>
</table>

**Description**

[See Trench Log ISRA-B1-2 for lithology]

<table>
<thead>
<tr>
<th></th>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silty Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Est. % of Soil</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments:** Surface soil and alluvium excavated to approx. 3 ft.

**Comments:** Silty Sand, dark yellowish brown (10YR 3/4), loose, moist, trace fine gravel, micaceous [Alluvium]

**Comments:** Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

**Comments:** Collected soil samples S001 and duplicate D001 at 09:57 from excavation floor.

**Comments:** Excavation backfilled 01-12-2011 - 01-31-2011.

---

**Job Number:** 1008208

**Logged By:** S. Aichner

**Noting (ft):** 269160.94

**Easting (ft):** 1796858.57

**Start Time:** 09:46

**Finish Time:** 09:57

---

**Comments:** Sample retained in 6-inch stainless steel sleeve / Encores

**Comments:** Well Comp. Date: N/A

**Comments:** Completion Time: N/A

**Comments:** Backfill Time: N/A

---

**Comments:** Sample retained in 6-inch stainless steel sleeve / Encores

**Comments:** Soil Backfill Date: N/A

**Comments:** Backfill Time: N/A

---

**Comments:** Sample retained in 6-inch stainless steel sleeve / Encores

**Comments:** Soil Backfill Date: N/A

**Comments:** Backfill Time: N/A
Borehole Diam. (in.): 2  Total Depth (ft): 3.5  Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
Northing (ft): 269160.49  Easting (ft): 1796886.52  Job Number: 1008208
Drill Start Date: 11-15-2010  Start Time: 08:10  Logged By: N. Beaty
Drill Finish Date: 11-15-2010  Finish Time: 08:20  Drilling Contractor: Jacob & Hefner Assoc.
Depth 1st H2O (ft): N/A  Date / Time: N/A
Depth H2O After Drilling (ft): N/A  Date / Time: N/A
Drill Rig Type/Method: Grab (hand sampling)
Driller’s Name: J. Ortiz
Comments: Surface soil and alluvium excavated to approx. 3 ft

[See Trench Log ISRA-B1-2 for lithology]

Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, weak cementation [Alluvium]

Total Depth = 3.5 ft; terminated prior to refusal on bedrock.
Collected soil sample S001 at 08:20 from excavation floor.
Excavation backfilled 01-12-2011 - 01-31-2011.

Est. % of Soil

Gravel
Coarse Sand
Med. Sand
Fine Sand
Silt/Clay

5 75 20
**Sample Interval Retained**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.0</td>
<td>SM</td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand</td>
<td>Silty Sand, dark yellowish brown (10YR 3/4), loose, moist</td>
<td></td>
</tr>
<tr>
<td>3</td>
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<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Total Depth = 3.0 ft (depth of excavation at this location).</td>
<td></td>
</tr>
</tbody>
</table>

Collected soil sample S001 at 08:40 from excavation sidewall at contact between loose and more compacted subsurface silty sand.

Excavation backfilled 01-12-2011 - 01-31-2011.
**MWH**

**Boring ID: B1ET0634**

<table>
<thead>
<tr>
<th>Borehole Diam. (in.):</th>
<th>2</th>
<th>Total Depth (ft):</th>
<th>2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northing (ft):</td>
<td>269232.09</td>
<td>Easting (ft):</td>
<td>1796873.54</td>
</tr>
<tr>
<td>Drill Start Date:</td>
<td>11-15-2010</td>
<td>Start Time:</td>
<td>10:26</td>
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<tr>
<td>Drill Finish Date:</td>
<td>11-15-2010</td>
<td>Finish Time:</td>
<td>10:30</td>
</tr>
<tr>
<td>Depth 1st H₂O (ft):</td>
<td>N/A</td>
<td>Date / Time:</td>
<td>N/A</td>
</tr>
<tr>
<td>Depth H₂O After Drilling (ft):</td>
<td>N/A</td>
<td>Date / Time:</td>
<td>N/A</td>
</tr>
<tr>
<td>Comments:</td>
<td>Sidewall of excavation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Logged By:** S. Aichner

**Reviewed By:** M. Milman-Barris, P.G.

**SN:** B1ET0634

**Description:**

<table>
<thead>
<tr>
<th>PID</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM</td>
</tr>
</tbody>
</table>

[See Trench Log ISRA-B1-2 for lithology]

**USCS Soil Classification:**

- **Silty Sand, brownish yellow (10YR 6/6), medium dense, dry, trace fine sandstone gravel, micaceous [Alluvium]**

