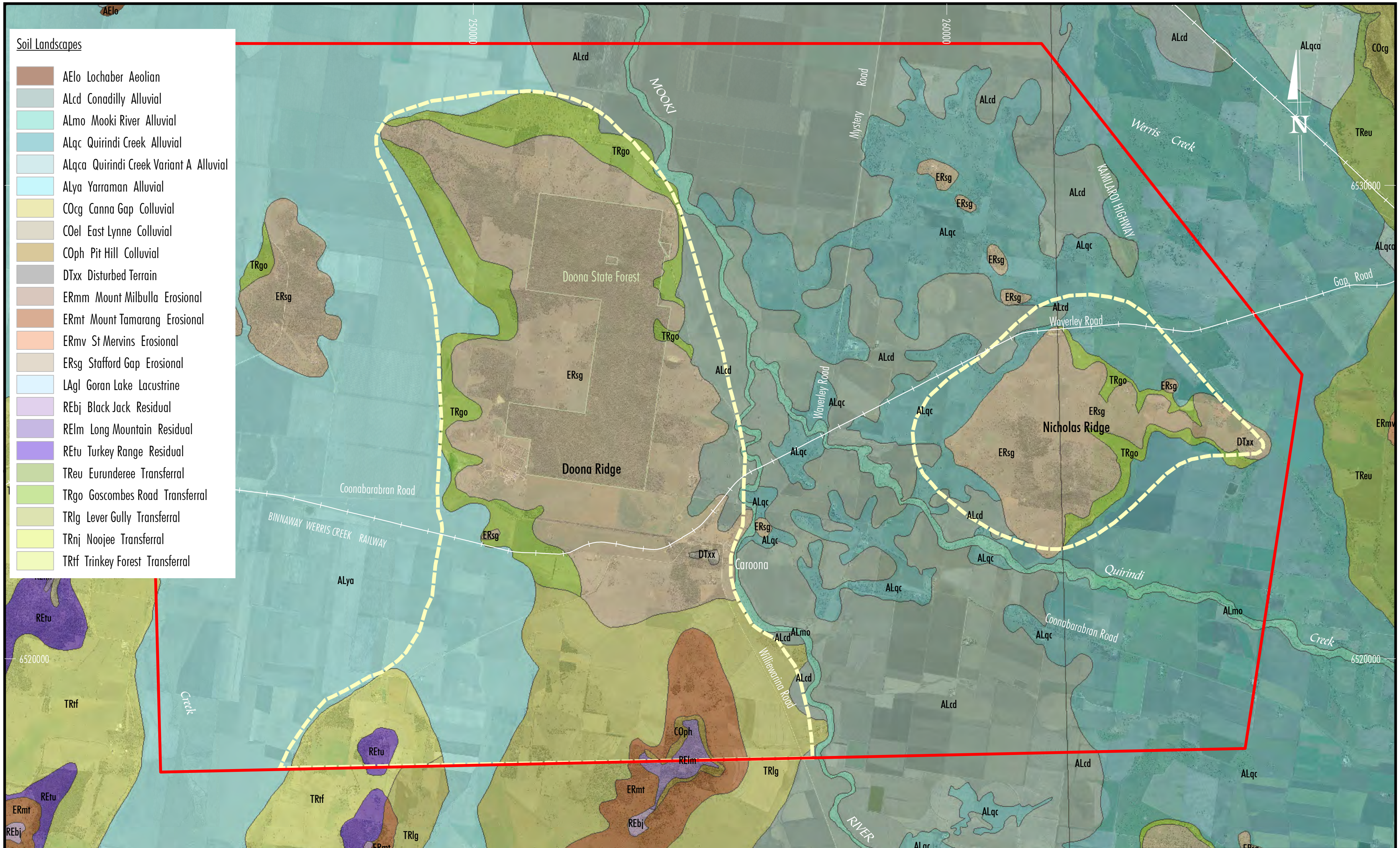
APPENDICES 1 TO 10



0 1 2 3 4
Kilometres
GDA 94 MGA Zone 56

Source: Land and Property Management Authority - Topograpraphic Base 2010, Orthophoto (Curlewis 2011 & Tamworth 2010) and Office of Environment and Heritage (OEH), 2013

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Project Assessment Area

CAROONA COAL PROJECT

APPENDIX 1

Soil Landscapes of the Curlewis and Tamworth Sheets 1:100,000

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HVE-13-02_Gateway_ARA_Appendices_201D

Appendix 2. Description of Soil Landscape Units (Banks 1995)

Soil Landscape unit[1]		Soil Types present (Great Soil Group)	Likely constraints for agricultural production based on these descriptions
ALcd	Conadilly, *Alluvial*	Broad level flood plains and anastomotic plains of the Mooki River on Quaternary alluvium derived from the Tertiary basalts of the Liverpool Range Beds, and Gunnedah Basin. Soils include very deep Black Earths and Grey Clays.	High flood hazards across landscape along with seasonal waterlogging, water erosion, high watertables and salinity hazards. Possible limitations also include low wet bearing strength, high shrink-swell potential, high erodibility and low permeability.
ALmo	Mooki River, *Alluvial*	River banks, channel systems (current and abandoned) of the Mooki River. Soils derived from recent alluvium mainly from Tertiary basalts in the Liverpool Range Beds. Soils include predominantly Brown Clays and recent alluvial soils.	Stream bank erosion, salinity and extreme flood hazards. Other limitations include soils with low wet bearing strength, high shrink-swell potential, low permeability, seasonal and permanent waterlogging.
ALqc	Quirindi Creek, *Alluvial*	Level to gently undulating, very broad floodplain of mixed origin. Quaternary alluvium or Goran Lake sediments. Variable soils with very deep Red-brown Earths, hardsetting Red and Brown Clays and Chernozems.	High flood hazard, localised seasonal waterlogging, water erosion and localised dryland salinity hazard. Soils have low wet bearing strength, localised high shrink-swell hazard, high erodibility, localised hardsetting surfaces, low permeability and topsoils subject to structural decline. Saline aquifer recharge zone.
ALya	Yarraman, *Alluvial*	Level to gently inclined extensive drainage plains and floodplains on basaltic alluvium in the Goran Lake Catchment. Soils include very deep Grey Clays dominant with very deep Black Earths and Brown Clays also common.	Flood hazard, extensive high saline watertables and associated extreme dryland salinity hazard, seasonal waterlogging, water erosion hazard, low wet bearing strength, high shrink-swell potential, high erodibility, low permeability and localised impeded profile drainage and alkalinity. Sporadic localised presence of shallow travertine and associated marl pose extreme limitations for irrigation, and high gully erosion hazard when soil moisture profile is full above a travertine layer. Saline aquifer recharge zone.
COph	Pit Hill, *Colluvial*	Steep hummocky colluvial slopes on steep hills and mountains, mixed Tertiary basalt and Triassic/Permian sandstone and shale parent material. Extreme soil variation with no dominant type. Soils encountered include shallow to moderately deep Black Duplex, Chocolate soils, Prairie Soils with Lithosols occurring on shale lenses.	Steep slopes, mass movement hazard, rock fall hazard, water erosion hazard, high run-on, shallow soils, surface movement, rock outcrop, stoniness and sporadic shrink-swell hazard.
ERmt	Mount Tamarang, *Erosional*	Steep to precipitous hills and mountains on Tertiary basalts and tuffs on the Liverpool Range Beds. Soils include stony, shallow Euchrozems and Lithosols on crests, with shallow to deep Black Earths on benches, broad crests and lower sideslopes. Black Duplex soils commonly encountered on steep sideslopes.	Steep slopes, localised mass movement hazard, rock fall hazard, water erosion hazard, localised high shrink-swell hazard and stoniness. Saline aquifer recharge zone.
ERsg	Stafford Gap, *Erosional*	Undulating rises to rolling hills on Triassic lithic and quartzose sandstones and conglomerates of the Digby Beds in the Narrabeen Group of sandstones. Highly variable soils due to extreme variation in parent material. Soil types include shallow to moderately deep Red Earths and Earthy Sands and Yellow Podzolic Soils on crests and upper sideslopes, with shallow to moderately deep Red-brown earths, Yellow Podzolic soils and Yellow Solodic soils on lower sideslopes and along drainage lines.	Hazards include wind erosion, water erosion, shallow soils, rock outcrop, structural decline and localised dryland salinity. Soils have localised high erodibility, stoniness, hardsetting surfaces and are generally of low fertility. Saline aquifer recharge zone.

[1] See geomorphic descriptions on next page

Soil Landscape unit		Soil Types present (Great Soil Group)	Likely constraints for agricultural production based on these descriptions
RElm	Long Mountain, *Residual*	Undulating plateau surfaces on Triassic lithic and quartzose sandstones and conglomerates of the Digby Beds in the Narrabeen Group of sandstones. Highly variable soils depending on underlying lithology and include shallow Chocolate Soils, shallow Red-brown Earths, moderately deep Red Earths on flat crests and benches. Sideslopes and drainage lines are characterised by very shallow Lithosols and moderately deep Yellow Podzolic Soils	Limitations include lack of water for grazing or agriculture, shallow soils, localised rock outcrop, water erosion hazard, localised hardsetting surfaces, localised moderate to high shrink-swell hazard, localised low fertility, and impeded profile drainage as many profiles are underlain with impermeable ironstone rock.
REtu	Turkey Range, *Residual*	Undulating to rolling hills and ridges with broad crests and gently sloping upper footslopes on Jurassic quartz and lithic sandstones and mudstones and shales of the Pilliga Sandstones and Purlewaugh Beds. Soils include moderately deep Red Earths on lithic sandstone crests with Earthy Sands on quartz-rich sandstone crests and sideslopes with Red-brown Earths in drainage lines and Grey-brown Clays occurring on shale lenses.	Water and wind erosion hazard, shallow soils, non-cohesive soils, rock outcrop, localised stoniness, high erodibility, low fertility and low available water-holding capacity. Saline aquifer recharge zone.
TRgo	Goscombes Road, *Transferral*	Broad, very gently to gently inclined drainage plains and alluvial fans below footslopes or Permian and Triassic lithic and quartzose sandstone hills. Soils highly variable and dependent largely on lithology of catchment from which fan material has been derived. Predominantly deep Yellow Solodic Soils, Red-brown Earths, Earthy Sands and deep alluvial soils. These are often underlain by buried soils indicating a repetitive cycle of denudation in the surrounding catchments.	Localised flood hazard, high run on, episodic waterlogging, water erosion hazard and localised dryland salinity. Soil profile drainage is generally poor.
TRlg	Lever Gully, *Transferral*	Gently to moderatelt inclined, very long footslopes derived from Tertiary basalt, dolerite and tuff alluvium of the Liverpool Ranges. Soils are predominantly deep Black Earths with some shallow Brown Clays on upper footslopes and deep Euchrozems occurring on tuffs on middle to upper footslopes.	Water erosion hazard, sporadic shallow soils on upper footslopes, localised dryl;and salinity hazard, sporadic flood hazard and permanently high watertables (lower slope). High shrink-swell hazard, sporadic stoniness, moderately low permeability. Saline aquifer recharge zone.

Alluvial Landscapes

Formed by deposition along rivers and streams. Soil parent material is alluvium, landscapes includes floodplains and alluvial deposits. Typical landform elements include meander plains, levees, terraces and prior and current stream channels.

Transferral Landscapes

Deep deposits of mostly eroded parent materials washed from areas directly upslope. Stream channels are often discontinuous and slopes are generally concave. Transferral landscapes include footslopes, valley flats, fans, bajadas and piedmonts.

Colluvial Landscapes

Affected by mass movement. Soil parent material consists mostly of colluvial mass movement debris including scree and talus along with other landslide, mudflow and creep deposits. Colluvial soil landscapes usually include alcoves, cliffs, cliff-footslopes, scarps, some moderately inclined to precipitous hillslopes and areas of complete evidence of mass movement.

Erosional Landscapes

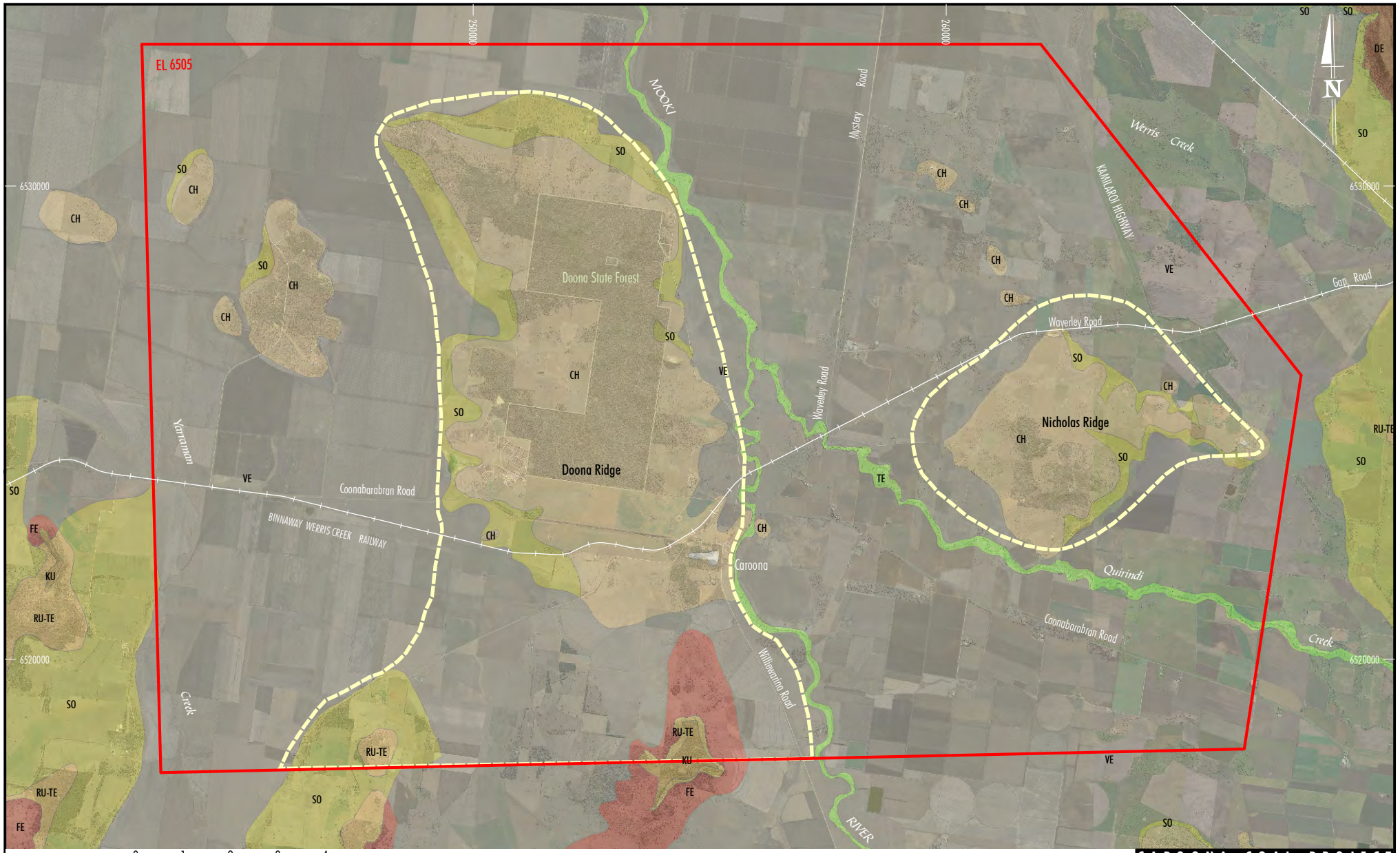
Sculpted primarily by the erosive action of running water. Steams are well defined and competent to transport their sediment load. Soil depth is usually shallow and a mode of origin is variable and complex. Soils may either be absent, derived from water washed parent materials or derived from *in situ* weathered bedrock. Erosional soil landscapes usually consist of steep to undulating hillslopes and may include tors, benches, and areas of rock outcrop. Evidence of mass movement is rare.

Residual Landscapes

Dominated by sites where deep soils have formed from *in situ* weathering of parent materials. Residual soil landscapes typically have level to undulating elevated topography. Landform elements include some summit surfaces, plateaux, terrace plains and old ground surfaces. Stream channels are usually poorly defined.

Please Note: In a later version of the Curlewis Soil Landscape mapping, presented as part of the 'Soil and Land Resources of the Liverpool Plains Catchment DVD', the ERsg unit on Doona Ridge was split to allow inclusion of the 'dov' unit described as follows:

dov	Doona, *Residual*	Undulating rises to low hills on Triassic lithic and quartz sandstones and conglomerates of Narrabeen and Digby formations Widespread complex soils.	Localised soil limitations (salinity hazard, poor drainage, poor moisture availability)



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APPENDIX 4

NSW Government Inherent Soil Fertility Map

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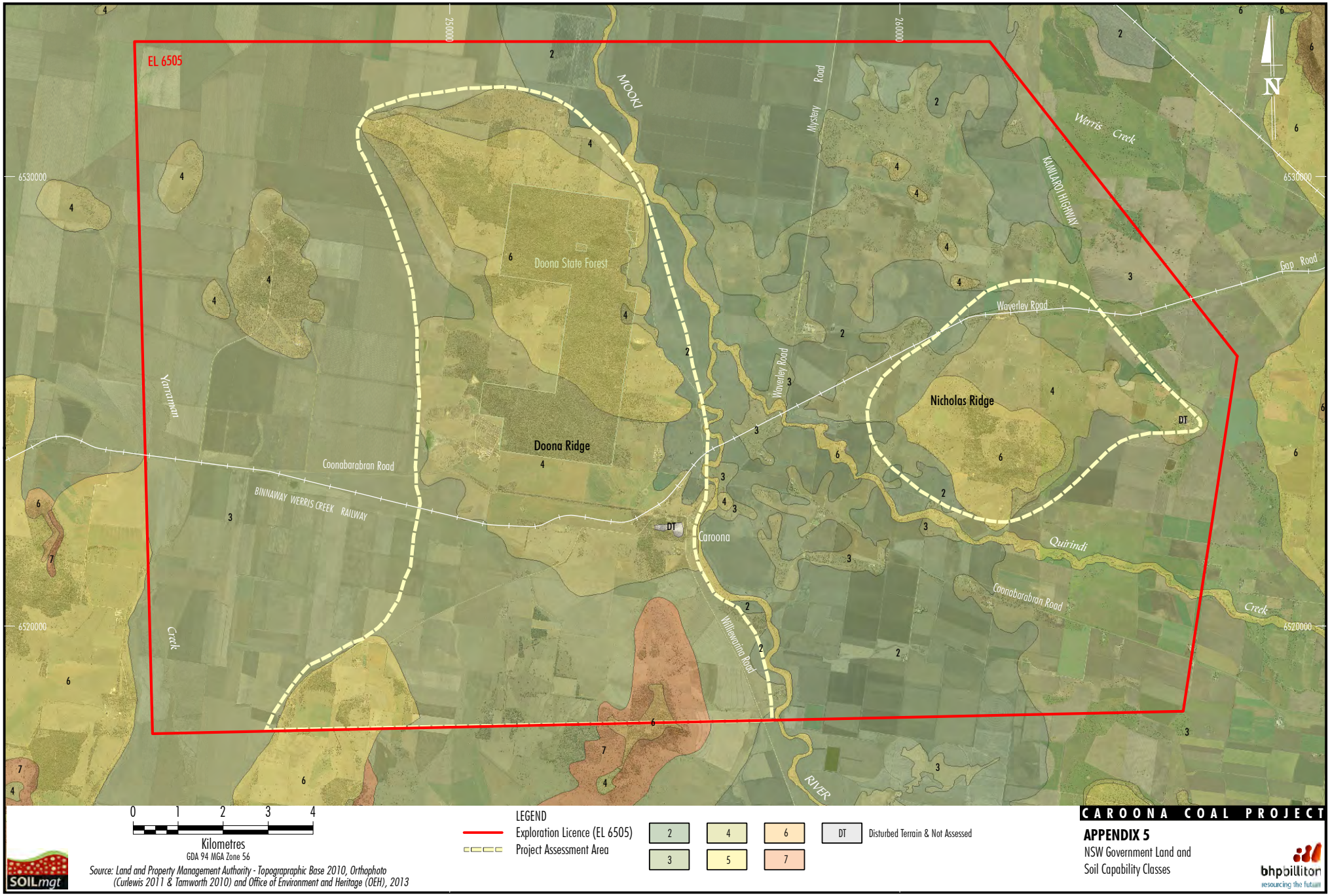
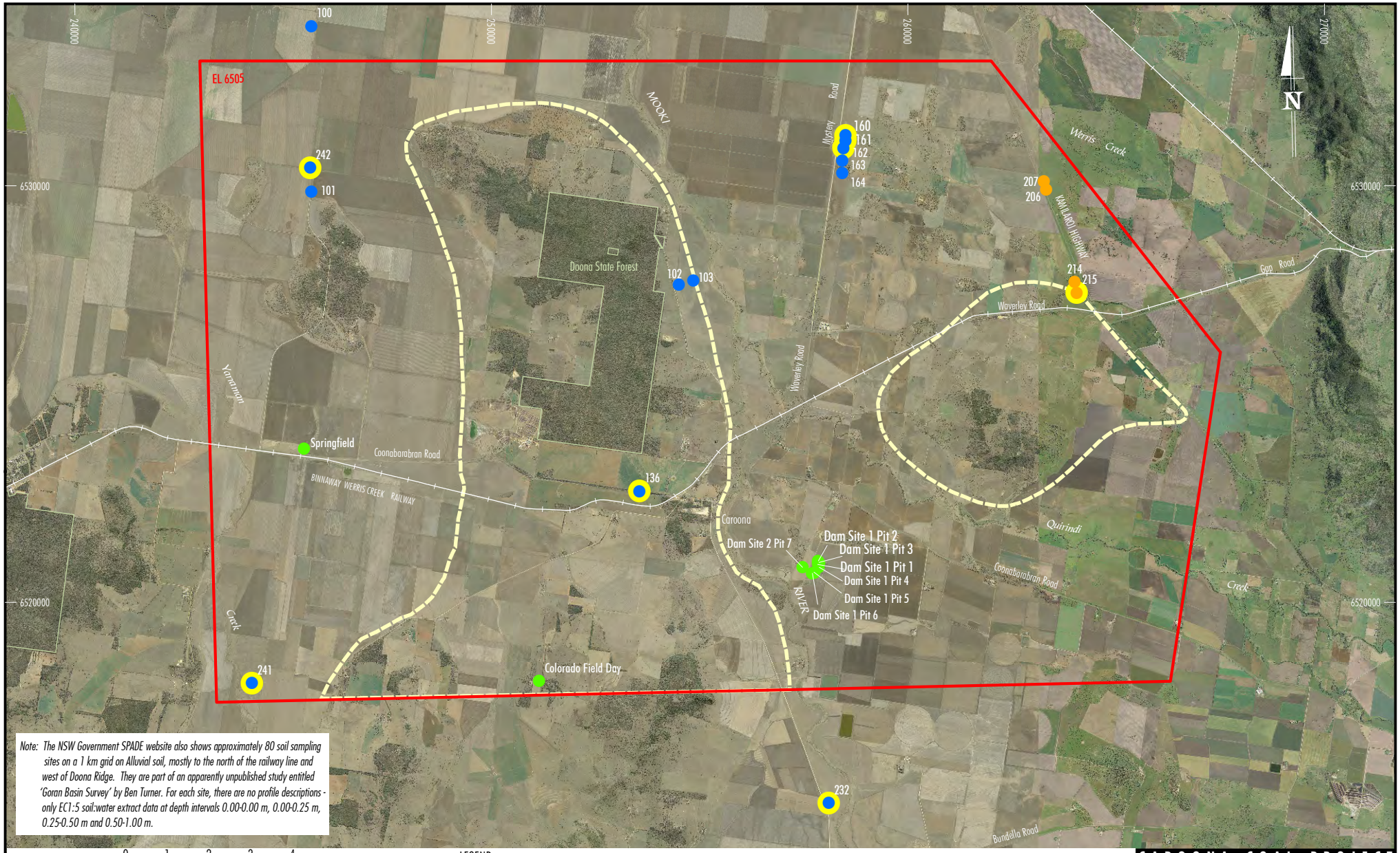


Source: Land and Property Management Authority - Topographic Base 2010, Orthophoto (Curlewis 2011 & Tamworth 2010) and Office of Environment and Heritage (OEH), 2013



Note: The NSW Government SPADE website also shows approximately 80 soil sampling sites on a 1 km grid on Alluvial soil, mostly to the north of the railway line and west of Doona Ridge. They are part of an apparently unpublished study entitled 'Goran Basin Survey' by Ben Turner. For each site, there are no profile descriptions - only EC1:5 soil:water extract data at depth intervals 0.00-0.00 m, 0.00-0.25 m, 0.25-0.50 m and 0.50-1.00 m.

