



GEOLOGICAL HAZARDS ASSESSMENT- NEW LOT 126

Date: May 7, 2009

Assessor(s): Neil Gortler, M.Sc., G.I.T. – Geomorphologist

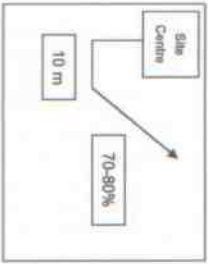
Thomas Labelle, B.Sc. – Environmental Scientist

General Comments: Site located in a small gully at the base of a steep slope with evidence of rockfall. Mitigative measures may be required.

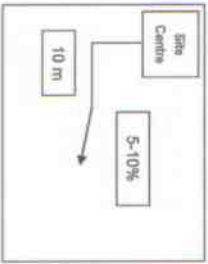
Hazard Type(s): Rockfall potential Low

SLOPES

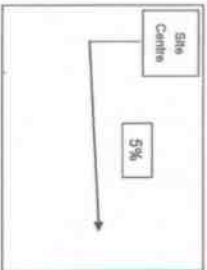
North



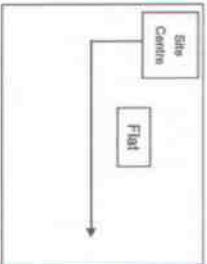
South



East



West



PHOTOS

North



South



East



West



\\fs01\0081\14315\006_gortler assess slope report north.bowen_island\05-27-09 report final (revised) - assessment final\img\plate_126.doc



GEOLOGICAL HAZARDS ASSESSMENT: LOT 127

Date: April 2, 2009

Assessor(s): Rob Buchanan, M.A., P.Geo. - Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

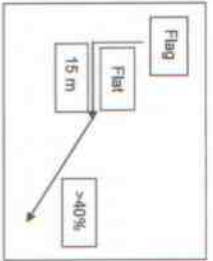
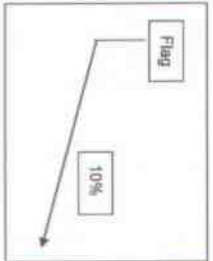
General Comments: Located between 2 bedrock ridges. Large boulders have fallen from west ridge, but not in area of building site.

Hazard Type(s): Rockfall to west of building site, but not serious enough to endanger potential home on site.

SLOPES

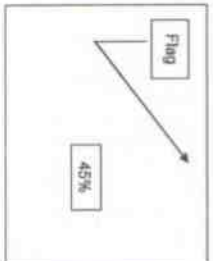
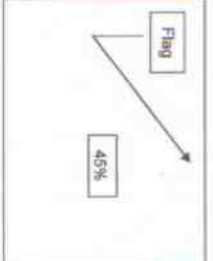
North

South



East

West



PHOTOS

North

South



East

West



N:\land\2009\120709-1429-0006_gaebler assess site.rpt.csh; Bowen Island\2709 report final draft\gaebler 1 - assessment final\img\photo 127.docx



GEOLOGICAL HAZARDS ASSESSMENT: NEW LOT 128

Date: May 7, 2009

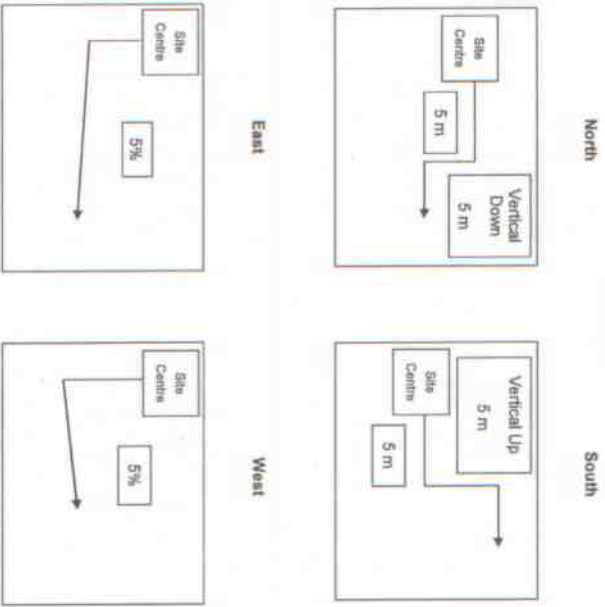
Assessor(s): Neil Goeller, M.Sc., G.I.T. – Geomorphologist

Thomas Labelle, B.Sc. – Environmental Scientist

General Comment: Site is located on a narrow bedrock ledge adjacent to a bedrock ridge with steep slopes on all sides.