**Comments:**

- Total Depth = 2.5 ft.
- Collected soil sample S001 at 10:30 from excavation sidewall.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Sample Interval Retained**

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.1</td>
<td>SM</td>
</tr>
</tbody>
</table>

**Field Instrumentation:**

- **Gravel:** tr
- **Coarse Sand:** tr
- **Med. Sand:** 10
- **Fine Sand:** 70
- **Silt/Clay:** 20

**Est. % of Soil**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>tr</td>
<td>tr</td>
<td>10</td>
<td>70</td>
<td>20</td>
</tr>
</tbody>
</table>

**Web of Boring:** OUTLET009_Isra-2010.GPJ  BOEING.GDT  3/30/11

**Reviewed By:** A. Vann

Driller's Name: A. Vann

Drilling Contractor: MP Environmental Svcs.
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 4/6), medium dense, dry, weak cementation [Alluvium]</td>
</tr>
<tr>
<td>2</td>
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<td></td>
<td></td>
<td></td>
<td>Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:00 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>
[See Trench Log ISRA-B1-2 for lithology]

Silty Sand, dark yellowish brown (10YR 4/4), medium dense, moist [Alluvium]

Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 09:25 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
[See Trench Log ISRA-B1-2 for lithology]

- **Description**: Silty Sand, dark yellowish brown (10YR 4/4), medium dense, moist [Alluvium]
- **Est. % of Soil**: Silt/Clay 10 70 20

**Comments**: Surface soil and alluvium excavated to approx. 3 ft

**Total Depth = 3.5 ft; terminated prior to refusal on bedrock.**

**Collected soil sample S001 at 09:35 from excavation floor.**

**Excavation backfilled 01-12-2011 - 01-31-2011.**
Boring ID: B1ET0638

Borehole Diam. (in.): 2
Total Depth (ft): 3.5

Noting (ft): 269173.26
Easting (ft): 1796842.94

Drill Start Date: 11-15-2010
Start Time: NR

Job Number: 1008208
Site: B1-2

Logged By: N. Beaty
Reviewed By: M. Milman-Barris, P.G.

Drill Finish Date: 11-15-2010
Finish Time: 09:50

Drilling Contractor: Jacob & Hefner Assoc.
Field Instrumentation: PID

Depth 1st H2O (ft): N/A
Date / Time: N/A

Drill Rig Type/Method: Grab (hand sampling)

Depth H2O After Drilling (ft): N/A
Date / Time: N/A

Driller’s Name: J. Ortiz

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A
Completion Time: N/A

Sample Type: Sample retained in 6-inch stainless steel sleeve / Encores

Job Number: 1008208

PROJECT: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Sample Interval Retained

Sample Type

Recovery (%) Blow Count/6" PID (ppm)

Water Level

Depth (feet)

USCS Soil Classification

Description

Gravel

Coarse Sand

Med. Sand

Fine Sand

Silty Clay

Est. % of Soil

[See Trench Log ISRA-B1-2 for lithology]

Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, weak cementation [Alluvium]

Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 09:50 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
## Description

<table>
<thead>
<tr>
<th>Sample Interval (ft)</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>SM</td>
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<td></td>
<td></td>
<td>USCS Soil Classification</td>
<td>Silty Sand, dark grayish brown (10YR 4/2), loose, dry, micaceous, staining, slight odor</td>
<td></td>
</tr>
</tbody>
</table>

- **Total Depth** = 3.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 11:21 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Comments:** Surface soil and alluvium excavated to approx. 3 ft

**Well Comp. Date:** N/A  **Completion Time:** N/A

**Samplers:** Sample retained in 6-inch stainless steel sleeve / Encores  **Soil Backfill Date:** N/A  **Backfill Time:** N/A
**Boring ID: B1ET0640**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Northing (ft):** 269147.97
- **Easting (ft):** 1796828.59
- **Job Number:** 1008208
- **Site:** B1-2
- **Drill Start Date:** 11-12-2010
- **Start Time:** 10:55
- **Logged By:** S. Aichner
- **Reviewed By:** M. Milman-Barris, P.G.
- **Drill Finish Date:** 11-12-2010
- **Finish Time:** 11:12
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID

**Comments:**
- Surface soil and alluvium excavated to approx. 2 ft
- Collected soil sample S001 at 11:12 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**USCS Soil Classification**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Water Level</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Depth H2O After Drilling (ft)</th>
<th>Sample Retained</th>
<th>Sample Type</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td>N/A</td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td></td>
<td>Collected soil sample S001 at 11:12 from excavation floor.</td>
</tr>
<tr>
<td>4</td>
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<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