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APPENDIX 6

Pre-existing Soil Information from the SPADE Website

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EL 6505
MOOKI
Mystery Road
Werris Creek
KAMILLAROI HIGHWAY
Doona State Forest
Gap Road
Waverley Road
Waverley Road
Yarraman
Coonabarabran Road
BINNAWAY WERRIS CREEK RAILWAY
Caroona
Quirindi
Coonabarabran Road
Creek
RIVER
Creek
250000
260000
6530000
6520000
N
0 1 2 3 4
Kilometres
GDA 94 MGA Zone 56
Source: Land and Property Management Authority - Topographic Base 2010 and Orthophoto (Curlewis 2011 & Tamworth 2010)
LEGEND
Exploration Licence (EL 6505)
Project Assessment Area
Slope
Slope < 1 %
SOILmgt
CAROONA COAL PROJECT
APPENDIX 7a
Slope Map for LSC Analysis
Slope < 1%
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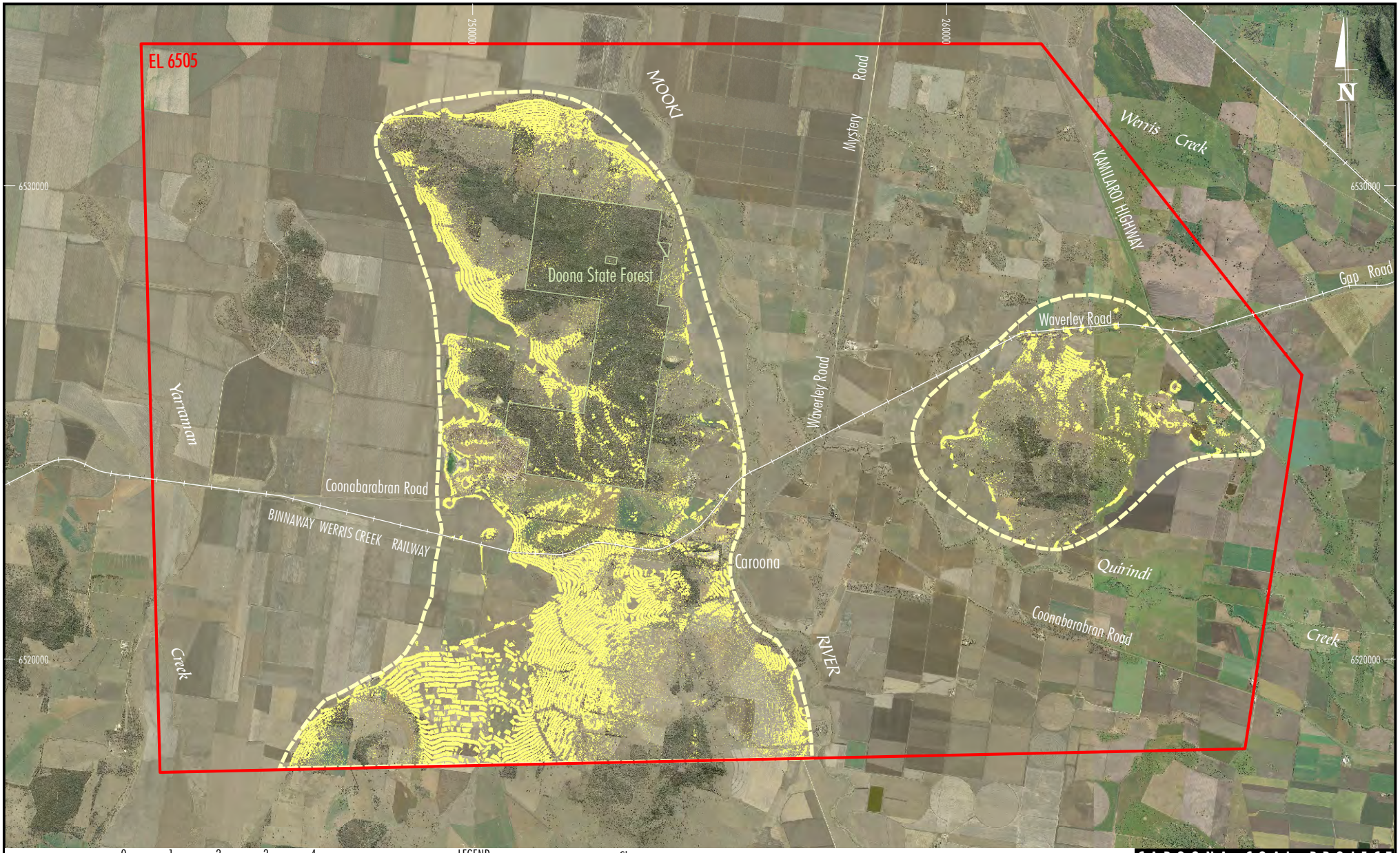
EL 6505
MOOKI
Mystery Road
Werris Creek
KAMILAROI HIGHWAY
Doona State Forest
Gap Road
Waverley Road
Waverley Road
Yarraman
Coonabarabran Road
BINNAWAY WERRIS CREEK RAILWAY
Caroona
Quirindi
Coonabarabran Road
RIVER
Creek
Creek
250000
260000
6530000
6520000
N
0 1 2 3 4
Kilometres
GDA 94 MGA Zone 56
Source: Land and Property Management Authority - Topographic Base 2010 and Orthophoto (Curlewis 2011 & Tamworth 2010)
LEGEND
Exploration Licence (EL 6505)
Project Assessment Area
Slope
Slope 1-3 %
SOILmgt
CAROONA COAL PROJECT
APPENDIX 7b
Slope Map for LSC Analysis
Slope 1 - 3%
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APPENDIX 7c

Slope Map for LSC Analysis
Slope 3-10%

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HVE-13-02_Gateway_ARA_Appendices_210A

HVE-13-02_Gateway_ARA_Appendices_211A

HVE-13-02_Gateway_ARA_Appendices_212A


EL 6505
MOOKI
Mystery
Road
Werris Creek
KAMILLAROI HIGHWAY
Doona State Forest
Gap Road
Waverley Road
Waverley Road
Yarraman
Coonabarabran Road
BINNAWAY WERRIS CREEK RAILWAY
Caroona
Quirindi
Coonabarabran Road
RIVER
Creek
Creek
250000
260000
6530000
6520000
N
0 1 2 3 4
Kilometres
GDA 94 MGA Zone 56
Source: Land and Property Management Authority - Topographic Base 2010 and Orthophoto (Curlewis 2011 & Tamworth 2010)
LEGEND
Exploration Licence (EL 6505)
Project Assessment Area
Slope
Slope > 50%
SOILmgt
CAROONA COAL PROJECT
APPENDIX 7g
Slope Map for LSC Analysis
Slope > 50%
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Appendix 8. BSAL Assessment Matrix

