<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>Water Level (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
<th>jButton</th>
<th>% of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td>tr</td>
<td>20 60 20</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td>Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:55 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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: M. Aichner  
Reviewed By: M. Milman-Barris, P.G.  
Drill Start Date: 09-23-2010  
Start Time: 14:00  
Boring ID: 1796769.93  
Drill Finish Date: 09-23-2010  
Finish Time: 14:14  
Drilling Contractor: MP Environmental Svcs.  
Field Instrumentation: PID

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type Retained</th>
<th>Recovery (%)</th>
<th>Blowing Count/6&quot;</th>
<th>Water Level</th>
<th>PID</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>SM</td>
<td>Silty Sand, brown (10YR 5/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td>S</td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 14:14 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

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

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

**Sample Type**

- **Sample Interval:** 0
- **Sample Type:** SM
- **Recovery (%):** 0.1
- **Blowing Count/6":**
- **Water Level:**
- **PID:**
- **USCS Soil Classification:** Silty Sand, brown (10YR 5/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]

**Description:**

- Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 14:14 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
Boring ID: B1ET0510

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 2.5  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Nothing (ft):** 269152.52  
**Easting (ft):** 1796913.52  
**Job Number:** 1008208  
**Drill Start Date:** 09-24-2010  
**Start Time:** 08:30  
**Site:** B1-2  
**Logged By:** N. Beaty  
**Job Number:** 1008208  
**Reviewed By:** M. Milman-Barris, P.G.

**Drill Finish Date:** 09-24-2010  
**Finish Time:** 08:55  
**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:** R. Vasquez

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

---

**Sample Interval**

<table>
<thead>
<tr>
<th>Sample Type</th>
<th>Sample Retained</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**USCS Soil Classification**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
</table>

- Sandstone, yellowish brown (10YR 5/6), highly weathered, moderately cemented, massive [Chatsworth Formation]
- Total Depth = 2.5 ft; refusal on bedrock.
- Collected soil sample S001 at 08:40 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

---

**Est. % of Soil**

- **Gravel:** 10%
- **Coarse Sand:** 70%
- **Med. Sand:** 20%
**Boring ID: B1ET0511**

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

- **Northing (ft):** 269164.43
- **Easting (ft):** 1796922.36

- **Drill Start Date:** 09-24-2010
- **Start Time:** 08:50
- **Logged By:** J. Parkes

- **Drill Finish Date:** 09-24-2010
- **Finish Time:** 09:00
- **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:** D. Velasquez

- **Boring ID:** 1796922.36

**Comments:**
- **Surface soil and alluvium excavated to approx. 2 ft**
- **Retained:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Backfilled:** 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>Water Level</th>
<th>Depth (feet)</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td>2</td>
<td></td>
<td>Silty Sand, brownish yellow (10YR 6/6), loose, dry [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

- **Total Depth = 2.5 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.**

**Est. % of Soil**

- **Gravel:** 20
- **Coarse Sand:** 60
- **Med. Sand:** 20
- **Fine Sand:** 20
- **Silt/Clay:** 20

---

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

<table>
<thead>
<tr>
<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>SM</td>
<td>0.2</td>
<td>2</td>
<td>SM</td>
<td>0.2</td>
<td>10</td>
<td></td>
<td>S0.2</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 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 at 09:05 from excavation floor.</td>
</tr>
<tr>
<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>

**PID (ppm)**

<table>
<thead>
<tr>
<th>Depth H₂O After Drilling (ft): N/A</th>
<th>Date / Time: N/A</th>
<th>Driller’s Name: A. Vann</th>
</tr>
</thead>
</table>

**Comments:**

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.

**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>10</td>
<td>60</td>
<td>20</td>
</tr>
<tr>
<td>Sample Interval</td>
<td>Sample Type</td>
<td>Recovery (%)</td>
<td>Blow Count/6&quot;</td>
<td>Water Level</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------</td>
<td>--------------</td>
<td>---------------</td>
<td>-------------</td>
</tr>
<tr>
<td>0</td>
<td>SP-SM</td>
<td>0.2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Depth = 2.5 ft; refusal on bedrock.

Collected soil sample S001 at 09:10 from excavation floor.

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

[See Trench Log ISRA-B1-2 for lithology]
**Boring ID: B1ET0514**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Easting (ft):** 1796951.66
- **Anthing (ft):** 299209.39
- **Drill Start Date:** 09-24-2010
- **Drill Finish Date:** 09-24-2010
- **Start Time:** 09:15
- **Finish Time:** 09:30
- **Logged By:** J. Parkes
- **Reviewed By:** M. Milman-Barris, P.G.
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID
- **Sample Retained:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Surfacesoil and alluvium excavated to approx. 2 ft**
- **Well Comp. Date:** N/A
- **Completion Time:** N/A
- **Overview:**

<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>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SP-SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2</td>
<td>S</td>
<td>0.1</td>
<td></td>
<td></td>
<td>Poorly Graded Sand with Silt, yellowish brown (10YR 5/6), loose, dry [Alluvium]</td>
<td>30 60 10</td>
</tr>
</tbody>
</table>

- **Comments:**
  - Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
  - Collected soil sample S001 at 09:30 from excavation floor.
  - Excavation backfilled 01-12-2011 - 01-31-2011.
Boring ID: B1ET0515

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID</th>
<th>Water Level</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>0</td>
<td>SP-SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>0.3</td>
<td></td>
<td></td>
<td>2</td>
<td>SP-SM</td>
<td>Poorly Graded Sand with Silt, yellowish brown (10YR 5/6), dry [Alluvium]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2-3</td>
<td>S-CL</td>
<td>Sandstone, yellowish brown (10YR 5/6), dry, moderately weathered, moderately cemented, massive [Chatsworth Formation]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2-10</td>
<td>Coarse Sand</td>
<td>Total Depth = 2.5 ft; refusal on bedrock.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2-10</td>
<td>Poorly Graded Sand</td>
<td>Collected soil sample S001 at 09:40 from excavation floor.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2-10</td>
<td>Fine Sand</td>
<td></td>
</tr>
</tbody>
</table>

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
**Boring ID: B1ET0516**

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

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

**Logged By:** S. Aichner  **Logged By:** M. Milman-Barris, P.G.

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

**Easting (ft):** 269240.00  **Northing (ft):** 1796974.69

**Date / Time:** 09-24-2010  **Date / Time:** 09-24-2010

**Start Time:** 09:21  **Finish Time:** 09:36

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

**Depth 1st H2O (ft):** N/A  **Depth H2O After Drilling (ft):** N/A

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

**Logged By:** A. Vann  **Logged By:** S. Aichner

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

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

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

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

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

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

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

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

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

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

<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>Borehole Diam. (in.)</th>
<th>Total Depth (ft)</th>
<th>Depth 1st H2O (ft)</th>
<th>Depth H2O After Drilling (ft)</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>2</td>
<td>2.5</td>
<td>N/A</td>
<td>N/A</td>
<td>SM</td>
<td>Silty Sand, brownish yellow (10YR 6/6), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></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></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 09:36 from excavation floor.</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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>tr</td>
<td>10</td>
<td>10</td>
<td>60</td>
<td>20</td>
</tr>
</tbody>
</table>
### Boring ID: B1ET0517

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Easting (ft):** 269255.96
- **Northing (ft):** 1796982.45
- **Drill Start Date:** 09-24-2010
- **Start Time:** 09:41
- **Drill Finish Date:** 09-24-2010
- **Finish Time:** 09:54
- **PID:** N/A
- **PID (ppm):** N/A
- **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)
- **Field Instrumentation:** PID
- **Easting (ft):** 20
- **N/A:
- **Northing (ft):** N/A
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Easting (ft):** 20
- **N/A:
- **Drill Rig Type/Method:** N/A
- **Reviewed By:** M. Milman-Barris, P.G.
- **Driller’s Name:** A. Vann
- **Comments:** Surface soil and alluvium excavated to approx. 2 ft
- **Boring ID:** B1ET0517
- **Well Comp. Date:** N/A
- **Field Instrumentation:** PID

### Sample Interval Retained

<table>
<thead>
<tr>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID</th>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>0.2</td>
<td>SM</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

- **Depth:** 2 ft
- **USCS Soil Classification:** SM
- **Description:** Silty Sand, very pale brown (10YR 7/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]
- **Est. % of Soil**
  - **Gravel:** 10
  - **Coarse Sand:** 70
  - **Med. Sand:** 20

- **Total Depth = 2.5 ft; terminated prior to refusal on bedrock.**
- **Collected soil sample S001 at 09:54 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**
### Boring ID: B1ET0518

**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  
**Site:** B1-2  
**Logged By:** J. Parkes  
**Reviewed By:** M. Milman-Barris, P.G.

- **Northing (ft):** 269271.70  
- **Easting (ft):** 1796991.03  
- **Drill Start Date:** 09-24-2010  
- **Drill Finish Date:** 09-24-2010  
- **Depth 1st H₂O (ft):** N/A  
- **Drill Rig Type/Method:** Grab (hand sampling)

**Comments:** Surface soil and alluvium excavated to approx. 2 ft  
**Sample Interval: Sample retained in 6-inch stainless steel sleeve / Encores**

<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>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>0.4</td>
<td>N/A</td>
<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>

- **Depth: 2.5 ft**  
- **Total Depth:** 2.5 ft; terminated prior to refusal on bedrock.  
- **Collected soil sample S001 at 10:15 from excavation floor.**  
- **Excavation backfilled 01-12-2011 - 01-31-2011.**
### Boring ID: B1ET0519

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 2.5  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Northing (ft):** 269288.36  
**Easting (ft):** 1796972.22  
**Job Number:** 1008208  
**Site:** B1-2

**Drill Start Date:** 09-24-2010  
**Start Time:** 10:25  
**Logged By:** N. Beaty  
**Reviewed By:** M. Milman-Barris, P.G.