**Classification:**
- Silt/Clay
- Fine Sand
- Medium Sand
- Coarse Sand
- Gravel

**Est. % of Soil**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td>70</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**Retained:** S

**Surface soil and alluvium excavated to approx. 2 ft**

**Well Comp. Date:** N/A
**Completion Time:** N/A

**Sample Retained in 6-inch stainless steel sleeve / Encores**

**Soil Backfill Date:** N/A
**Backfill Time:** N/A
### LOG OF BORING  OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/30/11

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.1</td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]</td>
</tr>
</tbody>
</table>

- **Depth 1st H₂O (ft):** N/A
- **Date / Time:** N/A
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Easting (ft):** 269124.05
- **N/A**
- **PID:** 269124.05
- **N/A**
- **Northing (ft):** 269124.05
- **269124.05**
- **Date / Time:** 11-12-2010
- **N/A**
- **PID:** N/A
- **N/A**
- **Start Time:** 10:41
- **Finish Time:** 10:54
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID
- **Comments:** Surface soil and alluvium excavated to approx. 2 ft
- **Sample Type:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Sample Interval Retained:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Sample Type:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Recovery (%):** S
- **Blow Count/6”:** 0.1
- **PID (ppm):** N/A
- **Water Level:** N/A
- **Depth (feet):** N/A
- **Graphic Log:** SM
- **USCS Soil Classification:** SM
- **Est. % of Soil:**
  - **Gravel:** 10
  - **Coarse Sand:** 70
  - **Med. Sand:** 20
  - **Fine Sand:**
  - **Silt/Clay:**

- **Comments:**
  - Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
  - Collected soil sample S001 at 10:54 from excavation floor.
  - Excavation backfilled 01-12-2011 - 01-31-2011.
  - [See Trench Log ISRA-B1-2 for lithology]
Boring ID: B1ET0642

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Water Level</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
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<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), medium dense, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>Total Depth = 2.0 ft.</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Collected soil samples S001 and split S001SP at 13:40 from excavation sidewall.</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

- **Easting (ft):** 1796757.93
- **Northing (ft):** 269239.79
- **Logged By:** S. Aichner
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Job Number:** 1008208
- **Start Time:** 13:28
- **PID:** B1ET0642
- **Start Date:** 11-15-2010
- **Site:** B1-2
- **End Time:** 13:40
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID
- **Driller’s Name:** A. Vann
- **Date / Time:** 11-15-2010
- **N/A**: N/A
- **Date / Time:** 11-15-2010
- **N/A**: N/A
- **Easting (ft):** 1796757.93
- **Northing (ft):** 269239.79
- **Logged By:** S. Aichner
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Job Number:** 1008208
- **Start Time:** 13:28
- **PID:** B1ET0642
- **Start Date:** 11-15-2010
- **Site:** B1-2
- **End Time:** 13:40
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID
- **Driller’s Name:** A. Vann
- **Date / Time:** 11-15-2010
- **N/A**: N/A
- **Date / Time:** 11-15-2010
- **N/A**: N/A

- **Est. % of Soil**
  - **Gravel:** tr
  - **Coarse Sand:** 10
  - **Med. Sand:** 10
  - **Fine Sand:** 60
  - **Silt/Clay:** 20

- **Total Depth:** 2.0 ft.

[See Trench Log ISRA-B1-2 for lithology]
**Boring ID: B1ET0643**

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blower Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

- **Depth 1st H2O (ft):** N/A
- **Date / Time:** N/A
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Drill Start Date:** 11-12-2010
- **Start Time:** 13:42
- **Drill Finish Date:** 11-12-2010
- **Finish Time:** 13:56
- **Easting (ft):** 1796758.94
- **N/A**
- **Logged By:** S. Aichner
- **Drilling Contractor:** MP Environmental Svcs.
- **Reviewed By:** M. Milman-Barris, P.G.
- **PID**
- **Start Time:** 13:56
- **Finish Time:** 13:56
- **Date / Time:** N/A
- **PID**
- **Sample Type**
- **Sample Interval Retained**
- **Recovered Sample**
- **Blower Count/6"**
- **PID (ppm)**
- **Water Level (feet)**
- **Graphic Log**
- **USCS Soil Classification**
- **SM**
- **Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]**

**Comments:**
- **Surface soil and alluvium excavated to approx. 2 ft**
- **Well Comp. Date:** N/A
- **Completion Time:** N/A
- **Samplers:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Soil Backfill Date:** N/A
- **Backfill Time:** N/A
- **Driller's Name:** A. Vann

- **Proj:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Job Number:** 1008208
- **Site:** B1-2
- **Logged By:** S. Aichner
- **Reviewed By:** M. Milman-Barris, P.G.