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
							pH $CaCl_2$				ESP				Salinity (ECe, dS/m)						
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	ASC: Fertility Status	Subgroup, Great group	
1	318	0	-	-	-	-	5.5	5.8	6.2	8.2	1.9	3.7	4.2	7.8	1.0	1.0	0.7	3.6	Brown Vertosol, FZ GS	Endocalcareous, Epipedal	No
2	319	3	-	35	*	35	5.6	5.2	5.4	6.0	0.2	0.9	0.3	0.5	0.9	0.5	0.2	0.3	Brown Chromosol, AT, AH	Bleached, Eutrophic	No
3	325	7	120	90		90	4.9	4.7	5.1	5.3	0.2	0.4	0.9	0.9	0.6	0.3	0.3	0.3	Clastic Rudosol,AR, HI	Basic, Colluvic	No
4	326	0	-	-	-	-	5.8	6.2	6.6	6.9	0.2	0.4	0.4	1.6	1.4	0.8	0.7	0.7	Red Chromosol, BB BD	Bleached-Vertic, Calcic	Yes
5	320	1	-	40	*	40	5.4	6.3	7.7	7.4	0.2	0.3	1.0	4.6	1.0	2.3	0.8	0.9	Yellow Chromosol, AZ BD	Bleached-Mottled, Calcic	No
6	327	0	-	90	*	90	5.2	5.7	6.3	6.7	0.8	0.9	0.4	0.6	1.5	0.4	0.4	0.6	Stratic Rudosol, AR	Basic	No
7	328	0	40	40	-	40	5.8	7.2	7.1	7.2	0.4	0.3	0.6	0.7	1.9	1.5	0.6	1.3	Clastic Rudosol, AR, HI	Basic, Colluvic	No
8	321	1	-	52	*	52	5.8	5.9	6.1	6.6	0.2	0.5	0.6	0.7	0.6	0.3	0.2	0.2	Clastic Rudosol, AR, HI	Basic Colluvic	No
9	324	0	100	80	-	80	5.8	5.2	6.0	7.5	0.1	0.2	0.1	0.4	1.0	0.4	0.3	1.3	Clastic Rudosol, AR, HI	Basic, Colluvic	No
10	323	3	-	95	-	95	5.7	5.6	6.0	6.4	0.2	0.4	0.1	1.0	0.8	0.3	0.4	0.2	Clastic Rudosol, AR, HI	Basic, Colluvic	No
11	322	2	-	-	-	-	4.9	5.0	5.8	7.6	0.3	0.4	0.9	2.2	1.1	1.0	0.3	0.7	Red Chomosol, CD BD	Haplic, Calcic	Yes
12	87	2	90	-	*	-	5.2	4.9	5.4	6.3	1.1	2.6	7.3	9.7	1.0	0.4	0.4	0.6	Brown Sodosol, CV, ES	Hypocalcic, Subnatric	No
13	86	4	-	50	100	50	5.6	4.7	5.8	6.3	0.2	0.7	0.5	0.5	0.8	0.4	0.3	0.3	Brown Dermosol, CD, CV	Haplic, hypocalcic	No
14	189	10	80	50	-	50	5.9	6.1	4.9	5.3	0.1	0.1	0.4	0.7	1.1	1.4	0.4	0.2	Red Kandosol, DQ, AH	Mottled, Eutrophic	No
15	84	5	-	60	*	60	5.8	5.8	6.4	6.8	0.3	0.3	0.3	0.3	1.0	0.7	0.4	0.4	Red Dermosol, DQ, CV	Mottled, Hypocalcic	No
16	83	5	15	60	*	60	5.3	5.9	6.0	6.7	0.1	0.1	0.3	0.2	1.7	0.8	1.0	0.7	Brown Dermosol, DQ, BD	Mottled, Calcic	No
17	82	4	85	40	60	40	6.1	5.4	5.2	6.1	0.1	0.2	0.2	1.4	1.2	0.7	0.4	0.2	Grey Chromosol, DQ, AH	Mottled, Eutrophic	No
18	188	1	30	-	-	-	5.2	4.7	4.0	4.0	0.1	0.2	0.3	1.2	0.8	0.8	0.3	0.2	Red Kurosol, CD, AG	Haplic, Mesotrophic	No
19	181	4	70	60	*	60	6.0	4.6	5.4	6.8	0.1	0.2	0.2	0.4	3.9	1.1	0.5	0.2	Grey Chromosol, DQ, AH	Mottled, Eutrophic	No
20	85	6	-	60	30	30	6.1	6.0	6.3	6.8	0.4	0.1	0.1	0.2	1.8	1.0	0.5	0.4	Brown Dermosol, CD, CV	Haplic, Hypocalcic	No
21	81	4	95	-	-	-	5.6	5.6	6.3	6.4	0.3	0.4	0.5	1.0	2.1	0.8	0.4	0.3	Brown Kandosol, CD, AH	Haplic, Eutrophic	Yes
22	80	7	60	-	30	30	5.8	5.4	5.4	5.6	0.4	0.4	0.4	0.5	3.0	1.1	0.5	0.3	Red Dermosol, DC, AH	Manganic, Eutrophic	No
23	88	2	90	-	-	-	5.9	6.5	8.0	8.2	0.5	0.5	1.5	3.1	1.0	0.7	1.3	1.3	Brown Vertosol, FY, GS	Epicalcareous, Epipedal	No
24	184	5	80	60	*	60	6.3	6.0	3.9	4.6	0.0	0.1	0.2	0.6	1.9	2.5	0.2	0.2	Red-Orthic Tenosol, DC, CZ	Manganic, Lithic	No
25	187	5	30	-	-	-	4.2	4.1	3.9	4.0	0.4	0.2	0.2	0.4	1.5	0.8	0.2	0.2	Red Dermosol, AI, AG	Acidic, Mesotrophic	No
26	182	5	100	-	-	-	6.3	6.9	7.7	7.6	0.1	0.1	0.1	0.1	1.5	0.7	1.2	0.6	Red Chromosol, CD, AH	Mottled, Eutrophic	Yes
27	180	6	100	60	*	60	5.9	6.4	7.3	7.5	0.0	0.0	0.2	0.3	2.2	2.1	1.0	0.5	Brown Chromosol, DQ, BD	Mottled, Calcic	No
28	75	6	100	30	*	30	5.6	6.5	6.5	6.6	0.1	0.1	0.1	0.2	3.5	1.9	0.4	0.3	Grey Chromosol, DC, AG	Manganic, Mesotrophic	No
29	79	1	-	-	-	-	6.2	6.6	8.2	8.5	4.3	6.2	9.9	14.8	1.5	1.2	2.7	4.9	Brown Vertosol, FM, GS	Epicalcareous-Endohypersodic, Epipedal	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
30	183	3	-	40	*	40	5.0	4.8	4.1	4.1	0.3	0.3	0.6	2.9	0.7	0.6	0.2	0.2	Brown Kurosol, DQ, AH	Mottled, Eutrophic	No
31	175	9	110	-	-	-	5.1	5.6	4.8	4.8	0.1	0.1	0.4	1.3	0.8	0.4	0.2	0.1	Brown Dermosol, CD, AH	Haplic, eutrophic	Yes
32	74	7	-	-	-	-	5.9	6.1	6.0	6.2	0.1	0.3	0.5	0.8	1.9	0.6	0.0	0.2	Red Dermosol, CD, AG	Haplic, Mesotrophic	Yes
33	78	1	-	-	-	-	6.5	7.1	8.3	8.7	5.9	9.1	11.9	18.8	1.1	2.1	3.1	5.8	Brown Vertosol, FM, GS	Epicalcareous-Endohypersodic, Epipedal	No
34	178	3	100	60	*	60	6.0	6.2	6.0	6.4	0.1	0.3	0.4	0.4	0.6	0.3	0.2	0.2	Yellow Dermosol, DQ, AH	Mottled, eutrophic	No
35	73	2	-	100	30	30	6.1	5.1	5.6	6.3	0.3	0.1	0.2	0.2	2.3	0.4	0.2	0.2	Brown Kandosol, DC, AH	Manganic, Eutrophic	No
36	72	1	-	50	*	50	5.9	5.4	5.9	6.4	0.1	0.2	0.2	0.2	0.9	0.4	0.4	0.2	Grey Dermosol, DQ, BD	Mottled, Calcic	No
37	329	0	-	-	-	-	6.7	7.2	7.3	8.3	2.2	3.9	5.0	8.3	1.2	1.0	1.0	2.6	Grey Vertosol, FZ GS	Endocalcareous, Epipedal	No
38	26	2	-	-	-	-	5.1	5.2	6.8	8.1	1.4	2.7	4.3	6.3	1.7	1.5	0.9	2.2	Red Chromosol, EX, BD	Vertic, Calcic	No
39	28	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Red Dermosol, AI, AH	Acidic, Eutrophic	No
40	186	12	60	-	-	-	5.6	5.1	4.8	4.6	0.2	0.3	1.1	2.0	3.3	0.8	0.4	0.2	Brown Dermosol, CD, AG	Haplic, Mesotrophic	No
41	185	6	80	50	-	50	5.2	5.4	5.4	5.6	0.1	0.7	1.3	1.6	0.6	0.4	0.2	0.3	Brown Dermosol, CD, AH	Haplic Eutrophic	No
42	174	5	45	45	-	45	-	-	-	-	-	-	-	-	-	-	-	-	Leptic Tenosol, AR, CZ	Basic, Lithic	No
43	177	7	100	-	*	-	5.4	4.7	4.8	5.6	0.1	0.2	0.7	1.3	0.7	0.3	0.2	0.1	Red Dermosol, CD, AH	Haplic, eutrophic	Yes
44	71	5	90	60	60	60	5.6	5.2	5.9	6.3	0.1	0.1	0.1	0.3	2.1	1.0	0.3	0.9	Grey Dermosol, CD, AH	Haplic, Eutrophic	No
45	77	1	-	-	*	-	5.8	6.4	7.1	8.3	3.3	6.0	7.3	11.0	0.8	0.7	0.8	2.8	Black Vertosol, FM, GS	Epicalcareous-Endohypersodic, Epipedal	No
46	25	0.5	-	-	-	-	6.0	6.3	7.1	8.2	3.6	3.0	3.6	6.1	2.9	1.5	1.2	2.4	Grey Vertsosol, FZ, EI	Endocalcaerous, Self-mulching	No
47	24	0.5	-	-	-	-	6.2	6.6	7.2	8.1	4.4	4.1	4.1	6.6	3.1	2.6	1.8	2.7	Black Vertsosol, GM, EI	Endocalcaerous-Endohypersodic, Self-mulching	No
48	27	2	-	-	-	-	5.6	7.4	8.0	8.2	1.9	0.9	0.8	1.6	1.5	2.5	1.6	1.3	Brown Vertosol, FZ, GS	Endocalcareous, Epipedal	No
49	29	3	130	45	-	45	5.0	5.4	6.0	6.7	0.4	0.4	0.1	0.3	1.5	0.8	0.6	0.6	Brown Kandosol, DQ, BD	Mottled, Calcic	No
50	97	7	0	50	-	50	5.4	4.1	4.5	4.0	0.8	0.2	0.9	2.4	0.4	0.2	0.3	0.3	Red Dermosol, AI, AH	Acidic, Eutrophic	No
51	96	6	30	40	-	40	4.9	4.8	4.9	5.0	0.6	0.4	0.6	2.0	1.0	1.4	0.3	0.5	Brown Chromosol, AZ, AH	Bleached-Mottled, Eutrophic	No
52	172	7	100	70	-	70	4.5	4.3	4.8	6.1	0.2	0.3	0.6	0.9	1.5	0.8	0.5	0.5	Red Chromosol, DQ, AH	Mottled, eutrophic	No
53	89	3	-	15	*	15	5.4	5.6	6.1	6.5	0.1	0.2	0.5	0.4	1.0	0.6	0.5	0.5	Brown Chromosol, AZ, AH	Bleached-Mottled, Eutrophic	No
54	176	6	90	40	-	40	5.7	5.0	5.1	4.4	0.2	0.1	0.4	1.1	0.6	0.3	0.2	0.1	Red Dermosol, DQ, AH	Mottled, eutrophic	No
55	70	5	-	30	*	30	6.1	5.1	5.9	6.3	0.1	0.1	0.1	0.2	1.4	0.6	0.3	0.4	Brown Chromosol, AZ, BD	Bleached-Mottled, Calcic	No
56	76	0	-	100	*	100	5.5	5.5	6.4	7.4	1.8	5.3	6.8	12.6	0.8	0.8	1.0	2.3	Grey Vertosol, GM, GS	Endocalcareous-Endohypersodic, Epipedal	No
57	330	0	-	-	-	-	6.6	7.0	7.4	8.4	5.4	7.3	9.2	13.7	1.3	1.4	1.6	4.9	Grey Vertosol, GM GS	Endocalcareous-Endohypersodic, Epipedal	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
58	331	0	-	-	-	-	7.3	6.8	7.7	8.4	3.3	4.5	7.3	10.1	2.3	1.0	1.7	4.3	Grey Vertosol, GM GS	Endocalcareous-Endohypersodic, Epipedal	No
59	23	1	-	-	-	-	6.3	6.4	7.3	7.9	5.4	4.1	4.8	8.9	9.6	7.2	6.6	10.3	Grey Vertosol, EG, EI	Salic, Self-mulching	No
60	22	1	-	-	-	-	5.9	6.5	7.2	7.7	3.4	3.3	4.8	12.4	3.4	1.9	2.2	5.3	Black Vertosol, GM, EI	Endocalcareous-Endohypersodic, Self-mulching	No
61	30	0.5	-	-	-	-	5.4	6.1	7.0	7.4	3.0	3.4	4.7	7.9	1.3	0.8	0.7	0.9	Brown Vertosol, GM, GS	Endocalcareous-endohypersodic, epipedal	No
62	261	2	-	-	-	-	5.0	4.8	5.1	7.1	0.9	1.8	3.9	5.6	0.9	0.3	0.2	0.7	Stratic Rudosol, BC	Calcareous	No
63	173	3	-	47	*	47	4.8	4.5	5.2	6.2	2.0	0.5	0.3	3.8	2.3	0.7	0.2	0.6	Stratic Rudosol, AR	Basic	No
64	95	7	0	50	100	50	5.1	4.8	4.5	5.4	0.1	0.2	0.9	1.0	1.4	0.7	0.4	0.3	Red Kandosol, DQ, AH	Mottled, Eutrophic	No
65	90	3	105	10	*	10	4.8	4.7	5.6	6.8	0.8	3.8	12.6	29.2	1.0	0.3	0.7	2.1	Grey Sodosol, AH, DP	Eutrophic, Mesonatric	No
66	179	3	-	80	-	80	5.3	4.5	4.6	4.9	0.1	0.9	0.5	2.0	1.9	0.4	0.1	0.0	Brown Chromosol, AT, AH	Bleached, Eutrophic	Yes
67	69	5	-	60	*	60	6.5	5.0	4.7	5.6	0.3	0.6	0.5	0.6	3.0	1.2	0.6	0.4	Grey Dermosol, DQ, AH	Mottled, Eutrophic	No
68	309	2	-	85	*	85	5.5	5.7	6.6	7.3	0.6	3.1	4.0	5.7	0.9	0.4	0.4	0.5	Stratic Rudosol, BC	Calcareous	No
69	308	1	-	70	70	70	5.3	4.6	5.6	6.7	1.1	1.7	1.4	3.2	0.9	0.4	0.3	0.6	Grey Chromosol, DC AH	Manganic, Eutrophic	No
70	68	1	-	-	-	-	6.2	6.5	7.8	8.2	4.3	3.8	5.9	10.6	0.6	0.8	1.6	2.8	Black Vertosol, GB, GS	Epicalcareous-Endohypersodic, Epipedal	No
71	310	0	-	-	-	-	6.8	7.7	8.0	8.6	4.9	11.5	12.7	17.8	1.0	1.7	1.7	4.4	Black Vertosol, FM BH	Epicalcareous-Epihypersodic, Crusty	No
72	332	0	-	-	-	-	6.7	7.3	7.5	8.3	2.1	4.3	5.7	9.0	1.0	1.3	0.9	2.6	Grey Vertosol, FZ GS	Endocalcareous, Epipedal	No
73	32	5	70	40	*	40	-	-	-	-	-	-	-	-	-	-	-	-	Red Dermosol, DQ, AH	Mottled, Eutrophic	No
74	31	5	-	30	*	30	4.9	5.7	6.3	6.9	0.7	0.6	0.5	0.5	2.3	0.9	0.9	1.2	Red Chromosol, DQ, AH	Mottled, Eutrophic	No
75	260	0	-	-	-	-	5.2	5.0	6.7	7.4	4.1	3.8	8.8	15.1	1.6	0.9	0.8	2.0	Grey Vertosol, EX ES	Vertic, Subnatric	No
76	98	1	60	50	*	50	-	-	-	-	-	-	-	-	-	-	-	-	Brown Vertosol, FZ, ES	Endocalcareous, Epipedal	No
77	94	1	-	30	*	30	5.0	4.5	5.0	5.9	0.3	0.3	2.2	4.1	1.0	0.3	0.2	0.3	Grey Chromosol, AZ, AH	Bleached-Mottled, Eutrophic	No
78	93	0	60	30	*	30	-	-	-	-	-	-	-	-	-	-	-	-	Brown Dermosol, AU, AH	Bleached-Mottled, Eutrophic	No
79	91	7	-	60	-	60	5.4	5.5	5.1	5.2	0.7	0.2	0.2	0.5	1.1	0.7	0.2	0.2	Red Dermosol, CD, AH	Haplic, Eutrophic	No
80	171	12	90	40	*	40	5.7	5.4	5.5	6.6	0.2	0.7	1.0	1.0	1.8	0.7	0.4	0.4	Brown Chromosol, DQ, AH	Mottled, eutrophic	No
81	66	6	-	10	-	10	5.7	5.6	4.8	4.9	0.3	0.3	0.4	1.0	1.4	0.7	0.2	0.2	Red Kandosol, DQ, AG	Mottled, Mesotrophic	No
82	67	9	100	40	*	40	5.8	5.7	5.9	6.4	0.4	0.5	0.2	0.7	1.1	1.2	0.4	0.3	Brown Dermosol, DQ, AH	Mottled, Eutrophic	No
83	314	0	-	-	-	-	7.4	7.7	8.1	8.4	3.3	3.5	4.8	9.0	2.7	2.3	1.9	2.6	Grey Vertosol, GB GS	Epicalcareous-Endohypersodic, Epipedal	No
84	315	0	-	-	-	-	6.5	6.9	7.4	8.4	3.1	5.6	7.3	8.5	0.9	0.9	1.1	2.8	Black Vertosol, FZ GS	Endocalcareous, Epipedal	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
85	46	0	-	-	-	-	6.8	7.4	7.9	8.1	4.5	5.8	7.0	11.9	6.1	6.5	9.4	19.1	Grey Vertosol, GM, GS	Endocalcaerous-Endohypersodic, Epipedal	No
86	102	0	100	40	40	40	4.6	5.1	6.1	8.1	0.6	0.4	2.9	5.9	0.7	0.4	0.3	1.6	Grey Chromosol, CD, BD	Haplic, Calcic	No
87	92	9	-	60	-	60	5.4	5.6	5.6	6.0	0.1	0.1	0.1	0.4	1.0	1.1	0.3	0.2	Red Dermosol, CD, AH	Haplic, Eutrophic	No
88	65	5	-	40	-	40	5.6	4.4	4.4	4.9	0.1	0.2	0.2	0.7	1.2	0.3	0.2	0.2	Red Kurosol, DQ, AH	Mottled, Eutrophic	No
89	64	4	60	30	*	30	-	-	-	-	-	-	-	-	-	-	-	-	Grey Sodosol, FN, AH	Mottled-Subnatric, Eutrophic	No
90	63	0	100	70	*	70	5.3	5.2	6.4	7.3	0.5	0.6	1.6	2.7	1.0	0.4	0.3	0.8	Grey Chromosol, CD, AH	Haplic, Eutrophic	No
91	313	0	-	-	-	-	6.7	7.4	8.0	8.4	2.5	4.1	6.1	9.8	1.1	1.2	2.0	3.2	Black Vertosol, GB GS	Epicalcareous-Endohypersodic, Epipedal	No
92	36	2	-	-	-	-	6.1	6.2	7.0	7.8	1.9	2.0	2.3	2.9	2.8	2.3	1.5	2.0	Grey Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes
93	33	1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Red-Orthic Tenosol, AI, CZ	Acidic, Lithic	No
94	101	5	80	60	*	60	4.7	5.0	-	5.6	0.1	0.1	-	0.3	0.7	0.6	-	0.3	Grey Chromosol, AZ, AH	Bleached-mottled, eutrophic	No
95	103	3	-	50	*	50	4.6	4.7	5.1	5.9	0.2	0.2	0.2	0.4	1.2	1.0	0.5	0.2	Brown Kandosol, CD, AH	Haplic, Eutrophic	No
96	104	3	-	30	*	30	4.3	4.2	4.5	5.8	0.3	0.3	0.4	1.3	0.8	0.8	1.4	0.3	Brown Chromosol, AZ, AH	Bleached-Mottled, Eutrophic	No
97	170	2	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Leptic Tenosol, AR, CZ	Basic, lithic	No
98	273	3	100	60	*	60	4.8	5.0	4.8	5.1	0.2	0.2	0.3	0.4	0.3	0.4	0.2	0.2	Brown Chromosol, DQ AH	Mottled, Eutrophic	No
99	272	5	60	60	*	60	5.1	4.9	5.0	6.1	0.2	0.2	0.2	0.7	0.6	0.4	0.3	0.3	Red Dermosol, CD AH	Haplic, Eutrophic	No
100	271	5	30	60	*	60	5.4	5.6	5.5	5.8	0.6	0.1	0.5	1.0	0.3	0.6	0.2	0.3	Grey Chromosol, DQ AH	Mottled, Eutrophic	No
101	62	3	-	40	-	40	6.2	4.9	5.1	5.6	0.6	1.7	2.2	2.9	1.5	0.7	0.3	0.3	Grey Chromosol, DQ, AH	Mottled, Eutrophic	No
102	270	6	110	60	60	60	6.0	6.0	6.3	6.9	0.2	0.3	0.3	0.6	1.5	1.0	0.5	0.6	Red Dermosol, DC BD	Manganic, Calcic	No
103	277	0	-	-	-	-	6.5	7.8	8.2	8.5	3.9	5.3	7.7	12.9	1.2	1.5	1.9	3.5	Brown Vertosol, GB GS	Epicalcareous-Endohypersodic, Epipedal	No
104	45	5	-	-	-	-	6.4	7.6	8.1	8.4	3.4	3.4	3.9	10.7	3.5	3.4	2.5	4.2	Grey Vertosol, GM, GS	Endocalcareous-endohypersodic, epipedal	No
105	37	1	-	-	-	-	6.3	6.9	7.6	8.4	2.1	2.5	3.6	5.0	3.9	2.8	2.9	4.1	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	No
106	35	7	-	55	-	55	5.9	6.8	7.6	8.0	0.7	0.8	2.2	2.6	3.7	2.3	1.5	2.2	Brown Chromosol, DQ, BD	Mottled, Calcic	No
107	34	7	85	-	-	-	5.1	5.0	4.1	4.2	0.2	0.1	0.4	1.0	1.6	0.6	0.3	0.2	Brown Dermosol, AI, AH	Acidic, Eutrophic	No
108	100	4	60	60	*	30	5.2	4.5	5.1	5.8	0.1	0.1	0.1	1.0	1.5	0.4	0.2	7.5	Red Dermosol, CD, BJ	Haplic, Duric	No
109	99	4	60	30	60	30	5.6	5.3	5.5	5.9	0.1	0.2	0.1	0.9	1.2	0.8	0.2	0.2	Red Kandosol, DC, AH	Manganic, Eutrophic	No
110	105	3	120	50	*	50	4.2	4.2	4.6	5.7	0.4	0.4	0.5	1.3	0.7	0.7	0.9	0.5	Grey Sodosol, AH, FN	Mottled-subnatric, eutrophic	No
111	274	5	130	60	*	60	5.4	5.3	5.6	6.0	0.1	0.1	0.1	1.1	0.4	0.4	0.3	0.3	Brown Chromosol, CD AH	Haplic, Eutrophic	No
112	275	9	100	60	-	60	4.8	5.1	5.3	5.8	0.2	0.1	0.1	0.4	0.3	0.4	0.3	0.4	Red Dermosol, CD AH	Haplic, Eutrophic	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
113	276	2	100	60	*	60	5.1	4.7	4.7	5.1	0.3	0.3	0.5	1.2	0.7	0.7	0.4	0.3	Brown Chromosol, DQ AH	Mottled, Eutrophic	No
114	312	0	-	70	-	70	5.5	7.4	8.3	8.6	2.6	4.4	6.6	14.3	1.1	1.7	2.3	3.9	Brown Vertosol, GB GS	Epicalcareous-Endohypersodic, Epipedal	No
115	44	3	100	-	-	-	5.5	5.4	6.8	8.2	0.2	0.4	1.1	3.8	2.2	1.5	1.5	4.1	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	No
116	38	3	-	65	-	65	5.8	6.9	7.4	7.6	1.5	1.3	2.6	3.0	3.6	2.0	1.3	1.8	Red Chromosol, EX, BD	Vertic, Calcic	No
117	39	6	-	60	-	60	6.1	4.9	4.8	5.1	0.1	0.3	0.5	0.6	2.1	0.7	0.5	0.5	Brown Chromosol, AZ, AH	Bleached-Mottled, Eutrophic	No
118	163	8	80	-	-	-	5.0	4.5	4.5	5.1	0.1	0.2	0.2	1.2	1.4	0.4	0.3	0.2	Brown Chromosol, CD, AH	Haplic, eutrophic	Yes
119	165	3	80	-	-	-	5.6	6.3	5.6	5.7	0.1	0.1	0.1	0.3	0.6	0.5	0.4	0.3	Red Dermosol, CD, AH	Haplic, eutrophoc	Yes
120	162	3	110	-	-	-	5.8	4.9	4.2	4.3	0.1	0.1	0.6	1.4	1.0	0.3	0.2	0.2	Red Dermosol, AI, AH	Acidic, eutrophoc	No
121	169	5	105	70	-	70	4.6	5.2	5.6	5.0	0.1	0.2	0.5	1.0	1.1	0.5	0.7	0.2	Red Dermosol, DQ, AH	Mottled, eutrophic	No
122	298	12	100	60	*	60	5.6	5.6	5.8	6.2	0.1	0.1	0.1	0.2	0.8	0.6	0.3	0.2	Brown Dermosol, DQ BD	Mottled/Manganic, Calcic	No
123	157	4	-	45	*	45	4.9	4.5	5.0	6.0	0.1	0.4	0.4	7.2	1.4	0.5	0.5	0.7	Grey Chromosol, HB, AH	Mottled-sodic, eutrophic	No
124	297	2	-	40	*	40	5.7	5.0	5.9	6.7	0.7	0.6	0.6	1.3	3.9	0.8	0.4	0.7	Grey Chromosol, AZ CV	Bleached-Mottled, Hypocalcic	No
125	40	1	100	-	-	-	5.0	5.2	6.0	6.7	1.3	1.4	1.4	1.3	3.9	2.1	1.6	2.6	Red Dermosol, CD, AH	Haplic, Eutrophic	Yes
126	41	5	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Grey-Orthic Tenosol, AI, CZ	Basic, Lithic	No
127	164	5	75	45	*	45	5.3	5.5	5.8	5.9	0.1	0.1	0.1	0.4	2.8	0.6	0.3	0.3	Brown Chromosol, DQ, AH	Mottled, eutrophic	No
128	168	4	120	70	-	70	6.0	6.3	5.9	5.2	0.2	0.1	0.2	0.9	1.1	0.8	0.3	0.2	Red Chromosol, DQ, AH	Mottled, eutrophic	No
129	58	6	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Red Kurosol, CD AH	Haplic, Eutrophic	No
130	2	8	100	55	-	55	4.5	4.7	4.9	5.9	0.6	0.5	0.7	1.3	0.9	0.5	0.5	0.7	Red Dermosol, DQ, AH	Mottled, Eutrophic	No
131	158	4	70	35	*	35	4.6	4.8	5.5	5.3	0.3	0.3	0.2	0.8	1.4	0.5	0.5	0.2	Grey-Orthic Tenosol, AR, CZ	Basic, lithic	No
132	159	4	75	-	-	-	4.8	4.4	4.1	4.9	0.6	0.4	0.4	0.7	0.8	0.4	0.1	0.1	Red Chromsol, CD, AH	Haplic, eutrophic	No
133	161	8	-	60	-	60	5.1	5.6	6.0	6.2	0.1	0.1	0.2	0.7	1.4	0.7	0.2	0.2	Red Dermosol, DQ, AH	Mottled, eutrophic	No
134	160	3	100	50	-	50	5.3	5.8	6.4	5.6	0.1	0.4	0.5	1.8	1.0	0.5	0.3	0.3	Red Dermosol, DQ, AH	Mottled, eutrophic	No
135	262	7	60	60		60	5.0	5.8	6.2	6.6	0.1	0.1	0.4	0.6	1.1	1.1	0.5	0.7	Red Dermosol, CD AH	Haplic Eutrophic	No
136	263	0	-	-	-	-	5.9	5.3	6.4	8.3	2.1	4.7	6.9	12.8	1.6	0.8	0.9	5.0	Black Vertosol, FZ GS	Endocalcareous, Epipedal	No
137	267	1	-	-	-	-	7.7	7.8	8.0	8.4	0.8	1.1	1.9	9.0	1.4	1.2	1.2	2.3	Black Vertosol, GM GS	Endocalcareous-Endohypersodic, Epipedal	No
138	43	2	-	70	-	70	6.9	6.0	6.7	7.9	5.2	4.4	5.4	5.9	11.8	6.6	8.1	10.0	Red Dermosol, EX, BC	Vertic, Calcic	No
139	42	2	-	38	*	38	4.6	4.2	6.4	7.7	1.5	3.1	2.5	4.2	3.5	6.2	3.6	5.5	Brown Chromosol, AZ, AH	Bleached-Mottled, Eutrophic	No
140	166	4	90	50	-	50	6.9	6.3	5.5	5.6	0.0	0.1	0.1	0.2	4.3	0.9	0.3	0.2	Brown Chromosol, DQ, AH	Mottled, eutrophic	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
							pH $CaCl_2$				ESP				Salinity (ECe, dS/m)						
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	ASC: Fertility Status	Subgroup, Great group	
141	57	4	-	30	-	30	5.3	5.6	6.0	6.4	0.3	1.1	1.3	1.4	0.9	0.9	0.7	0.6	Brown Chromosol, AZ, AH	Bleached-Mottled, Eutrophic	No
142	1	1	-	-	-	-	5.3	6.3	6.9	7.5	0.6	0.4	0.5	0.2	1.0	0.8	1.1	1.9	Black Vertosol, GM, GS	Endocalcareous-Endohypersodic, Epipedal	Yes
143	264	1	110	-	-	-	4.5	5.6	6.0	6.2	1.6	0.8	0.9	1.8	0.5	0.6	0.3	0.3	Black Kandosol, CD BD	Haplic, Calcic	Yes
144	265	0	-	-	-	-	7.2	6.3	6.8	7.9	1.2	3.7	4.6	9.5	3.2	1.0	0.7	1.5	Black Vertosol, FZ GS	Endocalcareous, Epipedal	No
145	266	0	-	-	-	-	6.6	6.8	7.8	8.4	3.6	7.0	10.6	15.9	1.5	1.2	1.7	5.1	Black Vertosol, GM GS	Endocalcareous-Endohypersodic, Epipedal	No
146	317	1	-	-	-	-	8.1	8.2	8.3	8.0	2.5	4.5	8.7	5.5	2.0	2.4	2.9	25.5	Grey Vertosol, FY/BZ GS	Epicalcareous/Gypsic, Epipedal	No
147	47	3	140	60	-	60	5.7	5.6	6.3	6.6	1.1	1.7	1.8	4.1	0.4	2.2	1.4	4.8	Red Vertosol, DQ, GS	Mottled, Epipedal	No
148	48	3	-	65	*	65	4.8	5.8	7.4	7.6	16.3	5.4	6.0	10.1	22.6	2.9	2.5	3.6	Stratic Rudosol, BC	Calcareous	No
149	19	7	90	60	-	60	4.1	4.1	5.5	6.5	0.4	0.2	0.7	1.0	3.5	1.8	0.8	0.4	Red Chromosol, EX, AH	Vertic, Eutrophic	No
150	20	5	95	55	-	55	4.3	4.1	5.9	6.6	0.1	0.2	0.1	0.2	2.5	1.2	0.7	0.8	Red Chromosol, DQ, AH	Mottled, Eutrophic	No
151	21	6	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Red Chromosol, CD, AH	Haplic, Eutrophic	No
152	56	5	55	25	-	25	-	-	-	-	-	-	-	-	-	-	-	-	Grey-Orthic Tenosol, AR, CZ	Basic, Lithic	No
153	55	5	100	50	*	50	5.0	4.7	4.8	4.9	1.0	0.7	1.1	1.5	1.0	0.4	0.4	0.3	Red Kandosol, DQ, AH	Mottled, Eutrophic	No
154	3	4	105	50	*	50	5.6	5.2	6.1	6.9	11.5	2.6	3.9	6.1	6.4	1.1	1.1	1.1	Brown Chromosol, DQ, AH	Mottled, Eutrophic	No
155	268	1	-	-	-	-	6.3	6.6	7.0	7.7	1.1	1.5	2.1	6.3	1.0	0.9	0.8	1.5	Black Vertosol, FZ GS	Endocalcareous, Epipedal	No
156	269	1	-	-	-	-	7.5	7.8	7.9	7.9	0.4	0.4	0.5	0.7	1.7	1.3	1.4	1.1	Black Vertosol, FY GS	Epicalcareous, Epipedal	Yes
157	316	1	-	-	-	-	6.3	7.7	7.8	8.2	0.8	1.7	2.5	10.9	1.1	1.7	1.8	3.6	Black Vertosol, FZ GS	Endocalcareous, Epipedal	No
158	50	0	-	-	-	-	6.9	7.0	7.5	7.8	25.8	28.0	30.8	33.2	27.9	30.8	34.0	31.6	Brown Vertosol, EG, EI	Salic, Self-Mulching	No
159	54	0.5	-	-	-	-	6.9	7.0	7.8	8.4	26.6	29.8	23.2	20.1	73.1	60.1	30.4	22.8	Brown Vertosol, FM, GS	Epicalcareous-Epihypersodic, Epipedal	No
160	53	5	-	-	-	-	7.7	8.0	8.2	8.5	20.4	26.0	22.6	21.9	69.9	36.8	26.9	22.6	Brown Vertosol, FM, EI	Epicalcareous-Epihypersodic, Self-mulching	No
161	49	3	-	60	*	60	6.2	6.2	5.8	6.5	0.3	0.1	0.2	0.6	1.9	1.9	0.6	0.5	Red Chromosol, DQ, AH	Mottled, Eutrophic	No
162	18	4	-	65	*	65	4.6	5.1	6.6	7.4	0.4	0.1	0.1	0.6	4.8	1.0	0.9	1.0	Red Chromosol, DQ, AH	Mottled, Eutrophic	No
163	9	4	90	65	-	65	4.5	4.2	4.9	6.2	0.2	0.3	0.2	0.1	2.9	0.8	0.4	0.3	Brown Dermosol, DQ, AH	Mottled, Eutrophic	No
164	8	3	-	-	-	-	5.0	5.3	6.5	7.7	1.1	0.2	0.1	0.6	5.2	0.7	0.6	1.0	Yellow Dermosol, CD, BD	Haplic, Calcic	No
165	5	2	100	50	-	50	4.2	4.3	5.6	6.3	0.5	0.2	0.2	0.6	4.3	1.1	0.8	0.8	Red Dermosol, CD, AH	Haplic, Eutrophic	No
166	167	4	65	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	Red-Orthic Tenosol, AR, CZ	Basic, lithic	No
167	4	5	85	60	-	60	6.0	5.8	6.4	6.7	0.1	0.1	0.1	1.0	1.0	0.9	0.4	0.6	Brown Dermosol, CD, AH	Haplic, Eutrophic	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
168	51	0	-	-	-	-	6.8	7.0	8.0	8.4	8.4	8.6	15.0	19.7	6.5	3.4	6.6	14.7	Black Vertosol, FM, EI	Epicalcareous-Ehypersodic, Self-mulching	No
169	52	0	-	-	-	-	7.1	7.0	8.6	8.9	4.9	5.3	16.4	20.2	3.5	2.2	5.0	9.6	Black Vertosol, GO, EI	Epihypersodic-Endocalcareous, Self-mulching	No
170	10	2	-	-	-	-	4.7	5.4	5.6	6.4	0.2	2.1	1.9	1.8	1.3	0.7	0.4	1.1	Red Chromosol, EX, BD	Vertic, Calcic	Yes
171	11	5	35	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	Leptic Tensosol, AR, CZ	Basic, Lithic	No
172	7	3	110	100	-	100	4.7	4.5	6.7	7.2	10.8	4.7	1.3	2.9	7.2	2.3	0.9	1.5	Brown Chromosol, EX, BD	Vertic, Calcic	No
173	6	3	-	95	*	95	4.7	4.2	5.8	6.9	2.2	0.7	0.5	0.4	5.1	1.0	0.7	0.8	Brown Dermosol, DQ, AH	Mottled, Eutrophic	No
174	17	2	105	50	-	50	4.5	4.3	5.5	5.5	0.2	0.1	0.2	0.4	2.1	1.5	1.0	1.4	Red Chromosol, DQ, AH	Mottled, Eutrophic	No
175	16	5	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Brown Dermosol, CD, AH	Haplic, Eutrophic	No
176	12	4	95	-	-	-	4.7	4.3	5.6	6.4	0.4	0.2	0.2	0.1	2.2	1.2	0.5	0.6	Yellow Dermosol, CD, AH	Haplic, Eutrophic	No
177	15	4	-	-	-	-	4.8	6.5	7.9	8.1	0.4	0.1	0.0	0.1	3.9	1.6	1.4	1.6	Red Chromosol, CD, BD	Haplic, Calcic	Yes
178	229	2	-	-	-	-	5.0	4.9	5.8	6.5	0.2	0.2	0.2	0.3	0.6	0.6	0.3	0.3	Red Dermosol, CD, AH	Haplic, Eutrophic	Yes
179	13	3	-	-	-	-	4.2	4.1	6.0	7.8	0.2	0.2	0.1	0.1	1.7	0.8	0.5	0.9	Brown Chromosol, CD, BD	Haplic, Calcic	No
180	228	3	70	70	-	70	4.9	4.9	6.1	6.8	0.2	0.2	0.3	0.5	0.8	0.6	0.6	0.3	Red Chromosol, CD, AH	Haplic, Eutrophic	No
181	14	4	80	50	-	50	4.6	4.1	5.5	6.9	1.3	0.8	1.0	1.3	5.0	1.4	1.1	1.6	Yellow Chromosol, DQ, AH	Mottled, Eutrophic	No
182	254	0	-	-	*	-	6.8	7.2	7.7	8.2	6.4	8.8	11.8	19.6	1.6	1.4	2.5	13.3	Black Vertosol, BP EI	Endohypersodic, Self-mulching	No
183	255	0	-	-	*		6.5	6.5	7.5	8.3	3.7	3.7	7.8	13.1	1.2	1.1	1.7	6.2	Black Vertosol, BP EI	Endohypersodic, Self-mulching	No
184	256	1	50	-	-	-	4.8	4.8	5.6	6.0	0.8	1.2	1.2	1.4	0.6	0.4	0.5	0.6	Brown Vertosol, CD GS	Haplic, epipedal	No
185	216	2	120	50	*	50	5.2	4.9	5.8	6.7	1.1	2.7	3.0	3.7	0.8	0.9	1.0	0.9	Grey Chromosol, EX, BD	Vertic, Calcic	No
186	222	3	60	-	-	-	5.4	4.6	5.1	4.5	2.1	1.7	1.2	0.8	2.3	0.7	0.4	0.6	Red Dermosol, CD, AH	Haplic, Eutrophic	No
187	223	3	-	100	*	100	5.4	5.5	6.6	8.0	0.6	0.9	1.0	0.2	0.8	0.8	0.5	1.1	Red Chromosol, CD AH	Haplic, Eutrophic	Yes
188	224	2	100	60	*	60	5.5	5.8	5.7	7.5	0.1	0.2	0.8	1.6	1.0	0.7	0.6	0.6	Brown Chromosol, CD, BD	Haplic, Calcic	No
189	225	3	100	60	-	60	5.2	5.2	7.1	7.7	0.4	0.7	1.4	1.9	0.8	0.8	1.2	2.6	Red Chromosol, EX BD	Vertiv, Calcic	No
190	205	2	-	100	-	100	5.5	5.4	5.7	6.1	0.1	0.1	0.1	0.4	1.1	0.4	0.3	0.2	Red Dermosol, CD, AH	Haplic, Eutrophic	Yes
191	230	5	100	60	-	60	4.5	4.5	5.5	6.5	0.3	0.3	0.2	0.6	0.5	0.4	0.3	0.3	Red Chromosol, CD AH	Haplic, Eutrophic	No
192	227	6	80	60	*	60	4.9	4.5	4.7	4.6	0.3	0.3	0.2	0.3	1.0	0.4	0.3	0.5	Brown Chromosol, CD BD	Haplic, Calcic	No
193	253	0	-	-	*	-	6.7	7.0	7.5	8.2	4.3	5.7	8.4	13.9	1.6	2.7	3.4	7.0	Black Vertosol, BP EI	Endohypersodic, Self-mulching	No
194	248	0	-	-	*	-	6.7	7.2	7.6	8.0	3.3	5.7	9.7	15.4	1.9	2.3	3.7	9.6	Brown Vertosol, GM EI	Endocalcareous-Endohypersodic, Self-mulching	No
195	258	0	-	-	-	-	6.6	6.6	7.1	7.9	3.0	4.2	7.3	13.0	1.3	1.3	3.3	11.1	Black Vertosol, BP EI	Endohypersodic, Self-mulching	No
196	213	0	-	-	*	-	6.3	6.8	7.6	8.1	2.8	7.2	13.1	20.8	0.9	2.9	8.4	17.4	Black Vertosol, BP, EI	Endohypersodic, Self-mulching	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
197	257	0	-	-	*	-	6.6	7.5	7.9	8.2	24.1	28.7	29.8	29.0	34.7	31.0	31.2	35.8	Black Vertosol, BR GS	Epihypersodic, Epipedal	No
198	214	0	-	15	-	15	6.3	6.8	6.9	7.1	14.3	13.8	15.9	17.3	41.6	32.3	37.1	45.8	Aquic Vertosol, BP, GS	Endohypersodic, Epipedal	No
199	215	1	-	60	*	60	6.4	7.4	7.8	8.3	22.7	28.3	29.1	26.0	58.0	23.0	28.1	23.4	Black Vertosol, BR, GS	Epihypersodic, Epipedal	No
200	221	1	-	-	-	-	5.3	5.0	5.6	5.8	0.4	0.7	0.8	0.9	0.4	0.3	0.3	0.3	Red Chromosol, CD, AH	Haplic, Eutrophic	Yes
201	226	3	60	60	-	60	5.2	4.6	7.9	7.9	0.8	1.0	0.2	0.2	0.8	0.4	1.0	0.9	Red Chromosol, EX BD	Vertic, Calcic	No
202	206	1	110	100	-	100	6.6	5.2	5.6	5.6	0.1	0.3	0.5	0.5	2.0	0.3	0.3	0.4	Red Dermosol, CD BD	Haplic, Calcic	Yes
203	191	3	60	-	-	-	5.7	5.7	6.1	6.6	0.1	0.2	0.2	0.2	1.5	0.6	0.4	0.5	Red Dermosol, CD, AH	Haplic, Eutrophic	No
204	252	0	-	-	-	-	6.6	7.2	7.9	8.2	4.5	8.9	10.6	12.0	4.0	9.5	13.2	16.1	Black Vertosol, GM EI	Endocalcareous-Endohypersodic, Self-mulching	No
205	247	0	-	-	*	-	6.6	7.2	7.5	8.0	7.0	8.5	13.7	17.1	3.2	4.0	10.3	21.5	Brown Vertosol, GM GS	Endocalcareous-Endohypersodic, Epipedal	No
206	259	0	-	-	-	-	6.3	6.8	7.3	8.0	3.8	5.8	8.8	18.4	1.0	1.4	3.2	13.2	Black Vertosol, BP EI	Endohypersodic, Self-mulching	No
207	212	0	-	-	*	-	6.5	6.6	7.5	8.2	3.4	9.3	15.1	20.5	2.1	1.5	4.6	20.3	Black Vertosol, GM GS	Endocalcareous Epihypersodic, Epipedal	No
208	218	2	-	-	100	100	5.7	6.2	7.5	8.0	7.7	18.6	22.3	24.3	5.2	10.3	18.1	21.5	Grey Vertosol, GO GS	Epihypersodic-Endoclcareous, Epipedal	No
209	219	0	-	-	-	-	5.3	5.9	7.4	8.2	3.6	8.5	13.9	21.3	0.6	0.7	2.0	9.6	Red Sodosol, BD DP	Calcic, Mesonatric	No
210	217	1	-	-	100	-	5.9	6.6	7.5	8.3	1.5	2.7	4.2	5.7	0.6	2.0	1.0	2.3	Grey Vertosol, FZ, GS	Endocalcareous, Epipedal	No
211	220	2	-	60	60	60	4.7	4.7	4.9	4.8	1.4	1.2	1.2	1.4	0.6	0.4	0.3	0.6	Red Chromosol, DQ, BD	Mottled, Calcic	No
212	194	3	60	-	-	-	6.2	5.3	5.9	6.4	0.1	0.6	0.8	0.7	1.1	0.6	0.5	0.4	Red Vertosol, CD, GS	Haplic, epipedal	No
213	190	3	30	-	-	-	5.8	5.8	6.0	6.4	0.0	0.2	0.4	0.6	1.6	0.4	0.3	0.3	Brown Dermosol, EX, AH	Vertic, Eutrophic	No
214	155	7	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Leptic Tensosol, AR, CZ	Basic, lithic	No
215	156	3	105	60	-	60	6.2	5.3	5.0	6.0	0.2	0.2	0.3	1.0	1.9	0.6	0.4	0.3	Red Chromosol, DQ, AH	Mottled, eutrophic	No
216	251	0	-	100	-	100	7.6	7.9	8.1	8.1	2.0	4.2	9.1	14.6	2.6	2.6	6.8	11.1	Black Vertosol, BP EI	Endohypersodic, Self-mulching	No
217	250	0	-	-	-	-	6.9	6.9	7.7	8.6	2.0	2.9	10.1	17.7	1.6	1.1	1.5	4.2	Black Vertosol, GM EI	Endocalcareous-Endohypersodic, Self-mulching	No
218	249	1	-	-	*	-	6.7	6.8	7.3	7.8	4.2	7.0	9.8	12.9	6.8	5.3	6.6	7.2	Brown Vertosol, GM EI	Endocalcareous-Endohypersodic, Self-mulching	No
219	307	0	-	-	-	-	6.8	7.3	7.8	8.0	1.4	3.4	4.7	9.8	1.9	1.3	2.3	5.6	Brown Vertosol, FY GS	Epicalcareous, Epipedal	No
220	382	0	-	-	-	-	6.2	6.4	7.5	8.3	4.6	6.5	9.6	16.0	1.1	1.6	1.9	5.1	Grey Vertosol, GM, GS	Endocalcareous-Endohypersodic, Epipedal	No
221	311	0	-	-	-	-	5.4	4.9	5.8	8.4	2.4	3.2	6.6	13.9	1.1	0.6	0.6	4.7	Red Vertosol, FZ GS	Endocalcareous, Epipedal	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
222	196	1	-	-	-	-	6.2	6.5	6.9	7.2	0.5	0.9	1.2	1.9	0.4	0.7	0.6	0.8	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
223	195	1	-	-	-	-	6.2	6.3	6.7	7.1	0.6	1.1	1.3	2.6	0.5	0.5	0.5	0.6	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
224	193	0	80	-	-	-	6.0	6.2	6.6	7.3	0.4	0.7	0.6	0.8	0.6	0.6	0.5	0.9	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
225	192	2	-	-	-	-	6.1	6.1	6.8	7.5	1.2	1.4	2.0	3.3	0.6	0.4	0.5	0.9	Black Vertosol, FZ, EI	Endocalcareous ,Self-mulching	Yes
226	154	3	50	-	-	-	5.0	4.7	4.9	5.4	0.1	0.1	0.5	1.1	8.0	0.3	0.3	0.2	Red-Orthic Tenosol, AR, CZ	Basic, Lithic	No
227	114	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Red Dermosol, CD, AH	Haplic, Eutrophic	No
228	113	2	-	-	-	-	6.7	6.5	7.5	7.8	0.5	0.5	0.9	2.0	0.9	0.6	0.7	1.1	Black Vertosol, CD, GS	Haplic, Epipedal	Yes
229	209	1	-	-	-	-	7.7	7.6	7.9	8.2	0.2	0.3	0.4	1.2	2.3	5.0	2.7	2.2	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	No
230	211	0	-	-	-	-	6.9	7.5	7.9	8.1	0.1	0.2	0.4	0.8	1.0	1.2	1.4	1.5	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
231	306	0	-	-	-	-	6.9	7.3	7.4	8.2	1.3	3.1	4.1	7.9	2.2	1.4	1.1	3.2	Brown Vertosol, FZ ES	Endocalcareous, Epipedal	No
232	381	1	-	-	-	-	7.0	7.4	8.0	8.2	1.3	2.2	3.0	6.1	1.4	1.2	1.7	2.0	Grey Vertosol, FZ, EI	Endocalcareous, Self-mulching	No
233	377	1	-	-	-	-	5.5	4.5	5.9	7.4	1.4	1.0	1.9	5.2	1.0	0.5	0.3	0.5	Red Dermosol, CD, CQ	Haplic, Hypercalcic	Yes
234	198	2	-	-	-	-	5.7	6.0	6.8	7.6	0.9	1.5	1.8	2.7	0.5	0.5	0.8	1.1	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
235	199	3	100	-	-	-	6.1	6.1	6.7	7.3	0.7	1.0	1.4	2.2	0.6	0.5	0.5	0.8	Black Vertosol, CD, EI	Haplic, Self-mulching	Yes
236	200	3	-	-	-	-	6.2	6.3	6.9	7.4	0.8	1.5	2.0	3.2	0.8	0.7	0.7	0.8	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
237	111	3	-	-	-	-	5.0	4.9	6.4	7.0	0.8	0.8	1.2	2.1	1.5	1.0	0.7	0.9	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
238	112	2	-	-	-	-	6.6	6.0	6.1	6.2	0.4	0.5	0.8	1.3	1.4	0.7	0.6	0.6	Red Vertosol, FZ EI	Endocalcareous, Self-mulching	Yes
239	305	0	-	-	-	-	6.2	6.4	6.8	7.2	0.5	0.6	0.6	0.8	1.3	0.7	0.5	0.8	Black Vertosol, FZ GS	Endocalcareous, Epipedal	Yes
240	210	1	-	-	-	-	7.7	7.8	8.0	8.1	0.1	0.2	0.3	0.5	1.5	1.7	1.5	1.3	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
241	380	1	-	-	-	-	8.0	8.0	7.7	8.0	0.3	0.5	0.9	1.5	1.3	1.3	1.0	1.2	Black Vertosol, FY, EI	Epicalcareous, Self-mulching	Yes
242	379	0	-	-	-	-	6.1	6.3	7.7	8.2	0.9	1.7	2.5	4.8	0.9	1.5	1.7	1.9	Red Vertosol, FZ, EI	Endocalcareous, Self-mulching	No
243	378	0	-	-	-	-	6.0	6.1	6.9	7.4	0.6	1.1	1.9	4.0	0.9	0.9	0.6	0.8	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
244	386	2	-	73	*	73	4.5	4.4	5.4	6.5	1.4	0.5	0.7	2.7	1.6	0.3	0.2	0.3	Red Dermosol, EX, AH	Vertic, Eutrophic	No
245	383	1	-	-	-	-	4.7	5.8	6.1	8.0	2.8	5.7	7.4	11.3	0.9	0.6	0.5	2.0	Brown Vertosol, FZ, GS	Endocalcareous, Epipedal	No
246	197	3	-	-	-	-	6.1	6.5	7.0	7.4	0.7	1.3	1.8	2.8	0.4	0.5	0.6	0.9	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
247	201	4	40	-	-	-	5.9	5.8	6.2	6.2	0.5	0.3	0.3	0.3	1.1	0.6	0.5	0.5	Red Vertosol, FZ, EI	Endocalcareous, Self-mulching	No
248	118	9	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Red Dermosol, CD, AH	Haplic, Eutrophic	No
249	109	4	60	-	-	-	5.3	5.6	6.4	6.8	0.1	0.2	0.2	0.4	0.9	0.4	0.5	0.6	Red Vertosol, FZ, BH	Endocalcareous, Crusty	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
250	108	4	-	-	-	-	4.9	4.9	6.7	7.5	1.5	1.7	3.4	5.9	2.9	0.9	0.8	1.3	Brown Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
251	153	3	95	-	-	-	6.7	6.7	6.9	7.6	1.0	1.0	1.2	2.6	1.6	1.1	1.0	1.4	Black Vertosol, FZ, GS	Endocalcareous, epipedal	Yes
252	207	0	-	100	-	100	6.9	7.2	7.7	8.0	1.5	3.2	4.9	11.3	1.4	2.5	2.7	5.3	Black Vertosol, CD, EI	Haplic, Self-mulching	No
253	208	0	-	-	-	-	7.2	7.6	7.9	8.1	0.1	0.2	0.2	0.4	1.9	2.8	2.8	2.2	Brown Vertosol, FY, EI	Epicalcareous, Self-Mulching	Yes
254	301	1	-	-	-	-	5.1	5.8	5.6	6.9	0.4	0.6	0.6	0.9	1.0	0.6	0.6	0.5	Red Vertosol, FZ GS	Endocalcareous, Epipedal	Yes
255	302	1	-	-	-	-	5.2	5.2	6.4	8.3	0.5	0.6	0.9	1.8	1.7	1.2	0.6	1.4	Red Vertosol, FZ, GS	Endocalcareous, Epipedal	No
256	303	1	-	-	-	-	5.0	5.6	5.3	7.6	1.7	1.3	3.2	7.5	1.5	0.4	0.4	2.9	Brown Vertosol, FZ GS	Endocalcareous, Epipedal	No
257	304	0	-	-	-	-	5.8	5.6	6.2	8.4	1.9	2.2	4.8	7.6	1.6	0.4	1.1	5.9	Brown Vertosol, FZ, GS	Endocalcareous, Epipedal	No
258	349	1	-	-	-	-	6.6	7.1	7.1	7.8	0.5	1.9	3.1	5.2	0.9	0.9	0.6	1.7	Grey Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes
259	348	1	-	-	-	-	6.8	7.1	7.3	8.2	0.3	1.0	1.2	2.3	1.1	0.7	0.5	1.6	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	No
260	346	1	-	-	-	-	6.6	6.5	7.0	8.1	0.7	1.4	2.0	3.7	0.9	0.9	0.7	1.9	Black Vertosol, FY, EI	Epicalcareous, Self-Mulching	Yes
261	347	1	-	-	-	-	6.8	6.9	7.1	8.3	0.7	1.8	2.8	5.3	0.9	1.0	0.8	2.0	Grey Vertosol, FY, EI	Epicalcareous, Self-Mulching	No
262	385	1	-	-	-	-	5.0	5.9	7.2	8.5	2.5	9.2	11.6	13.5	0.3	0.5	1.1	4.6	Supracalcic Calcarosol, EX, DY	Vertic, Pedal	No
263	384	2	-	75	*	75	4.3	4.1	4.3	6.1	0.8	0.7	0.3	5.2	0.3	0.4	0.3	0.3	Red Chromosol, AZ, CV	Bleached-Mottled, Hypocalcic	No
264	246	2	-	-	-	-	5.6	6.2	7.1	7.5	0.2	0.6	0.8	5.1	0.5	0.3	0.4	0.6	Stratic Rudosol, BC	Calcareous	No
265	245	3	-	-	-	-	6.2	6.7	7.0	7.6	1.2	2.8	4.0	6.6	0.5	0.7	0.6	1.4	Black Vertosol, FZ GS	Endocalcareous, Epipedal	No
266	235	3	-	-	-	-	6.2	6.4	7.7	8.1	0.6	0.7	1.3	2.6	0.5	0.4	1.1	1.1	Brown Vertosol, FZ GS	Endocalcareous, Epipedal	Yes
267	204	3	-	-	-	-	6.1	6.4	6.9	8.0	2.6	1.1	1.4	2.2	2.2	0.6	0.5	1.1	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
268	202	3	-	-	-	-	7.0	6.6	6.9	7.3	0.7	2.0	2.5	3.9	1.3	1.1	0.9	1.1	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
269	117	8	120	55	-	55	5.1	5.6	5.7	6.1	0.0	0.2	0.2	0.8	2.7	0.5	0.4	0.5	Brown Vertosol, DQ, GS	Mottled, epipedal	No
270	119	6	-	-	-	-	6.4	6.2	6.5	7.3	0.2	0.5	0.8	2.3	1.2	0.7	0.6	1.1	Red Vertosol, FZ, GS	Endocalcareous, epipedal	Yes
271	110	4	-	-	-	-	6.1	6.5	7.4	7.7	0.8	1.0	1.0	1.8	2.0	5.0	1.3	1.4	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	No
272	61	3	-	-	-	-	6.3	7.3	7.9	7.9	0.4	0.4	0.7	1.5	2.1	3.3	2.5	2.1	Black Vertosol, FY, EI	Epicalcareous, Self-mulching	Yes
273	59	2	-	80	-	80	6.4	6.4	7.1	7.5	0.7	1.0	1.8	3.2	1.9	1.4	0.8	1.8	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
274	300	1	-	85	-	85	5.2	5.7	6.1	7.8	0.7	0.8	1.3	12.5	1.5	0.7	0.9	1.1	Brown Sodosol, BD ES	Calcic, Subnatric	No
275	360	1	-	-	-	-	5.3	5.6	6.6	7.9	0.9	1.7	2.5	3.9	1.3	0.7	0.6	1.8	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes
276	350	1	-	-	-	-	6.4	6.3	6.5	7.2	0.7	1.4	2.0	3.6	0.6	0.6	0.5	0.6	Grey Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
277	351	1	-	-	-	-	6.4	6.9	6.8	8.2	0.6	1.7	1.3	2.9	0.6	0.9	0.4	1.8	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	No
278	352	1	-	-	-	-	6.5	7.0	7.3	8.2	0.6	1.0	1.4	2.2	0.9	0.7	0.5	2.0	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	No
279	345	1	-	-	-	-	6.6	6.2	6.8	7.3	0.5	1.3	2.0	4.3	0.7	0.6	0.7	1.2	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
280	340	1	-	-	-	-	6.6	6.8	7.2	8.2	0.8	1.2	1.4	2.5	1.0	0.8	0.8	1.5	Black Vertosol, CD, EI	Haplic, Self-mulching	No
281	338	2	-	70	*	70	5.3	5.2	5.4	6.4	0.5	0.7	1.1	0.7	0.6	0.3	0.2	0.2	Red Chromosol, DQ, AH	Mottled, Eutrophic	No
282	359	1	-	70	*	70	5.4	4.8	5.4	5.9	0.8	1.7	2.0	2.9	1.0	0.4	0.3	0.2	Red Ferrosol, DQ, BC	Mottled, Calcareous	No
283	242	2	-	-	-	-	6.6	5.5	5.2	7.0	0.2	0.7	2.6	3.8	0.7	0.3	0.2	0.4	Red Chromosol, EX CQ	Vertic, Hypercalcic	Yes
284	243	2	-	-	-	-	6.4	6.7	7.1	8.1	0.7	2.1	3.1	5.3	0.5	0.5	0.5	1.6	Brown Vertosol, FZ GS	Endocalcareous, Epipedal	Yes
285	244	1	-	-	-	-	5.9	6.8	7.0	7.9	0.9	2.3	3.1	5.0	0.5	0.6	0.6	2.1	Brown Vertosol, FZ GS	Endocalcareous, Epipedal	Yes
286	234	3	-	-	-	-	6.1	5.6	7.2	8.1	1.0	1.6	1.8	2.2	0.8	0.5	0.5	1.3	Red Vertosol, FZ GS	Endocalcareous, Epipedal	Yes
287	203	4	100	-	-	-	6.0	6.4	7.0	7.6	0.4	1.0	0.8	0.8	1.0	1.5	1.3	1.0	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes
288	116	10	60	40	-	40	-	-	-	-	-	-	-	-	-	-	-	-	Red Ferrosol, CD, AH	Haplic, Eutrophic	No
289	115	15	120	-	-	-	5.4	5.7	6.0	6.4	0.1	0.2	0.2	0.5	1.7	0.7	0.5	0.6	Red Chromosol, CD, AH	Haplic, Eutrophic	No
290	107	5	-	-	-	-	6.8	6.8	7.6	7.7	0.6	0.6	0.8	1.6	1.1	1.2	1.0	0.9	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
291	106	5	-	-	-	-	6.4	7.3	7.9	8.0	0.4	0.6	0.7	1.4	0.9	1.3	1.7	1.7	Black Vertosol, FY, EI	Epicalcareous, Self-mulching	Yes
292	60	4	-	-	-	-	6.5	7.2	7.8	8.0	0.3	0.4	0.6	1.5	1.9	1.3	1.5	1.6	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
293	374	1	-	30	*	30	4.8	4.3	4.4	4.1	0.3	0.6	2.6	12.5	0.5	0.2	0.2	1.6	Brown Kurosol, AZ, FD	Bleached-Mottled, Natric	No
294	373	4	-	60	*	60	5.0	4.5	5.1	5.8	0.4	0.7	0.8	1.1	1.6	0.5	0.5	0.2	Brown Chromosol, AZ, AH	Bleached-Mottled, Eutrophic	No
295	361	1	-	90	*	90	5.1	4.9	5.1	5.7	0.5	0.2	0.3	0.4	2.4	0.3	0.3	0.3	Red Chromosol, EX, AH	Vertic, Eutrophic	Yes
296	362	1	-	-	-	-	5.6	6.2	6.6	7.9	0.8	1.3	1.6	2.5	0.5	0.5	0.5	1.7	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
297	363	1	-	-	-	-	5.8	6.3	6.8	7.1	0.5	1.0	1.9	2.9	0.9	0.7	1.1	0.7	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
298	364	1	-	-	-	-	5.7	6.2	7.0	8.0	0.5	1.1	1.4	2.1	0.8	0.9	0.9	1.9	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
299	344	0	-	-	-	-	6.5	7.4	7.9	8.1	0.4	0.8	1.1	1.8	0.8	0.9	1.2	1.4	Grey Vertosol, BR, EI	Epicalcareous, Self-Mulching	Yes
300	339	2	-	-	-	-	5.7	8.1	7.6	8.2	1.8	0.3	1.3	2.9	0.7	1.3	1.0	1.8	Red Vertosol, FZ, EI	Endocalcareous, Self-mulching	No
301	336	3	-	-	*	-	5.3	4.8	5.2	5.3	0.9	1.1	1.0	2.6	0.7	0.3	0.2	0.2	Brown Chromosol, CD, EX	Vertic, Eutrophic	Yes
302	337	3	-	105	*	105	5.3	5.2	5.2	5.5	0.4	0.5	1.0	1.5	0.7	0.4	0.3	0.2	Red Chromosol, CD, ET	Haplic, Subplastic	Yes
303	241	2	-	-	-	-	5.2	5.7	5.4	4.7	0.2	0.2	0.3	1.8	0.4	0.2	0.3	0.3	Brown Dermosol, EX AH	Vertic, Eutrophic	Yes
304	240		-	-	-	-	5.0	4.9	6.7	7.3	0.3	0.5	1.0	2.2	0.5	0.2	0.3	0.4	Red Chromosol, EX AH	Vertic, Eutrophic	Yes
305	239	2	-	50	*	50	5.5	5.5	6.6	7.0	0.3	0.5	1.0	3.5	0.5	0.2	0.2	0.2	Grey Vertosol, FZ GS	Endocalcareous, Epipedal	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
306	233	3	-	-	-	-	5.0	4.6	6.3	6.9	0.6	0.1	0.4	0.5	0.4	0.3	0.3	0.4	Red Chromosol, CD AH	Haplic, Eutrophic	Yes
307	231	5	-	60	*	60	5.1	5.0	6.0	6.9	0.5	0.7	0.5	0.3	0.5	0.3	0.3	0.3	Brown Dermosol, DQ AH	Mottled, Eutrophic	No
308	389	5	-	100	-	100	5.2	7.6	7.9	8.2	0.5	0.5	0.9	2.5	1.0	2.0	1.6	2.4	Brown Vertosol, FY, EI	Epicalcareous, Self-Mulching	No
309	392	8	90	-	-	-	6.1	5.8	6.2	6.6	0.2	0.2	0.5	0.6	1.0	0.5	0.5	0.3	Red Vertosol, CD, EI	Haplic, Self-mulching	Yes
310	395	6	-	-	-	-	6.8	7.6	7.6	8.1	0.3	0.6	1.0	1.9	1.0	1.2	1.0	1.8	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
311	397	4	-	-	-	-	7.1	7.1	7.5	7.9	0.3	0.5	0.8	1.7	0.9	1.2	1.0	1.4	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
312	398	3	-	-	-	-	6.3	6.6	7.1	7.8	0.3	0.6	0.9	1.7	0.9	1.0	0.6	1.0	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
313	299	2	-	50	-	50	4.8	5.1	5.5	5.7	0.2	0.3	1.4	4.0	0.8	0.3	0.3	0.3	Brown Chromosol, DQ AH	Mottled, Eutrophic	No
314	376	3	-	-	-	-	5.9	5.2	7.4	7.3	0.1	0.3	0.2	0.3	2.0	1.1	2.3	0.9	Arenic Rudosol, AR	Basic	No
315	372	8	-	85	*	85	6.0	7.2	8.0	7.9	0.4	0.4	0.1	0.0	1.2	1.0	1.0	1.0	Clastic Rudosol, BC, HI	Calcareous, Colluvic	No
316	367	1	-	-	-	-	5.7	5.9	6.6	7.2	0.6	1.3	1.8	3.9	0.8	1.0	0.7	0.8	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes
317	366	1	-	-	-	-	5.9	6.4	6.8	7.1	0.4	0.7	1.0	2.1	0.8	0.8	0.9	1.0	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
318	365	1	-	-	-	-	5.8	6.3	7.0	7.2	0.4	0.8	1.3	2.3	1.2	1.0	0.8	0.7	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes
319	343	1	-	-	-	-	6.7	6.6	7.3	8.0	0.8	1.2	2.0	3.7	1.1	0.7	0.7	1.4	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
320	334	2	-	95	-	95	5.6	6.7	6.6	8.1	0.1	0.1	0.2	0.2	0.4	0.4	0.3	1.1	Red Dermosol, EX, BC	Vertic, Hypercalcic	Yes
321	335	2	-	55	-	55	6.5	5.7	5.7	6.7	0.4	0.2	0.3	0.1	1.7	0.3	0.2	0.2	Brown Chromosol, AH, DQ	Eutrophic, Mottled	No
322	355	2	-	-	-	-	5.2	4.5	5.0	6.0	0.3	0.4	0.3	0.2	0.7	0.5	0.1	0.2	Stratic Rudosol, AR	Basic	No
323	236	2	-	80	*	80	5.3	5.3	5.4	6.0	0.9	0.3	0.3	0.8	0.7	0.4	0.3	0.2	Brown Chromosol, CD AH	Haplic, Eutrophic	Yes
324	237	2	-	-	-	-	5.5	5.3	5.8	6.1	0.3	0.2	0.5	1.0	1.2	0.5	0.2	0.2	Red Chromosol, CD BD	Haplic, Calcic	Yes
325	238	3	-	-			4.9	5.0	6.6	7.6	0.5	1.1	2.1	3.9	0.3	0.4	0.5	0.7	Red Vertosol, FZ GS	Endocalcareous, Epipedal	Yes
326	232	6	-	60	*	60	5.4	5.1	5.6	6.7	0.6	1.1	0.9	0.4	0.8	0.6	0.3	0.2	Brown Chromosol, DQ, BD	Mottled, Calcic	No
327	388	16	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Leptic Tenosol, AR, CZ	Basic, Lithic	No
328	390	7	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Leptic Tenosol, AR, CZ	Basic, Lithic	No
329	393	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	No
330	396	6	-	-	-	-	6.0	6.1	6.9	8.0	0.4	0.8	1.2	1.8	0.9	0.8	0.5	2.2	Red Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
331	400	4	-	-	-	-	6.7	7.5	7.8	8.1	0.6	0.8	1.2	3.1	0.7	1.5	1.5	1.7	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
332	399	3	-	-	-	-	6.1	6.2	6.6	7.0	0.6	0.9	1.2	2.3	0.7	0.5	0.5	0.4	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
333	404	2	-	-	-	-	5.3	5.8	6.5	6.9	0.5	0.6	0.8	1.5	0.9	0.5	0.4	0.7	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
334	375	2	-	-	-	-	5.3	5.5	6.1	6.3	0.2	0.2	0.2	0.2	0.6	0.4	0.2	0.2	Red Dermosol, CD, AH	Haplic, Eutrophic	Yes