Hazard Type(s): No hazards observed

SLOPES



PHOTOS



North



South



East



West

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GEOLOGICAL HAZARDS ASSESSMENT: LOT 130

Date: April 2, 2009

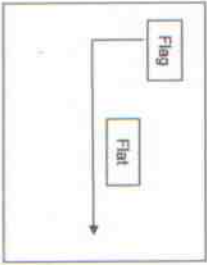
Assessor(s): Rob Buchanan, M.A., P.Geo. – Senior Geoscientist
Neil Goeltzer, M.Sc., G.I.T. – Geomorphologist

General Comments: This is a flat area with bedrock slopes surrounding the building site location.

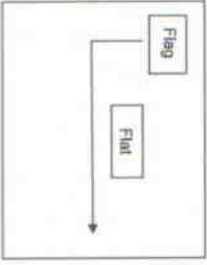
Hazard Type(s): No observable hazards

SLOPES

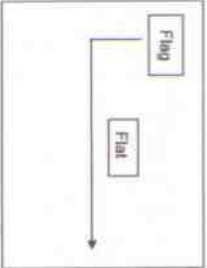
North



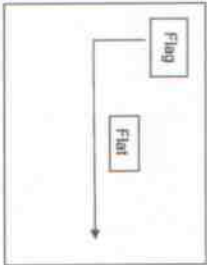
South



East



West



Number 200911420208 1420208\1420208\1420208_01.dwg

April 15, 2008
Project No. 08-1435-0006

PHOTOS

North



South



East



West





GEOLOGICAL HAZARDS ASSESSMENT: LOT 131

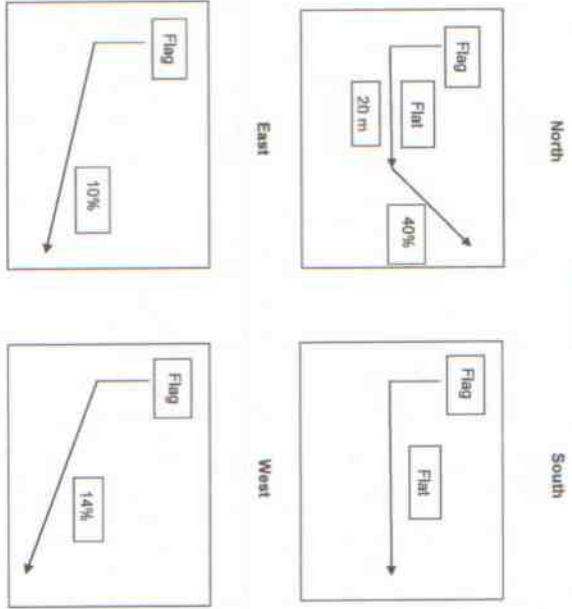
Date: April 2, 2009

Assessor(s): Rob Buchanan, M.A., P. Geo. - Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

General Comments: In swale below bedrock ridge. High slope (>20 m high) to north. No recent rockfall observed.

Hazard Type(s): No observable hazards within proposed building site. Potential rockfall from slope to north (20 m to slope base).