**Comments:**
- *Surface soil and alluvium excavated to approx. 2 ft*
- *Sample retained in 6-inch stainless steel sleeve / Encores*
- *Excavation backfilled 01-12-2011 - 01-31-2011.*

**Description:**
- **Total Depth = 2.5 ft:** terminated prior to refusal on bedrock.
- **Collected soil sample S001 at 13:56 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**
**LOG OF BORING OUTFALL009 ISRA-2010.GPJ  BOEING.GDT  3/30/11**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 3.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Northing (ft):** 269129.83
- **Easting (ft):** 1796799.80
- **Job Number:** 1008208
- **Site:** B1-2

**Logged By:** N. Beaty
**Reviewed By:** M. Milman-Barris, P.G.
**Driller’s Name:** J. Ortiz

**Comments:** Surface soil and alluvium excavated to approx. 3 ft

**Boring ID:** B1ET0644
**Completion Time:** N/A
**Well Comp. Date:** N/A

- **Sample Interval Retained:**
  - Water Level
  - Depth (feet)
  - Graphic Log
  - USCS Soil Classification
  - Description
  - Est. % of Soil

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Retained</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>SiltyClay</th>
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</thead>
<tbody>
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<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td>Silty Sand, yellowish brown (10YR 5/6), medium dense, dry, weak cementation [Alluvium]</td>
<td>15</td>
<td>70</td>
<td>15</td>
<td></td>
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</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 3.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 10:25 from excavation floor.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Surface soil and alluvium excavated to approx. 3 ft.**

**Sample retained in 6-inch stainless steel sleeve / Encores**

**Soil Backfill Date:** N/A
**Backfill Time:** N/A
### Boring ID: B1ET0645

<table>
<thead>
<tr>
<th>Depth 1st H₂O (ft):</th>
<th>NR</th>
<th>Date / Time:</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backfill Time:</td>
<td>N/A</td>
<td>Start Time:</td>
<td>10:00</td>
</tr>
<tr>
<td>Field Instrumentation:</td>
<td>N/A</td>
<td>Driller's Name:</td>
<td>J. Ortiz</td>
</tr>
<tr>
<td>Borehole Diam. (in.):</td>
<td>2</td>
<td>Total Depth (ft):</td>
<td>3.5</td>
</tr>
<tr>
<td>Easting (ft):</td>
<td>1796812.55</td>
<td>Job Number:</td>
<td>1008208</td>
</tr>
<tr>
<td>Drilling Contractor:</td>
<td>Jacob &amp; Hefner Assoc.</td>
<td>Reviewed By:</td>
<td>M. Milman-Barris, P.G.</td>
</tr>
<tr>
<td>Start Time:</td>
<td>11-15-2010</td>
<td>Logged By:</td>
<td>N. Beaty</td>
</tr>
<tr>
<td>Drill Rig Type/Method:</td>
<td>Grab (hand sampling)</td>
<td>Site:</td>
<td>B1-2</td>
</tr>
<tr>
<td>Well Comp. Date:</td>
<td>N/A</td>
<td>Completion Time:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Comments:** Surface soil and alluvium excavated to approx. 3 ft

**Log:**

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PIP (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>3</td>
<td>SM</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), medium dense, dry, weak cementation [Alluvium]</td>
</tr>
</tbody>
</table>

Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 10:00 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
### Boring ID: B1ET0646

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 3.5  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  
**Northing (ft):** 269174.76  
**Easting (ft):** 1796823.22  
**Job Number:** 1008208  
**Site:** B1-2  
**Drill Start Date:** 11-15-2010  
**Start Time:** 10:50  
**Logged By:** S. Aichner  
**Drill Finish Date:** 11-15-2010  
**Finish Time:** 11:03  
**Drilling Contractor:** MP Environmental Svcs.  
**Drill Rig Type/Method:** Grab (hand sampling)  
**Field Instrumentation:** PID  
**Comments:** Surface soil and alluvium excavated to approx. 3 ft  
**Sample Interval: Sample Type**  
**Recovery (%)**  
**Blow Count/6”**  
**PID (ppm)**  
**Water Level**  
<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
<th>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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</tr>
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<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td>tr 10 10 60 20</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:03 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
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</tr>
<tr>
<td>7</td>
<td></td>
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<tr>
<td>8</td>
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</tr>
<tr>
<td>10</td>
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</tr>
</tbody>
</table>
### LOG OF BORING OUTFALL 009 ISRA-2010.GPJ  BOEING.GDT  3/30/11

