

<b>SITE OBSERVATION FORM:</b>	<b>DNV Landslide Risk Assessment</b>
<b>LOCATION:</b>	<b>2477 Berton Place</b>
<b>INSPECTION DATE:</b> (mm/dd/yy)	<b>11/08/05</b>
<b>WEATHER:</b>	<b>Raining</b>



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500 - 1045 Howe Street  
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Canada V6Z 2A9

THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
AT SLOPE CREST		<input checked="" type="checkbox"/>		
10 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

<b>SLOPE BELOW CREST/ RETAINING STRUCTURE</b>	<b>SLOPE = 34°</b>		
	<b>CRACKS</b>	<b>SLIDES</b>	<b>EROSION</b>
			<input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> Minor erosion, minor over steepening below some trees			

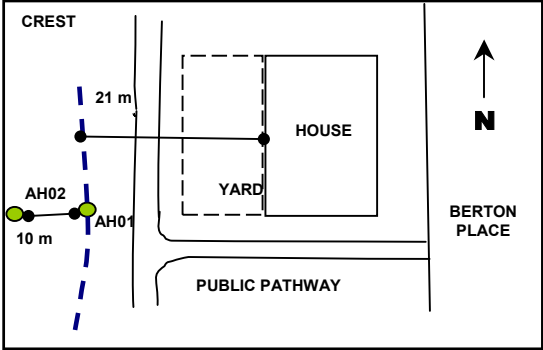
<b>TREES BELOW CREST/ RETAINING STRUCTURE</b>	<b>STRAIGHT</b>	<b>PISTOL-BUTT</b>	<b>LEANING</b>
<b>PERCENT CONIFER:</b> 75%	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> Most trees straight, some leaning			

<b>RETAINING STRUCTURES</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>	<b>HEIGHT= n/a</b>
<b>TYPE</b>	<b>BLOCKS</b>	<b>CONCRETE</b>	<b>TIMBER CRIB</b>
<b>DEFORMATION</b>	<b>UNDEFORMED</b>	<b>CRACKED</b>	<b>SETTLED</b>
<b>OBSERVATIONS:</b>			

<b>DEFORMATION IN BACKYARD</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>
<b>LOCATION:</b>		
<b>DESCRIPTION:</b> None observed		

<b>POOLS</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>
<b>DESCRIPTION:</b>		

<b>SEEPAGE/ SPRINGS IN OR BELOW FILL</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> None observed		



**HOUSE DISTANCE TO CREST = 21 m**

<b>RECEIVES SURFACE RUNOFF FROM</b>	<b>BACKYARD</b>	<b>½ ROOF</b>	<b>FULL ROOF</b>	<b>FRONT YARD</b>	<b>STREET</b>
	<input checked="" type="checkbox"/>				
<b>OBSERVATIONS:</b> Probably runoff only from public pathway					

<b>CONNECTED TO STORM SEWER</b>	<b>YES</b>	<b>NO</b>	<b>UNSURE</b> <input checked="" type="checkbox"/>
<b>OWNERS COMMENTS:</b>			

<b>GENERAL OBSERVATIONS</b>
<ul style="list-style-type: none"> <li>Southern most property of this investigation</li> <li>Public path behind and to the south of property</li> </ul>