**Drill Finish Date:** 09-24-2010  
**Finish Time:** 10:45  
**Drilling Contractor:** B.L. Hall  
**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:** R. Cano

**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

<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></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>
<td></td>
</tr>
<tr>
<td>0</td>
<td>S</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), dry, moderately indurated [Alluvium]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), dry, moderately indurated [Alluvium]</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 10:30 from excavation floor.</td>
<td></td>
</tr>
<tr>
<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>
<td></td>
</tr>
</tbody>
</table>

**Est. % of Soil**

<table>
<thead>
<tr>
<th></th>
<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>60</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth (feet)</td>
<td>Sample Interval Retained</td>
<td>Recovery (%)</td>
<td>Blown Count/6”</td>
<td>PID (ppm)</td>
<td>Water Level</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------</td>
<td>--------------</td>
<td>----------------</td>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>S</td>
<td>0.1</td>
<td>SM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collected soil sample S001 at 10:29 from excavation floor.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Boring ID: B1ET0521**

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

**Northings (ft):** 269247.90  
**Easting (ft):** 1796945.10

**Drill Start Date:** 09-24-2010  
**Start Time:** 10:25

**Drill Finish Date:** 09-24-2010  
**Finish Time:** 10:45

**Drilling Contractor:** MP Environmental Svcs.

**Field Instrumentation:** PID

---

**Comments:** Surface soil and alluvium excavated to approx. 2 ft.  
Collected soil sample S001 at 10:40 from excavation floor.

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

---

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

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

**Driller's Name:** D. Velasquez

---

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

<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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SP-SM</td>
<td>Poorly Graded Sand with Silt, yellowish brown (10YR 5/8), loose, dry [Alluvium]</td>
<td>30 60 10</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

---

**Northing (ft):**  
**Drill Start Date:** 09-24-2010  
**Drill Finish Date:** 09-24-2010  
**Easting (ft):**  
**Total Depth (ft):**  
**Logged By:** J. Parkes  
**PID:** 269247.90  
**Job Number:** 1008208  
**Date / Time:** N/A  
**Date / Time:** N/A  
**Drill Rig Type/Method:** Grab (hand sampling)

---

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

---

**Site:** B1-2

---

**Comments:** Surface soil and alluvium excavated to approx. 2 ft.  
Collected soil sample S001 at 10:40 from excavation floor.

**Excavation backfilled 01-12-2011 - 01-31-2011.**
**Boring ID: B1ET0522**

**Total Depth (ft):** 2.5

**Job Number:** 1008208

**Site:** B1-2

---

**Drill Start Date:** 09-24-2010

**Start Time:** 10:50

**Logged By:** N. Beaty

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

---

**Drill Finish Date:** 09-24-2010

**Finish Time:** 11:10

**Drilling Contractor:** B.L. Hall

**Field Instrumentation:** PID

---

**Completion Time:** N/A

**Backfill Time:** N/A

---

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

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

---

**Soil Backfill Date:** N/A

**Backfill Time:** N/A

---

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

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

---

**Collected soil sample S001 at 10:50 from excavation floor.**

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

---

### 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>2.5</td>
<td>Poorly Graded Sand, yellowish brown (10YR 5/4), dry, some iron oxide staining [Alluvium]</td>
</tr>
<tr>
<td>3</td>
<td>Sandstone, yellowish brown (10YR 5/4), dry, moderately weathered, moderately cemented, massive [Chattsworth Formation]</td>
</tr>
<tr>
<td>Total Depth</td>
<td>2.5 ft; refusal on bedrock.</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>SiltyClay</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>70</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Log of Boring Outfall 009 ISRA-2010.GPJ  BOEING.GDT  3/25/11**

---

**Sheet 1 of 1**
**LOG OF BORING OUTFALL009 ISRA-2010.GPJ  BOEING.GDT  3/25/11**

**Boring ID: B1ET0523**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Northing (ft):** 269226.93
- **Easting (ft):** 1796930.16
- **Job Number:** 1008208
- **Site:** B1-2
- **Drill Start Date:** 09-24-2010
- **Start Time:** 10:58
- **Logged By:** S. Aichner
- **Drill Finish Date:** 09-24-2010
- **Finish Time:** 11:16
- **Logged By:** S. Aichner
- **Log Date Time:** 20
- **Sheet 1 of 1

**Drilling Contractor:** MP Environmental Svcs.

**Field Instrumentation:** PID

**Driller’s Name:** A. Vann

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

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Sample Interval Retained:** 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

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

**Date / Time:** N/A

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

**Easting (ft):**

**Start Time:** 09-24-2010

**Finish Time:** 09-24-2010

**Date / Time:** 20

**Northing (ft):**

**Start Time:** 09-24-2010

**Finish Time:** 09-24-2010

**Date / Time:** 20

**Sample Type:**

- SM
  - Silty Sand, very pale brown (10YR 7/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]

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

- Collected soil sample S001 at 11:16 from excavation floor.

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

**USCS Soil Classification:**

- SM

**Graphic Log**

**PID (ppm)**

**Water Level**

**Depth 1st H2O:** N/A

**Date / Time:** N/A

**Depth H2O:** N/A

**Date / Time:** N/A

**Recovery (ppm):**

**Blow Count/6”:**

**Expected % of Soil**

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

<table>
<thead>
<tr>
<th>Est. % of Soil</th>
<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>10</td>
<td>10</td>
<td>60</td>
<td>20</td>
</tr>
</tbody>
</table>

[See Trench Log ISRA-B1-2 for lithology]
Boring ID: B1ET0524

<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>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>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

Easting (ft): 1796917.27
Northing (ft): 269212.67

Depth 1st H₂O (ft): N/A
Deposit H₂O After Drilling (ft): N/A

Job Number: 1008208
Logged By: N. Beaty
Reviewed By: M. Milman-Barris, P.G.

Date / Time: 09-24-2010
Drill Start Date: 09-24-2010
Drill Finish Date: 09-24-2010
Soil Backfill Date: N/A
Backfill Time: N/A

Log of Boring Outfall 009 ISRA-2010.GPJ  BOEING.GDT 3/25/11

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Retained in 6-inch stainless steel sleeve / Encores</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM Silty Sand, brown (10YR 5/3), dry, angular grains, moderately indurated [Alluvium]</td>
</tr>
<tr>
<td>3</td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:15 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Sandy/Gravelly soil, brown (6YR 6/4), dry, angular grains, moderately indurated [Alluvium]
### Boring ID: B1ET0525

<table>
<thead>
<tr>
<th>Sample Interval 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>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2</td>
<td>0.2</td>
<td>SM</td>
<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand, brown (10YR 5/3), loose, dry [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

- **Total Depth** = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 11:15 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0526**

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 2.5  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Northing (ft):** 269180.13  
**Easting (ft):** 1796897.90  
**Total Depth:** 2.5 ft; terminated prior to refusal on bedrock.

**Drill Start Date:** 09-24-2010  
**Start Time:** 11:30  
**Loged By:** N. Beaty

**Drill Finish Date:** 09-24-2010  
**Finish Time:** 11:50  
**Reviewed By:** M. Milman-Barris, P.G.

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

**Depth H,O After Drilling (ft):** N/A  
**Date / Time:** N/A  
**Driller’s Name:** R. Cano

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

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

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

**Samples:** Silty Sand, brown (10YR 5/3), dry, contains mica [Alluvium]

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Retained</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>SM</td>
<td>Silty Sand, brown (10YR 5/3), dry, contains mica [Alluvium]</td>
</tr>
</tbody>
</table>
| 2            | N/A             | N/A          | N/A           | N/A       | SM                       | Total Depth = 2.5 ft; terminated prior to refusal on bedrock.  
Collected soil sample S001 at 11:45 from excavation floor.  
Excavation backfilled 01-12-2011 - 01-31-2011. |
| 3            | N/A             | N/A          | N/A           | N/A       | SM                       | |
| 4            | N/A             | N/A          | N/A           | N/A       | SM                       | |
| 5            | N/A             | N/A          | N/A           | N/A       | SM                       | |
| 6            | N/A             | N/A          | N/A           | N/A       | SM                       | |
| 7            | N/A             | N/A          | N/A           | N/A       | SM                       | |
| 8            | N/A             | N/A          | N/A           | N/A       | SM                       | |
| 9            | N/A             | N/A          | N/A           | N/A       | SM                       | |
| 10           | N/A             | N/A          | N/A           | N/A       | SM                       | |

**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>10</td>
<td>60</td>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Borehole Diam. (in.): 2

Total Depth (ft): 2.5

Northing (ft): 269160.49

Easting (ft): 1796886.52

Drill Start Date: 09-24-2010

Start Time: 11:35

Logged By: J. Parkes

Drill Finish Date: 09-24-2010

Finish Time: 11:50

Drilling Contractor: MP Environmental Svcs.

