

Appendix 3C. Explanation of sampling form

Field	Type	Description	Example
GSWA No	Numeric	A unique number for samples held in the GSWA collection.	218156
Site No	Text	Unique site identifier for collection of regolith sample.	M1020
Easting	Numeric	GDA east coordinate for sample site	607276
Northing	Numeric	GDA north coordinate for sample site	8167093
Sampler	Text	Initials of the geologist who made the site observations.	AS (Andreas Scheib)
Date	Text	Date on which the sample was collected	
Time	Numeric	Time at which the sample was taken (24 hour format).	
REGOLITH-LANDFORM	Text	Primary regolith-landform code (GSWA regolith classification scheme), the regolith within a 50 m radius of the sample site.	
REGOLITH-COLOUR	Numeric (text)	Colour of the regolith within a 50 m radius of the site. Predominant colour designated 1, with subordinate or modifying colours designated 2, 3, 4 etc. 'Colour-other' category allows text entry of other colours.	Brownish-red is designated red (1), brown (2), whereas reddish-brown is designated red (2) brown (1).
VEGETATION	Numeric (text)	Vegetation types shown in decreasing order of abundance from 1 (most abundant) to 4, 5 etc (least abundant). Broad groupings only shown. 'Eucalypt' used for all trees. Grass and shrub types undivided.	
SURFACE LAG	Numeric/text	Presence or absence of surface lag. Magnetic or non-magnetic. Size or size range of lag material. Sampled Yes/No.	
SURFACE REGOLITH	Numeric/text	Percentage values of components seen within a 50 m radius of the designated sample site. Clay is designated as Lithic-Silt/Clay unless otherwise shown. 'Other' allows text entry of unlisted components. Estimates probably accurate to within 10%. Trace amounts shown as 2%. If any Lithic component is listed for Nodules/granules then rock type(s) must be entered in LITHIC MATERIAL part of form.	
DOWNHOLE REGOLITH	Numeric/text	As for Surface regolith. Depth-cm is maximum of depth of sampling hole (which may be depth to bedrock). Estimates probably accurate to within 10%. Trace amounts shown as 2%. If any Lithic component is listed for Nodules/granules, then identification must be entered in LITHIC MATERIAL part of form.	

LITHIC MATERIAL	Numeric/text	Percentage of Lithic material identified in either surface or downhole. Facility also for entry of outcrop, and its distance and bearing from the sample site. 'Other' allows for entry of lithic type not listed. Estimates probably accurate to within 10%. Trace amounts shown as 2%. When Outcrop is at site, distance is entered as 0.
Secondary coating	Numeric/text	Coating observed on regolith material (e.g. iron staining, clay). 'Other' allows for entry of coatings not listed.
Units nearby	Numeric/text	Allows designation of any secondary units seen close to the site. Estimated distance can be entered in Comments. 'Other ' allows listing of units not listed.
Sample features	Text	Due to restrictions on carrying corrosive material in the helicopter, testing for carbonate in the field using HCl was not carried out. Dry and damp allow recording of the state of the sample.
Photo taken?	Numeric	Whether a series of two digital photographs (one of the sample site and bag, and one of the sample in the foreground with the bag for scale) have been taken.
Comments	Text	Information unique to the site
		Particular site characteristics (e.g. resistant layers in hole, such as carbonate, Fe nodules etc), distance to secondary features (e.g.channels), presence of animal droppings, unusually extensive consolidated colluvial layers, weather conditions.