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type Retained</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sample retained in 6-inch stainless steel sleeve / Encores</td>
<td>0.1</td>
<td>SM</td>
<td>tr tr</td>
<td>10</td>
<td>3</td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/6), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 3 ft
- Collected soil sample S001 at 10:43 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Notes:**
- [See Trench Log ISRA-B1-2 for lithology]
- Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

**Table:**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Water Level</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Soil Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td>0.1</td>
<td>SM</td>
<td>tr tr</td>
<td>Silty Sand, yellowish brown (10YR 5/6), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
</tbody>
</table>

**Est. % of Soil:**

<table>
<thead>
<tr>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Sil/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>tr</td>
<td>tr</td>
<td>10</td>
<td>70</td>
<td>20</td>
</tr>
</tbody>
</table>

**Drilling Details:**
- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 3.5
- **Noting (ft):** 269196.10
- **Easting (ft):** 1796838.85
- **Drill Start Date:** 11-15-2010
- **Start Time:** 10:31
- **Drill Finish Date:** 11-15-2010
- **Finish Time:** 10:43
- **Depth 1st H2O (ft):** N/A
- **Date / Time:** N/A
- **PID:** N/A
- **Date / Time:** N/A
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Depth H2O After Drilling (ft):** N/A
- **Date / Time:** N/A
- **Driller's Name:** A. Vann

**Project Information:**
- **Boring ID:** B1ET0647
- **Logged By:** S. Aichner
- **Sheet:** 1
- **Job Number:** 1008208
- **Site:** B1-2
- **Drilling Contractor:** MP Environmental Svcs.
### ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
#### Boring ID: B1ET0648

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 4/6), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
</tbody>
</table>

- **Depth**: 3.5 ft
- **Ground Water**: N/A
- **Well Comp. Date**: N/A
- **Completion Time**: N/A
- **Drill Rig Type/Method**: Grab (hand sampling)

**Comments**: Surface soil and alluvium excavated to approx. 3 ft

**Sample Retained**: Sample retained in 6-inch stainless steel sleeve / Encores

**Drill Start Date**: 11-15-2010
**Start Time**: 10:07
**Log On By**: S. Aichner

**Drill Finish Date**: 11-15-2010
**Finish Time**: 10:24
**Drilling Contractor**: MP Environmental Svcs.
**Field Instrumentation**: PID

**Depth H₂O After Drilling**: N/A
**Date / Time**: N/A
**Driller’s Name**: A. Vann

**Comments**: Surface soil and alluvium excavated to approx. 3 ft

**Sample Retained**: Sample retained in 6-inch stainless steel sleeve / Encores

**Sample Type**: Grab (hand sampling)

**Comments**: Surface soil and alluvium excavated to approx. 3 ft
**LOG OF BORING OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/30/11**

**Description**

- [See Trench Log ISRA-B1-2 for lithology]

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]</td>
</tr>
</tbody>
</table>

**Comments:**

- Surface soil and alluvium excavated to approx. 3 ft
- Collected soil sample S001 at 12:38 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
- Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

**Est. % of Soil**

- Gravel
- Coarse Sand
- Med. Sand
- Fine Sand
- Silt/Clay

- Total Depth = 3.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 12:38 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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<td></td>
<td></td>
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<td></td>
<td>0</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>S</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), medium dense, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

- **Total Depth** = 3.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 10:49 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

- Surface soil and alluvium excavated to approx. 3 ft.
- Sample retained in 6-inch stainless steel sleeve / Encores
- Soil Backfill Date: N/A
- Backfill Time: N/A

**Comments:**
- Sample Type: Sample retained in 6-inch stainless steel sleeve / Encores
- Well Comp. Date: N/A
- Completion Time: N/A
- Field Instrumentation: PID
- Surface soil and alluvium excavated to approx. 3 ft
- Collected soil sample S001 at 10:49 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
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<tr>
<td>0</td>
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<td></td>
<td></td>
<td>0.1</td>
<td>SM</td>
<td>Silt/Clay</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

- **Silty Sand, yellowish brown (10YR 5/6), medium dense, dry, weak cementation, trace iron oxide staining [Alluvium]**

**Comments:**
- Surface soil and alluvium excavated to approx. 3 ft
- Well Comp. Date: N/A
- Completion Time: N/A
- Sample retained in 6-inch stainless steel sleeve / Encores
- Soil Backfill Date: N/A
- Backfill Time: N/A
- Total Depth = 3.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 10:10 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.0</td>
<td>SM</td>
<td>1</td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, micaceous [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

Total Depth = 1.5 ft.

