Asphalt (0-1)

Grey, gravelly SAND with shell fragments (loose, dry) (no odor, no sheen)

Grey to brown, sandy SILT (loose, damp) (no odor, no sheen)

Dark grey, silty SAND with shell debris, (loose, wet) (odor, no sheen)

Dark grey, silty fine to medium SAND with shell debris (loose, wet) (odor, sheen)

Dark brown, silty SAND (medium dense, moist) (no odor, no sheen)

Silt at 10.0'

Boring Completed 05/25/07
Total Depth of Boring = 10.0 ft.
Log of Boring SB-5

Drilling Method: Geoprobe™
Drilled By: Cascade Drilling Inc.

Boring Completed 05/25/07
Total Depth of Boring = 8.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
### Sample Data

<table>
<thead>
<tr>
<th>Depth</th>
<th>Sample Number &amp; Interval</th>
<th>Sampler Type</th>
<th>Blows/Foot</th>
<th>PID (ppm)</th>
<th>Graphic Symbol</th>
<th>USCS Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>d3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AC</td>
<td>Asphalt</td>
</tr>
<tr>
<td>2.0</td>
<td>SB-6 (0.5-1.5)</td>
<td></td>
<td></td>
<td>0.0</td>
<td>GM</td>
<td></td>
<td>Grey, sandy, GRAVEL (medium dense, damp) (no odor, no sheen) (fill)</td>
</tr>
<tr>
<td>2.0</td>
<td>SB-6 (1.5-2.5)</td>
<td></td>
<td></td>
<td>0.0</td>
<td>SM</td>
<td></td>
<td>Grey, silty, medium to fine SAND with trace gravel (loose moist) (no odor, no sheen)</td>
</tr>
<tr>
<td>5.0</td>
<td>SB-6 (5-6)</td>
<td></td>
<td></td>
<td>0.0</td>
<td>SM</td>
<td></td>
<td>Grey, silty, fine SAND (medium dense, wet) (no odor, no sheen)</td>
</tr>
<tr>
<td>8.0</td>
<td></td>
<td></td>
<td></td>
<td>0.0</td>
<td>SM</td>
<td></td>
<td>Dark grey, silty SAND with several traces of silt with orange color (medium dense, moist) (no odor, no sheen)</td>
</tr>
</tbody>
</table>

### Soil Profile

Boring Completed 05/25/07  
Total Depth of Boring = 8.0 ft.

### Groundwater

Water Level

---

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
SB-7

**SAMPLE DATA**

<table>
<thead>
<tr>
<th>Sample Number &amp; Interval</th>
<th>Sampler Type</th>
<th>Blows/foot</th>
<th>PID (ppm)</th>
<th>Graphic Symbol</th>
<th>USCS Symbol</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB7 (0.5-1)</td>
<td>d3</td>
<td>0.0</td>
<td>0.0</td>
<td>PC</td>
<td>Concrete pad</td>
<td></td>
</tr>
<tr>
<td>SB7 (1-2)</td>
<td>d3</td>
<td>0.0</td>
<td>0.0</td>
<td>SP</td>
<td>Light greyish/brown, gravelly, fine to medium SAND (loose, dry) (no odor, no sheen)</td>
<td></td>
</tr>
<tr>
<td>SB7 (5-6)</td>
<td>d3</td>
<td>0.0</td>
<td>0.0</td>
<td>SP</td>
<td>Light grey, gravelly SAND (loose, moist) (no odor, no sheen)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SP</td>
<td>Light grey, fine to medium SAND with wood debris and shell fragments (loose, wet) (no odor, no sheen)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ML</td>
<td>Light grey, sandy SILT with trace shell fragments (medium dense, moist) (no odor, no sheen)</td>
<td></td>
</tr>
</tbody>
</table>

**SOIL PROFILE**

- Drilling Method: Geoprobe™
- Ground Elevation (ft): ____________
- Drilled By: Cascade Drilling Inc.
- Water Level: ____________