Job Number: 1008208

Site: B1-2

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

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: D. Velasquez

Easting (ft):

Start Time: 11:35

Finish Time: 11:50

Date / Time:

Date / Time:

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

---

<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>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.2</td>
<td>SP-SM</td>
<td>2</td>
<td>Coarse Sand</td>
<td>Poorly Graded Sand with Silt, yellowish brown (10YR 5/4), loose, dry [Alluvium]</td>
</tr>
</tbody>
</table>

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

Collected soil sample S001 at 11:40 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
Borehole Diam. (in.): 2
Total Depth (ft): 2.5

North (ft): 269145.63
East (ft): 1796848.93

Drill Start Date: 09-24-2010
Start Time: 11:55

Logged By: N. Beaty

Drill Finish Date: 09-24-2010
Finish Time: 12:10

Drilling Contractor: B.L. Hall

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: R. Cano

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

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

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

1 SM Silty Sand, brown (10YR 5/3), dry, contains mica [Alluvium] 10 60 30

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

Collected soil sample S001 at 12:00 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID:** B1ET0529

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</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>0</td>
<td></td>
<td>S</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1</td>
<td></td>
<td>2</td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry [Alluvium]</td>
<td>10 70 20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td>Total Depth = 2.5 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>Collected soil sample S001 at 12:10 from excavation floor.</td>
</tr>
<tr>
<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>

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

---

**Depth H2O After Drilling (ft):** N/A  
**Date / Time:** N/A  
**Drill Rig Type/Method:** Grab (hand sampling)  
**Boring ID:** 1796858.57  
**Start Time:** 12:00  
**Driller's Name:** D. Velasquez  
**Job Number:** 1008208  
**Date / Time:** N/A  
**Drilling Contractor:** MP Environmental Svcs.  
**Field Instrumentation:** PID  
**Sample Retained:** 6-inch stainless steel sleeve / Encores  
**Surface soil and alluvium excavated to approx. 2 ft.**  
**Well Comp. Date:** N/A  
**Completion Time:** N/A  
**Soil Backfill Date:** N/A  
**Backfill Time:** N/A  
**Sample Interval Retained:** N/A  
**Sample Type:** N/A  
**Recovery (%):** N/A  
**Blow Count/6":** N/A  
**Water Level (feet):** N/A  
**Est. % of Soil:** Gravel: 10, Coarse Sand: 70, Med. Sand: 20, Fine Sand: N/A, Silt/Clay: N/A

---

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 2.5  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  
**Northing (ft):** 269160.94  
**Easting (ft):** 1796858.57  
**Drill Start Date:** 09-24-2010  
**Start Time:** 12:00  
**Logged By:** J. Parkes  
**Reviewed By:** M. Milman-Barris, P.G.  
**Depth 1st H2O (ft):** N/A  
**Date / Time:** N/A  
**Drill Rig Type/Method:** Grab (hand sampling)  
**Comments:** Surface soil and alluvium excavated to approx. 2 ft

---

**Description:**  
[See Trench Log ISRA-B1-2 for lithology]  
Silty Sand, dark yellowish brown (10YR 4/4), loose, dry [Alluvium]  
Total Depth = 2.5 ft; terminated prior to refusal on bedrock.  
Collected soil sample S001 at 12:10 from excavation floor.  
Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0530**

### Details
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Site:** B1-2
- **Logged By:** S. Aichner
- **Reviewed By:** M. Milman-Barris, P.G.

### Sampling Details
- **Sample Type:** Grab (hand sampling)
- **PID:** B1-2

### Soil Sample
- **Date / Time:** 11:29
- **Comments:** Collected soil sample S001 at 11:29 from excavation floor.

### Soil Description
- **Description:** Silty Sand, brown (10YR 5/3), loose, dry, trace fine sandstone gravel, micaceous Alluvium

### Depth and Recovery

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Recovery</th>
<th>SM</th>
<th>Silty Sand, brown (10YR 5/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0.2</td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 11:29 from excavation floor.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

### Other Details
- **Northing (ft):** 269175.08
- **Easting (ft):** 1796867.52
- **Date / Time:** 09-24-2010 11:19
- **N/A**

### Additional Notes
- **Pod:** S
- **Driller's Name:** A. Vann
- **Surface soil and alluvium excavated to approx. 2 ft**
- **Sample retained in 6-inch stainless steel sleeve / Encores**
- **Drilling Contractor:** MP Environmental Svcs.
**Boring ID: B1ET0531**

**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  
**Job Number:** 1008208  
**Site:** B1-2

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

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

**Drill Start Date:** 09-24-2010  
**Start Time:** 12:20  
**Logged By:** J. Parkes

**Drill Finish Date:** 09-24-2010  
**Finish Time:** 12:30  
**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:** D. Velasquez

**Comments:** Surface soil and alluvium excavated to approx. 2 ft  
**Well Comp. Date:** N/A  
**Completion Time:** N/A

**Easting (ft):**  
**Start Time:**  
**Finish Time:**  
**Date / Time:**  
**Date / Time:**

**Northing (ft):**  
**Drill Start Date:**  
**Drill Finish Date:**  
**Drill Rig Type/Method:**  
**Field Instrumentation:** PID

**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

**Sample Interval Retained**  
**Sample Type**  
**Recovery (%)**  
**Blow Count/6”**  
**PID (ppm)**  
**Depth (feet)**  
**Water Level**  
**USCS Soil Classification**  
<table>
<thead>
<tr>
<th>Depth (feet)</th>
<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>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>S</td>
<td>SM</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2.0</td>
<td></td>
<td>SM</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry [Alluvium]</td>
</tr>
</tbody>
</table>

Total Depth = 2.5 ft; terminated prior to refusal on bedrock.  
Collected soil sample S001 at 12:25 from excavation floor.  
Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0532**

<table>
<thead>
<tr>
<th>Borehole Diam. (in.): 2</th>
<th>Total Depth (ft): 2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northing (ft): 269216.57</td>
<td>Easting (ft): 1796899.17</td>
</tr>
<tr>
<td>Drill Start Date: 09-24-2010</td>
<td>Start Time: 12:20</td>
</tr>
<tr>
<td>Drill Finish Date: 09-24-2010</td>
<td>Finish Time: 12:30</td>
</tr>
<tr>
<td>Depth 1st H₂O (ft): N/A</td>
<td>Date / Time: N/A</td>
</tr>
<tr>
<td>Depth H₂O After Drilling (ft): N/A</td>
<td>Date / Time: N/A</td>
</tr>
</tbody>
</table>

**Comments:**
Surface soil and alluvium excavated to approx. 2 ft. Collected soil sample S001 at 12:30 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011. Collocated with ENBS0046.

**PID:** B1ET0532

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

**Logged By:** N. Beaty

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

**Drilling Contractor:** B.L. Hall

**Field Instrumentation:** PID

**Sample Interval**

<table>
<thead>
<tr>
<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>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand, brown (10YR 5/3), dry, contains mica [Alluvium]</td>
<td></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>10</td>
<td>60</td>
<td>30</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>Depth (feet)</td>
<td>Graphic Log</td>
<td>USCS Soil Classification</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>--------------------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>Silt/Clay</td>
<td>Silty Sand, very pale brown (10YR 7/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 11:46 from excavation floor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
</tr>
</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 2 ft
- Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 11:46 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>Water Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SP-SM</td>
<td>0.1</td>
<td>N/A</td>
<td>N/A</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>Poorly Graded Sand with Silt, brown (10YR 5/3), dry, contains mica, moderately indurated [Alluvium]</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 13:00 from excavation floor.</td>
</tr>
<tr>
<td></td>
<td></td>
<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. 2 ft

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

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

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

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

**Borehole Diam. (in.):** 2
**Total Depth (ft):** 2.5
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Northing (ft):** 269242.20
**Easting (ft):** 1796911.44
**Job Number:** 1008208
**Site:** B1-2

**Drill Start Date:** 09-24-2010
**Start Time:** 12:55
**Logged By:** N. Beaty
**Reviewed By:** M. Milman-Barris, P.G.

**Drill Finish Date:** 09-24-2010
**Finish Time:** 13:20
**Drilling Contractor:** B.L. Hall
**Field Instrumentation:** PID

**Depth 1st H$_2$O (ft):** 8010
**Date / Time:** 8010

**Depth H$_2$O After Drilling (ft):** N/A
**Date / Time:** N/A

**Driller's Name:** R. Cano

**Easting (ft):** N/A
**Start Time:** N/A
**Finish Time:** N/A

**N. Beaty**

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

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

**Boring ID:** B1ET0534

**Logged By:** N. Beaty
**Reviewed By:** M. Milman-Barris, P.G.
### Boring ID: B1ET0535

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Northing (ft):** 269255.99
- **Easting (ft):** 1796920.53
- **Drill Start Date:** 09-24-2010
- **Drill Finish Date:** 09-24-2010
- **Depth 1st H₂O (ft):** N/A
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Job Number:** 1008208
- **Logged By:** J. Parkes
- **Logged By:** M. Milman-Barris, P.G.
- **PID:** B1ET0535
- **Reviewed By:** D. Velasquez

#### Comments:
- Surface soil and alluvium excavated to approx. 2 ft
- Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 13:15 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

#### Sample Interval Retained

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</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></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry [Alluvium]</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>10 70 20</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Collected soil sample S001 at 13:15 from excavation floor.</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

#### Log of Boring Outfall 009 ISRA-2010 GP/Boeing.GDT 3/25/11

- **Water Level:** Retained
- **Sample Type:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Sample Retained:** Soil Backfill Date: N/A Backfill Time: N/A
- **Driller's Name:** D. Velasquez

#### Well Comp. Date: N/A
#### Completion 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>10</td>
<td>70</td>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Boring ID: B1ET0536

Surface soil and alluvium excavated to approx. 2 ft.