SLOPES



PHOTOS

North



South



East



West



n:\haz2008\143708-1438-0000 geotech assess report north.bowen\shdw07-27-08 report final and\figs\figs_1 - assessment sheet\topographic 131.dwg



GEOLOGICAL HAZARDS ASSESSMENT: LOT 132

Date: April 2, 2009

Assessor(s): Rob Buchanan, M.A., P.Geo. - Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

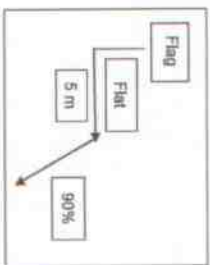
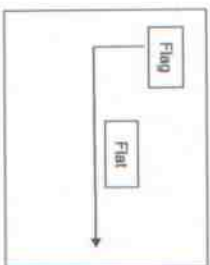
General Comments: Top of bedrock ridge with a steep (near vertical) slope to the south and steep slope to the west.

Hazard Type(s): Potential slope hazards (rockfall/rockslide) to south.
Build within proposed building site area.

SLOPES

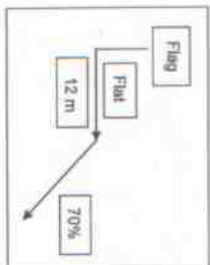
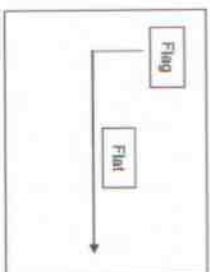
North

South



East

West



PHOTOS

North



South



East



West



n:\bowl\2009\1405-0006_gisdata\assess\map\report\map\img\img1\img1_1_assessment\map\img1\img1_132.dwg

April 15, 2009
Project No. 09-1405-0006



GEOLOGICAL HAZARDS ASSESSMENT: LOT 133

Date: April 2, 2009

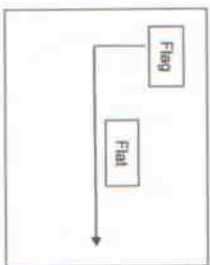
Assessor(s): Rob Buchanan, M.A., P.Geo. - Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

General Comments: Generally flat with some undulations. Veneer of soil over bedrock.

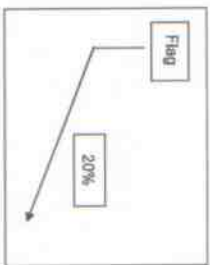
Hazard Type(s): No observable hazards

SLOPES

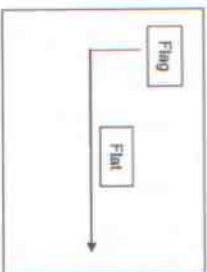
North



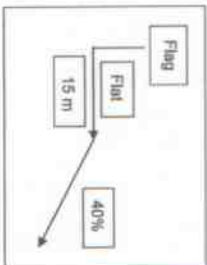
South



East



West



PHOTOS

North



South



East



West



A:\New\2009\1435\0006 - Cape Roger Curtis\1435-0006 - geologic hazard assessment report north island\slides\05-27-09 report final.dwg (page 1) - assessment sheet\topographic 133.docx

April 15, 2009
Project No. 06-1435-0006



GEOLOGICAL HAZARDS ASSESSMENT: LOT 134

Date: April 2, 2009

Assessor(s): Rob Buchanan, M.A., P.Geo. – Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. – Geomorphologist

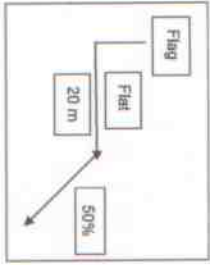
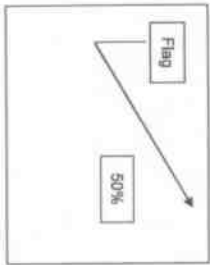
General Comments: Flat bedrock shelf which rises to the north.
Bedrock outcrop to south

Hazard Type(s): No observable hazards

SLOPES

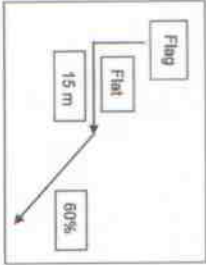
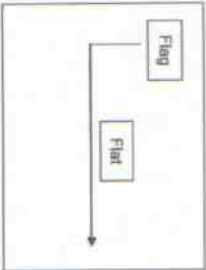
North