Figure 1. 2477 Berton Place – Front of the house



Figure 2. 2477 Berton Place – View of path on west side of house looking north

# INSPECTION LOCATION # 2477 Berton

**Project :** DNV Landslide Risk Assessment

**Project No. :** 0404-002-01

**Location :** 2477 Berton  
**Drill Method :** Dutch Hand Auger  
**Inspection Date :** 08 Nov 05  
**Logged by :** MB/ES  
**Reviewed by :** MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p><b>AUGERHOLE:</b> BGC05-2477BERT-AH01 on Slope Crest  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.00 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 1.00 m minimum</p>			<p><b>AUGERHOLE:</b> BGC05-2477BERT-AH02 10 m Downslope  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.50 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 1.50 m minimum</p>	
-0.0	<p><b>SAND (SM)</b>                      Fine to medium sand, silty, poorly graded, loose, dark brown, no odour, moist, homogeneous, no cementation, some organics                      [TOPSOIL]</p>		-0.0	<p><b>SILT (ML)</b>                      Sandy, fine sand, low plastic, soft, dark brown, no odour, moist, homogeneous, no cementation, trace rootlets, non dilatent                      [TOPSOIL]</p>	
-0.5	<p><b>SAND (SW)</b>                      Fine to coarse sand, some silt, some fine to coarse gravel, well graded sand, loose, max particle size = 10 mm, sub-rounded, brown, no odour, moist, homogeneous, no cementation                      [FILL]</p>		-0.5	<p><b>SAND (SM)</b>                      Fine to medium sand, silty, trace fine to coarse gravel, poorly graded, loose, max particle size = 10 mm, brown, no odour, moist, homogeneous, trace rootlets                      [COLLUVIUM or FILL]</p>	
-1.0	<p>1.00 m: EOH - Refusal of auger on coarse gravel or cobble                      No groundwater encountered</p>		-1.0	<p><b>SAND (SP)</b>                      Fine to medium sand, trace silt, trace fine gravel, trace cobbles, gravel sized clasts of medium sand, poorly graded, loose, max recovered particle size = 3 mm, brown with orange mottling, no odour, moist, homogeneous                      [COLLUVIUM]</p>	
-1.5			-1.5	<p>1.30 m: Material becomes compact</p>	
-2.0			-2.0		
-2.5			-2.5		
-3.0			-3.0	<p>1.50 m: EOH - Refusal of auger on cobble</p>	

BGC05-2477BERT-AH01

**BGC ENGINEERING INC.**  
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 Vancouver, BC Phone: (604) 684 5900

*Client: District of North Vancouver*

**SITE OBSERVATION FORM:** DNV Landslide Risk Assessment  
**LOCATION:** 2475 Berton Place  
**INSPECTION DATE:** (mm/dd/yy) 11/08/05  
**WEATHER:** Raining



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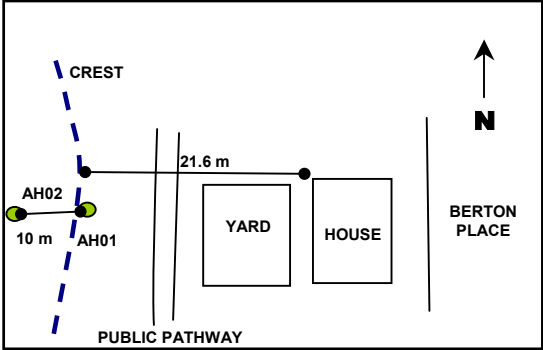
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
AT SLOPE CREST	<input checked="" type="checkbox"/>			
10 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

<b>SLOPE BELOW CREST/ RETAINING STRUCTURE</b>	SLOPE = 35°		
	CRACKS	SLIDES	EROSION
			<input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> Minor erosion around the base of trees.			

<b>TREES BELOW CREST/ RETAINING STRUCTURE</b>	STRAIGHT	PISTOL-BUTT	LEANING
<b>PERCENT CONIFER:</b> 40%			<input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> Most trees straight, some leaning			

<b>RETAINING STRUCTURES</b>	YES	NO <input checked="" type="checkbox"/>	HEIGHT= n/a
<b>TYPE</b>	BLOCKS	CONCRETE	TIMBER CRIB
<b>DEFORMATION</b>	UNDEFORMED	CRACKED	SETTLED
<b>OBSERVATIONS:</b>			

<b>DEFORMATION IN BACKYARD</b>	YES	NO <input checked="" type="checkbox"/>
<b>LOCATION:</b>		
<b>DESCRIPTION:</b> None observed.		