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
335	371	9	90	50	*	50	5.6	4.8	5.2	5.4	0.2	0.2	0.3	0.2	1.0	0.4	0.2	0.2	Red Dermosol, CD, AG	Haplic, Mesotrophic	No
336	370	4	110	-	-	-	5.0	4.4	4.1	4.1	0.6	0.7	0.5	1.1	0.4	0.4	0.3	0.2	Red Ferrosol, AI, AH	Acidic, Eutrophic	No
337	368	0	-	-	-	-	5.6	6.1	6.5	7.3	0.6	1.0	1.3	2.5	0.9	0.7	0.5	1.2	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes
338	369	1	-	-	-	-	6.0	6.9	7.7	8.0	0.4	0.6	0.8	1.2	0.8	0.8	1.2	1.6	Black Vertosol, FY, EI	Epicalcareous, Self-Mulching	Yes
339	342	2	-	-	-	-	6.6	6.8	7.3	8.1	0.4	0.8	1.1	2.8	1.0	0.5	0.5	1.3	Black Vertosol, FZ, GS	Endocalcareous, Epipedal	Yes
340	341	0	-	-	-	-	7.6	7.8	7.9	8.0	0.1	0.3	0.4	0.8	1.4	1.1	1.1	1.3	Black Vertosol, FZ, EI	Endocalcareous, Self-mulching	Yes
341	333	1	-	78	-	78	5.7	5.7	5.9	6.1	0.3	0.9	0.7	0.5	0.5	0.3	0.2	0.3	Red Dermosol, BD, CQ	Haplic, Hypercalcic	Yes
342	353	2	-	77	*	77	5.5	5.1	5.6	7.4	0.3	0.4	0.5	1.0	0.4	0.2	0.3	0.4	Red Chromosol, DQ, AH	Mottled, Eutrophic	Yes
343	354	2	-	80	*	80	5.2	5.1	5.4	6.2	0.2	0.4	0.4	0.1	0.4	0.3	0.1	0.1	Red Dermosol, DQ, AH	Mottled, Eutrophic	Yes
344	356	4	-	42	*	42	5.5	5.3	5.4	6.3	0.1	0.2	0.2	0.6	0.5	0.3	0.2	0.3	Brown Dermosol, DQ, AH	Mottled, Eutrophic	No
345	357	5	-	58	*	58	5.3	5.3	5.8	6.3	0.1	0.2	0.1	0.2	1.4	0.7	0.2	0.5	Stratic Rudosol, BC	Calcareous	No
346	358	10	-	55	-	55	7.1	6.9	6.9	7.0	0.1	0.1	0.1	0.4	2.3	1.2	1.1	0.7	Red Chromosol, DQ, BD	Mottled, Calcic	No
347	387	15	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Brown Kurosol, CD, AH	Haplic, Eutrophic	No
348	391	5	-	85	-	85	7.0	6.3	7.6	8.5	1.4	1.6	2.4	9.0	4.1	0.8	2.0	5.3	Grey Vertosol, FZ, GS	Endocalcareous, Epipedal	No
349	394	14	-	70	-	70	-	-	-	-	-	-	-	-	-	-	-	-	Red Vertosol, FZ, GS	Endocalcareous, Epipedal	No
350	401	7	-	-	-	-	7.3	7.8	8.1	8.4	0.9	1.2	1.6	4.1	1.5	1.6	1.7	2.0	Grey Vertosol, FY, EI	Epicalcareous, Self-Mulching	No
351	402	3	-	70	*	70	5.9	6.1	6.4	6.9	0.2	0.2	0.3	0.5	0.9	0.5	0.3	0.9	Stratic Rudosol, BC	Calcareous	No
352	403	2	-	-	-	-	7.4	7.9	8.0	8.0	0.2	0.1	0.2	0.2	1.1	1.6	2.0	2.8	Stratic Rudosol, BC	Calcareous	No
353	279	0	-	-	-	-	7.5	7.6	7.7	8.1	3.4	4.3	6.1	9.0	1.1	1.0	1.1	1.9	Black Vertosol, GM, EI	Endocalcareous-Endohypersodic, Self-mulching	No
354	280	0	60	60	60	60	5.0	4.8	4.7	4.7	3.0	4.0	2.7	3.4	0.8	0.8	0.3	0.3	Brown Dermosol, DC AH	Manganic, Eutrophic	No
355	296	3	-	50	100	50	6.1	5.2	5.2	5.9	0.1	0.2	0.6	1.4	0.7	0.3	0.3	0.3	Red Chromosol, DC BD	Manganic, Calcic	No
356	282	0	-	-	-	-	7.5	6.5	7.1	7.6	6.7	7.1	10.8	16.7	1.3	0.9	1.5	4.0	Aquic Vertosol, GM, GS	Endocalcareous-Endohypersodic, Epipedal	No
357	281	0	-	-	-	-	7.7	8.0	8.2	8.4	4.7	5.0	7.1	10.8	1.8	1.8	2.1	2.7	Black Vertosol, GM, EI	Endocalcareous-Endohypersodic, Self-mulching	No
358	294	3	-	-	*		5.2	4.9	7.3	8.3	1.0	0.9	3.6	5.2	1.5	0.4	0.6	1.9	Red Chromosol, DC BD	Manganic, Calcic	No
359	295	2	120	60	*	60	5.4	4.8	4.8	5.4	0.2	0.2	0.1	0.4	0.5	0.3	0.3	0.2	Brown Chromosol, DQ AH	Mottled, Eutrophic	No
360	125	0.5	-	-	-	-	5.6	5.6	6.6	8.2	1.0	2.4	3.8	6.6	0.7	0.8	0.5	1.5	Brown Vertosol, FZ, GS	Endocalcareous, epipedal	No
361	283	1	-	-	-	-	5.7	6.4	7.3	8.3	3.3	4.0	5.5	5.8	0.4	0.5	0.9	2.4	Brown Vertosol, FZ GS	Endocalcareous, Epipedal	No
362	284	0	-	-	-	-	6.2	6.3	6.7	7.1	1.6	1.1	1.5	2.5	0.7	0.5	0.5	0.6	Black Vertosol, FZ GS	Endocalcareous, Epipedal	Yes