Collected soil sample S001 at 11:41 from excavation sidewall.

Excavation backfilled 01-12-2011 - 01-31-2011.

[See Trench Log ISRA-B1-2 for lithology]
**Boring ID: B1ET0653**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 5.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Job Number:** 1008208
- **Site:** B1-2
- **Logged By:** S. Aichner
- **Reviewed By:** M. Milman-Barris, P.G.

**Comments:** Surface soil and alluvium excavated to approx. 5 ft

**Sample Retained:** Sample retained in 6-inch stainless steel sleeve / Encores

**Easting (ft):** 269213.16
**Northing (ft):** 0

---

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID</th>
<th>Water Level</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>S</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

- **Total Depth = 5.5 ft; terminated prior to refusal on bedrock.**
- **Collected soil sample S001 at 12:53 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**
Boring ID: B1ET0654

Borehole Diam. (in.): 2
Total Depth (ft): 3.5
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Northing (ft): 269223.10
Easting (ft): 1796816.92
Job Number: 1008208
Site: B1-2

Drill Start Date: 11-15-2010
Start Time: 11:03
Logged By: S. Aichern

Drill Finish Date: 11-15-2010
Finish Time: 11:10
Drilling Contractor: MP Environmental Svcs.

Depth 1st H₂O (ft): N/A
Date / Time: N/A
Drill Rig Type/Method: Grab (hand sampling)

Depth H₂O After Drilling (ft): N/A
Date / Time: N/A

Driller's Name: A. Vann

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A
Completion Time: N/A

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A
Backfill Time: N/A

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Wallingford, Inc.

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Boring ID: B1ET0654

Borehole Diam. (in.): 2
Total Depth (ft): 3.5
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Northing (ft): 269223.10
Easting (ft): 1796816.92
Job Number: 1008208
Site: B1-2

Drill Start Date: 11-15-2010
Start Time: 11:03
Logged By: S. Aichern

Drill Finish Date: 11-15-2010
Finish Time: 11:10
Drilling Contractor: MP Environmental Svcs.

Depth 1st H₂O (ft): N/A
Date / Time: N/A
Drill Rig Type/Method: Grab (hand sampling)

Depth H₂O After Drilling (ft): N/A
Date / Time: N/A

Driller's Name: A. Vann

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A
Completion Time: N/A

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A
Backfill Time: N/A

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Wallingford, Inc.

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Boring ID: B1ET0654

Borehole Diam. (in.): 2
Total Depth (ft): 3.5
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Northing (ft): 269223.10
Easting (ft): 1796816.92
Job Number: 1008208
Site: B1-2

Drill Start Date: 11-15-2010
Start Time: 11:03
Logged By: S. Aichern

Drill Finish Date: 11-15-2010
Finish Time: 11:10
Drilling Contractor: MP Environmental Svcs.

Depth 1st H₂O (ft): N/A
Date / Time: N/A
Drill Rig Type/Method: Grab (hand sampling)

Depth H₂O After Drilling (ft): N/A
Date / Time: N/A

Driller's Name: A. Vann

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A
Completion Time: N/A

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A
Backfill Time: N/A

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Wallingford, Inc.

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Boring ID: B1ET0654

Borehole Diam. (in.): 2
Total Depth (ft): 3.5
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Northing (ft): 269223.10
Easting (ft): 1796816.92
Job Number: 1008208
Site: B1-2

Drill Start Date: 11-15-2010
Start Time: 11:03
Logged By: S. Aichern

Drill Finish Date: 11-15-2010
Finish Time: 11:10
Drilling Contractor: MP Environmental Svcs.

Depth 1st H₂O (ft): N/A
Date / Time: N/A
Drill Rig Type/Method: Grab (hand sampling)

Depth H₂O After Drilling (ft): N/A
Date / Time: N/A

Driller's Name: A. Vann

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A
Completion Time: N/A

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A
Backfill Time: N/A

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Wallingford, Inc.