<b>POOLS</b>	YES	NO <input checked="" type="checkbox"/>
<b>DESCRIPTION:</b>		

<b>SEEPAGE/ SPRINGS IN OR BELOW FILL</b>	YES	NO <input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> None observed		

**HOUSE DISTANCE TO CREST = 21.6 m**

<b>RECEIVES SURFACE RUNOFF FROM</b>	BACKYARD <input checked="" type="checkbox"/>	½ ROOF	FULL ROOF	FRONT YARD	STREET
<b>OBSERVATIONS:</b> Probable runoff from public pathway and park area only.					

<b>CONNECTED TO STORM SEWER</b>	YES	NO	UNSURE <input checked="" type="checkbox"/>
<b>OWNERS COMMENTS:</b>			

**GENERAL OBSERVATIONS**

- House is well back from slope crest
- Public path and park are between slope crest and house
- Tiered backyard compensating for a gentle slope towards the south.





Figure 1. 2475 Berton Place – Front of the house



Figure 2. 2475 Berton Place – View of path on west side of house looking south

**Project :** DNV Landslide Risk Assessment

**Project No. :** 0404-002-01

**Location :** 2475 Berton  
**Drill Method :** Dutch Hand Auger  
**Inspection Date :** 08 Nov 05  
**Logged by :** MB/ES  
**Reviewed by :** MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p><b>AUGERHOLE:</b> BGC05-2475BERT-AH01 on Slope Crest  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.30 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 0.80 m</p>			<p><b>AUGERHOLE:</b> BGC05-2475BERT-AH02 10 m Downslope  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.20 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 1.00 m</p>	
0.0	SAND (SM) Fine to coarse sand, silty, some gravel to gravelly, fine to coarse gravel, well graded sand, loose, max particle size = 38 mm, sub-rounded to sub-angular, brown to grey, no odour, moist, homogeneous, no cementation [FILL]		0.0	SILT (ML) Sandy, fine sand, low plastic, soft, dark brown, no odour, moist, homogeneous, no cementation, trace roots, trace wood fragments [TOPSOIL]	
0.5			0.5	SILT (ML) and SAND (SP) Fine sand, trace fine to coarse gravel, gravel sized silt clasts, low plastic, loose, max particle size = 25 mm, brown with orange mottling, no odour, moist, homogeneous, no cementation [COLLUVIUM]	
1.0	SAND (SP) and SILT (ML) Fine to medium sand, trace fine gravel, trace cobbles, poorly graded, compact, max particle size = 3 mm, sub-rounded, light brown to grey with orange mottling, no odour, moist, homogeneous, no cementation, low plastic [Weathered GLACIOMARINE] 1.10 m: Encountered a decomposed root		1.0	SILT (ML) and SAND (SP) Fine to medium sand, trace fine to coarse gravel, trace cobbles, low plastic, compact, max particle size = 25 mm, light brown with orange mottling, no odour, moist, homogeneous, no cementation [Weathered GLACIOMARINE]	
1.30	1.30 m: EOH - Refusal of auger on cobble		1.20	1.20 m: EOH - Refusal of auger on cobbles	
1.5			1.5		
2.0			2.0		
2.5			2.5		
3.0			3.0		

BGC05-2475BERT-AH01

**SITE OBSERVATION FORM:** DNV Landslide Risk Assessment  
**LOCATION:** 2469 Berton Place  
**INSPECTION DATE:** (mm/dd/yy) 11/08/05  
**WEATHER:** Raining