South



East

West



PHOTOS

North



South



East



West



n:\work\2009\1435\1435-0006_gnd\haz assess capa roger curtis bwnen\shdr\02-27-09_supt\flat\img\graphs\1 - assessment\shdr\shdr\shdr\134.docx

April 15, 2009
Project No. 08-1435-0006



GEOLOGICAL HAZARDS ASSESSMENT: LOT 136

Date: April 3, 2009

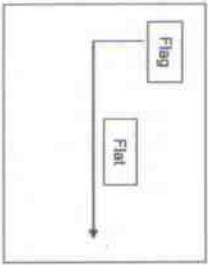
Assessor(s): Rob Buchanan, M.A., P.Geo. - Senior Geocientist
Neil Goeltzer, M.Sc., G.I.T. - Geomorphologist

General Comments: Located on a flat area on bedrock ridge (steep slope to north). Slopes to east and west.

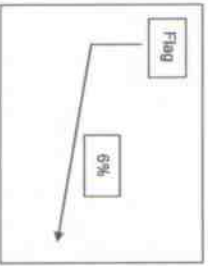
Hazard Type(s): No observable hazards

SLOPES

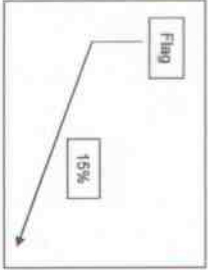
North



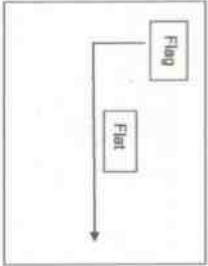
South



East



West



Project No. 00-1435-0006

April 15, 2009

PHOTOS

North



South



East



West





GEOLOGICAL HAZARDS ASSESSMENT: LOT 137

Date: April 3, 2009

Assessor(s): Rob Buchanan, M.A., P.Geo. - Senior Geoscientist
Neil Goeltzer, M.Sc., G.I.T. - Geomorphologist

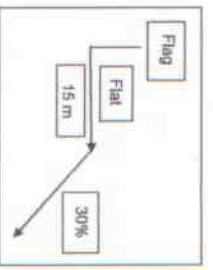
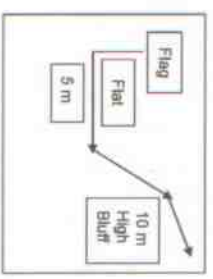
General Comments: Located on a bedrock ridge (steep slope to north).

Hazard Type(s): No observable hazards

SLOPES

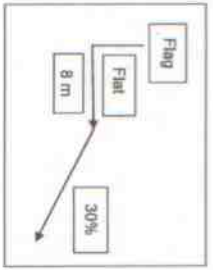
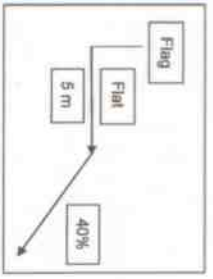
North

South



East

West



PHOTOS

North

South



East

West



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GEOLOGICAL HAZARDS ASSESSMENT: LOT 138

Date: April 3, 2009

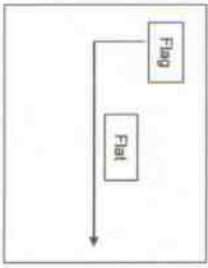
Assessor(s): Rob Buchanan, M.A., P. Geo. – Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. – Geomorphologist

General Comments: Building site is relatively flat with thin soil veneer over bedrock. Slopes down to south.