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Boring ID: B1ET0654

Borehole Diam. (in.): 2
Total Depth (ft): 3.5
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Northing (ft): 269223.10
Easting (ft): 1796816.92
Job Number: 1008208
Site: B1-2

Drill Start Date: 11-15-2010
Start Time: 11:03
Logged By: S. Aichern

Drill Finish Date: 11-15-2010
Finish Time: 11:10
Drilling Contractor: MP Environmental Svcs.

Depth 1st H₂O (ft): N/A
Date / Time: N/A
Drill Rig Type/Method: Grab (hand sampling)

Depth H₂O After Drilling (ft): N/A
Date / Time: N/A

Driller's Name: A. Vann

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A
Completion Time: N/A

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A
Backfill Time: N/A

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Wallingford, Inc.

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Boring ID: B1ET0654

Borehole Diam. (in.): 2
Total Depth (ft): 3.5
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Northing (ft): 269223.10
Easting (ft): 1796816.92
Job Number: 1008208
Site: B1-2

Drill Start Date: 11-15-2010
Start Time: 11:03
Logged By: S. Aichern

Drill Finish Date: 11-15-2010
Finish Time: 11:10
Drilling Contractor: MP Environmental Svcs.

Depth 1st H₂O (ft): N/A
Date / Time: N/A
Drill Rig Type/Method: Grab (hand sampling)

Depth H₂O After Drilling (ft): N/A
Date / Time: N/A

Driller's Name: A. Vann

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A
Completion Time: N/A

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A
Backfill Time: N/A

Easting (ft): 1796816.92
Start Time: 11:03
Finish Time: 11:10

Wallingford, Inc.
<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
<th>Est. % of Soil</th>
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<tbody>
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<td>0</td>
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<td>[See Trench Log ISRA-B1-2 for lithology]</td>
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<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]</td>
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</table>

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A  Completion Time: N/A

Samplers: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A  Backfill Time: N/A

MP Environmental Svcs.
Boring ID: B1ET0656

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<th>Borehole Diam. (in.): 2</th>
<th>Total Depth (ft): 3.5</th>
<th>Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</th>
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<tbody>
<tr>
<td>Northing (ft): 269253.91</td>
<td>Easting (ft): 1796816.91</td>
<td>Job Number: 1008208 Site: B1-2</td>
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<td>Drill Start Date: 11-15-2010</td>
<td>Start Time: 11:05</td>
<td>Logged By: S. Aichner</td>
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<td>Depth 1st H₂O (ft): N/A</td>
<td>Date / Time: N/A</td>
<td>Field Instrumentation: PID</td>
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<td>Depth H₂O After Drilling (ft): N/A</td>
<td>Date / Time: N/A</td>
<td>Drill Rig Type/Method: Grab (hand sampling)</td>
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<td>Comments: Surface soil and alluvium excavated to approx. 3 ft</td>
<td>Well Comp. Date: N/A</td>
<td>Completion Time: N/A</td>
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</tbody>
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| Samplers: Sample retained in 6-inch stainless steel sleeve / Encores | Soil Backfill Date: N/A | Backfill Time: N/A |

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<td>[See Trench Log ISRA-B1-2 for lithology]</td>
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<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td>tr 10 10 60 20</td>
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<tr>
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</tr>
</tbody>
</table>

Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

Collected soil samples S001 and split S001SP at 11:21 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
MWH

Boring ID: B1ET0657

Borehole Diam. (in.): 2  Total Depth (ft): 3.5  Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
Northing (ft): 269234.64  Easting (ft): 1796809.57  Job Number: 1008208  Site: B1-2
Drill Start Date: 11-15-2010  Start Time: NR  Logged By: N. Beaty  Reviewed By: M. Milman-Barris, P.G.
Drill Finish Date: 11-15-2010  Finish Time: 11:10  Drilling Contractor: Jacob & Hefner Assoc.  Field Instrumentation: PID
Depth 1st H2O (ft): N/A Date / Time: N/A  Drill Rig Type/Method: Grab (hand sampling)
Depth H2O After Drilling (ft): N/A  Date / Time: N/A  Driller’s Name: J. Ortiz

Comments: Surface soil and alluvium excavated to approx. 3 ft

Well Comp. Date: N/A  Completion Time: N/A

Sample Retained: Sample retained in 6-inch stainless steel sleeve / Encores

Soil Backfill Date: N/A  Backfill Time: N/A

Sample Interval  Retained  Sample Type  Recovery (%)  Blow Count/6”  PID (ppm)  Water Level  Depth (feet)  Graphic Log  USCS Soil Classification  Description  Est. % of Soil