**GROUNDWATER**

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
### SAMPLE DATA

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Sample Number &amp; Interval</th>
<th>Sampler Type</th>
<th>Blows/Foot</th>
<th>PID (ppm)</th>
<th>Graphic Symbol</th>
<th>USCS Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SB8 (0.5-1.5)</td>
<td></td>
<td></td>
<td></td>
<td>d3</td>
<td>AC</td>
</tr>
<tr>
<td>12.8</td>
<td>SB8 (7-8)</td>
<td></td>
<td></td>
<td></td>
<td>SP</td>
<td>Light brownish grey, gravelly fine to medium SAND with trace shell fragments and seam of silt (loose, dry) (no odor, no sheen)</td>
</tr>
<tr>
<td>780</td>
<td>SB8 (8.5-9.5)</td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Light grey, silty SAND with silt seams (loose, moist) (no odor, no sheen)</td>
</tr>
<tr>
<td>10.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Dark greyish/brown silty, fine SAND with shells (loose, moist) (petroleum odor, no sheen)</td>
</tr>
<tr>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ML</td>
<td>Grey, sandy SILT with shell fragments (loose, wet) (petroleum odor, no sheen)</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Grey, silty SAND with shell fragments (loose, wet (no odor, no sheen)</td>
</tr>
</tbody>
</table>

### SOIL PROFILE

- **Drilling Method:** Geoprobe™
- **Ground Elevation (ft):**
- **Drilled By:** Cascade Drilling Inc.

### GROUNDWATER

- **Water Level**

---

**Notes:**
1. Stratigraphic contacts are based on field interpretations and are approximate.
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3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
**SOIL PROFILE**

- **SB-9**
  - **SB9 (0-0.5)**: Brownish/grey, gravelly, fine to medium SAND with cobbles (loose, dry) (no odor, no sheen)
  - **SB9 (1-2)**: Light to dark grey, gravelly, fine to medium SAND with shell fragments (loose, moist) (no odor, no sheen)
  - **SB9 (6-7)**: Light grey, silty, fine to medium SAND (loose, wet) (no odor, no sheen)
  - **SB9 (10-11)**: Grey, fine, sandy SILT (soft, wet) (no odor, no sheen)

**GROUNDWATER**

- **Drilling Method:** Geoprobe™
- **Drilled By:** Cascade Drilling Inc.

**Sample Data**

<table>
<thead>
<tr>
<th>Sample Number &amp; Interval</th>
<th>Sampler Type</th>
<th>Blows/Foot</th>
<th>PID (ppm)</th>
<th>Graphic Symbol</th>
<th>USCS Symbol</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB9 (0-0.5)</td>
<td></td>
<td></td>
<td></td>
<td>SP</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>SB9 (1-2)</td>
<td>d3</td>
<td>0.0</td>
<td>0.0</td>
<td>SP</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>SB9 (6-7)</td>
<td>d3</td>
<td>0.0</td>
<td>0.0</td>
<td>SM</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>SB9 (10-11)</td>
<td>d3</td>
<td>0.0</td>
<td>0.0</td>
<td>ML</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

---

**Figure A-15**

Cap Sante Marine
Anacortes, Washington

Log of Boring SB-9
**SB-10**

### SAMPLE DATA

<table>
<thead>
<tr>
<th>Sample Number &amp; Interval</th>
<th>Sampler Type</th>
<th>Blows/foot</th>
<th>PID (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB10 (0-0.5)</td>
<td>AC</td>
<td>0.0</td>
<td>Asphalt</td>
</tr>
<tr>
<td>SB10 (1-2)</td>
<td>SP</td>
<td>0.0</td>
<td>Light brown, gravelly, fine to medium SAND (loose, dry) (no odor, no sheen)</td>
</tr>
<tr>
<td>SB10 (5-6)</td>
<td>SM</td>
<td>0.0</td>
<td>Light brown, gravelly, silty, SAND (medium dense, dry) (no odor, no sheen)</td>
</tr>
<tr>
<td></td>
<td>ML</td>
<td>0.0</td>
<td>Dark grey, sandy, SILT with shell fragments (medium dense, wet) (no odor, no sheen)</td>
</tr>
</tbody>
</table>

### SOIL PROFILE

- **Drilling Method:** Geoprobe™
- **Ground Elevation (ft):**
- **Drilled By:** Cascade Drilling Inc.

### GROUNDWATER

- **Water Level**

---

**Notes:**

1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to “Soil Classification System and Key” figure for explanation of graphics and symbols.