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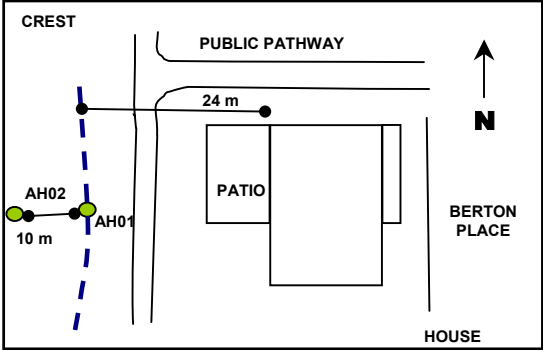
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
AT SLOPE CREST		<input checked="" type="checkbox"/>		
10 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

SLOPE BELOW CREST/ RETAINING STRUCTURE	SLOPE = 30°		
	CRACKS	SLIDES	EROSION
<b>OBSERVATIONS:</b> Some trees completely toppled over due to erosion.			<input checked="" type="checkbox"/>

TREES BELOW CREST/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
<b>PERCENT CONIFER:</b> 60%	<input checked="" type="checkbox"/>		
<b>OBSERVATIONS:</b> Most trees straight, some slightly swayed			

RETAINING STRUCTURES	YES	NO <input checked="" type="checkbox"/>	HEIGHT= n/a
<b>TYPE</b>	CONCRETE	TIMBER CRIB	OTHER:
<b>DEFORMATION</b>	UNDEFORMED	SETTLED	BULGING
<b>OBSERVATIONS:</b>			

DEFORMATION IN BACKYARD	YES	NO <input checked="" type="checkbox"/>
<b>LOCATION:</b>		
<b>DESCRIPTION:</b> None observed		



POOLS	YES	NO <input checked="" type="checkbox"/>
<b>DESCRIPTION:</b>		

SEEPAGE/ SPRINGS IN OR BELOW FILL	YES	NO <input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> None observed		

**HOUSE DISTANCE TO CREST = 24 m**

RECEIVES SURFACE RUNOFF FROM	BACKYARD <input checked="" type="checkbox"/>	½ ROOF	FULL ROOF	FRONT YARD	STREET
<b>OBSERVATIONS:</b> Probably runoff only from public pathway					

CONNECTED TO STORM SEWER	YES	NO	UNSURE <input checked="" type="checkbox"/>
<b>OWNERS COMMENTS:</b>			

**GENERAL OBSERVATIONS**

- House is well back from slope crest, public path between slope crest and house
- Immediately below the slope crest three large decomposed conifers fallen over creating appearance of slump blocks



Figure 1. 2469 Berton Place – Front of the house



Figure 2. 2469 Berton Place – View of path and house looking SW



**Project :** DNV Landslide Risk Assessment

**Project No. :** 0404-002-01

**Location :** 2469 Berton  
**Drill Method :** Dutch Hand Auger  
**Inspection Date :** 08 Nov 05  
**Logged by :** SF/JB  
**Reviewed by :** MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p><b>AUGERHOLE:</b> BGC05-2469BERT-AH01 on Slope Crest  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.00 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 1.00 m minimum</p>			<p><b>AUGERHOLE:</b> BGC05-2469BERT-AH02 10 m Downslope  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.75 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 1.75 m minimum</p>	
0.0	<p>ORGANICS                      Silty, very loose, dark brown, dry</p>		0.0	<p>ORGANICS                      With rounded cobbles, 100 mm max</p>	
	<p>SILT (ML)                      Some fine to medium sand, some fine to coarse gravel, soft, max particle size = 30 mm, sub-rounded gravel, brown, moist, homogeneous, some organics</p>			<p>SAND (SW)                      Fine to coarse sand, silty, some fine to coarse gravel, non plastic silt, well graded, loose, brown, moist, homogeneous [COLLUVIUM]</p>	
0.5	<p>[FILL]                      SILT (ML)                      Trace sand, trace fine to medium rounded gravel, gravel sized silt clasts, non plastic, soft to firm, light grey, moist, homogeneous, no cementation [COLLUVIUM]</p>		0.5	<p>GRAVEL (GW)                      Fine to medium gravel, silty, some sand, well graded, non plastic silt, loose, light grey, moist, homogeneous [COLLUVIUM]                      0.70 m: Material density becomes 'loose to compact'.</p>	
1.0	<p>1.00 m: EOH - Refusal of auger on gravel</p>		1.0		
1.5			1.5	<p>1.60 m: Charcoal present</p>	
2.0			2.0	<p>1.75 m: EOH - Refusal of auger on gravel</p>	
2.5			2.5		
3.0			3.0		