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
363	285	2	100	60	60	60	4.8	4.9	5.4	7.9	0.6	0.6	0.5	0.7	0.4	0.4	0.3	1.2	Brown Chromosol, DC BD	Manganic, Calcic	No
364	293	2	-	60	100	60	5.1	5.3	5.9	6.5	0.2	0.2	0.3	0.9	0.4	0.4	0.3	0.3	Brown Chromosol, DQ BD	Mottled, Calcic	No
365	292	2	30	-	*		5.2	5.1	5.2	5.8	0.2	0.2	0.2	0.5	0.7	0.7	0.5	0.3	Clastic Rudosol, BC, HI	Calcareous, Colluvic	No
366	124	0.5	-	-	-	-	5.9	5.8	6.0	7.8	0.5	0.4	0.4	0.2	1.0	0.9	0.7	1.3	Brown Vertosol, FZ, GS	Endocalcareous, epipedal	Yes
367	126	0	-	-	-	-	6.6	6.6	7.2	8.2	1.7	2.6	4.1	9.3	0.9	0.9	0.7	2.0	Brown Vertosol, FZ, GS	Endocalcarerous, epipedal	No
368	286	1	-	-	-	-	5.3	6.2	6.5	7.1	0.9	1.6	2.4	4.2	0.6	0.4	0.5	0.7	Brown Vertosol, FZ GS	Endocalcareous, Epipedal	Yes
369	287	7	-	-	*	-	5.2	5.3	5.9	7.7	1.1	0.3	0.6	0.8	1.0	0.7	0.3	1.1	Brown Chromosol, EX BD	Vertic, Calcic	Yes
370	290	8	0	-	*	-	5.6	5.5	5.7	6.6	0.2	0.2	0.3	0.6	1.6	0.9	0.3	0.3	Clastic Rudosol, AR, HI	Basic, Colluvic	No
371	291	5	110	75	-	75	5.7	5.5	5.7	6.2	0.2	0.1	0.2	0.4	0.8	0.6	0.3	0.3	Clastic Rudosol, BC, HI	Calcareous, Colluvic	No
372	278	1	-	-	-	-	6.1	6.3	7.0	8.1	0.8	1.6	2.0	2.5	0.5	0.6	0.6	1.2	Brown Vertosol, FY BH	Epicalcareous, Crusty	Yes
373	123	0	-	-	-	-	6.0	6.1	6.8	8.6	6.3	7.6	11.8	17.6	1.1	1.2	1.7	4.5	Brown Vertosol, GM, GS	Endocalcareous-endohypersodic, epipedal	No
374	127	0	-	-	-	-	5.3	5.3	6.2	7.5	1.6	2.4	7.0	10.2	0.6	0.5	0.4	0.7	Brown Sodosol, BD, ES	Calcic, subnatric	No
375	289	3	60	60	*	60	5.2	5.0	5.2	5.9	0.2	0.3	0.4	1.3	0.6	0.4	0.2	0.5	Brown Dermosol, DQ AH	Mottled, Eutrophic	No
376	288	11	50	-	-	-	5.9	5.2	7.0	6.9	0.2	0.1	0.2	0.3	3.9	2.9	2.3	1.0	Brown Chromosol, CD AH	Haplic, Eutrophic	No
377	138	7	70	50	-	50	-	-	-	-	-	-	-	-	-	-	-	-	Red Dermosol, DQ, AH	Mottled, Eutrophic	No
378	139	4	-	-	-	-	5.7	5.3	5.4	6.1	0.1	0.2	0.2	0.2	0.8	0.6	0.3	0.1	Brown Dermosol, CD, AH	Haplic, Eutrophic	Yes
379	120	0.5	-	50	-	50	7.0	7.1	7.2	8.1	3.5	3.8	7.2	14.6	1.0	1.4	1.3	3.2	Black Vertosol, GM, EI	Endocalcareous-endohypersodic, self-mulching	No
380	130	5	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Leptic Tensosol, AR, CZ	Basic , Lithic	No
381	152	8	70	48	-	48	5.0	5.1	5.4	6.2	0.1	0.2	0.1	0.3	1.7	0.5	0.3	0.4	Red Dermosol, CD, AH	Haplic, eutrophic	No
382	151	8	80	50	*	50	5.6	5.8	5.9	6.4	0.1	0.1	0.1	0.1	0.8	0.4	0.4	0.3	Brown Dermosol, DQ, AH	Mottled, eutrophic	No
383	146	3	110	60	-	60	5.4	5.7	6.0	6.3	0.1	0.1	0.1	0.1	0.7	0.4	0.3	0.2	Brown Chromosol, DQ, AH	Mottled, eutrophic	No
384	145	9	105	50	-	50	5.8	5.6	5.7	5.8	0.2	0.1	0.1	0.1	0.8	0.4	0.3	0.2	Brown Chromosol, DQ, AH	Mottled, eutrophic	No
385	140	4	-	35	-	35	5.8	5.2	5.6	6.3	0.1	0.2	0.3	0.2	1.5	0.7	0.4	0.2	Brown Chromosol, DQ, AH	Mottled, Eutrophic	No
386	143	2	-	60	-	60	5.5	5.8	6.2	6.3	0.3	0.3	0.3	0.6	1.5	0.7	0.3	0.4	Brown Chromosol, DQ, AH	Mottled, eutrophic	No
387	128	0	-	-	-	-	6.2	6.0	6.9	7.7	1.6	1.7	2.8	6.6	1.6	0.9	0.7	1.6	Black Vertosol, FZ, GS	Endocalcareous, epipedal	No
388	131	1	-	-	-	-	7.7	6.9	7.0	8.0	1.5	7.3	8.9	15.6	1.7	1.8	1.9	6.8	Black Vertosol, GM, BH	Endocalcareous-endohypersodic, crusty	No
389	136	1	85	65	-	65	5.5	5.6	5.7	6.1	0.4	0.2	0.2	0.1	1.1	0.4	0.3	0.3	Red Dermosol, CD, AH	Haplic, Eutrophic	No
390	147	9	100	65	-	65	5.4	4.9	4.9	5.2	0.1	0.1	0.2	0.1	0.4	0.3	0.2	0.1	Brown Dermosol, DQ, AH	Mottled, eutrophic	No

