


SURVEY TITLE: _____

SITE LOCATION: _____

Profile No.	Same as Site	Paired with	Map Sheet No.	Eastings	Northings	Described By	Profile Date	Photo Taken	No. of Layers
0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 Jan Jul 0 0	profile 1	1
1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1	1 Feb Aug 1 1	site 2	2
2 2 2	2 2 2	2 2 2	2 2 2 2	2 2 2 2 2 2	2 2 2 2 2 2	2 2 2 2	2 Mar Sep 2 2	both profile & site 3	3
3 3 3	3 3 3	3 3 3	3 3 3 3	3 3 3 3 3 3	3 3 3 3 3 3	3 3 3 3	3 Apr Oct 3 3	Nature(s) of Exposure 4	4
4 4 4	4 4 4	4 4 4	4 4 4 4	4 4 4 4 4 4	4 4 4 4 4 4	4 4 4 4	4 May Nov 4 4	auger 1	5
5 5 5	5 5 5	5 5 5	5 5 5 5	5 5 5 5 5 5	5 5 5 5 5 5	5 5 5 5	5 Jun Dec 5 5	pit 2	1
6 6 6	6 6 6	6 6 6	6 6 6 6	6 6 6 6 6 6	6 6 6 6 6 6	6 6 6 6	6 6 6 6	batter 3	Card No.
7 7 7	7 7 7	7 7 7	7 7 7 7	7 7 7 7 7 7	7 7 7 7 7 7	7 7 7 7	7 7 7 7	gully 4	1
8 8 8	8 8 8	8 8 8	8 8 8 8	8 8 8 8 8 8	8 8 8 8 8 8	8 8 8 8	8 8 8 8	core sample 5	2
9 9 9	9 9 9	9 9 9	9 9 9 9	9 9 9 9 9 9	9 9 9 9 9 9	9 9 9 9	9 9 9 9	other 6	3

Location on 1:100 000 Map	Locational Accuracy	Map Type	 NSW SOIL AND LAND INFORMATION SYSTEM Western Regional Assessment Soil Data Card
	1:250,000 (3) 1:100,000 (4) 1:50,000 (5) 1:25,000 (6) GPS (14) Survey (15)	GDA () AMG ()	