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

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Depth (feet)</th>
<th>Water Level</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>Silty/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), medium dense, dry, subangular gravel [Alluvium]</td>
<td>10</td>
<td>10</td>
<td>15</td>
<td>40</td>
<td>25</td>
</tr>
<tr>
<td>2.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 13:15 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
Boring ID: B1ET0537

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 Rig Type/Method: Grab (hand sampling)

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

Silty Sand, brown (10YR 5/3), loose, dry, trace fine sandstone gravel, micaceous

[Alluvium]

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

Collected soil sample S001 at 13:19 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
Silty Sand, brownish yellow (10YR 6/6), loose, dry [Alluvium]

Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
Collected soil sample S001 at 13:25 from excavation floor.
Excavation backfilled 01-12-2011 - 01-31-2011.

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

Poorly Graded Sand with Silt, brown (10YR 5/3), loose, dry [Alluvium]

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.
Surface soil and alluvium excavated to approx. 2 ft. Total Depth = 2.5 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 14:30 from excavation floor.

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

[See Trench Log ISRA-B1-2 for lithology]
**Boring ID: B1ET0541**

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

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

**Noting (ft):** 269238.85  
**Easting (ft):** 1796882.09

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

**Drill Start Date:** 09-24-2010  
**Start Time:** 13:20

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

**Drill Finish Date:** 09-24-2010  
**Finish Time:** 13:40

**Drilling Contractor:** MP Environmental Svcs.  
**Field Instrumentation:** PID

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

**Boring ID:** B1ET0541

**Easting (ft):**  
**Start Time:**  
**Finish Time:**  
**Date / Time:**  
**Date / Time:**  
**N/A**

**N/A**

**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

**Comments:**

Surface soil and alluvium excavated to approx. 2 ft. Collected soil sample S001 at 13:30 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.

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

Silty Sand, yellowish brown (10YR 5/4), dry, moderately indurated [Alluvium]

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

Collected soil sample S001 at 13:30 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
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>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>[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></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.1</td>
<td></td>
<td></td>
<td>2.5</td>
<td></td>
<td>Silt/Clay</td>
<td>Silty Sand, yellowish brown (10YR 5/4), dry, contains mica, moderately indurated [Alluvium] 15 70 15</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Fine Sand</td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:45 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coarse Sand</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Med. Sand</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Fine Sand</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Fine Sand</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td></td>
</tr>
</tbody>
</table>
Boring ID: B1ET0543

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

**Northing (ft):** 269204.21  
**Easting (ft):** 1796861.55

**Drill Start Date:** 09-24-2010  
**Finish Time:** NR

**Drill Finish Date:** 09-24-2010  
**Drilling Contractor:** MP Environmental Svcs.

**Depth 1st H2O (ft):** N/A  
**Start Time:** 09-24-2010

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

**Easting (ft):** N/A  
**Finish Time:** N/A

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

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

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

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>PID (ppm)</th>
<th>Depth (feet)</th>
<th>Water Level</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.1</td>
<td></td>
<td></td>
<td>2</td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), dense, dry, subangular gravel [Alluvium]</td>
<td>10 5 20 30 35</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.5</td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
</tr>
</tbody>
</table>

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

Collected soil sample S001 at 13:45 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
### Boring ID: B1ET0544

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Retained</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>Sample retained in 6-inch stainless steel sleeve / Encores</td>
<td>N/A</td>
<td>SM</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Silt/Clay</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>0.1</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), medium dense, dry, subangular gravel [Alluvium]</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>SM</td>
<td></td>
<td></td>
<td>2.5</td>
<td>SM</td>
<td>Fine Sand</td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Coarse Sand</td>
<td>Collected soil sample S001 at 14:00 from excavation floor.</td>
</tr>
</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 2 ft
- Soil Backfill Date: N/A
- Backfill Time: N/A
- Well Comp. Date: N/A
- Completion Time: N/A

**Drilling Contractor:** MP Environmental Svcs.

**Reviewed By:** M. Milman-Barris, P.G.
<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></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>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 13:41 from excavation floor.</td>
</tr>
<tr>
<td>4</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>

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

**Well Comp. Date:** N/A | **Completion Time:** N/A
### Boring ID: B1ET0546

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 2.5  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  
**Job Number:** 1008208  
**Easting (ft):** 1796834.42  
**NORTHING (ft):** 269158.47  
**Drill Start Date:** 09-24-2010  
**Start Time:** 13:45  
**Logged By:** N. Beaty  
**Reviewed By:** M. Milman-Barris, P.G.  
**Drill Finish Date:** 09-24-2010  
**Finish Time:** 14:05  
**Drilling Contractor:** B.L. Hall  
**Field Instrumentation:** PID  
**Depth 1st H2O (ft):** N/A  
**Date / Time:** N/A  
**Boring ID:** 1796834.42  
**Drill Rig Type/Method:** Grab (hand sampling)  
**Depth H2O After Drilling (ft):** N/A  
**Date / Time:** N/A  
**Driller’s Name:** R. Cano  
**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  

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>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>
<th>SM</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></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>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), dry, contains mica, well-indurated [Alluvium]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<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>
<td></td>
<td>15</td>
<td>50</td>
<td>35</td>
<td></td>
</tr>
</tbody>
</table>
**Boring ID: B1ET0547**

Borehole Diam. (in.): 2  
Total Depth (ft): 2.5  
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

Northings (ft): 269147.97  
Easting (ft): 1796828.59  
Job Number: 1008208  
Site: B1-2

Drill Start Date: 09-24-2010  
Start Time: 14:10  
Logged By: N. Beaty  
Reviewed By: M. Milman-Barris, P.G.

Drill Finish Date: 09-24-2010  
Finish Time: 14:20  
Drilling Contractor: B.L. Hall  
Field Instrumentation: PID

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

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

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

<table>
<thead>
<tr>
<th>Sample Interval</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</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>0.2</td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), dry, contains mica, well-indurated [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

Total Depth = 2.5 ft; terminated prior to refusal on bedrock.  
Collected soil sample S001 at 13:50 from excavation floor.  
Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0548**

**Job Number:** 1008208  **Logged By:** A. Goldenberg  **Site:** B1-2

**Drill Start Date:** 09-24-2010  **Start Time:** NR  **Logged By:** A. Goldenberg  **Reviewed By:** M. Milman-Barris, P.G.

**Borehole Diam. (in.):** 2  **Total Depth (ft):** 2.5  **Easting (ft):** 1796849.53  **Northing (ft):** 269212.71

**Drill Finish Date:** 09-24-2010  **Finish Time:** NR  **Drilling Contractor:** MP Environmental Svcs.

**Depth 1st H2O (ft):** N/A  **Date / Time:** N/A  **Depth H2O After Drilling:** N/A  **Date / Time:** N/A  **Driller’s Name:** A. Vann

**Comments:** Surface soil and alluvium excavated to approx. 2 ft; at pipe #6

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

<table>
<thead>
<tr>
<th>Sample Interval</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>S</td>
<td>0.4</td>
<td>SM</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), medium dense, dry, subangular gravel [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

- Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 14:15 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.
Boring ID: B1ET0549

<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>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>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

Water Level Retained: SP-SM

Description: Poorly Graded Sand with Silt, yellowish brown (10YR 5/4), loose, dry [Alluvium]

Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
Collected soil sample S001 at 14:10 from excavation floor.
Excavation backfilled 01-12-2011 - 01-31-2011.

Est. % of Soil

<table>
<thead>
<tr>
<th>Grain Size</th>
<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>80</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sample Interval</td>
<td>Sample Type</td>
<td>Recovery (%)</td>
<td>Blow Count/6&quot;</td>
<td>Depth (feet)</td>
<td>Graphic Log</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------</td>
<td>--------------</td>
<td>---------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td>2</td>
<td>SM</td>
</tr>
</tbody>
</table>

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

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

Collected soil sample S001 at 14:25 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
Boring ID: B1ET0551

Borehole Diam. (in.): 2  Total Depth (ft): 2.5  Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
Northing (ft): 269269.89  Easting (ft): 1797007.28  Job Number: 1008208  Site: B1-2
Drill Start Date: 09-24-2010  Start Time: 10:00  Logged By: N. Beaty  Reviewed By: M. Milman-Barris, P.G.
Drill Finish Date: 09-24-2010  Finish Time: 10:20  Drilling Contractor: B.L. Hall  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: R. Cano

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

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Sample Retained</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SP-SM</td>
<td>Poorly Graded Sand with Silt, yellowish brown (10YR 5/6), dry [Alluvium]</td>
</tr>
<tr>
<td>2</td>
<td>0.1</td>
<td>30</td>
<td>60</td>
<td>10</td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sandstone, yellowish brown (10YR 5/6), dry, moderately weathered, moderately cemented, massive [Chattsworth Formation]</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; refusal on bedrock.</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 10:00 from excavation floor.</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collocated with B1BS0199.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravel</td>
</tr>
<tr>
<td>30</td>
</tr>
</tbody>
</table>