---

Boring Completed 05/24/07
Total Depth of Boring = 8.0 ft.
# SB-11

## SAMPLE DATA

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Sample Number &amp; Interval</th>
<th>Sampler Type</th>
<th>Blows/Foot</th>
<th>PID (ppm)</th>
<th>Graphic Symbol</th>
<th>USCS Symbol</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>SB1 (0.5-1.5)</td>
<td>d3</td>
<td></td>
<td>0.0</td>
<td>AC</td>
<td>Asphalt</td>
<td></td>
</tr>
<tr>
<td>2.0</td>
<td>SB1 (1.5-2.5)</td>
<td>d3</td>
<td></td>
<td>0.0</td>
<td>SP</td>
<td>Light brownish/grey, gravelly, medium SAND (medium dense, dry) (no odor, no sheen)</td>
<td></td>
</tr>
<tr>
<td>6.0</td>
<td>SB1 (5-6)</td>
<td>d3</td>
<td></td>
<td>0.0</td>
<td>SM</td>
<td>Brown, silty, fine to medium SAND with wood debris and rocks (medium dense, damp) (no odor, no sheen)</td>
<td></td>
</tr>
<tr>
<td>8.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Orangeish/brown, silty SAND (medium dense, wet) (no odor, no sheen)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SM</td>
<td>Dark grey to black, silty SAND with shell fragments (loose, wet) (no odor, no sheen)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ML</td>
<td>Grey, sandy SILT with shell fragments (loose, wet) (no odor, no sheen)</td>
<td></td>
</tr>
</tbody>
</table>

**Graphic Symbol**
- AC: Asphalt
- SP: Light brownish/grey, gravelly, medium SAND (medium dense, dry) (no odor, no sheen)
- SM: Brown, silty, fine to medium SAND with wood debris and rocks (medium dense, damp) (no odor, no sheen)
- DM: Orangeish/brown, silty SAND (medium dense, wet) (no odor, no sheen)
- ML: Grey, sandy SILT with shell fragments (loose, wet) (no odor, no sheen)

**Drilling Method:** Geoprobe™

**Drilled By:** Cascade Drilling Inc.

**Ground Elevation (ft):**

- **Water Level:**

**Boring Completed 05/24/07**

**Total Depth of Boring = 8.0 ft.**

---

**Notes:**
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SB-12

**Sample Data**

- Depth (ft):
- Sample Number & Interval:
- Sampler Type:
- Blows/foot:
- PID (ppm):
- Graphic Symbol:
- USCS Symbol:
- Drilling Method: Geoprobe™
- Ground Elevation (ft):
- Drilled By: Cascade Drilling Inc.

**Soil Profile**

- SB12 (0.75-1.75):
  - AC: Aspalt
  - RK: Crushed rock
  - SP: Light brown, gravelly, fine to medium SAND with shell fragments (medium dense, dry) (no odor, no sheen)
  - SM: Grey, silty SAND (medium dense, moist) (no odor, no sheen)
  - SM: Light to dark grey, silty medium SAND with shell fragments (medium dense, moist) (no odor, no sheen)
  - ML: Dark grey, sandy SILT with rocks (medium dense, moist) (no odor, no sheen)
  
- SB12 (2-3):
- SB12 (5-6):
  - ML: Dark grey, sandy SILT with shell fragments (loose, wet) (no odor, no sheen)

**Groundwater**

- Water Level

Boring Completed 05/25/07
Total Depth of Boring = 8.0 ft.

Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.
**Log of Boring SB-13**

**Drilling Method:** Geoprobe™

**Ground Elevation (ft):**

**Drilled By:** Cascade Drilling Inc.

**GROUNDWATER**

**Drilled By:** Cascade Drilling Inc.

**SOIL PROFILE**

<table>
<thead>
<tr>
<th>Sample Number &amp; Interval</th>
<th>Graphic Symbol</th>
<th>Depth (ft)</th>
<th>Sample Type</th>
<th>Blows/Foot</th>
<th>PID (ppm)</th>
<th>USCS Symbol</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB13 (0.5-1.5)</td>
<td>AC</td>
<td>0.0</td>
<td>Asphalt</td>
<td>0</td>
<td>0.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SB13 (1.5-3)</td>
<td>SP</td>
<td>0.0</td>
<td>Grey, gravelly SAND (medium dense, dry) (no odor, no sheen)</td>
<td>0</td>
<td>0.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GM</td>
<td>0.0</td>
<td>Grey, sandy GRAVEL with wood debris (medium dense, moist) (no odor, no sheen)</td>
<td>0</td>
<td>0.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ML</td>
<td>0.0</td>
<td>Grey, sandy SILT with wood debris (loose, wet) (no odor, no sheen)</td>
<td>0</td>
<td>0.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

---

Boring Completed 05/25/07
Total Depth of Boring = 8.0 ft.
Boring Completed 05/25/07
Total Depth of Boring = 10.0 ft.

Notes: 1. Stratigraphic contacts are based on field interpretations and are approximate.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.