Landform Pattern	Site Morphology	LITHOLOGY – Choose up to 3 for each					
		Solum P.M.	Substrate	Solum P.M.	Substrate	Solum P.M.	Substrate
alluvial fan (1)	flat (1)	not identified (1) (23)	limestone (23) (45)	coarse-basic (45)			
alluvial plain (2)	crest (2)	unconsolidated (2) (24)	tuff (24) (46)	fine-acidic (46)			
anastomotic plain (3)	hillock (3)	gravel (3) (25)	breccia (25) (47)	fine-intermediate (47)			
badlands (4)	ridge (4)	sand (4) (26)	greywacke (26) (48)	fine-basic (48)			
bar plain (5)	upper slope (5) (1)	silt (5) (27)	arkose (27) (49)	serpentine (49)			
beach ridge plain (6)	midslope (6) (2)	clay (6) (28)	dolomite (28) (50)	gabbro (50)			
caldera (7)	simple slope (7) (3)	organic material (7) (29)	calcrete (29) (51)	dolerite (51)			
chenier plain (8)	lower slope (8) (4)	alluvium (8) (30)	aeolianite (30) (52)	diorite (52)			
coral reef (9)	open depression (9) (5)	colluvium (9) (31)	chert (31) (53)	syenite (53)			
covered plain (10)	closed depression (10) (6)	lacustrine (10) (32)	jasper (32) (54)	granodiorite (54)			
delta (11)	Current Condition(s) (7)	aeolian (11) (33)	metamorphic (33) (55)	adamellite (55)			
dunefield (12)	Wet (8)	marine (12) (34)	gneiss (34) (56)	granite (56)			
escarpment (13)	Dry (9)	calcareous sand (13) (35)	schist/phylite (35) (57)	aplite (57)			
floodplain (14) (1)	gravelly (1) (10)	fill (14) (36)	slate (36) (58)	quartz porphyry (58)			
hills (15) (2)	cracked (2) (11)	mud (15) (37)	hornfels (37) (59)	basalt (59)			
karst (16) (3)	self-mulched (3) (12)	till (16) (38)	quartzite (38) (60)	andesite (60)			
lava plain (17) (4)	loose (4) (13)	sedimentary (17) (39)	greenstone (39) (61)	trachyte (61)			
low hills (18) (5)	soft (5) (14)	shale (18) (40)	amphibolite (40) (62)	rhyolite (62)			
made land (19) (6)	firm (6) (15)	siltstone/mudstone (19) (41)	marble (41) (63)	obsidian (63)			
meander plain (20) (7)	hardset (7) (16)	sandstone-quartz (20) (42)	igneous (42) (64)	scoria (64)			
meteor crater (21) (8)	surface crust (8) (17)	sandstone-lithic (21) (43)	coarse-acidic (43) (65)	ash (65)			
mountains (22) (9)	trampled (9) (18)	conglomerate (22) (44)	coarse-intermediate (44) (66)	agglomerate (66)			
pediment (23) (10)	poached (10) (19)	microrelief (23) (45)		other (67)			
pediplain (24) (11)	recently cultivated (11) (20)	none (23) (46)					
penplain (25) (12)	water repellent (12) (21)						
plain (26) (13)	other disturbance (13) (22)						
plateau (27) (14)	Site Disturbance(s) (14)						
playa plain (28) (15)	natural disturbance (15) (23)						
rises (29) (16)	no effect, disturbance (16) (24)						
sand plain (30) (17)	limited clearing (17) (25)	normal gilgai (2) (2)					
sheet-flood fan (31) (18)	wastive clearing (18) (26)	crabhole gilgai (3) (3)					
stagnant (32) (19)	cleared, no cultivation (19) (27)	lattice gilgai (5) (5)					
alluvial plain (33) (20)	occasional cultivation (20) (28)	melonhole gilgai (6) (6)					
terrace (34) (21)	rained cultivation (21) (29)	biotic (7) (7)					
tidal flat (35) (22)	irrigated cultivation (22) (30)	terraces (8) (8)					
volcano (36) (23)	highly disturbed (23) (31)	other (9) (9)					

Example only
do not use to record data

LAND USE Choose only one for Site Up to three for General Area	SALINITY	HYDROLOGY		Erosion Severity									
	no salting evident (1)	Permeability	Run-on	1	2	3	4	5	6	7	8	9	10
Site General Area	salting evident (2)	very slowly permeable (1)	none (1)	none	not evident								
1 national/state parks	strongly evident (3)	slowly permeable (2)	low (2)	evident	minor								
2 timber/scrub/unused	EROSION HAZARD	moderately permeable (3)	moderate (3)	moderate	moderate								
3 logged native forest	slight (1)	highly permeable (4)	high (4)	severe	severe								
4 hardwood plantation	moderate (2)	Profile Drainage	very high (5)	very severe	very severe								
5 softwood plantation	high (3)	very poorly drained (1)	high (4)										
6 volun./native pasture	very high (4)	poorly drained (2)	high (4)										
7 improved pasture	extreme (5)	imperfectly drained (3)	very high (5)										
8 cropping	DATA TO BECOME PUBLIC	mod. well drained (4)	high (4)										
9 orchard/vineyard	AFTER Checking ()	well drained (5)	high (4)										
10 vegetables/flowers	1 year ()	rapidly drained (6)	very high (5)										
11 urban	3 years ()	Presence of Free Water											
12 industrial	On notification ()	none (1)											
13 quarry/mining	Never ()	above soil surface (2)											
14 other		below soil surface (3)											

TYPE OF PROFILE ASSESSMENT – 1 only	Present Condition									
random (1)	stable	1	1	1	1	1	1	1	1	1
bulked (2)	partly stabilised	2	2	2	2	2	2	2	2	2
map checking (3)	active	3	3	3	3	3	3	3	3	3
opportunistic (4)	Gully Depth									
curiosity/unusual soil (5)	<1.5 m					1				
boundary checking (6)	1.5-3.0 m					2				
preplanned (7)	>3.0 m					3				
transect/catena (8)										
grid (9)										
Type Profile (1)										

Please do not mark this space.
