



**SNC-LAVALIN**  
**Environment**

Client :  
Imperial Oil

**Borehole No. : 05-37**

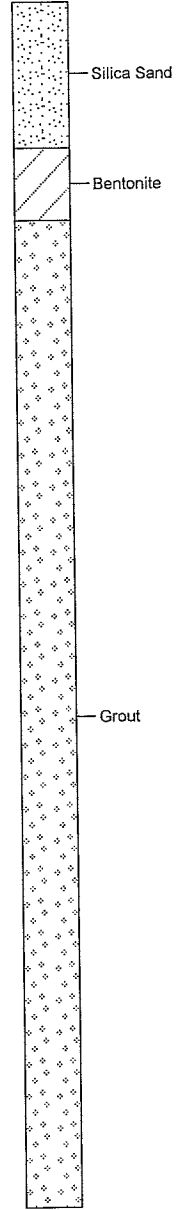
Location :  
355 Blair Street, Invermere, BC

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Drilling Contractor: Geotech Drilling Services Ltd.  
Drilling Method : Odex  
Borehole Dia. (m) : 0.10

Project Number :130467  
Borehole Logged By :MLU  
Date Drilled :2005 01 08  
Log Typed By :SW

| Depth in Metres  | Drilling Legend  | Water/LPH Levels                             | Stratigraphy Plot | Sample Interval/<br>Core Run | Sample Number | Blow Count | % Recovery | Soil Vapour<br>(% LEL) |
|------------------|--|--|-------------------|------------------------------|---------------|------------|------------|------------------------|
|                  | Sample Interval<br>Odex<br>Auger Flight                                | Water Level 1<br>Water Level 2<br>LPH<br>LPH |                   |                              |               |            |            |                        |
| Soil Description |  |  |                   |                              |               |            |            |                        |
| 0                | GRAVEL, fine to coarse, some silt, some fine grained sand, brown, dry. |  |                   |                              |               |            |            |                        |
| 1                | SAND, silty, trace gravel, brown, saturated.                           |  |                   |                              |               |            |            |                        |
| 2                | SILT, brown with some grey mottling, saturated, trace rootlets.        |  |                   |                              |               |            |            |                        |
|                  | - at 2.3 m, becomes some clay  |  |                   |                              |               |            |            |                        |
|                  | SILT, some sand, brown with grey mottling, medium dense, saturated.    |  |                   |                              |               |            |            |                        |
| 3                | SAND, fine to medium grained, trace fine gravel, brown, saturated.     |  |                   |                              |               |            |            |                        |
|                  | GRAVEL, fine to coarse, some cobbles, brown.                           |  |                   |                              |               |            |            |                        |
| 4                |  |  |                   |                              |               |            |            |                        |
| 5                | - between 4.9 m and 5.2 m, becomes some coarse grained sand.           |  |                   |                              |               |            |            |                        |



...Continued

**Notes:**  
Bolded sample denotes sample analyzed.



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|------------------|--|--|-------------------|------------------------------|---------------|------------|------------|------------------------|
|                  | Sample Interval<br>Odex<br>Auger Flight                          | Water Level 1<br>Water Level 2<br>LPH<br>LPH |                   |                              |               |            |            |                        |
| Soil Description |  |  |                   |                              |               |            |            |                        |
| 5                | some silt  |  |                   |                              |               |            |            |                        |
| 6                |  |  |                   |                              |               |            |            |                        |
| 7                |  |  |                   |                              |               |            |            |                        |
| 8                | SAND, silty, brown, soft.  |  |                   |                              |               |            |            |                        |
| 8                | SILT, trace fine grained sand, some clay, grey, soft, saturated. |  |                   |                              | BH05-37-1     |            | 100        |                        |
| 9                |  |  |                   |                              |               |            |            |                        |
| 10               |  |  |                   |                              |               |            |            |                        |

Grout

...Continued

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| Depth in Metres | Drilling Legend                           | Water/LPH Levels   | Stratigraphy Plot | Sample Interval/<br>Core Run | Sample Number | Blow Count | % Recovery | Soil Vapour<br>(% LEL) |
|-----------------|---|--|-------------------|------------------------------|---------------|------------|------------|------------------------|
|                 | Soil Description                          | <ul style="list-style-type: none"> <li> Sample Interval</li> <li> Odex</li> <li> Auger Flight</li> <li> Water Level 1</li> <li> Water Level 2</li> <li> LPH</li> <li> LPH</li> </ul> |                   |                              |               |            |            |                        |
| 10              |   |  |                   |                              |               |            |            |                        |
| 11              | GRAVEL, fine to coarse, brown, saturated. |  |                   |                              |               |            |            |                        |
| 12              | - at 11.4 m, becomes gravel and cobbles   |  |                   |                              |               |            |            |                        |
| 13              |   |  |                   |                              |               |            |            |                        |
| 14              |   |  |                   |                              |               |            |            |                        |
| 15              |   |  |                   |                              |               |            |            |                        |

Grout

...Continued

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Print Date: 2012 03 30, Date Approved: 2005 01 10



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|----------------------------|--|--|-------------------|------------------------------|---------------|------------|------------|------------------------|-------|
|                            | Sample Interval<br>Odex<br>Auger Flight  | Water Level 1<br>Water Level 2<br>LPH<br>LPH |                   |                              |               |            |            |                        |       |
| Soil Description           |  |  |                   |                              |               |            |            |                        |       |
| 15                         | SILT and GRAVEL, grey, dense, saturated. |  |                   |                              |               |            |            |                        |       |
| 16                         | GRAVEL and COBBLES, brown, saturated.    |  |                   |                              |               |            |            |                        |       |
| End of borehole at 16.5 m. |  |  |                   |                              |               |            |            |                        |       |
| 17                         |  |  |                   |                              |               |            |            |                        |       |
| 18                         |  |  |                   |                              |               |            |            |                        |       |
| 19                         |  |  |                   |                              |               |            |            |                        |       |
| 20                         |  |  |                   |                              |               |            |            |                        |       |

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