BGC05-2469BERT-AH01

<b>SITE OBSERVATION FORM:</b>	<b>DNV Landslide Risk Assessment</b>
<b>LOCATION:</b>	<b>2465 Berton Place</b>
<b>INSPECTION DATE:</b> (mm/dd/yy)	<b>11/08/05</b>
<b>WEATHER:</b>	<b>Raining</b>



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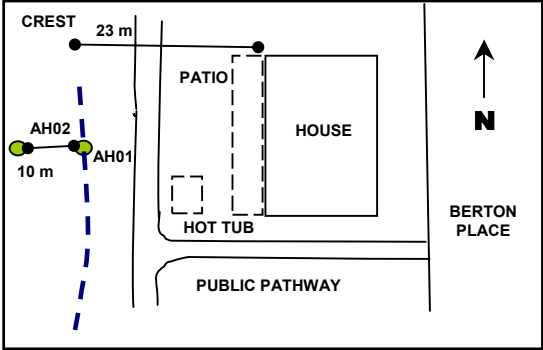
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
AT SLOPE CREST	<input checked="" type="checkbox"/>			
10 m DOWNSLOPE FROM SLOPE CREST	<input checked="" type="checkbox"/>			

<b>SLOPE BELOW CREST/ RETAINING STRUCTURE</b>	<b>SLOPE = 30°</b>		
	<b>CRACKS</b>	<b>SLIDES</b>	<b>EROSION</b>
<b>OBSERVATIONS:</b> None observed.			

<b>TREES BELOW CREST/ RETAINING STRUCTURE</b>	<b>STRAIGHT</b>	<b>PISTOL-BUTT</b>	<b>LEANING</b>
<b>PERCENT CONIFER:</b>	100%		<input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b>			

<b>RETAINING STRUCTURES</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>	<b>HEIGHT= n/a</b>
<b>TYPE</b>	<b>BLOCKS</b>	<b>CONCRETE</b>	<b>TIMBER CRIB</b>
<b>DEFORMATION</b>	<b>UNDEFORMED</b>	<b>CRACKED</b>	<b>SETTLED</b>
<b>OBSERVATIONS:</b>			

<b>DEFORMATION IN BACKYARD</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>
<b>LOCATION:</b>		
<b>DESCRIPTION:</b> None observed.		



<b>POOLS</b>	<b>YES</b> <input checked="" type="checkbox"/>	<b>NO</b>
<b>DESCRIPTION:</b> Hot tub in south west side of property.		

<b>SEEPAGE/ SPRINGS IN OR BELOW FILL</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> None observed.		

**HOUSE DISTANCE TO CREST = 23 m**

<b>RECEIVES SURFACE RUNOFF FROM</b>	<b>BACKYARD</b> <input checked="" type="checkbox"/>	<b>½ ROOF</b>	<b>FULL ROOF</b>	<b>FRONT YARD</b>	<b>STREET</b>
<b>OBSERVATIONS:</b> Probably runoff only from public pathway.					

<b>CONNECTED TO STORM SEWER</b>	<b>YES</b>	<b>NO</b>	<b>UNSURE</b> <input checked="" type="checkbox"/>
<b>OWNERS COMMENTS:</b>			

**GENERAL OBSERVATIONS**

- Public path behind and to the south of property.
- Garden hose connected to hot tub is currently directed toward pathway.



