

Geotechnical Rapid Assessment Form

This form is not to be used for insurance assessments or purposes other than that intended by the RBA process.
Fields with asterisks (*) are mandatory, others are optional.

ASSESSMENT

1 This is a Geotechnical Rapid Building Assessment carried out under the authority of:
 [Territorial Authority]*

2 Team ID*:
Team Leader name*:
Team Leader ID*: RBA ID number*:

PROPERTY OR BUILDING IDENTIFICATION

3 Assessment date*: Assessment time*: AM PM
(to nearest half hour)

4 Property or building Identification/name
Number*: Unit*:
Street*:
City/Town*:
GPS (Degree with 5 decimals after comma) South , East ,
Other ID or entry location: Photo taken: No Yes

5 Contact name
Usual occupant present Yes No
Type: Owner Tenant Other
Phone: *(with area code)*

6 Existing placard*: None W Y1 R1
 Y2 R2
Date: Team ID: *(if provided)*

W – White
Y1 – Parts of building
Y2 – Short term entry
R1 – Building structure
R2 – External hazard

SITE DESCRIPTION

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Structures Present

Commercial building

Residential dwelling

Accessory buildings (garage,shed)

Retaining wall

< 1.5m

> 1.5m

Other

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Topographic Setting

Flat ground

Flat ground, adjacent to slope:

Slope above/ below buildings

Slope height (m)

Distance to slope (m)

Sloping ground:

Gentle < 10 degrees

Moderate 10 to 20 degrees

Steep >20 degrees

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Other relevant features (eg. river, stream, gully)

Describe, including distance to structures

HAZARD IDENTIFICATION (Factual Information)

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Hazards Observed			
<input type="checkbox"/> Landslide <input type="checkbox"/> Boulder roll <input type="checkbox"/> Cliff collapse	<input type="checkbox"/> Debris flow <input type="checkbox"/> Lateral spreading <input type="checkbox"/> Debris avalanche	<input type="checkbox"/> Ground cracking <input type="checkbox"/> Slope creep <input type="checkbox"/> Other <input style="width: 150px;" type="text"/>	Sketch included <input type="checkbox"/> Yes <input type="checkbox"/> No

More information about hazards observed (include slope heights, instability volumes, block sizes, crack lengths, distance to buildings, location of hazard in relation to buildings etc.)

<input type="checkbox"/> Has hazard affected structure(s)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, list structure (s) <input type="text"/>
<input type="checkbox"/> Has hazard affected access?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Has hazard affected utilities?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, list structure (s) <input type="text"/>
<input type="checkbox"/> Has hazard affected multiple properties?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, list structure (s) <input type="text"/>

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Survey Extent of Hazard*

Is the geo-hazard confined to this property?

A Yes

B No (if no, describe below or on sketch pad and attach)

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Assessment of Life Safety Risk

List of hazards observed	Potential to Affect Structure				Assessed Life Safety Risk			Structure(s) affected
	Unlikely	Possible	Likely	Impacted	Low	Moderate	High	
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>

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Is life safety risk mitigated by natural or man-made protection? *(if Yes, describe)*

Yes No

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Is there likely to be further failure or land instability? Yes No

If yes, estimated time frame of failure Hours Days Weeks Months

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Are there any health hazards that may be present? (if Yes, describe)

Yes No

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Recommended further actions

Recommended Further Assessment*	Safety Cordon*	Barricades*	Urgency of suggested action*
A <input type="checkbox"/> None B <input type="checkbox"/> Level 2 Rapid Assessment <i>(tick below if particular expertise is required)</i> B1 <input type="checkbox"/> Structural Engineer B2 <input type="checkbox"/> Geotechnical Engineer B3 <input type="checkbox"/> Geotechnical Area Wide Assessment B4 <input type="checkbox"/> Other C1 <input type="checkbox"/> Structural Engineering Assessment D <input type="checkbox"/> Further evaluation to be arranged by building owner:	A <input type="checkbox"/> None required B <input type="checkbox"/> Cordon required Describe extent (add diagram on separate sheet if required) <div style="border: 1px solid black; height: 80px; width: 100%;"></div>	A <input type="checkbox"/> None required B <input type="checkbox"/> Barricades already in place C <input type="checkbox"/> Barricades required Describe extent (add diagram on separate sheet if required) <div style="border: 1px solid black; height: 80px; width: 100%;"></div>	A <input type="checkbox"/> Standard B <input type="checkbox"/> Immediate action required
Immediate Actions <div style="border: 1px solid black; height: 20px; width: 100%;"></div>			

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Assessment Outcome*

Observed Damage	Rapid Assessment Outcome
Low risk	W <input type="checkbox"/> CAN BE USED
Moderate risk	Y1 <input type="checkbox"/> RESTRICTED ACCESS TO PART(S) OF THE PROPERTY ONLY
	Y2 <input type="checkbox"/> RESTRICTED ACCESS – SHORT TERM ENTRY ONLY Access to be supervised A <input type="checkbox"/> Yes B <input type="checkbox"/> No
High risk	R1 <input type="checkbox"/> ENTRY PROHIBITED (Severe damage to building)
	R2 <input type="checkbox"/> ENTRY PROHIBITED (At risk from external factors)

Team Leader Signature*

Show building damage, access restrictions or cordoning areas. Identify the building on the sketch and staple the sheet to this assessment form and add any notes if required. Include cross section(s) if helpful. If required add a sketch on a separate sheet of paper showing building damage, access restrictions or cordoning areas. Identify the building on the sketch and staple the sheet to this assessment form.

Sketch included on separate page? Yes No Sketch Unique ID:

Photos taken? Yes No

END OF INSPECTION DATA ENTRY - EMERGENCY OPERATIONS CENTRE USE ONLY

Date data entered Yes No

Completed by

RAPID BUILDING ASSESSMENT – GEOTECHNICAL SKETCH SHEET

(Separate sketch pad that can be used for both Geotech and Building assessments)