Sample Retained in 6-inch stainless steel sleeve / Encores

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

Surface soil and alluvium excavated to approx. 2 ft

Depth: 2.5 ft

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

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

Collocated with B1BS0199.
**Boring ID: B1ET0552**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Interval Retained</th>
<th>Recovery (%)</th>
<th>Blow Count/6&quot;</th>
<th>Water Level</th>
<th>SM</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>SM</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>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td>2</td>
<td>CM</td>
<td>0.1</td>
<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand, brown (10YR 5/3), loose, dry [Alluvium]</td>
<td>Collected soil sample S001 at 14:35 from excavation floor.</td>
</tr>
<tr>
<td>3</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>

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

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

**Log:**

- **Easting:** 1796888.17
- **Northing:** 269303.82
- **Start Time:** 14:20
- **Finish Time:** 14:35
- **Drill Start Date:** 09-24-2010
- **Drill Finish Date:** 09-24-2010
- **Completion Time:** N/A
- **Surface soil and alluvium excavated to approx. 2 ft**
- **Collected soil sample S001 at 14:35 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**

**Drilling Contractor:** MP Environmental Svcs.

**Reviewed By:** M. Milman-Barris, P.G.
Boring ID: B1ET0553

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

Northing (ft): 269284.82
Easting (ft): 1796873.80

Drill Start Date: 09-24-2010
Start Time: 14:20

Drill Finish Date: 09-24-2010
Finish Time: 14:30

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

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

Driller’s Name: R. Cano

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

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

SP-SM

Depth (feet)

USCS Soil Classification

Gravel

Coarse Sand

Med. Sand

Fine Sand

Est. % of Soil

0.1

0

1

2

3

4

5

6

7

8

9

10

Water Level

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

Poorly Graded Sand with Silt, yellowish brown (10YR 5/6), dry, contains mica

Sandstone, yellowish brown (10YR 5/6), moderately weathered, moderately cemented, massive [Chattsworth Formation]

Total Depth = 2.5 ft; refusal on bedrock.

Collected soil sample S001 at 14:15 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0554**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Northing (ft):** 269265.66
- **Easting (ft):** 1796864.60
- **Drill Start Date:** 09-27-2010
- **Drill Finish Date:** 09-27-2010
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Driller's Name:** D. Velasquez

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

**Sample Interval Retained:**

<table>
<thead>
<tr>
<th>Sample Type</th>
<th>Water Level</th>
<th>Recovery (%)</th>
<th>Blown Count/6&quot;</th>
<th>PID ppm</th>
<th>Depth (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM</td>
<td>0.3</td>
<td>10</td>
<td>70</td>
<td>20</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Description:** Silty Sand, yellowish brown (10YR 5/4), loose, dry [Alluvium]

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

**Collected soil sample S001 at 08:10 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>Depth (feet)</th>
<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>USCS Soil Classification</th>
<th>Graphic Log</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>
</tbody>
</table>
| 2            | SM                       | Silty Sand  | 0.4          |               |           |             | Fine Sand, yellowish brown (10YR 5/4), loose, dry [Alluvium] | 10 70 20    | Total Depth = 2.5 ft; terminated prior to refusal on bedrock.  
Collected soil sample S001 at 08:10 from excavation floor.  
Excavation backfilled 01-12-2011 - 01-31-2011. |
| 4            |                          |             |              |               |           |             |                           |             |             |
| 6            |                          |             |              |               |           |             |                           |             |             |
| 8            |                          |             |              |               |           |             |                           |             |             |
| 10           |                          |             |              |               |           |             |                           |             |             |

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

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

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

**Driller’s Name:** D. Velasquez

**Drilling Contractor:** MP Environmental Svcs.

**Field Instrumentation:** PID

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

**Completion Time:** N/A

**Soil Backfill Date:** N/A

**Backfill Time:** N/A
**Boring ID: B1ET0556**

<table>
<thead>
<tr>
<th>Depth 1st H₂O (ft):</th>
<th>0.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Interval Retained</td>
<td>N/A</td>
</tr>
<tr>
<td>Sample Type</td>
<td>N/A</td>
</tr>
<tr>
<td>Recovery (%)</td>
<td>N/A</td>
</tr>
<tr>
<td>Water Level</td>
<td>N/A</td>
</tr>
<tr>
<td>USCS Soil Classification</td>
<td>Silty Sand, brown (10YR 5/3), dry, moderate cementation [Alluvium]</td>
</tr>
</tbody>
</table>

**Description**

- Silty Sand, brown (10YR 5/3), dry, moderate cementation [Alluvium]

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

Collected soil samples S001 and duplicate D001 at 08:30 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0557**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Easting (ft):** 269219.75
- **Northing (ft):** 1796836.18
- **Logged By:** A. Goldenberg
- **Sheet 1 of 1**
- **Job Number:** 1008208
- **Date / Time:** 09-27-2010
- **Start Time:** NR
- **Drill Finish Date:** 09-27-2010
- **Finish Time:** NR
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID
- **Boring ID:** 1796836.18
- **NR**
- **N/A**
- **A. Vann**
- **Grab (hand sampling)**
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Reviewed By:** M. Milman-Barris, P.G.
- **Driller's Name:** A. Vann
- **Comments:** Surface soil and alluvium excavated to approx. 2 ft; at pipe #5/12

### Sample Interval

<table>
<thead>
<tr>
<th>Depth (feet)</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>
<td>S</td>
<td>0.4</td>
<td></td>
<td>SM</td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, subangular gravel, moderate cementation [Alluvium]</td>
<td></td>
</tr>
<tr>
<td>2</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>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 08:30 from excavation floor.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></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>10</td>
<td>5</td>
<td>20</td>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>Sample Interval Retained</td>
<td>Sample Type</td>
<td>Recovery (%)</td>
<td>Blow Count/6&quot;</td>
<td>Water Level</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------</td>
<td>--------------</td>
<td>---------------</td>
<td>-------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Borehole Diam. (in.):** 2
**Total Depth (ft):** 2.5
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
**Job Number:** 1008208
**Site:** B-1

**Drill Start Date:** 09-27-2010
**Start Time:** 08:29
**Logged By:** S. Aichner
**Reviewed By:** M. Milman-Barris, P.G.
**Drill Finish Date:** 09-27-2010
**Finish Time:** 08:38
**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. 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

**Easting (ft):** 269201.65
**Northing (ft):** 1796827.94
**Start Time:** 09-27-2010
**Finish Time:** 09-27-2010

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

**Gravel:** tr
**Coarse Sand:** 10
**Med. Sand:** 20
**Fine Sand:** 50
**Silt/Clay:** 20

**Est. % of Soil**

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

Collected soil sample S001 at 08:38 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”</th>
<th>Water Level</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SP-SM</td>
<td>0.3</td>
<td>Poorly Graded Sand with Silt, light yellowish brown (10YR 6/4), loose, dry [Alluvium]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SP-SM</td>
<td>N/A</td>
<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>

- **Date / Time:** 08:45
- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Northing (ft):** 269187.04
- **Easting (ft):** 1796815.47
- **Depth 1st H₂O (ft):** N/A
- **Date / Time:** N/A
- **Depth H₂O After Drilling (ft):** N/A
- **Date / Time:** N/A
- **Easting (ft):** 108
- **Drill Rig Type/Method:** Grab (hand sampling)
- **PID:** B1ET0559
- **Logged By:** J. Parkes
- **Reviewed By:** M. Milman-Barris, P.G.
- **Job Number:** 1008208
- **Site:** B1-2
- **Boring ID:** B1ET0559
- **Drill Start Date:** 09-27-2010
- **Start Time:** 08:30
- **Drill Finish Date:** 09-27-2010
- **Finish Time:** 08:45
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID
- **Comments:** 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
- **Surface soil and alluvium excavated to approx. 2 ft**
- **Drill Start Date:** 09-27-2010
- **Drill Finish Date:** 09-27-2010
- **Driller's Name:** D. Velasquez
- **Excavation backfilled 01-12-2011 - 01-31-2011.**
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Job Number:** 1008208
- **Date / Time:** N/A
- **Date / Time:** N/A
- **Job Number:** 269187.04
- **Comments:** Collected soil sample S001 at 08:35 from excavation floor.
- **Soil Backfill Date:** N/A
- **Backfill Time:** N/A
- **Sample Retained in:** 6-inch stainless steel sleeve / Encores
- **Docu-Metric Number:** 30211
- **Comments:** Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- **Comments:** Excavation backfilled 01-12-2011 - 01-31-2011.
Borehole Diam. (in.): 2
Northing (ft): 269165.09
Easting (ft): 1796806.49
Depth 1st H₂O (ft): N/A
Depth H₂O After Drilling (ft): N/A

Total Depth (ft): 2.5
Start Time: NR
Start Time: NR
Sample Type: S
Sample Type: 0.2

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

Silty Sand, dark yellowish brown (10YR 4/4), medium dense to dense, dry, subangular gravel, moderate cementation [Alluvium]

Total Depth = 2.5 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.