Map ID Feb '14	Field Photo ID	Slope (%)	Physical Barrier	Waterlogging			Chemical Barrier												Australian Soil Classification		BSAL
			Depth to Rock (cm)	Depth Mottles (cm)	Depth to Mn (cm) * = Mn nodules present but <20%	Depth waterlogged layer	pH $CaCl_2$				ESP				Salinity (ECe, dS/m)				ASC: Fertility Status	Subgroup, Great group	
							0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm	0-5 cm	5-15 cm	15-30 cm	30-60 cm			
391	141	12	-	100	100	100	5.6	6.5	8.2	8.5	0.1	0.2	0.6	3.0	0.6	0.5	1.0	1.4	Red Vertosol, FY, GS	Epicalcareous, epipedal	No
392	144	5	-	45	-	45	5.1	5.2	5.6	6.9	0.2	0.4	0.9	3.4	1.2	0.5	0.3	0.7	Brown Chromosol, EX, BD	Vertic, Calcic	No
393	129	1	-	-	-	-	7.3	6.3	6.8	8.1	2.6	6.5	8.0	19.7	2.7	1.2	1.2	7.1	Black Vertosol, GM, GS	Endocalcareous-endohypersodic, epipedal	No
394	132	0	-	-	-	-	7.9	6.4	6.9	8.1	1.1	2.6	5.1	8.5	1.7	0.7	0.5	1.7	Grey Vertosol, FZ, BH	Endocalcareous, crusty	No
395	121	0	-	-	-	-	6.6	7.0	8.6	8.4	3.9	7.7	19.5	17.9	1.0	1.3	6.0	5.0	Black Vertosol, GO, ES	Endohypersodic-endocalcareous, epipedal	No
396	137	4	60	25	-	25	-	-	-	-	-	-	-	-	-	-	-	-	Grey Chromosol, DQ, AH	Mottled, Eutrophic	No
397	148	3	90	-	-	-	5.6	4.8	4.5	4.3	0.1	0.2	0.3	0.9	2.3	0.7	0.4	0.2	Red Dermosol, AI, AH	Acidic, mesotrophic	No
398	142	0.5	-	-	-	-	7.4	7.3	7.7	8.1	2.6	2.5	4.8	10.0	1.6	1.6	1.6	3.1	Black Vertosol, FY, EI	Epicalcareous, Self-mulching	No
399	133	0.5	-	-	-	-	5.6	6.4	7.2	8.1	1.8	4.3	6.8	11.3	0.8	0.4	0.8	2.9	Brown Vertosol, FZ, BH	Endocalcareous, crusty	No
400	122	0	-	-	-	-	8.1	8.2	8.4	9.0	5.4	8.4	12.6	32.1	1.8	2.3	2.3	4.9	Grey Vertosol, GB, GS	Epicalcareous-Endohypersodic, Epipedal	No
401	134	7	-	50	-	50	5.1	5.7	5.5	5.7	0.1	1.2	0.1	0.2	0.6	0.5	0.3	0.3	Red Dermosol, DQ, AH	Mottled, Eutrophic	No
402	150	2	75	55	-	55	5.5	5.3	4.8	4.5	0.2	0.3	0.3	0.2	1.0	0.6	0.3	0.1	Red Dermosol, CD, AG	Haplic, mesotrophic	No
403	149	8	90	-	-	-	5.1	4.3	4.1	4.3	0.2	0.3	0.4	0.5	0.7	0.3	0.3	0.1	Red Kurosol, CD, AG	Haplic, mesotrophic	No
404	135	0	-	-	-	-	7.4	8.3	8.6	8.9	6.0	10.8	16.4	28.5	0.8	1.9	3.0	5.0	Grey Vertosol, FM, BH	Epicalcareous-endohypersodic, crusty	No

Colour Codes:

Slope		Physical Barrier		Waterlogging		pH		ESP		Salinity		ASC: Fertility Status		BSAL	
	<5%		<75 cm		<75 cm		<4.5, >8.1		>6		>4		Low/Moderately Low		Yes
	5-10%	No shading	>75 cm	No shading	>75 cm	No shading	4.5 > 8.1	No shading	<6	No shading	<4		Moderate		No
	>10%												Moderately High/High		

Appendix 9. LSC Methodology

The LSC Assessment Scheme (OEH 2012b) aims to provide a reliable assessment of the potential of the land to support a range of sustainable land uses and land management practices.

A decision table is presented to identify hazards and limitations used in the scheme. The hazards are scored based on the following methodology:

Slope class

Slope % (Field assessment)	Slope (LSC) class
<1	1
1 to <3	2
3 to <10	3
10 to <20	4

Water erosion

Water erosion LSC class is determined by slope class % figures using the Eastern and Central divisions as per OEH scheme criteria.

Wind Erosion

Factors used to assess wind erosion include surface soil texture, site exposure to prevailing winds, wind erosive power and average annual rainfall across the test site. For the purpose of this report site exposure to prevailing winds and wind erosive power is assumed to be moderate across all test sites due to lack of consistent information for all test site positions.

Soil Structural Decline

Poor soil structure limits over all plant growth through poor germination and root growth, low infiltration and impeding mechanical processes. The LSC classification assesses the nature of the surface soil using surface texture, degree of sodicity and degree of self-mulching. For the purpose of this report soil structural decline is determined by SOILpak score of the surface layer. The SOILpak method (Murphy *et al.* 2013, McKenzie 2013) relates to soil structural form, stability in water and resilience and is therefore a compatible method for indicating soil structural decline.

LSC Class	SOILpak Score
1	> 1.5 (Including self-mulching
2	1.1 - 1.5
4	0.6 - 1.0
6	< 0.6

Soil acidification hazard

Soil acidification is determined by firstly estimating buffering capacity. For the purpose of this report, buffering capacity was determined by surface soil texture.

Surface soil texture	Buffering Capacity
Sands and sandy loams – no calcium carbonate	Very Low
Sands and sandy loams – with calcium carbonate	Moderate
Fine sandy loams – no calcium carbonate	Low
Fine sandy loams – with calcium carbonate	Moderate
Loams and clay loams – no calcium carbonate	Moderate
Loams and clay loams – with calcium carbonate	High
Dark loams and clay loams	High
Clays – no calcium carbonate	High
Clays – with calcium carbonate	Very High
Clays – with high shrink–swell	Very High

Buffering capacity is then used to determine soil acidification hazard:

Texture/Buffering Capacity	pH ($CaCl_2$) of soil surface				
	<4.0	4.0 – 4.7	4.7 – 6.0	6.0 – 7.5	>7.5
Very Low	6	5	5	4	n/a
Low	5	5	4	3	n/a
Moderate	5	4	3	3	1
High	n/a	n/a	2	2	1
Very High	n/a	n/a	1	1	1

Salinity Hazard

Two contrasting ways of processing the salinity data are presented:

1. Salt sensitive scenario; Use of Table A shown below with 60-100 cm ECe data;
2. Salt tolerant scenario; Use of Table B shown below with 30-60 cm ECe data.

A. Thresholds for salt-sensitive crops and pastures:

LSC Class	*ECe dS/m*
1	<1
2	1 - 2
3	2.1 - 4
4	4.1 - 8
5	8.1 - 12
6	12.1 - 16
7	16.1 - 30
8	>30

B. Thresholds for salt-tolerant crops and pastures:

LSC Class	*ECe dS/m*
1	<2
2	2-4
3	4.1-8
4	8.1-12
5	12.1-16
6	16.1-30
7	>30

This replaced the inadequate regional approach to salinity assessment presented in the LSC guidelines.

Waterlogging

LSC waterlogging class was determined using site specific information about depth to a layer with mottling and/or presence of a manganic layer (manganiferous nodules/segregations >20%).

LSC Class	Depth to Waterlogging cm
1	None
2	≥ 100
3	75 - <100
4	50 - <75
6	25 - <50
7	<25

Shallow soils and rockiness

Rock outcrop presence was negligible. Therefore, the rating was based entirely on the following depths of soil to a layer with >90% rock:

LSC Class	Soil depth (cm)
1	No rock encountered
2	>100
3	75 - <100
4	50 - <75
6	25 - <50
7	0 - <25

Mass Movement

Soil pit sites within the project did not exhibit evidence of mass movement. A LSC class of 1 was therefore given for each site.

Appendix 10a. LSC Assessment Matrix - Salt Sensitive Scenario

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
1	C318	0	1	1	2	2	1	6	1	1	1	6
2	C319	3	3	3	3	4	5	1	6	1	1	6
3	C325	7	3	3	3	2	5	1	3	2	1	5
4	C326	0	1	1	3	2	5	3	1	1	1	5
5	C320	1	2	2	3	2	5	2	6	1	1	6
6	C327	0	1	1	3	2	5	1	3	1	1	5
7	C328	0	1	1	2	1	3	2	6	6	1	6
8	C321	1	2	2	2	6	3	1	4	1	1	6
9	C324	0	1	1	2	2	2	2	3	2	1	3
10	C323	3	3	3	2	4	3	1	3	1	1	4
11	C322	2	2	2	2	4	3	2	1	1	1	4
12	C87	2	2	2	2	1	3	2	1	3	1	3
13	C86	4	3	3	2	1	3	1	4	1	1	4
14	C189	10	3	3	3	1	5	1	4	3	1	5
15	C84	5	3	3	2	1	3	1	4	1	1	4
16	C83	5	3	3	2	1	3	2	4	7	1	7
17	C82	4	3	3	2	1	3	1	6	3	1	6
18	C188	1	2	2	3	1	5	1	1	6	1	6
19	C181	4	3	3	3	1	4	n/a	4	4	1	4
20	C85	6	3	3	2	1	3	1	6	1	1	6
21	C81	4	3	3	2	1	1	1	1	3	1	3
22	C80	7	3	3	2	1	1	1	6	4	1	6
23	C88	2	2	2	2	1	1	3	1	3	1	3
24	C184	5	3	3	3	1	1	1	4	3	1	4
25	C187	5	3	3	3	1	5	1	1	2	1	5
26	C182	5	3	3	3	1	4	1	1	2	1	4
27	C180	6	3	3	3	1	4	1	4	2	1	4
28	C75	6	3	3	3	1	4	1	6	2	1	6
29	C79	1	2	2	2	1	1	4	1	1	1	4
30	C183	3	3	3	3	1	5	1	6	1	1	6
31	C175	9	3	3	3	1	5	1	1	2	1	5
32	C74	7	3	3	2	1	3	1	1	1	1	3
33	C78	1	2	2	2	1	1	5	1	1	1	5
34	C178	3	3	3	2	1	3	1	4	2	1	4
35	C73	2	2	2	3	1	3	1	6	1	1	6
36	C72	1	2	2	2	1	3	1	4	1	1	4
37	C329	0	1	1	2	4	1	3	1	1	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
38	C26	2	2	2	2	2	3	4	1	1	1	4
39	C28	8	3	3	3	1	n/a	n/a	1	4	1	4
40	C186	12	4	4	3	1	5	1	1	3	1	5
41	C185	6	3	3	2	1	3	1	4	3	1	4
42	C174	5	3	3	2	1	n/a	n/a	6	6	1	6
43	C177	7	3	3	3	1	5	1	1	2	1	5
44	C71	5	3	3	3	1	4	1	4	3	1	4
45	C77	1	2	2	2	1	1	5	1	1	1	5
46	C25	0.5	1	1	2	2	1	4	1	1	1	4
47	C24	0.5	1	1	2	2	1	4	1	1	1	4
48	C27	2	2	2	2	4	1	2	1	1	1	4
49	C29	3	3	3	2	4	2	2	6	2	1	6
50	C97	7	3	3	2	1	3	1	4	6	1	6
51	C96	6	3	3	2	1	3	1	6	6	1	6
52	C172	7	3	3	3	1	5	1	4	2	1	5
53	C89	3	3	3	3	1	5	1	7	1	1	7
54	C176	6	3	3	2	1	3	1	6	3	1	6
55	C70	5	3	3	2	1	3	1	6	1	1	6
56	C76	0	1	1	2	1	2	4	2	1	1	4
57	C330	0	1	1	2	4	1	5	1	1	1	5
58	C331	0	1	1	2	6	1	4	1	1	1	6
59	C23	1	2	2	2	1	1	6	1	1	1	6
60	C22	1	2	2	2	1	1	6	1	1	1	6
61	C30	0.5	1	1	2	4	1	3	1	1	1	4
62	C261	2	2	2	2	2	3	3	1	1	1	3
63	C173	3	3	3	3	1	5	1	6	1	1	6
64	C95	7	3	3	2	1	2	1	4	7	1	7
65	C90	3	3	3	3	1	5	3	7	2	1	7
66	C179	3	3	3	3	1	5	1	3	1	1	5
67	C69	5	3	3	3	1	3	1	4	1	1	4
68	C309	2	2	2	2	1	3	1	3	1	1	3
69	C308	1	2	2	2	1	3	2	4	1	1	4
70	C68	1	2	2	2	1	1	4	1	1	1	4
71	C310	0	1	1	2	4	1	5	1	1	1	5
72	C332	0	1	1	2	2	1	4	1	1	1	4
73	C32	5	3	3	2	1	n/a	n/a	6	4	1	6
74	C31	5	3	3	2	1	3	1	6	1	1	6
75	C260	0	1	1	2	1	3	4	1	1	1	4
76	C98	1	2	2	2	1	n/a	n/a	4	4	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
77	C94	1	2	2	2	1	3	1	6	1	1	6
78	C93	0	1	1	2	1	n/a	n/a	6	4	1	6
79	C91	7	3	3	3	1	5	1	4	1	1	5
80	C171	12	4	4	2	1	3	1	6	3	1	6
81	C66	6	3	3	3	1	4	1	7	1	1	7
82	C67	9	3	3	3	1	4	1	6	2	1	6
83	C314	0	1	1	2	4	1	3	1	1	1	4
84	C315	0	1	1	2	6	1	3	1	1	1	6
85	C46	0	1	1	2	2	1	7	1	1	1	7
86	C102	0	1	1	2	1	n/a	2	6	2	1	6
87	C92	9	3	3	3	1	5	1	4	1	1	5
88	C65	5	3	3	3	1	4	1	6	1	1	6
89	C64	4	3	3	2	1	n/a	n/a	6	4	1	6
90	C63	0	1	1	2	1	3	2	4	2	1	4
91	C313	0	1	1	2	2	1	4	1	1	1	4
92	C36	2	2	2	2	1	1	4	1	1	1	4
93	C33	1	2	2	2	1	n/a	n/a	1	4	1	4
94	C101	5	3	3	3	1	4	1	4	3	1	4
95	C103	3	3	3	3	1	5	1	4	1	1	5
96	C104	3	3	3	3	1	5	1	6	1	1	6
97	C170	2	2	2	2	1	n/a	n/a	1	4	1	4
98	C273	3	3	3	3	2	5	1	4	2	1	5
99	C272	5	3	3	3	1	4	1	4	4	1	4
100	C271	5	3	3	3	1	4	1	4	2	1	4
101	C62	3	3	3	3	1	3	1	6	1	1	6
102	C270	6	3	3	3	1	4	1	4	2	1	4
103	C277	0	1	1	2	1	1	4	1	1	1	4
104	C45	5	3	3	2	2	1	6	1	1	1	6
105	C37	1	2	2	2	1	1	4	1	1	1	4
106	C35	7	3	3	2	1	3	3	4	1	1	4
107	C34	7	3	3	2	1	3	1	1	3	1	3
108	C100	4	3	3	3	1	4	1	4	4	1	4
109	C99	4	3	3	3	1	4	1	6	4	1	6
110	C105	3	3	3	3	1	5	1	4	2	1	5
111	C274	5	3	3	3	1	5	1	4	2	1	5
112	C275	9	3	3	2	1	2	1	4	2	1	4
113	C276	2	2	2	3	1	5	1	4	2	1	5
114	C312	0	1	1	2	6	1	5	4	1	1	6
115	C44	3	3	3	2	1	1	7	1	2	1	7