Figure 1. 2465 Berton Place – Front of the house



Figure 1. 2465 Berton Place – View of path on west side of house looking north

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

**Location** : 2465 Berton  
**Drill Method** : Dutch Hand Auger  
**Inspection Date** : 08 Nov 05  
**Logged by** : SF/JB  
**Reviewed by** : MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p><b>AUGERHOLE:</b> BGC05-2465BERT-AH01 on Slope Crest  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.50 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 0.90 m</p>			<p><b>AUGERHOLE:</b> BGC05-2465BERT-AH02 12 m Downslope  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.10 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 0.95 m</p>	
0.0	<p>ORGANICS Humic and fibric</p>		0.0	<p>ORGANICS Fibric material, some humus, dry, homogeneous, twigs, leaves</p>	
	<p>SAND (SW) Fine to coarse sand, some silt, trace fine to medium gravel, gravel sized silt clasts, loose, max particle size = 15 mm, red to brown, moist, homogeneous, rootlets</p>			<p>SAND (SW) Fine to coarse sand, some fine to medium gravel, trace silt, loose, max particle size = 20 mm, light brown, moist, homogeneous</p>	
	<p>[FILL] SILT (ML) Trace fine sand, fine to medium gravel sized silt clasts, soft to firm, non plastic, light grey brown, moist, homogeneous</p>		0.5	<p>[COLLUVIUM]</p>	
0.5	<p>Trace fine sand, fine to medium gravel sized silt clasts, soft to firm, non plastic, light grey brown, moist, homogeneous</p>				
1.0	<p>0.90 m: Material becomes denser, appears to be in-situ (non reworked). A decrease in amount of silt clasts is noted.</p>		1.0	<p>0.95 m: Material density becomes 'loose to compact'</p>	
1.5	<p>1.50 m: EOH - Refusal of auger on root</p>		1.5	<p>1.10 m: EOH - Refusal of auger on root or gravel</p>	
2.0			2.0		
2.5			2.5		
3.0			3.0		



<b>SITE OBSERVATION FORM:</b>	<b>DNV Landslide Risk Assessment</b>
<b>LOCATION:</b>	<b>2461 Berton Place</b>
<b>INSPECTION DATE:</b> (mm/dd/yy)	<b>11/08/05</b>
<b>WEATHER:</b>	<b>Raining</b>



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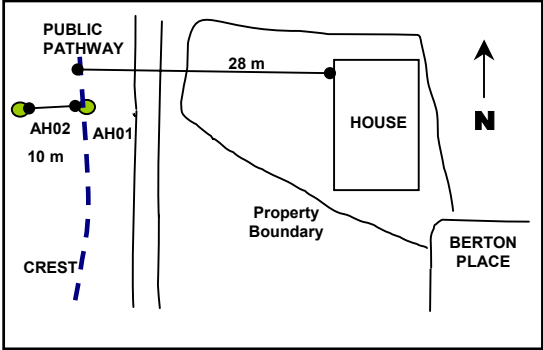
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
AT SLOPE CREST	<input checked="" type="checkbox"/>			
10 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

<b>SLOPE BELOW CREST/ RETAINING STRUCTURE</b>	<b>SLOPE = 30°</b>		
	<b>CRACKS</b>	<b>SLIDES</b>	<b>EROSION</b>
			<input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> Some surficial erosion observed.			

<b>TREES BELOW CREST/ RETAINING STRUCTURE</b>	<b>STRAIGHT</b>	<b>PISTOL-BUTT</b>	<b>LEANING</b>
<b>PERCENT CONIFER:</b> 90%	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> Mostly straight, some leaning.			

<b>RETAINING STRUCTURES</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>	<b>HEIGHT= n/a</b>
<b>TYPE</b>	<b>BLOCKS</b>	<b>CONCRETE</b>	<b>TIMBER CRIB</b>
<b>DEFORMATION</b>	<b>UNDEFORMED</b>	<b>CRACKED</b>	<b>SETTLED</b>
<b>OBSERVATIONS:</b>			

<b>DEFORMATION IN BACKYARD</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>
<b>LOCATION:</b>		
<b>DESCRIPTION:</b> None observed.		