- Water Level
- PID (ppm)
- Blow Count/6"
- USCS Soil Classification
- Description
- Est. % of Soil

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Gravel</th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>10</td>
<td>5</td>
<td>25</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>
**Boring ID: B1ET0561**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Northing (ft):** 269203.32
- **Easting (ft):** 1796798.75
- **Drill Start Date:** 09-27-2010
- **Start Time:** 09:00
- **Drill Finish Date:** 09-27-2010
- **Finish Time:** 09:15
- **Depth 1st H2O (ft):** N/A
- **Date / Time:** N/A
- **Depth H2O After Drilling (ft):** N/A
- **Date / Time:** N/A
- **Job Number:** 1008208
- **Logged By:** N. Beaty
- **Reviewed By:** M. Milman-Barris, P.G.
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Field Instrumentation:** PID
- **Driller's Name:** R. Velasquez
- **Comments:** Surface soil and alluvium excavated to approx. 2 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
- **Drilling Contractor:** MP Environmental Svcs.
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Site:** B1-2

### Sample Table

<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></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>
</tbody>
</table>

- **Water Level Retained:** SM
- **SM:** Silty Sand, yellowish brown (10YR 5/6), dry [Alluvium]

**Est. % of Soil**

<table>
<thead>
<tr>
<th></th>
<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>15</td>
<td>70</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Total Depth = 2.5 ft; terminated prior to refusal on bedrock.**
- **Collected soil sample S001 at 09:05 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**
### Borehole Data

<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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry [Alluvium]</td>
</tr>
</tbody>
</table>

- **Boring ID:** B1ET0562
- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Job Number:** 1008208
- **Site:** B1-2

**Comments:**
- Surface soil and alluvium excavated to approx. 2 ft
- Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 08:55 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**Soil Classification:**
- Fine Sand
- Med. Sand
- Coarse Sand
- Gravel
- Silt/Clay

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

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

**Field Instrumentation:**
- N/A

**Logged By:** J. Parkes

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

**Driller's Name:** D. Velasquez
**Boring ID: B1ET0563**

<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>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), medium dense to dense, dry, subangular gravel, moderate cementation [Alluvium]</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:15 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>

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

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

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

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

**Drill Start Date:** 09-27-2010  
**Start Time:** NR  
**Drilling Contractor:** MP Environmental Svcs.

**Drill Finish Date:** 09-27-2010  
**Finish Time:** NR  
**Field Instrumentation:** PID

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

**Easting (ft):** 269223.10  
**Northing (ft):** 1796816.92  
**Drill Rig Type/Method:** Grab (hand sampling)

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

**Sample Type**

<table>
<thead>
<tr>
<th>Water Level</th>
<th>Depth (feet)</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), medium dense to dense, dry, subangular gravel, moderate cementation [Alluvium]</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:15 from excavation floor. 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>10</td>
<td>5</td>
<td>25</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>
**Boring ID: B1ET0564**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Northing (ft):** 269242.80
- **Easting (ft):** 1796827.71
- **Job Number:** 1008208
- **Site:** B1-2
- **Drill Start Date:** 09-27-2010
- **Start Time:** 09:00
- **Logged By:** J. Parkes
- **Drill Finish Date:** 09-27-2010
- **Finish Time:** 09:25
- **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:** D. Velasquez

**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

**Easting (ft):** 1796827.71
**Northing (ft):** 269242.80

**Drill Start Date:** 09-27-2010
**Drill Finish Date:** 09-27-2010

**Sp-Sm:** Poorly Graded Sand with Silt, brownish yellow (10YR 6/6), loose, dry [Alluvium]

- **Total Depth = 2.5 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.**

**Table: Sample Interval Retained**

<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>0</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>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SP-SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>2</td>
<td></td>
<td>Poorly Graded Sand with Silt, brownish yellow (10YR 6/6), loose, dry [Alluvium]</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Est. % of Soil:**

<table>
<thead>
<tr>
<th></th>
<th>Coarse Sand</th>
<th>Med. Sand</th>
<th>Fine Sand</th>
<th>Silt/Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravel</td>
<td>10</td>
<td>80</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Boring ID: B1ET0565

<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>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, brown (10YR 4/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

*Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
Collected soil sample S001 at 09:04 from excavation floor.
Excavation backfilled 01-12-2011 - 01-31-2011.*
Borehole Diam. (in.): 2
Total Depth (ft): 2.5

Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
Job Number: 1008208
Site: B1-2

Northing (ft): 269271.12
Easting (ft): 1796853.18

Drill Start Date: 09-27-2010
Start Time: 09:10
Logged By: N. Beaty

Drill Finish Date: 09-27-2010
Finish Time: 09:20
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: D. Velasquez

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

Boring ID: B1ET0566

Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
Job Number: 1008208
Site: B1-2

Northing (ft): 269271.12
Easting (ft): 1796853.18

Drill Start Date: 09-27-2010
Start Time: 09:10
Logged By: N. Beaty

Drill Finish Date: 09-27-2010
Finish Time: 09:20
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: D. Velasquez

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

Boring ID: B1ET0566

**MWH**

Boring ID: B1ET0566

<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></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>
</tbody>
</table>

0.2 SM Silty Sand, yellowish brown (10YR 5/4), dry, contains mica, moderate cementation [Alluvium]

Total Depth = 2.5 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.

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>15</td>
<td>70</td>
<td>15</td>
</tr>
</tbody>
</table>
Boring ID: B1ET0567

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

Logged By: A. Goldenberg
Reviewed By: M. Milman-Barris, P.G.

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

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

Collected soil sample S001 at 09:30 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
### Sample Interval Retained

<table>
<thead>
<tr>
<th>Recovery (%)</th>
<th>Blown 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>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Description

- **[See Trench Log ISRA-B1-2 for lithology]**
- **Total Depth = 2.5 ft; terminated prior to refusal on bedrock.**
- **Collected soil samples S001 and split S001SP at 09:30 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**

### Eclipse Geosystems Inc.

**Boring ID:** B1ET0568

**Borehole Diam. (in.):** 2

**Total Depth (ft):** 2.5

**Northing (ft):** 269253.91

**Easting (ft):** 1796816.91

**Drill Start Date:** 09-27-2010

**Start Time:** 09:25

**Drill Finish Date:** 09-27-2010

**Finish Time:** 09:45

**Depth 1st H₂O (ft):** N/A

**Date / Time:** N/A

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

**Date / Time:** N/A

**Driller’s Name:** D. Velasquez

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

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

**Completion Time:** N/A

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

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

**Job Number:** 1008208

**Site:** B1-2

**PID Environmental Svcs.**

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

**Field Instrumentation:** PID

**Log of Boring:** OUTFALL009_ISRA-2010.GPJ

**Boring ID:** B1ET0568

**Logged By:** J. Parkes

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

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

**Soil Backfill Date:** N/A

**Backfill Time:** N/A

**Graphic Log**

**USCS Soil Classification**

- **Gravel:** 10
- **Coarse Sand:** 80
- **Med. Sand:** 10
- **Fine Sand:** N/A
- **Silt/Clay:** N/A

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

**PID (ppm):** N/A

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

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

**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

**Field Instrumentation:** PID

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

**Log of Boring:** OUTFALL009_ISRA-2010.GPJ

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

**Driller’s Name:** D. Velasquez

**Boring ID:** B1ET0568

**Logged By:** J. Parkes

**Reviewed By:** M. Milman-Barris, P.G.
<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>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SM</td>
<td>0.1</td>
<td>0.1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Description**

- [See Trench Log ISRA-B1-2 for lithology]
- Silty Sand, yellowish brown (10YR 5/4), dry, contains mica, moderate cementation [Alluvium]
- Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 09:30 from excavation floor.
- Excavation backfilled 01-12-2011 - 01-31-2011.

**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>15</td>
<td>70</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

**Reviewed By:** M. Milman-Barris, P.G.
**Borehole Diam. (in.):** 2  |  **Total Depth (ft):** 1.0  |  **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
---|---|---
**Northing (ft):** 269150.82  |  **Easting (ft):** 1796812.55  |  **Job Number:** 1008208  
**Drill Start Date:** 09-27-2010  |  **Start Time:** 09:23  |  **Logged By:** S. Aichner  
**Drill Finish Date:** 09-27-2010  |  **Finish Time:** 09:30  |  **Reviewed By:** M. Milman-Barris, P.G.  
**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; sidewall sample

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

**Sample Type:** PID

**Sample Interval Retained:**

<table>
<thead>
<tr>
<th>Sample Interval Retained</th>
<th>Recovery (%)</th>
<th>Blowing Count 6&quot;</th>
<th>PID (ppm)</th>
<th>Water Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>1</td>
<td>SM</td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), 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 09:30 from excavation sidewall.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0571**

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

**Drill Start Date:** 09-29-2010  
**Start Time:** 13:38  
**Finish Time:** 13:56  
**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:** N. Beaty

Comments: Surface soil and alluvium; sidewall sample  
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</th>
<th>Sample Type</th>
<th>Recovery (%)</th>
<th>Blow Count/6”</th>
<th>Depth (feet)</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Silty Sand, light yellowish brown (10YR 6/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td>tr tr 20 60 20</td>
</tr>
</tbody>
</table>

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

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

Collected soil samples S001 and split S001SP at 13:56 from excavation sidewall.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0572**

<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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.3</td>
<td>SM</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, subangular gravel [Alluvium]</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
<td>5</td>
<td>Coarse Sand</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td>0.3</td>
<td>Med. Sand</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td></td>
<td>0</td>
<td>Fine Sand</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td></td>
<td>0</td>
<td>Silt/Clay</td>
</tr>
</tbody>
</table>

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

**Completion Time:** N/A

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

**Backfill Time:** N/A

**Backfill Date:** N/A

**Soil Backfill Date:** N/A

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

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

**Drilling Contractor:** MP Environmental Svcs.

**Log of Boring ISRA-2010.GPJ  BOEING.GDT  3/25/11**

**Graph Log**

- **Depth (feet):** 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
- **Water Level:** Retained
- **PID (ppm):** SM

**USCS Soil Classification**
- **Gravel:** 10
- **Coarse Sand:** 20
- **Med. Sand:** 30
- **Fine Sand:** 35
- **Silt/Clay:**

**Description:**
- Total Depth = 2.5 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.
<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>2</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td>Silty Sand, yellowish brown (10YR 5/4), dry, moderate cementation [Alluvium]</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>70</td>
<td>25</td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:15 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
</tr>
</tbody>
</table>
**Boring ID: B1ET0574**

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 2.5  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Northing (ft):** 269368.98  
**Easting (ft):** 1796830.04  
**Job Number:** 1008208  
**Site:** B1-2

**Drill Start Date:** 09-27-2010  
**Start Time:** 11:10  
**Logged By:** J. Parkes  
**Reviewed By:** M. Milman-Barris, P.G.