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
116	C38	3	3	3	2	2	3	3	4	1	1	4
117	C39	6	3	3	3	1	4	1	4	1	1	4
118	C163	8	3	3	3	1	5	1	1	3	1	5
119	C165	3	3	3	2	1	3	1	1	3	1	3
120	C162	3	3	3	2	1	3	1	1	2	1	3
121	C169	5	3	3	2	1	4	1	4	2	1	4
122	C298	12	4	4	3	1	5	1	4	2	1	5
123	C157	4	3	3	3	1	5	3	6	1	1	6
124	C297	2	2	2	3	1	5	3	6	1	1	6
125	C40	1	2	2	2	1	3	3	1	2	1	3
126	C41	5	3	3	3	1	n/a	n/a	1	4	1	4
127	C164	5	3	3	3	1	5	1	6	3	1	6
128	C168	4	3	3	3	1	5	1	4	2	1	5
129	C58	6	3	3	3	1	n/a	n/a	1	7	1	7
130	C2	8	3	3	2	2	4	1	4	2	1	4
131	C158	4	3	3	3	1	5	1	6	4	1	6
132	C159	4	3	3	3	1	5	1	1	3	1	5
133	C161	8	3	3	3	1	5	1	4	1	1	5
134	C160	3	3	3	2	1	3	1	4	2	1	4
135	C262	7	3	3	3	1	4	1	4	4	1	4
136	C263	0	1	1	2	1	5	5	1	1	1	5
137	C267	1	2	2	2	1	1	4	1	1	1	4
138	C43	2	2	2	2	1	2	5	4	1	1	5
139	C42	2	2	2	3	1	5	5	6	1	1	6
140	C166	4	3	3	3	1	4	1	4	3	1	4
141	C57	4	3	3	3	1	5	1	6	1	1	6
142	C1	1	2	2	2	4	2	6	1	1	1	6
143	C264	1	2	2	2	1	4	1	1	2	1	4
144	C265	0	1	1	2	1	1	4	1	1	1	4
145	C266	0	1	1	2	1	1	7	1	1	1	7
146	C317	1	2	2	2	4	1	7	1	1	1	7
147	C47	3	3	3	2	1	1	4	4	2	1	4
148	C48	3	3	3	2	1	2	5	4	1	1	5
149	C19	7	3	3	3	1	5	1	4	3	1	5
150	C20	5	3	3	2	1	4	1	4	3	1	4
151	C21	6	3	3	3	1	n/a	n/a	1	4	1	4
152	C56	5	3	3	3	2	n/a	n/a	6	4	1	6
153	C55	5	3	3	3	1	4	2	4	2	1	4
154	C3	4	3	3	2	1	3	2	4	2	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
155	C268	1	2	2	2	1	1	4	1	1	1	4
156	C269	1	2	2	2	1	1	2	1	1	1	2
157	C316	1	2	2	2	6	1	7	1	1	1	7
158	C50	0	1	1	2	1	1	8	1	1	1	8
159	C54	0.5	1	1	2	1	1	7	1	1	1	7
160	C53	5	3	3	2	1	1	7	1	1	1	7
161	C49	3	3	3	3	2	4	1	4	1	1	4
162	C18	4	3	3	2	1	4	3	4	1	1	4
163	C9	4	3	3	3	1	5	1	4	3	1	5
164	C8	3	3	3	3	1	5	2	1	1	1	5
165	C5	2	2	2	2	1	4	2	4	2	1	4
166	C167	4	3	3	5	1	n/a	n/a	5	4	1	5
167	C4	5	3	3	2	1	3	1	4	3	1	4
168	C51	0	1	1	2	1	1	7	1	1	1	7
169	C52	0	1	1	2	1	1	7	1	1	1	7
170	C10	2	2	2	2	2	3	4	1	1	1	4
171	C11	5	3	3	2	1	n/a	n/a	1	6	1	6
172	C7	3	3	3	3	2	4	2	2	2	1	4
173	C6	3	3	3	2	1	3	2	3	1	1	3
174	C17	2	2	2	2	2	4	2	4	2	1	4
175	C16	5	3	3	2	1	n/a	n/a	1	4	1	4
176	C12	4	3	3	2	2	3	1	1	3	1	3
177	C15	4	3	3	2	4	2	2	1	1	1	4
178	C229	2	2	2	2	1	1	1	1	1	1	2
179	C13	3	3	3	2	1	4	3	1	1	1	4
180	C228	3	3	3	3	1	5	1	4	4	1	5
181	C14	4	3	3	3	2	5	1	4	3	1	5
182	C254	0	1	1	2	1	1	7	1	1	1	7
183	C255	0	1	1	2	1	1	7	1	1	1	7
184	C256	1	2	2	2	1	1	4	1	4	1	4
185	C216	2	2	2	2	1	3	3	4	2	1	4
186	C222	3	3	3	3	1	5	1	1	4	1	5
187	C223	3	3	3	3	1	5	2	2	1	1	5
188	C224	2	2	2	3	1	5	2	4	2	1	5
189	C225	3	3	3	2	1	3	3	4	2	1	4
190	C205	2	2	2	2	1	2	1	2	1	1	2
191	C230	5	3	3	3	1	5	1	4	2	1	5
192	C227	6	3	3	3	1	5	1	4	3	1	5
193	C253	0	1	1	2	2	1	6	1	1	1	6

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
194	C248	0	1	1	2	1	1	6	1	1	1	6
195	C258	0	1	1	2	1	1	7	1	1	1	7
196	C213	0	1	1	2	1	1	8	1	1	1	8
197	C257	0	1	1	2	1	1	8	1	1	1	8
198	C214	0	1	1	2	2	1	8	7	1	1	8
199	C215	1	2	2	2	2	1	5	4	1	1	5
200	C221	1	2	2	2	1	3	1	1	1	1	3
201	C226	3	3	3	3	1	5	2	4	4	1	5
202	C206	1	2	2	2	1	1	1	2	2	1	2
203	C191	3	3	3	2	1	1	2	1	4	1	4
204	C252	0	1	1	2	2	1	7	1	1	1	7
205	C247	0	1	1	2	1	1	8	1	1	1	8
206	C259	0	1	1	2	1	1	7	1	1	1	7
207	C212	0	1	1	2	1	1	7	1	1	1	7
208	C218	2	2	2	2	1	1	6	1	1	1	6
209	C219	0	1	1	2	2	2	6	1	1	1	6
210	C217	1	2	2	2	2	1	4	1	1	1	4
211	C220	2	2	2	2	1	3	1	4	1	1	4
212	C194	3	3	3	2	1	1	1	1	4	1	4
213	C190	3	3	3	2	1	1	1	1	6	1	6
214	C155	7	3	3	3	2	n/a	n/a	1	6	1	6
215	C156	3	3	3	3	2	4	1	4	2	1	4
216	C251	0	1	1	2	1	1	6	2	1	1	6
217	C250	0	1	1	2	1	1	5	1	1	1	5
218	C249	1	2	2	2	4	1	5	1	1	1	5
219	C307	0	1	1	2	1	1	7	1	1	1	7
220	C382	0	1	1	2	1	1	7	1	1	1	7
221	C311	0	1	1	2	1	1	5	1	1	1	5
222	C196	1	2	2	2	1	1	2	1	1	1	2
223	C195	1	2	2	2	1	1	2	1	1	1	2
224	C193	0	1	1	2	1	1	2	1	3	1	3
225	C192	2	2	2	2	1	1	2	1	1	1	2
226	C154	3	3	3	2	1	1	n/a	1	4	1	4
227	C114	3	3	3	3	1	n/a	n/a	1	4	1	4
228	C113	2	2	2	2	1	1	2	1	1	1	2
229	C209	1	2	2	2	1	1	3	1	1	1	3
230	C211	0	1	1	2	1	1	2	1	1	1	2
231	C306	0	1	1	2	1	1	5	1	1	1	5
232	C381	1	2	2	2	1	1	3	1	1	1	3

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
233	C377	1	2	2	2	4	2	2	1	1	1	4
234	C198	2	2	2	2	1	1	2	1	1	1	2
235	C199	3	3	3	2	1	1	2	1	2	1	3
236	C200	3	3	3	2	1	1	3	1	1	1	3
237	C111	3	3	3	2	1	1	3	1	1	1	3
238	C112	2	2	2	2	1	1	2	1	1	1	2
239	C305	0	1	1	2	1	1	2	1	1	1	2
240	C210	1	2	2	2	1	1	2	1	1	1	2
241	C380	1	2	2	2	1	1	3	1	1	1	3
242	C379	0	1	1	2	1	1	3	1	1	1	3
243	C378	0	1	1	2	1	1	3	1	1	1	3
244	C386	2	2	2	2	2	3	1	4	1	1	4
245	C383	1	2	2	2	2	1	4	1	1	1	4
246	C197	3	3	3	2	1	1	2	1	1	1	3
247	C201	4	3	3	2	1	1	2	1	6	1	6
248	C118	9	3	3	2	1	n/a	n/a	1	4	1	4
249	C109	4	3	3	2	1	1	2	1	4	1	4
250	C108	4	3	3	2	1	1	3	1	1	1	3
251	C153	3	3	3	2	1	1	2	1	3	1	3
252	C207	0	1	1	2	1	1	5	2	1	1	5
253	C208	0	1	1	2	1	1	2	1	1	1	2
254	C301	1	2	2	2	1	1	3	1	1	1	3
255	C302	1	2	2	2	1	1	3	1	1	1	3
256	C303	1	2	2	2	1	1	5	1	1	1	5
257	C304	0	1	1	2	1	1	6	1	1	1	6
258	C349	1	2	2	2	4	1	3	1	1	1	4
259	C348	1	2	2	2	2	1	3	1	1	1	3
260	C346	1	2	2	2	1	1	3	1	1	1	3
261	C347	1	2	2	2	1	1	3	1	1	1	3
262	C385	1	2	2	2	4	3	4	1	1	1	4
263	C384	2	2	2	2	2	4	1	3	1	1	4
264	C246	2	2	2	2	2	1	2	1	1	1	2
265	C245	3	3	3	2	6	1	4	1	1	1	6
266	C235	3	3	3	2	1	1	3	1	1	1	3
267	C204	3	3	3	2	1	1	2	1	1	1	3
268	C202	3	3	3	2	1	1	4	1	1	1	4
269	C117	8	3	3	2	1	1	1	4	2	1	4
270	C119	6	3	3	2	1	1	2	1	1	1	3
271	C110	4	3	3	2	1	1	2	1	1	1	3

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
272	C61	3	3	3	2	1	1	3	1	1	1	3
273	C59	2	2	2	2	1	1	3	3	1	1	3
274	C300	1	2	2	3	1	5	5	3	1	1	5
275	C360	1	2	2	2	2	1	3	1	1	1	3
276	C350	1	2	2	2	6	1	2	1	1	1	6
277	C351	1	2	2	2	6	1	3	1	1	1	6
278	C352	1	2	2	2	4	1	2	1	1	1	4
279	C345	1	2	2	2	1	1	2	1	1	1	2
280	C340	1	2	2	2	1	1	2	1	1	1	2
281	C338	2	2	2	3	1	5	1	4	1	1	5
282	C359	1	2	2	2	4	1	1	4	1	1	4
283	C242	2	2	2	2	2	3	2	1	1	1	3
284	C243	2	2	2	2	6	1	3	1	1	1	6
285	C244	1	2	2	2	6	1	3	1	1	1	6
286	C234	3	3	3	2	1	1	2	1	1	1	3
287	C203	4	3	3	2	1	1	2	1	2	1	3
288	C116	10	3	3	2	1	n/a	n/a	6	4	1	6
289	C115	15	4	4	2	1	1	2	1	2	1	4
290	C107	5	3	3	2	1	1	2	1	1	1	3
291	C106	5	3	3	2	1	1	2	1	1	1	3
292	C60	4	3	3	2	1	1	3	1	1	1	3
293	C374	1	2	2	3	2	5	4	6	1	1	6
294	C373	4	3	3	5	2	5	1	4	1	1	5
295	C361	1	2	2	2	6	1	1	3	1	1	6
296	C362	1	2	2	2	1	1	3	1	1	1	3
297	C363	1	2	2	2	1	1	3	1	1	1	3
298	C364	1	2	2	2	1	1	3	1	1	1	3
299	C344	0	1	1	2	6	1	2	1	1	1	6
300	C339	2	2	2	2	2	1	3	1	1	1	3
301	C336	3	3	3	3	4	5	1	1	1	1	5
302	C337	3	3	3	3	2	5	1	2	1	1	5
303	C241	2	2	2	2	4	3	1	1	1	1	4
304	C240	0	1	1	2	1	2	2	1	1	1	2
305	C239	2	2	2	2	1	1	1	4	1	1	4
306	C233	3	3	3	2	1	3	1	1	1	1	3
307	C231	5	3	3	2	1	3	1	4	1	1	4
308	C389	5	3	3	2	4	1	4	2	1	1	4
309	C392	8	3	3	2	1	1	2	1	7	1	7
310	C395	6	3	3	2	4	1	3	1	1	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
311	C397	4	3	3	2	2	1	2	1	1	1	3
312	C398	3	3	3	2	1	1	3	1	1	1	3
313	C299	2	2	2	2	1	2	2	4	1	1	4
314	C376	3	3	3	3	2	5	2	1	1	1	5
315	C372	8	3	3	2	2	1	2	3	1	1	3
316	C367	1	2	2	2	1	1	3	1	1	1	3
317	C366	1	2	2	2	1	1	3	1	1	1	3
318	C365	1	2	2	2	4	1	3	1	1	1	4
319	C343	1	2	2	2	1	1	2	1	1	1	2
320	C334	2	2	2	2	6	2	2	3	1	1	6
321	C335	2	2	2	3	2	4	1	4	1	1	4
322	C355	2	2	2	3	1	5	1	1	1	1	5
323	C236	2	2	2	3	1	5	1	3	1	1	5
324	C237	2	2	2	2	1	3	1	1	1	1	3
325	C238	3	3	3	2	1	1	3	1	1	1	3
326	C232	6	3	3	3	1	5	1	4	1	1	5
327	C388	16	4	4	3	1	n/a	n/a	1	7	1	7
328	C390	7	3	3	3	2	n/a	n/a	1	7	1	7
329	C393	15	4	4	2	2	n/a	n/a	1	1	1	4
330	C396	6	3	3	2	2	1	3	1	1	1	3
331	C400	4	3	3	2	1	1	3	1	1	1	3
332	C399	3	3	3	2	4	1	3	1	1	1	4
333	C404	2	2	2	2	1	1	2	1	1	1	2
334	C375	2	2	2	2	1	3	1	1	1	1	3
335	C371	9	3	3	3	4	5	1	4	3	1	5
336	C370	4	3	3	2	1	3	1	1	7	1	7
337	C368	0	1	1	2	6	1	2	1	1	1	6
338	C369	1	2	2	2	1	1	2	1	1	1	2
339	C342	2	2	2	2	1	1	3	1	1	1	3
340	C341	0	1	1	2	1	1	2	1	1	1	2
341	C333	1	2	2	2	4	2	1	3	1	1	4
342	C353	2	2	2	2	6	3	2	3	1	1	6
343	C354	2	2	2	3	2	5	1	3	1	1	5
344	C356	4	3	3	2	2	3	1	6	1	1	6
345	C357	5	3	3	3	4	5	1	4	1	1	5
346	C358	10	3	3	2	1	3	3	4	1	1	4
347	C387	15	4	4	3	1	n/a	n/a	1	1	1	4
348	C391	5	3	3	2	6	1	4	3	1	1	6
349	C394	14	4	4	2	2	n/a	n/a	4	1	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
350	C401	7	3	3	2	4	1	3	1	1	1	4
351	C402	3	3	3	2	2	1	1	4	1	1	4
352	C403	2	2	2	2	2	1	2	1	1	1	2
353	C279	0	1	1	2	1	1	3	1	1	1	3
354	C280	0	1	1	3	1	4	1	4	4	1	4
355	C296	3	3	3	2	1	3	1	4	1	1	4
356	C282	0	1	1	2	1	1	4	1	1	1	4
357	C281	0	1	1	2	1	1	4	1	1	1	4
358	C294	3	3	3	2	1	3	3	1	1	1	3
359	C295	2	2	2	2	1	3	1	4	2	1	4
360	C125	0.5	1	1	2	2	1	3	1	1	1	3
361	C283	1	2	2	2	4	1	4	1	1	1	4
362	C284	0	1	1	2	1	1	3	1	1	1	3
363	C285	2	2	2	2	2	2	2	4	2	1	4
364	C293	2	2	2	3	2	5	1	4	1	1	5
365	C292	2	2	2	3	1	5	1	1	6	1	6
366	C124	0.5	1	1	2	4	1	2	1	1	1	4
367	C126	0	1	1	2	2	1	4	1	1	1	4
368	C286	1	2	2	2	2	1	2	1	1	1	2
369	C287	7	3	3	3	1	4	2	1	1	1	4
370	C290	8	3	3	5	2	5	1	1	7	1	7
371	C291	5	3	3	3	1	4	1	3	2	1	4
372	C278	1	2	2	2	1	1	2	1	1	1	2
373	C123	0	1	1	2	4	1	5	1	1	1	5
374	C127	0	1	1	2	1	3	3	1	1	1	3
375	C289	3	3	3	3	1	5	1	4	4	1	5
376	C288	11	4	4	3	1	5	2	1	4	1	5
377	C138	7	3	3	2	1	n/a	n/a	4	4	1	4
378	C139	4	3	3	3	1	5	1	1	1	1	5
379	C120	0.5	1	1	2	1	1	4	4	1	1	4
380	C130	5	3	3	2	1	n/a	n/a	1	6	1	6
381	C152	8	3	3	3	1	5	n/a	6	4	1	6
382	C151	8	3	3	2	1	3	1	4	3	1	4
383	C146	3	3	3	2	1	3	1	4	2	1	4
384	C145	9	3	3	2	1	3	1	4	2	1	4
385	C140	4	3	3	3	1	5	1	6	1	1	6
386	C143	2	2	2	3	1	5	1	4	1	1	5
387	C128	0	1	1	2	4	1	3	1	1	1	4
388	C131	1	2	2	2	6	1	5	1	1	1	6

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Sensitive Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Water logging*	*Rockiness*	*Mass movement*	
389	C136	1	2	2	2	1	3	1	4	3	1	4
390	C147	9	3	3	2	1	3	1	4	2	1	4
391	C141	12	4	4	2	2	1	3	2	1	1	4
392	C144	5	3	3	2	1	3	2	6	1	1	6
393	C129	1	2	2	2	4	1	6	1	1	1	6
394	C132	0	1	1	2	4	1	3	1	1	1	4
395	C121	0	1	1	2	2	1	3	1	1	1	3
396	C137	4	3	3	3	1	n/a	n/a	6	4	1	6
397	C148	3	3	3	3	1	5	1	1	3	1	5
398	C142	0.5	1	1	2	1	1	7	1	1	1	7
399	C133	0.5	1	1	2	6	1	3	1	1	1	6
400	C122	0	1	1	2	1	1	5	1	1	1	5
401	C134	7	3	3	2	1	3	1	4	1	1	4
402	C150	2	2	2	3	1	5	1	4	3	1	5
403	C149	8	3	3	3	1	5	1	1	3	1	5
404	C135	0	1	1	2	6	1	5	1	1	1	6

Appendix 10b. LSC Assessment Matrix - Salt Tolerant Scenario

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
1	318	0	1	1	2	2	1	2	1	1	1	2
2	319	3	3	3	3	4	5	1	6	1	1	6
3	325	7	3	3	3	2	5	1	3	2	1	5
4	326	0	1	1	3	2	5	1	1	1	1	5
5	320	1	2	2	3	2	5	1	6	1	1	6
6	327	0	1	1	3	2	5	1	3	1	1	5
7	328	0	1	1	2	1	3	1	6	6	1	6
8	321	1	2	2	2	6	3	1	4	1	1	6
9	324	0	1	1	2	2	2	1	3	2	1	3
10	323	3	3	3	2	4	3	1	3	1	1	4
11	322	2	2	2	2	4	3	1	1	1	1	4
12	87	2	2	2	2	1	3	1	1	3	1	3
13	86	4	3	3	2	1	3	1	4	1	1	4
14	189	10	3	3	3	1	5	1	4	3	1	5
15	84	5	3	3	2	1	3	1	4	1	1	4
16	83	5	3	3	2	1	3	1	4	7	1	7
17	82	4	3	3	2	1	3	1	6	3	1	6
18	188	1	2	2	3	1	5	1	1	6	1	6
19	181	4	3	3	3	1	4	1	4	4	1	4
20	85	6	3	3	2	1	3	1	6	1	1	6
21	81	4	3	3	2	1	1	1	1	3	1	3
22	80	7	3	3	2	1	1	1	6	4	1	6
23	88	2	2	2	2	1	1	1	1	3	1	3
24	184	5	3	3	3	1	1	1	4	3	1	4
25	187	5	3	3	3	1	5	1	1	2	1	5
26	182	5	3	3	3	1	4	1	1	2	1	4
27	180	6	3	3	3	1	4	1	4	2	1	4
28	75	6	3	3	3	1	4	1	6	2	1	6
29	79	1	2	2	2	1	1	3	1	1	1	3
30	183	3	3	3	3	1	5	1	6	1	1	6
31	175	9	3	3	3	1	5	1	1	2	1	5
32	74	7	3	3	2	1	3	1	1	1	1	3
33	78	1	2	2	2	1	1	3	1	1	1	3
34	178	3	3	3	2	1	3	1	4	2	1	4
35	73	2	2	2	3	1	3	1	6	1	1	6
36	72	1	2	2	2	1	3	1	4	1	1	4
37	329	0	1	1	2	4	1	2	1	1	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
38	26	2	2	2	2	2	3	2	1	1	1	3
39	28	8	3	3	3	1	n/a	n/a	1	4	1	4
40	186	12	4	4	3	1	5	1	1	3	1	5
41	185	6	3	3	2	1	3	1	4	3	1	4
42	174	5	3	3	2	1	n/a	n/a	6	6	1	6
43	177	7	3	3	3	1	5	1	1	2	1	5
44	71	5	3	3	3	1	4	1	4	3	1	4
45	77	1	2	2	2	1	1	2	1	1	1	2
46	25	0.5	1	1	2	2	1	2	1	1	1	2
47	24	0.5	1	1	2	2	1	2	1	1	1	2
48	27	2	2	2	2	4	1	1	1	1	1	4
49	29	3	3	3	2	4	2	1	6	2	1	6
50	97	7	3	3	2	1	3	1	4	6	1	6
51	96	6	3	3	2	1	3	1	6	6	1	6
52	172	7	3	3	3	1	5	1	4	2	1	5
53	89	3	3	3	3	1	5	1	7	1	1	7
54	176	6	3	3	2	1	3	1	6	3	1	6
55	70	5	3	3	2	1	3	1	6	1	1	6
56	76	0	1	1	2	1	2	2	2	1	1	2
57	330	0	1	1	2	4	1	3	1	1	1	4
58	331	0	1	1	2	6	1	3	1	1	1	6
59	23	1	2	2	2	1	1	4	1	1	1	4
60	22	1	2	2	2	1	1	3	1	1	1	3
61	30	0.5	1	1	2	4	1	1	1	1	1	4
62	261	2	2	2	2	2	3	1	1	1	1	3
63	173	3	3	3	3	1	5	1	6	1	1	6
64	95	7	3	3	2	1	2	1	4	7	1	7
65	90	3	3	3	3	1	5	2	7	2	1	7
66	179	3	3	3	3	1	5	n/a	3	1	1	5
67	69	5	3	3	3	1	3	1	4	1	1	4
68	309	2	2	2	2	1	3	1	3	1	1	3
69	308	1	2	2	2	1	3	1	4	1	1	4
70	68	1	2	2	2	1	1	2	1	1	1	2
71	310	0	1	1	2	4	1	3	1	1	1	4
72	332	0	1	1	2	2	1	2	1	1	1	2
73	32	5	3	3	2	1	n/a	n/a	6	4	1	6
74	31	5	3	3	2	1	3	1	6	1	1	6
75	260	0	1	1	2	1	3	1	1	1	1	3
76	98	1	2	2	2	1	n/a	n/a	4	4	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
77	94	1	2	2	2	1	3	1	6	1	1	6
78	93	0	1	1	2	1	n/a	n/a	6	4	1	6
79	91	7	3	3	3	1	5	1	4	1	1	5
80	171	12	4	4	2	1	3	1	6	3	1	6
81	66	6	3	3	3	1	4	1	7	1	1	7
82	67	9	3	3	3	1	4	1	6	2	1	6
83	314	0	1	1	2	4	1	2	1	1	1	4
84	315	0	1	1	2	6	1	2	1	1	1	6
85	46	0	1	1	2	2	1	6	1	1	1	6
86	102	0	1	1	2	1	n/a	1	6	2	1	6
87	92	9	3	3	3	1	5	1	4	1	1	5
88	65	5	3	3	3	1	4	1	6	1	1	6
89	64	4	3	3	2	1	n/a	n/a	6	4	1	6
90	63	0	1	1	2	1	3	1	4	2	1	4
91	313	0	1	1	2	2	1	2	1	1	1	2
92	36	2	2	2	2	1	1	1	1	1	1	2
93	33	1	2	2	2	1	n/a	n/a	1	4	1	4
94	101	5	3	3	3	1	4	1	4	3	1	4
95	103	3	3	3	3	1	5	1	4	1	1	5
96	104	3	3	3	3	1	5	1	6	1	1	6
97	170	2	2	2	2	1	n/a	n/a	1	4	1	4
98	273	3	3	3	3	2	5	1	4	2	1	5
99	272	5	3	3	3	1	4	1	4	4	1	4
100	271	5	3	3	3	1	4	1	4	2	1	4
101	62	3	3	3	3	1	3	1	6	1	1	6
102	270	6	3	3	3	1	4	1	4	2	1	4
103	277	0	1	1	2	1	1	2	1	1	1	2
104	45	5	3	3	2	2	1	3	1	1	1	3
105	37	1	2	2	2	1	1	3	1	1	1	3
106	35	7	3	3	2	1	3	2	4	1	1	4
107	34	7	3	3	2	1	3	1	1	3	1	3
108	100	4	3	3	3	1	4	1	4	4	1	4
109	99	4	3	3	3	1	4	1	6	4	1	6
110	105	3	3	3	3	1	5	1	4	2	1	5
111	274	5	3	3	3	1	5	1	4	2	1	5
112	275	9	3	3	2	1	2	1	4	2	1	4
113	276	2	2	2	3	1	5	1	4	2	1	5
114	312	0	1	1	2	6	1	2	4	1	1	6
115	44	3	3	3	2	1	1	3	1	2	1	3