<b>POOLS</b>	<b>YES</b> <input checked="" type="checkbox"/>	<b>NO</b>
<b>DESCRIPTION:</b> Hot tub in south west side of property.		

<b>SEEPAGE/ SPRINGS IN OR BELOW FILL</b>	<b>YES</b>	<b>NO</b> <input checked="" type="checkbox"/>
<b>OBSERVATIONS:</b> None observed		

**HOUSE DISTANCE TO CREST = 28 m**

<b>RECEIVES SURFACE RUNOFF FROM</b>	<b>BACKYARD</b> <input checked="" type="checkbox"/>	<b>½ ROOF</b>	<b>FULL ROOF</b>	<b>FRONT YARD</b>	<b>STREET</b>
<b>OBSERVATIONS:</b> Probably runoff only from public pathway					

<b>CONNECTED TO STORM SEWER</b>	<b>YES</b>	<b>NO</b>	<b>UNSURE</b> <input checked="" type="checkbox"/>
<b>OWNERS COMMENTS:</b>			

<b>GENERAL OBSERVATIONS</b>
<ul style="list-style-type: none"> <li>Public path behind property</li> </ul>



Figure 1. 2461 Berton Place – Front of the house



Figure 2. 2461 Berton Place – View looking SE from crest to house

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

**Location** : 2461 Berton  
**Drill Method** : Dutch Hand Auger  
**Inspection Date** : 08 Nov 05  
**Logged by** : MB/ES  
**Reviewed by** : MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p><b>AUGERHOLE:</b> BGC05-2461BERT-AH01 on Slope Crest  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.10 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 0.50 m</p>			<p><b>AUGERHOLE:</b> BGC05-2461BERT-AH02 10 m Downslope  <b>FINAL DEPTH OF AUGERHOLE:</b> 1.70 m  <b>THICKNESS OF LOOSE MATERIALS:</b> 1.40 m</p>	
0.0	SAND (SP) Medium to coarse sand, trace silt, poorly graded, loose, max particle size = 1 mm, grey to light brown, moist, homogeneous, no cementation [FILL]		0.0	SAND (SM) Fine to medium sand, silty, poorly graded, loose, max particle size = < 1 mm, dark brown, moist, homogeneous, no cementation [TOPSOIL]	
0.5	SAND (SM) Fine to medium sand, silty, fine gravel sized silt clasts, poorly graded, loose, max particle size = < 1 mm, brown, moist, homogeneous, no cementation [FILL]		0.5	SAND (SP) Fine to medium sand, some silt, trace medium to coarse gravel, gravel sized silt clasts, poorly graded, loose, max particle size = 30 mm, brown, moist, homogeneous, no cementation [FILL]	
1.0	SAND (SM) Fine to medium sand, silty, trace fine to coarse gravel, fine to coarse gravel sized silt clasts, poorly graded sand, compact, max particle size = 20 mm, sub-rounded, brown, moist, homogeneous, no cementation [COLLUVIUM]		1.0	SAND (SP) Fine to medium sand, some silt, trace medium to coarse gravel, poorly graded, loose, max particle size = 30 mm, light brown to grey with orange mottling, moist, homogeneous, no cementation [COLLUVIUM]	
1.10	1.10 m: EOH - Refusal as material is too stiff to auger through. No water table encountered.		1.5	SAND (SP) Fine to medium sand, some silt, gravel sized silt clasts, poorly graded sand, compact, max particle size = <1 mm, grey to brown with orange mottling, moist to wet, homogeneous, no cementation [Weathered GLACIOMARINE]	
1.5			1.70	1.70 m: EOH - Refusal as material is too stiff to auger through. Some visible free water at end of hole.	▼
2.0			2.0		
2.5			2.5		
3.0			3.0		