**Drill Finish Date:** 09-27-2010  
**Finish Time:** 11:20  
**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:** D. Velasquez

**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

<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>
<th>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td>SP-SM</td>
<td>Poorly Graded Sand with Silt, brown (10YR 5/3), loose, dry [Alluvium]</td>
<td>10 80 10</td>
</tr>
</tbody>
</table>

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

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

Collected soil sample S001 at 11:15 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0575**

<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>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>0</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.3</td>
<td></td>
<td></td>
<td>2</td>
<td>Silty Sand, dark yellowish brown (10YR 3/4), loose to medium dense, dry, moderate cementation [Alluvium]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Collected soil sample S001 at 11:00 from excavation floor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Log of Boring Outfall 009 ISRA-2010.GPJ BOEING.GDT 3/25/11**

**Field Instrumentation:**

**Site:** B1-2

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

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

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

**Drilling Contractor:** MP Environmental Svcs.
Silty Sand, dark yellowish brown (10YR 4/4), loose, dry [Alluvium]

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

Collected soil sample S001 at 11:30 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>Water Level</th>
<th>Depth (feet)</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
</tbody>
</table>

- Silty Sand, dark yellowish brown (10YR 3/4), loose to medium dense, dry
  [Alluvium]

- Total Depth = 2.5 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.

- 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

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

- N/A

- N/A
**Boring ID: B1ET0578**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Northing (ft):** 269358.09
- **Easting (ft):** 1796844.57
- **Job Number:** 1008208
- **Site:** B1-2
- **Drill Start Date:** 09-27-2010
- **Start Time:** NR
- **Logged By:** A. Goldenberg
- **Drill Finish Date:** 09-27-2010
- **Finish Time:** NR
- **Drilling Contractor:** MP Environmental Svcs.
- **Field Instrumentation:** PID
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Boring ID:** B1ET0578
- **NR**
- **N/A**
- **PID**
- **B1ET0578**
- **A. Vann**
- **Easting (ft):**
  - 2.52
- **Date / Time:**
  - 40
- **Date / Time:**
  - 3525
- **NR**
- **N/A**
- **Easting (ft):**
  - 3525
- **[See Trench Log ISRA-B1-2 for lithology]**
- **Surface soil and alluvium excavated to approx. 2 ft**
- **Total Depth = 2.5 ft; terminated prior to refusal on bedrock.**
- **Collected soil sample S001 at 10:30 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**

### Description

- **SM**
  - Silty Sand, dark yellowish brown (10YR 3/4), loose to medium dense, dry, contains rootlets [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></td>
<td></td>
<td>25</td>
<td>35</td>
<td>40</td>
</tr>
</tbody>
</table>

### Sample Interval

<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>Depth (feet)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</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>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 3/4), loose to medium dense, dry, contains rootlets [Alluvium]</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 10:30 from excavation floor.</td>
</tr>
<tr>
<td>5</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>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>0</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>2</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, brown (10YR 4/3), dry [Alluvium]</td>
<td>15 70 15</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 10:35 from excavation floor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
</tr>
</tbody>
</table>
**Boring ID: B1ET0580**

- **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:** J. Parkes
- **Reviewed By:** M. Milman-Barris, P.G.
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Field Instrumentation:** PID
- **Drilling Contractor:** MP Environmental Svcs.

**Comments:**
- Surface soil and alluvium excavated to approx. 2 ft
- Sample retained in 6-inch stainless steel sleeve / Encores
- Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
- Collected soil sample S001 at 10:30 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>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.1</td>
<td>SM</td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry [Alluvium]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
</tr>
</tbody>
</table>

- **Date / Time:** 09-27-2010
- **Drill Finish Date:** 09-27-2010
- **Backfill Time:** N/A
- **PID:** B1ET0580
- **Easting (ft):** 269382.16
- **N/A**
- **Northing (ft):** 1796865.64
- **Start Time:** 10:20
- **Date / Time:** N/A
- **Job Number:** 269382.16
- **Logged By:** J. Parkes
- **Reviewed By:** M. Milman-Barris, P.G.
- **Well Comp. Date:** N/A
- **Completion Time:** N/A
- **Depth 1st H2O (ft):** N/A
- **Date / Time:** N/A
- **Sample Retained in:** 6-inch stainless steel sleeve / Encores
- **Smokers:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Well Comp. Date:** N/A
- **Completion Time:** N/A
- **Field Instrumentation:** PID
- **Drilling Contractor:** MP Environmental Svcs.
- **Surface soil and alluvium excavated to approx. 2 ft**
- **Sample Interval:** 0.1
- **Sample Type:** S
- **Recovery (%):** 0.1
- **Blow Count/6":** SM
- **Water Level:** N/A
- **Depth (feet):** 0
- **Graphic Log:** [See Trench Log ISRA-B1-2 for lithology]
- **USCS Soil Classification:** SM
- **Est. % of Soil:** 10 70 20
- **Gravel:** 10
- **Coarse Sand:** 70
- **Med. Sand:** 20
- **Fine Sand:** 0
Borehole Diam. (in.): 2
Total Depth (ft): 2.5
Northing (ft): 269398.51
Easting (ft): 1796876.04
Drill Start Date: 09-27-2010
Start Time: 10:50
Logged By: N. Beaty
Drill Finish Date: 09-27-2010
Finish Time: 11:05
Drilling Contractor: MP Environmental Svcs.
PID
Boring ID: 1796876.04
Job Number: 1008208
Site: B1-2
Comments: Surface soil and alluvium excavated to approx. 2 ft
Drill Rig Type/Method: Grab (hand sampling)
Driller's Name: R. Velasquez
[See Trench Log ISRA-B1-2 for lithology]
Silty Sand, yellowish brown (10YR 5/4), dry [Alluvium]
Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
Collected soil sample S001 at 11:00 from excavation floor.
Excavation backfilled 01-12-2011 - 01-31-2011.
Bored to a depth of 2.5 ft; terminated prior to refusal on bedrock.

Collected soil sample S001 at 11:30 from excavation floor.

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

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

Silty Sand, brown (10YR 5/3), dry [Alluvium]

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

Collected soil sample S001 at 11:30 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0583**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Northing (ft):** 269308.10
- **Easting (ft):** 1796853.91
- **Job Number:** 1008208
- **Site:** B1-2
- **Drill Start Date:** 09-27-2010
- **Start Time:** NR
- **Logged By:** A. Goldenberg
- **Drill Finish Date:** 09-27-2010
- **Finish Time:** NR
- **Drilling Contractor:** MP Environmental Svcs.
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Easting (ft):** 1796853.91
- **N/A
- **Date / Time:** N/A
- **Driller’s Name:** A. Vann

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

**Sample Type** | **Description** |  |  |  | **Est. % of Soil** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 3/4), medium dense, dry [Alluvium]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Collected soil sample S001 at 11:15 from excavation floor.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

- **Easting (ft):** 1796853.91
- **Date / Time:** N/A
- **Driller’s Name:** A. Vann
- **Depth H2O After Drilling (ft):** N/A
- **Date / Time:** N/A
- **Driller’s Name:** A. Vann

**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

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

**Completion Time:** N/A
**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>USCS Soil Classification</th>
<th>USCS Soil Classification</th>
<th>Depth (feet)</th>
<th>Graphic Log</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>0</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>
<td>SM</td>
<td>Silty Sand, brown (10YR 5/3), dry [Alluvium]</td>
<td>1</td>
<td>0.2</td>
<td>20 65 15</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock.</td>
<td>2</td>
<td>0.2</td>
<td>20 65 15</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Collected soil sample S001 at 11:20 from excavation floor.</td>
<td>3</td>
<td>0.2</td>
<td>20 65 15</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td>4</td>
<td>0.2</td>
<td>20 65 15</td>
</tr>
</tbody>
</table>