0  
1  
2  
3  SM  Silty Sand, yellowish brown (10YR 5/4), medium dense, dry, weak cementation [Alluvium]  15 70 15

4  
5  
6  
7  
8  
9  
10  

Total Depth = 3.5 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 11:10 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**LOG OF BORING**

**Boring ID:** B1ET0658

**Borehole Diam. (in.):** 2
**Total Depth (ft):** 3.5

**Northing (ft):** 269228.00
**Easting (ft):** 1796784.74

**Drill Start Date:** 11-12-2010
**Start Time:** 13:10
**Logged By:** S. Aichner
**Reviewed By:** M. Milman-Barris, P.G.

**Drill Finish Date:** 11-12-2010
**Finish Time:** 13:22
**Drilling Contractor:** MP Environmental Svcs.
**Field Instrumentation:** PID

**Depth 1st H2O (ft):** N/A
**Date / Time:** N/A
**Drill Rig Type/Method:** Grab (hand sampling)

**Depth H2O After Drilling (ft):** N/A
**Date / Time:** N/A
**Driller's Name:** A. Vann

**Comments:** Surface soil and alluvium excavated to approx. 3 ft

**Sample Interval**

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<tbody>
<tr>
<td>0.0</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td>Silty Sand, yellowish brown (10YR 5/6), loose, dry, micaceous [Alluvium]</td>
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<td></td>
<td>Total Depth = 3.5 ft; terminated prior to refusal on bedrock.</td>
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<td></td>
<td>Collected soil sample S001 at 13:22 from excavation floor.</td>
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<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

**Sample Retained**

- Sample retained in 6-inch stainless steel sleeve / Encores

**Well Comp. Date:** N/A
**Completion Time:** N/A

**Well Comp. Date:** N/A
**Gravel:**
- **Coarse Sand:**
- **Med. Sand:**
- **Fine Sand:**
- **Clay:**
<table>
<thead>
<tr>
<th>Depth Interval</th>
<th>Recovery (%)</th>
<th>Blown Count/6&quot;</th>
<th>Water Level</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
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<tbody>
<tr>
<td>0 - 1 ft</td>
<td>s 0.6</td>
<td></td>
<td>SM</td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/6), loose, dry, trace fine sandstone gravel, micaceous</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

- Total Depth = 1.0 ft.
- Collected soil sample S001 at 12:56 from excavation sidewall.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Comments:** Sidewall of excavation

**Samplers:** Sample retained in 6-inch stainless steel sleeve / Encores

**Soil Backfill Date:** N/A

**Backfill Time:** N/A

**Well Comp. Date:** N/A

**Completion Time:** N/A

**Drill Rig Type/Method:** Grab (hand sampling)

**Field Instrumentation:** PID

**Driller's Name:** A. Vann

**Drilling Contractor:** MP Environmental Svcs.

**Reviewed By:** M. Milman-Barris, P.G.

**Logged By:** S. Aichner

**Sheet 1 of 1**
### Boring ID: B1ET0660

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 3.0  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Northing (ft):** 269267.09  
**Easting (ft):** 1796817.11  
**Job Number:** 1008208  
**Site:** B1-2

**Drill Start Date:** 11-15-2010  
**Start Time:** NR  
**Logged By:** N. Beaty  
**Reviewed By:** M. Milman-Barris, P.G.

**Drill Finish Date:** 11-15-2010  
**Finish Time:** 11:25  
**Drilling Contractor:** Jacob & Hefner Assoc.  
**Field Instrumentation:** PID

**Depth 1st H₂O (ft):** N/A  
**Date / Time:** N/A  
**Drill Rig Type/Method:** Grab (hand sampling)

**Depth H₂O After Drilling (ft):** N/A  
**Date / Time:** N/A  
**Driller's Name:** J. Ortiz

**Comments:** Sidewall of excavation

**Collected soil sample S001 at 11:25 from excavation sidewall.**

**Excavation backfilled 01-12-2011 - 01-31-2011.**

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
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<td>0.2</td>
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<td>Silty Sand, dark yellowish brown (10YR 4/4), medium dense, moist [Alluvium]</td>
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<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
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<tr>
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<td></td>
<td></td>
<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

**Water Level:**
- **Total Depth = 3.0 ft (depth of excavation at this location).**
- **Collected soil sample S001 at 11:25 from excavation sidewall.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**

**Est. % of Soil**
- **Gravel:** 10
- **Coarse Sand:** 70
- **Med. Sand:** 20
- **Fine Sand:**
- **Silt/Clay:**