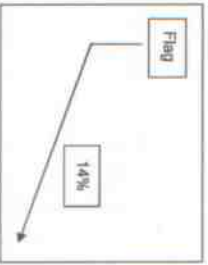
Hazard Type(s): No observable hazards

SLOPES

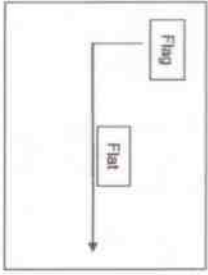
North



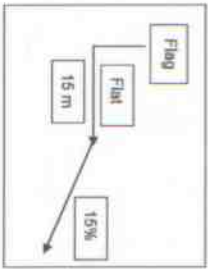
South



East



West



PHOTOS

North



South



East



West



4/3/09/2009/1420/1420-0008 geotech assess slope report south Bowen Island/27-09 report final (reapproved) 1 - assessment/4248/30/09/1420.doc



GEOLOGICAL HAZARDS ASSESSMENT: LOT 139

Date: April 3, 2009

Assessor(s): Rob Buchanan, M.A., P.Geo. - Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

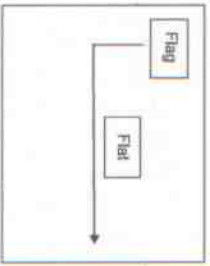
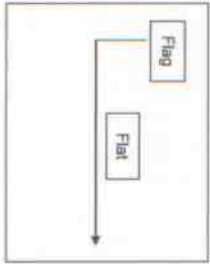
General Comments: Building site is relatively flat with thin soil veneer over bedrock.

Hazard Type(s): No observable hazards

SLOPES

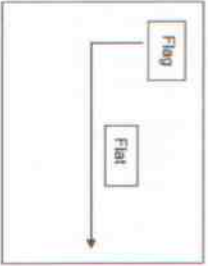
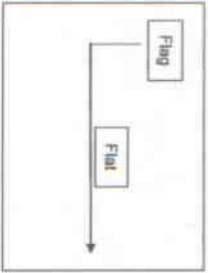
North

South



East

West



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April 15, 2009
Project No. 06-1435-0006

PHOTOS

North



South



East



West





GEOLOGICAL HAZARDS ASSESSMENT: LOT 140

Date: April 3, 2009

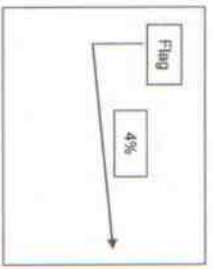
Assessor(s): Rob Buchanan, M.A., P.Geo. - Senior Geocientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

General Comments: Building site is relatively flat with thin soil veneer over bedrock.

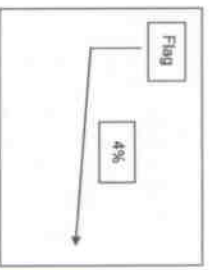
Hazard Type(s): No observable hazards

SLOPES

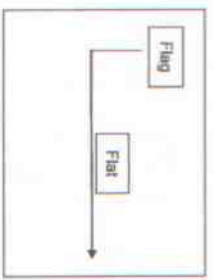
North



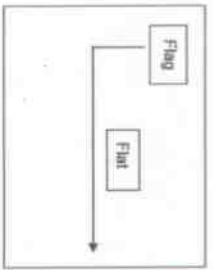
South



East



West



PHOTOS

North



South



East



West



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GEOLOGICAL HAZARDS ASSESSMENT: NEW LOT 141

Date: May 7, 2009

Assessor(s): Neil Goeller, M.Sc., G.I.T. - Geomorphologist;
Thomas Labelle, B.Sc. - Environmental Scientist

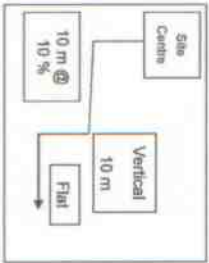
General Comments: Site located on bedrock knob with steep drop to the north, slope

Increases with distance to East, South and West.

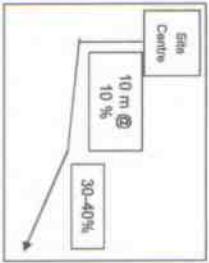
Hazard Type(s): No hazards observed

SLOPES

North



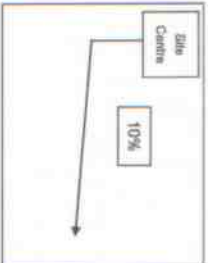
South



East



West



PHOTOS

North



South



East



West



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GEOLOGICAL HAZARDS ASSESSMENT: LOT 143