**Boring ID: B1ET0584**

- **Borehole Diam. (in.):** 2
- **Total Depth (ft):** 2.5
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Northing (ft):** 269337.55
- **Easting (ft):** 1796869.66
- **Job Number:** 1008208
- **Site:** B1-2
- **Drill Start Date:** 09-27-2010
- **Start Time:** 11:20
- **Logged By:** N. Beaty
- **Reviewed By:** M. Milman-Barris, P.G.
- **Drill Finish Date:** 09-27-2010
- **Finish Time:** 11:25
- **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
- **Drill Rig Type/Method:** Grab (hand sampling)
- **Depth H₂O:** N/A
- **Date / Time:** N/A
- **Boring ID:** B1ET0584
- **Easting (ft):** 1796869.66
- **Start Time:** 11:20
- **Finish Time:** 11:25
- **N/A**
- **N/A**
- **PID**
- **Northing (ft):** 269337.55
- **Start Time:** 11:20
- **Finish Time:** 11:25
- **N/A**
- **N/A**
- **R. Velasquez**
- **Comments:** Surface soil and alluvium excavated to approx. 2 ft
- **Well Comp. Date:** N/A
- **Completion Time:** N/A
- **Job Number:** 269337.55
- **Logged By:** M. Milman-Barris, P.G.
- **Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property
- **Job Number:** 269337.55
- **Logged By:** M. Milman-Barris, P.G.
- **Reviewed By:** M. Milman-Barris, P.G.
- **Well Comp. Date:** N/A
- **Completion Time:** N/A
- **Comments:** Sample retained in 6-inch stainless steel sleeve / Encores
- **Sample Interval Retained:** Sample Type
- **Depth (feet):** 0
- **USCS Soil Classification:** [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”</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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td>SM</td>
<td>Silty Sand, yellowish brown (10YR 5/4), dry [Alluvium]</td>
</tr>
</tbody>
</table>

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

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

Collected soil sample S001 at 12:00 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
Boring ID: B1ET0586

<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>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, moderate cementation [Alluvium]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, moderate cementation [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

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

Collected soil sample S001 at 11:30 from excavation floor.

Excavation backfilled 01-12-2011 - 01-31-2011.
**Boring ID: B1ET0587**

<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>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>0.2</td>
<td>SM</td>
<td>2</td>
<td>Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

Collected soil sample S001 at 11:55 from excavation floor.

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

- *Gravel* 10%
- *Coarse Sand* 70%
- *Med. Sand* 20%
- *Fine Sand* 0%
- *Silt/Clay* 0%

**Borehole Diam. (in.):** 2

**Total Depth (ft):** 2.5

**Northing (ft):** 269301.09

**Easting (ft):** 1796787.90

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

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

**Drill Start Date:** 09-27-2010

**Start Time:** 11:43

**Logged By:** S. Aichner

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

**Easting (ft):** 09-27-2010

**Finish Time:** 11:55

**Drilling Contractor:** MP Environmental Svcs.

**Date / Time:** 09-27-2010

**N/A**

**Date / Time:** N/A

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

**Birds Name:** S. Aichner

**Date / Time:** 09-27-2010

**N/A**

**Date / Time:** N/A

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

**Job Number:** 1008208

**Site:** B1-2

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

**Log of Boring Outfall 009 ISRA-2010.GPJ BOEING.GDT 3/25/11**

**Log of Boring Outfall 009 ISRA-2010.GPJO BOEING.GDT 3/25/11**
**LOG OF BORING OUTFALL009_ISRA-2010.GPJ  BOEING.GDT  3/25/11**

**MWH**

**Boring ID: B1ET0588**

Borehole Diam. (in.): 2  
Total Depth (ft): 2.5  
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  
Northing (ft): 269314.80  
Easting (ft): 1796798.28  
Job Number: 1008208  
Site: B1-2  
Drill Start Date: 09-27-2010  
Start Time: NR  
Logged By: A. Goldenberg  
Drill Finish Date: 09-27-2010  
Finish Time: NR  
Reviewed By: M. Milman-Barris, P.G.  
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. 2 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  
Samplers:  
Field Instrumentation:  

<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>PID</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.2</td>
<td>SM</td>
<td>2</td>
<td>0.2</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, subangular gravel [Alluvium]**
- **Total Depth = 2.5 ft; terminated prior to refusal on bedrock.**
- **Collected soil sample S001 at 12:30 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Water Level</th>
<th>PID</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td>1.0 3.0 20.0 30.0 35.0</td>
</tr>
</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 2 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
- Samplers:
- Field Instrumentation:
- Drilling Contractor: MP Environmental Svcs.
- Driller's Name: A. Vann
- Comments: Surface soil and alluvium excavated to approx. 2 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
- Samplers:
- Field Instrumentation:
- Drilling Contractor: MP Environmental Svcs.
- Driller's Name: A. Vann

**Borehole Diam. (in.): 2  
Total Depth (ft): 2.5  
Project: ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property  
Northing (ft): 269314.80  
Easting (ft): 1796798.28  
Job Number: 1008208  
Site: B1-2  
Drill Start Date: 09-27-2010  
Start Time: NR  
Logged By: A. Goldenberg  
Drill Finish Date: 09-27-2010  
Finish Time: NR  
Reviewed By: M. Milman-Barris, P.G.  
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. 2 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  
Samplers:  
Field Instrumentation:  

<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>PID</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>S</td>
<td>0.2</td>
<td>SM</td>
<td>2</td>
<td>0.2</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, subangular gravel [Alluvium]**
- **Total Depth = 2.5 ft; terminated prior to refusal on bedrock.**
- **Collected soil sample S001 at 12:30 from excavation floor.**
- **Excavation backfilled 01-12-2011 - 01-31-2011.**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Water Level</th>
<th>PID</th>
<th>Graphic Log</th>
<th>USCS Soil Classification</th>
<th>Est. % of Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SM</td>
<td></td>
<td></td>
<td>Silt/Clay</td>
<td>1.0 3.0 20.0 30.0 35.0</td>
</tr>
</tbody>
</table>

**Comments:**
- Surface soil and alluvium excavated to approx. 2 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
- Samplers:
- Field Instrumentation:
- Drilling Contractor: MP Environmental Svcs.
- Driller's Name: A. Vann

**Sheet 1 of 1**
**Boring ID: B1ET0589**

<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>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>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SM</td>
<td>0.1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silty Sand, yellowish brown (10YR 5/4), dry, moderate cementation [Alluvium]</td>
<td>10 75 15</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:30 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.</td>
<td></td>
</tr>
<tr>
<td>Sample Interval</td>
<td>Sample Retained</td>
<td>Recovery (%)</td>
<td>Blow Count/6&quot;</td>
<td>Water Level</td>
<td>Depth (feet)</td>
<td>Graphic Log</td>
<td>USCS Soil Classification</td>
<td>Description</td>
<td>Est. % of Soil</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
<td>--------------</td>
<td>--------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td>--------------------------</td>
<td>-------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>0.0</td>
<td>S</td>
<td>1.0</td>
<td>SM</td>
<td>0.0</td>
<td>1.5</td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td>Silty Sand with Gravel, dark yellowish brown (10YR 4/4), dense, dry, angular to subangular gravel and cobbles, asphalt fragments [Fill]</td>
<td>15 5 30 30 20</td>
<td></td>
</tr>
</tbody>
</table>

Total Depth = 1.5 ft.
Collected soil sample S001 at 13:30 from excavation sidewall.
Excavation backfilled 01-12-2011 - 01-31-2011.
<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>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>0.0</td>
<td>0.2</td>
<td>SM</td>
<td>2.0</td>
<td></td>
<td></td>
<td></td>
<td>0.0</td>
<td></td>
<td>[See Trench Log ISRA-B1-2 for lithology]</td>
<td></td>
</tr>
<tr>
<td>2.0</td>
<td></td>
<td>SM</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td>2.0</td>
<td></td>
<td>Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]</td>
<td></td>
</tr>
</tbody>
</table>

Total Depth = 2.5 ft; terminated prior to refusal on bedrock.
Collected soil sample S001 at 13:08 from excavation floor.
Excavation backfilled 01-12-2011 - 01-31-2011.

<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>10</td>
<td>20</td>
<td>50</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

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

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

[See Trench Log ISRA-B1-2 for lithology]
**Boring ID: B1ET0592**

**Borehole Diam. (in.):** 2  
**Total Depth (ft):** 2.5  
**Project:** ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Northing (ft):** 269265.78  
**Easting (ft):** 1796766.82  
**Job Number:** 1008208  
**Site:** B1-2

**Drill Start Date:** 09-27-2010  
**Start Time:** 13:18  
**Logged By:** S. Aichner

**Drill Finish Date:** 09-27-2010  
**Finish Time:** 13:34  
**Drilling Contractor:** MP Environmental Svcs.

**Depth 1st H2O (ft):** N/A  
**Date / Time:** N/A  
**Logged By:** S. Aichner

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

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

**Sample Interval Retained:** Sample Type  
**Sample Type:** Encores  
**Sample Interval:** 2 ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property

**Sample Retained:** 6-inch stainless steel sleeve  
**Encores:**

**Recovery (%):** 0.1  
**Blow Count/6”:**

**Depth (feet):**

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Sample Type</th>
<th>Recovery</th>
<th>Blow Count/6”</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SP-SM</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SP-SM</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SP-SM</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>SP-SM</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>SP-SM</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>SP-SM</td>
<td>0.1</td>
<td></td>
</tr>
</tbody>
</table>

**USCS Soil Classification:**

**Water Level:**

**Depth (feet):**

**Graphic Log:**

**Description:**

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

- Poorly Graded Sand with Silt, dark yellowish brown (10YR 4/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]

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

- Collected soil samples S001 and split S001SP at 13:34 from excavation floor.

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

**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>20</td>
<td>70</td>
<td>10</td>
</tr>
</tbody>
</table>

**Comments:**

- Surface soil and alluvium excavated to approx. 2 ft
- Collected soil samples S001 and split S001SP at 13:34 from excavation floor.