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
116	38	3	3	3	2	2	3	1	4	1	1	4
117	39	6	3	3	3	1	4	1	4	1	1	4
118	163	8	3	3	3	1	5	1	1	3	1	5
119	165	3	3	3	2	1	3	1	1	3	1	3
120	162	3	3	3	2	1	3	1	1	2	1	3
121	169	5	3	3	2	1	4	1	4	2	1	4
122	298	12	4	4	3	1	5	1	4	2	1	5
123	157	4	3	3	3	1	5	1	6	1	1	6
124	297	2	2	2	3	1	5	1	6	1	1	6
125	40	1	2	2	2	1	3	2	1	2	1	3
126	41	5	3	3	3	1	n/a	n/a	1	4	1	4
127	164	5	3	3	3	1	5	1	6	3	1	6
128	168	4	3	3	3	1	5	1	4	2	1	5
129	58	6	3	3	3	1	n/a	n/a	1	7	1	7
130	2	8	3	3	2	2	4	1	4	2	1	4
131	158	4	3	3	3	1	5	1	6	4	1	6
132	159	4	3	3	3	1	5	1	1	3	1	5
133	161	8	3	3	3	1	5	1	4	1	1	5
134	160	3	3	3	2	1	3	1	4	2	1	4
135	262	7	3	3	3	1	4	1	4	4	1	4
136	263	0	1	1	2	1	5	3	1	1	1	5
137	267	1	2	2	2	1	1	2	1	1	1	2
138	43	2	2	2	2	1	2	4	4	1	1	4
139	42	2	2	2	3	1	5	3	6	1	1	6
140	166	4	3	3	3	1	4	1	4	3	1	4
141	57	4	3	3	3	1	5	1	6	1	1	6
142	1	1	2	2	2	4	2	1	1	1	1	4
143	264	1	2	2	2	1	4	1	1	2	1	4
144	265	0	1	1	2	1	1	1	1	1	1	2
145	266	0	1	1	2	1	1	3	1	1	1	3
146	317	1	2	2	2	4	1	6	1	1	1	6
147	47	3	3	3	2	1	1	3	4	2	1	4
148	48	3	3	3	2	1	2	2	4	1	1	4
149	19	7	3	3	3	1	5	1	4	3	1	5
150	20	5	3	3	2	1	4	1	4	3	1	4
151	21	6	3	3	3	1	n/a	n/a	1	4	1	4
152	56	5	3	3	3	2	n/a	n/a	6	4	1	6
153	55	5	3	3	3	1	4	1	4	2	1	4
154	3	4	3	3	2	1	3	1	4	2	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
155	268	1	2	2	2	1	1	1	1	1	1	2
156	269	1	2	2	2	1	1	1	1	1	1	2
157	316	1	2	2	2	6	1	2	1	1	1	6
158	50	0	1	1	2	1	1	7	1	1	1	7
159	54	0.5	1	1	2	1	1	6	1	1	1	6
160	53	5	3	3	2	1	1	6	1	1	1	6
161	49	3	3	3	3	2	4	1	4	1	1	4
162	18	4	3	3	2	1	4	1	4	1	1	4
163	9	4	3	3	3	1	5	1	4	3	1	5
164	8	3	3	3	3	1	5	1	1	1	1	5
165	5	2	2	2	2	1	4	1	4	2	1	4
166	167	4	3	3	5	1	n/a	n/a	1	4	1	5
167	4	5	3	3	2	1	3	1	4	3	1	4
168	51	0	1	1	2	1	1	5	1	1	1	5
169	52	0	1	1	2	1	1	4	1	1	1	4
170	10	2	2	2	2	2	3	1	1	1	1	3
171	11	5	3	3	2	1	n/a	n/a	1	6	1	6
172	7	3	3	3	3	2	4	1	2	2	1	4
173	6	3	3	3	2	1	3	1	3	1	1	3
174	17	2	2	2	2	2	4	1	4	2	1	4
175	16	5	3	3	2	1	n/a	n/a	1	4	1	4
176	12	4	3	3	2	2	3	1	1	3	1	3
177	15	4	3	3	2	4	2	1	1	1	1	4
178	229	2	2	2	2	1	1	1	1	1	1	2
179	13	3	3	3	2	1	4	1	1	1	1	4
180	228	3	3	3	3	1	5	1	4	4	1	5
181	14	4	3	3	3	2	5	1	4	3	1	5
182	254	0	1	1	2	1	1	5	1	1	1	5
183	255	0	1	1	2	1	1	3	1	1	1	3
184	256	1	2	2	2	1	1	1	1	4	1	4
185	216	2	2	2	2	1	3	1	4	2	1	4
186	222	3	3	3	3	1	5	1	1	4	1	5
187	223	3	3	3	3	1	5	1	2	1	1	5
188	224	2	2	2	3	1	5	1	4	2	1	5
189	225	3	3	3	2	1	3	2	4	2	1	4
190	205	2	2	2	2	1	2	1	2	1	1	2
191	230	5	3	3	3	1	5	1	4	2	1	5
192	227	6	3	3	3	1	5	1	4	3	1	5
193	253	0	1	1	2	2	1	3	1	1	1	3

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
194	248	0	1	1	2	1	1	4	1	1	1	4
195	258	0	1	1	2	1	1	4	1	1	1	4
196	213	0	1	1	2	1	1	6	1	1	1	6
197	257	0	1	1	2	1	1	7	1	1	1	7
198	214	0	1	1	2	2	1	7	7	1	1	7
199	215	1	2	2	2	2	1	6	4	1	1	6
200	221	1	2	2	2	1	3	1	1	1	1	3
201	226	3	3	3	3	1	5	1	4	4	1	5
202	206	1	2	2	2	1	1	1	2	2	1	2
203	191	3	3	3	2	1	1	1	1	4	1	4
204	252	0	1	1	2	2	1	6	1	1	1	6
205	247	0	1	1	2	1	1	6	1	1	1	6
206	259	0	1	1	2	1	1	5	1	1	1	5
207	212	0	1	1	2	1	1	6	1	1	1	6
208	218	2	2	2	2	1	1	6	1	1	1	6
209	219	0	1	1	2	2	2	4	1	1	1	4
210	217	1	2	2	2	2	1	2	1	1	1	2
211	220	2	2	2	2	1	3	1	4	1	1	4
212	194	3	3	3	2	1	1	1	1	4	1	4
213	190	3	3	3	2	1	1	1	1	6	1	6
214	155	7	3	3	3	2	n/a	n/a	1	6	1	6
215	156	3	3	3	3	2	4	1	4	2	1	4
216	251	0	1	1	2	1	1	4	2	1	1	4
217	250	0	1	1	2	1	1	3	1	1	1	3
218	249	1	2	2	2	4	1	3	1	1	1	4
219	307	0	1	1	2	1	1	3	1	1	1	3
220	382	0	1	1	2	1	1	3	1	1	1	3
221	311	0	1	1	2	1	1	3	1	1	1	3
222	196	1	2	2	2	1	1	1	1	1	1	2
223	195	1	2	2	2	1	1	1	1	1	1	2
224	193	0	1	1	2	1	1	1	1	3	1	3
225	192	2	2	2	2	1	1	1	1	1	1	2
226	154	3	3	3	2	1	1	1	1	4	1	4
227	114	3	3	3	3	1	n/a	n/a	1	4	1	4
228	113	2	2	2	2	1	1	1	1	1	1	2
229	209	1	2	2	2	1	1	2	1	1	1	2
230	211	0	1	1	2	1	1	1	1	1	1	2
231	306	0	1	1	2	1	1	2	1	1	1	2
232	381	1	2	2	2	1	1	1	1	1	1	2

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
233	377	1	2	2	2	4	2	1	1	1	1	4
234	198	2	2	2	2	1	1	1	1	1	1	2
235	199	3	3	3	2	1	1	1	1	2	1	3
236	200	3	3	3	2	1	1	1	1	1	1	3
237	111	3	3	3	2	1	1	1	1	1	1	3
238	112	2	2	2	2	1	1	1	1	1	1	2
239	305	0	1	1	2	1	1	1	1	1	1	2
240	210	1	2	2	2	1	1	1	1	1	1	2
241	380	1	2	2	2	1	1	1	1	1	1	2
242	379	0	1	1	2	1	1	1	1	1	1	2
243	378	0	1	1	2	1	1	1	1	1	1	2
244	386	2	2	2	2	2	3	1	4	1	1	4
245	383	1	2	2	2	2	1	1	1	1	1	2
246	197	3	3	3	2	1	1	1	1	1	1	3
247	201	4	3	3	2	1	1	1	1	6	1	6
248	118	9	3	3	2	1	n/a	n/a	1	4	1	4
249	109	4	3	3	2	1	1	1	1	4	1	4
250	108	4	3	3	2	1	1	1	1	1	1	3
251	153	3	3	3	2	1	1	1	1	3	1	3
252	207	0	1	1	2	1	1	3	2	1	1	3
253	208	0	1	1	2	1	1	2	1	1	1	2
254	301	1	2	2	2	1	1	1	1	1	1	2
255	302	1	2	2	2	1	1	1	1	1	1	2
256	303	1	2	2	2	1	1	2	1	1	1	2
257	304	0	1	1	2	1	1	3	1	1	1	3
258	349	1	2	2	2	4	1	1	1	1	1	4
259	348	1	2	2	2	2	1	1	1	1	1	2
260	346	1	2	2	2	1	1	1	1	1	1	2
261	347	1	2	2	2	1	1	1	1	1	1	2
262	385	1	2	2	2	4	3	3	1	1	1	4
263	384	2	2	2	2	2	4	1	3	1	1	4
264	246	2	2	2	2	2	1	1	1	1	1	2
265	245	3	3	3	2	6	1	1	1	1	1	6
266	235	3	3	3	2	1	1	1	1	1	1	3
267	204	3	3	3	2	1	1	1	1	1	1	3
268	202	3	3	3	2	1	1	1	1	1	1	3
269	117	8	3	3	2	1	1	1	4	2	1	4
270	119	6	3	3	2	1	1	1	1	1	1	3
271	110	4	3	3	2	1	1	1	1	1	1	3

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
272	61	3	3	3	2	1	1	2	1	1	1	3
273	59	2	2	2	2	1	1	1	3	1	1	3
274	300	1	2	2	3	1	5	1	3	1	1	5
275	360	1	2	2	2	2	1	1	1	1	1	2
276	350	1	2	2	2	6	1	1	1	1	1	6
277	351	1	2	2	2	6	1	1	1	1	1	6
278	352	1	2	2	2	4	1	1	1	1	1	4
279	345	1	2	2	2	1	1	1	1	1	1	2
280	340	1	2	2	2	1	1	1	1	1	1	2
281	338	2	2	2	3	1	5	1	4	1	1	5
282	359	1	2	2	2	4	1	1	4	1	1	4
283	242	2	2	2	2	2	3	1	1	1	1	3
284	243	2	2	2	2	6	1	1	1	1	1	6
285	244	1	2	2	2	6	1	2	1	1	1	6
286	234	3	3	3	2	1	1	1	1	1	1	3
287	203	4	3	3	2	1	1	1	1	2	1	3
288	116	10	3	3	2	1	n/a	n/a	6	4	1	6
289	115	15	4	4	2	1	1	1	1	2	1	4
290	107	5	3	3	2	1	1	1	1	1	1	3
291	106	5	3	3	2	1	1	1	1	1	1	3
292	60	4	3	3	2	1	1	1	1	1	1	3
293	374	1	2	2	3	2	5	1	6	1	1	6
294	373	4	3	3	5	2	5	1	4	1	1	5
295	361	1	2	2	2	6	1	1	3	1	1	6
296	362	1	2	2	2	1	1	1	1	1	1	2
297	363	1	2	2	2	1	1	1	1	1	1	2
298	364	1	2	2	2	1	1	1	1	1	1	2
299	344	0	1	1	2	6	1	1	1	1	1	6
300	339	2	2	2	2	2	1	1	1	1	1	2
301	336	3	3	3	3	4	5	1	1	1	1	5
302	337	3	3	3	3	2	5	1	2	1	1	5
303	241	2	2	2	2	4	3	1	1	1	1	4
304	240	0	1	1	2	1	2	1	1	1	1	2
305	239	2	2	2	2	1	1	1	4	1	1	4
306	233	3	3	3	2	1	3	1	1	1	1	3
307	231	5	3	3	2	1	3	1	4	1	1	4
308	389	5	3	3	2	4	1	2	2	1	1	4
309	392	8	3	3	2	1	1	1	1	7	1	7
310	395	6	3	3	2	4	1	1	1	1	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
311	397	4	3	3	2	2	1	1	1	1	1	3
312	398	3	3	3	2	1	1	1	1	1	1	3
313	299	2	2	2	2	1	2	1	4	1	1	4
314	376	3	3	3	3	2	5	1	1	1	1	5
315	372	8	3	3	2	2	1	1	3	1	1	3
316	367	1	2	2	2	1	1	1	1	1	1	2
317	366	1	2	2	2	1	1	1	1	1	1	2
318	365	1	2	2	2	4	1	1	1	1	1	4
319	343	1	2	2	2	1	1	1	1	1	1	2
320	334	2	2	2	2	6	2	1	3	1	1	6
321	335	2	2	2	3	2	4	1	4	1	1	4
322	355	2	2	2	3	1	5	1	1	1	1	5
323	236	2	2	2	3	1	5	1	3	1	1	5
324	237	2	2	2	2	1	3	1	1	1	1	3
325	238	3	3	3	2	1	1	1	1	1	1	3
326	232	6	3	3	3	1	5	1	4	1	1	5
327	388	16	4	4	3	1	n/a	n/a	1	7	1	7
328	390	7	3	3	3	2	n/a	n/a	1	7	1	7
329	393	15	4	4	2	2	n/a	n/a	1	1	1	4
330	396	6	3	3	2	2	1	2	1	1	1	3
331	400	4	3	3	2	1	1	1	1	1	1	3
332	399	3	3	3	2	4	1	1	1	1	1	4
333	404	2	2	2	2	1	1	1	1	1	1	2
334	375	2	2	2	2	1	3	1	1	1	1	3
335	371	9	3	3	3	4	5	1	4	3	1	5
336	370	4	3	3	2	1	3	1	1	7	1	7
337	368	0	1	1	2	6	1	1	1	1	1	6
338	369	1	2	2	2	1	1	1	1	1	1	2
339	342	2	2	2	2	1	1	1	1	1	1	2
340	341	0	1	1	2	1	1	1	1	1	1	2
341	333	1	2	2	2	4	2	1	3	1	1	4
342	353	2	2	2	2	6	3	1	3	1	1	6
343	354	2	2	2	3	2	5	1	3	1	1	5
344	356	4	3	3	2	2	3	1	6	1	1	6
345	357	5	3	3	3	4	5	1	4	1	1	5
346	358	10	3	3	2	1	3	1	4	1	1	4
347	387	15	4	4	3	1	n/a	n/a	1	1	1	4
348	391	5	3	3	2	6	1	3	3	1	1	6
349	394	14	4	4	2	2	n/a	n/a	4	1	1	4

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
350	401	7	3	3	2	4	1	1	1	1	1	4
351	402	3	3	3	2	2	1	1	4	1	1	4
352	403	2	2	2	2	2	1	2	1	1	1	2
353	279	0	1	1	2	1	1	1	1	1	1	2
354	280	0	1	1	3	1	4	1	4	4	1	4
355	296	3	3	3	2	1	3	1	4	1	1	4
356	282	0	1	1	2	1	1	2	1	1	1	2
357	281	0	1	1	2	1	1	2	1	1	1	2
358	294	3	3	3	2	1	3	1	1	1	1	3
359	295	2	2	2	2	1	3	1	4	2	1	4
360	125	0.5	1	1	2	2	1	1	1	1	1	2
361	283	1	2	2	2	4	1	2	1	1	1	4
362	284	0	1	1	2	1	1	1	1	1	1	2
363	285	2	2	2	2	2	2	1	4	2	1	4
364	293	2	2	2	3	2	5	1	4	1	1	5
365	292	2	2	2	3	1	5	1	1	6	1	6
366	124	0.5	1	1	2	4	1	1	1	1	1	4
367	126	0	1	1	2	2	1	1	1	1	1	2
368	286	1	2	2	2	2	1	1	1	1	1	2
369	287	7	3	3	3	1	4	1	1	1	1	4
370	290	8	3	3	5	2	5	1	1	7	1	7
371	291	5	3	3	3	1	4	1	3	2	1	4
372	278	1	2	2	2	1	1	1	1	1	1	2
373	123	0	1	1	2	4	1	3	1	1	1	4
374	127	0	1	1	2	1	3	1	1	1	1	3
375	289	3	3	3	3	1	5	1	4	4	1	5
376	288	11	4	4	3	1	5	1	1	4	1	5
377	138	7	3	3	2	1	n/a	n/a	4	4	1	4
378	139	4	3	3	3	1	5	1	1	1	1	5
379	120	0.5	1	1	2	1	1	2	4	1	1	4
380	130	5	3	3	2	1	n/a	n/a	1	6	1	6
381	152	8	3	3	3	1	5	1	6	4	1	6
382	151	8	3	3	2	1	3	1	4	3	1	4
383	146	3	3	3	2	1	3	1	4	2	1	4
384	145	9	3	3	2	1	3	1	4	2	1	4
385	140	4	3	3	3	1	5	1	6	1	1	6
386	143	2	2	2	3	1	5	1	4	1	1	5
387	128	0	1	1	2	4	1	1	1	1	1	4
388	131	1	2	2	2	6	1	3	1	1	1	6

Map ID FEB' 14	Field ID	Slope (%)	Hazards and LSC Score									LSC Class Salt Tolerant Threshold
			Slope Class	*Water erosion*	*Wind erosion*	*Structural decline*	*Soil acidification*	*Salinity*	*Waterlogging*	*Rockiness*	*Mass movement*	
389	136	1	2	2	2	1	3	1	4	3	1	4
390	147	9	3	3	2	1	3	1	4	2	1	4
391	141	12	4	4	2	2	1	1	2	1	1	4
392	144	5	3	3	2	1	3	1	6	1	1	6
393	129	1	2	2	2	4	1	3	1	1	1	4
394	132	0	1	1	2	4	1	1	1	1	1	4
395	121	0	1	1	2	2	1	3	1	1	1	3
396	137	4	3	3	3	1	n/a	n/a	6	4	1	6
397	148	3	3	3	3	1	5	1	1	3	1	5
398	142	0.5	1	1	2	1	1	2	1	1	1	2
399	133	0.5	1	1	2	6	1	2	1	1	1	6
400	122	0	1	1	2	1	1	3	1	1	1	3
401	134	7	3	3	2	1	3	1	4	1	1	4
402	150	2	2	2	3	1	5	1	4	3	1	5
403	149	8	3	3	3	1	5	1	1	3	1	5
404	135	0	1	1	2	6	1	3	1	1	1	6