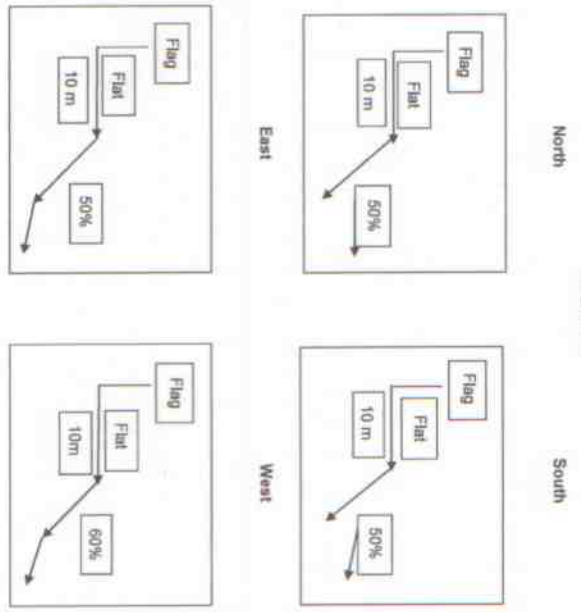
Date: April 3, 2008

Assessor(s): Rob Buchanan, M.A., P. Geo. - Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

General Comments: Bedrock outcrop on top of bedrock ridge. Steep slopes away from building site in all directions. Proposed building site okay

Hazard Type(s): No observable hazards

SLOPES



PHOTOS



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EEOLOGICAL HAZARDS ASSESSMENT: LOT 144

Date: April 3, 2009

Assessor(s): Rob Buchanan, M.A., P. Geo. - Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

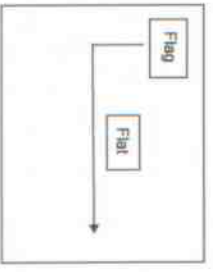
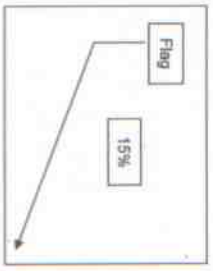
General Comments: Building site on bedrock ridge which slopes down in all directions. Thin veneer of soil over bedrock.

Hazard Type(s): No observable hazards

SLOPES

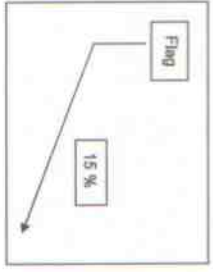
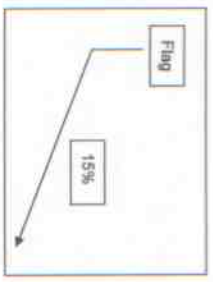
North

South



East

West



PHOTOS

North

South



East

West



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EEOLOGICAL HAZARDS ASSESSMENT: LOT 145

Date: April 3, 2009

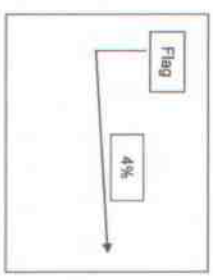
Assessor(s): Rob Buchanan, M.A., P.Geo. - Senior Geoscientist
Neil Goeller, M.Sc., G.I.T. - Geomorphologist

General Comments: Building site on bedrock ridge with near vertical bluff to southeast, south and southwest. Flat area to north and west.

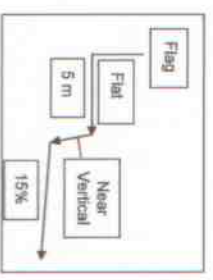
Hazard Type(s): No observable hazards

SLOPES

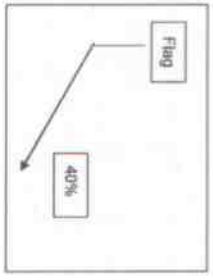
North



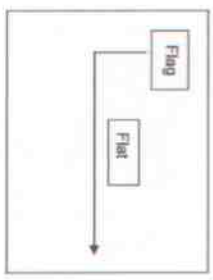
South



East



West



PHOTOS

North



South



East



West



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