Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**		**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Workgroup:	EB2616449	**ALS Sample Number:**	EB2616449004	EB2616449005	EB2616449006		EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	07/05/2026	07/05/2026	07/05/2026	Mean of background levels 1	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025
		Client sample ID (1st):	TG_BACK_01	TG_BACK_02	TG_BACK_03		T.B-1	T.B-2	T.B-3	T.B-4	T.B-5	T.B-6	T.B-7	T.B-8
		Client sample ID (2nd):												
		Depth Type:												
		Depth (m):												
		Site:												
		Purchase Order:	25008	25008	25008		PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008

Analyte grouping/Analyte	**Unit**	**Limit of reporting**											
Physio Chemical Properties													
pH Value						----	----	----	----	----	----	----	----
Sodium Adsorption Ratio						----	----	----	----	----	----	----	----
Electrical Conductivity @ 25°C						----	----	----	----	----	----	----	----
Total Soluble Salts						----	----	----	----	----	----	----	----
Moisture Content	%	1.0	**30.9**	**35.9**	**18.6**	**35.8**	**36.9**	**34.6**	**33.7**	**42.6**	**35.4**	**32.4**	**40.3**
Color (Munsell)			----	----	----	----	----	----	----	----	----	----	----
Texture			----	----	----	----	----	----	----	----	----	----	----
Emerson Class Number			----	----	----	----	----	----	----	----	----	----	----
EA150: Particle Sizing													
+75µm	%	1	----	----	----	----	----	----	----	----	----	----	----
+150µm	%	1	----	----	----	----	----	----	----	----	----	----	----
+300µm	%	1	----	----	----	----	----	----	----	----	----	----	----
+425µm	%	1	----	----	----	----	----	----	----	----	----	----	----
+600µm	%	1	----	----	----	----	----	----	----	----	----	----	----
+1180µm	%	1	----	----	----	----	----	----	----	----	----	----	----
+2.36mm	%	1	----	----	----	----	----	----	----	----	----	----	----
+4.75mm	%	1	----	----	----	----	----	----	----	----	----	----	----
+9.5mm	%	1	----	----	----	----	----	----	----	----	----	----	----
+19.0mm	%	1	----	----	----	----	----	----	----	----	----	----	----
+37.5mm	%	1	----	----	----	----	----	----	----	----	----	----	----
+75.0mm	%	1	----	----	----	----	----	----	----	----	----	----	----
EA150: Soil Classification based on Particle Size													
Clay (<2 µm)	%	1	----	----	----	----	----	----	----	----	----	----	----
Silt (2-60 µm)	%	1	----	----	----	----	----	----	----	----	----	----	----
Sand (0.06-2.00 mm)	%	1	----	----	----	----	----	----	----	----	----	----	----
Gravel (>2mm)	%	1	----	----	----	----	----	----	----	----	----	----	----
Cobbles (>6cm)	%	1	----	----	----	----	----	----	----	----	----	----	----
Exchange Acidity / Cations													
Exchange Acidity	meq/100g					----	----	----	----	----	----	----	----
Exchangeable Aluminium	meq/100g					----	----	----	----	----	----	----	----
Exchangeable Calcium	meq/100g					----	----	----	----	----	----	----	----
Exchangeable Magnesium	meq/100g					----	----	----	----	----	----	----	----
Exchangeable Potassium	meq/100g					----	----	----	----	----	----	----	----
Exchangeable Sodium	meq/100g					----	----	----	----	----	----	----	----
Cation Exchange Capacity	meq/100g					----	----	----	----	----	----	----	----

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**		**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Workgroup:	EB2616449	**ALS Sample Number:**	EB2616449004	EB2616449005	EB2616449006		EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	07/05/2026	07/05/2026	07/05/2026	Mean of background levels 1	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025
		Client sample ID (1st):	TG_BACK_01	TG_BACK_02	TG_BACK_03		T.B-1	T.B-2	T.B-3	T.B-4	T.B-5	T.B-6	T.B-7	T.B-8
		Client sample ID (2nd):												
		Depth Type:												
		Depth (m):												
		Site:												
		Purchase Order:	25008	25008	25008		PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008
Analyte grouping/Analyte	**Unit**	**Limit of reporting**												
Exchangeable Sodium Percent	%						----	----	----	----	----	----	----	----
Calcium/Magnesium Ratio							----	----	----	----	----	----	----	----
Magnesium/Potassium Ratio							----	----	----	----	----	----	----	----
Soluble Sulfate / Sulfur / Chloride														
Sulfate as SO4 2-							----	----	----	----	----	----	----	----
Sulfur - Total as S (LECO)							----	----	----	----	----	----	----	----
Chloride							----	----	----	----	----	----	----	----
Soluble Major Cations														
Calcium							----	----	----	----	----	----	----	----
Magnesium							----	----	----	----	----	----	----	----
Sodium							----	----	----	----	----	----	----	----
Potassium							----	----	----	----	----	----	----	----
Total Metals by ICP-AES														
Arsenic	mg/kg	5	<5	<5	<5	2.5	<5	<5	<5	<5	<5	<5	<5	<5
Cadmium	mg/kg	1	<1	<1	<1	0.5	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	mg/kg	2	**20**	**49**	**49**	**39**	**36**	**29**	**46**	**54**	**25**	**62**	**65**	**38**
Copper	mg/kg	5	**15**	**25**	**21**	**20**	**17**	**15**	**23**	**26**	**16**	**27**	**30**	**22**
Lead	mg/kg	5	<5	<5	**9**	**4.67**	<5	<5	<5	<5	<5	**7**	<5	<5
Nickel	mg/kg	2	**41**	**61**	**54**	**52**	**43**	**35**	**51**	**63**	**32**	**73**	**55**	**47**
Zinc	mg/kg	5	**54**	**114**	**101**	**90**	**73**	**62**	**103**	**84**	**71**	**107**	**120**	**81**
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nutrients														
Ammonia as N	mg/kg	20	<20	<20	<20		<20	<20	<20	<20	<20	<20	<20	<20
Nitrite as N (Sol.)	mg/kg	0.1	<0.1	**0.2**	**0.2**	**0.15**	<0.1	**0.2**	**0.2**	<0.1	**0.8**	**0.1**	**0.2**	**0.2**
Nitrate as N (Sol.)	mg/kg	0.1	**10**	**15.9**	**8.2**	**11**	**8.6**	**5.7**	**4.6**	**1.1**	**9.3**	**1.7**	**177**	**10.7**
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	**10**	**16.1**	**8.4**	**12**	**8.6**	**5.9**	**4.8**	**1.1**	**10.1**	**1.8**	**177**	**10.9**
Total Kjeldahl Nitrogen as N	mg/kg	20	**3280**	**5460**	**5140**	**4627**	**4110**	**4900**	**4340**	**4300**	**8000**	**4540**	**4950**	**4340**
Total Nitrogen as N	mg/kg	20	**3290**	**5480**	**5150**	**4640**	**4120**	**4900**	**4340**	**4300**	**8010**	**4540**	**5130**	**4350**
Total Phosphorus as P	mg/kg	2	**2100**	**3040**	**2530**	**2557**	**1410**	**1510**	**2680**	**3620**	**2960**	**2980**	**2640**	**2340**
Reactive Phosphorus as P							----	----	----	----	----	----	----	----
Bicarbonate Ext. P (Colwell)							----	----	----	----	----	----	----	----
EP004: Organic Matter														
Organic Matter	%	0.5					----	----	----	----	----	----	----	----

Note:

1 Where a value of a contaminant is less than the limit of reporting (LOR) and needs to be used to calculate SQGs, half the value of the LOR will be used.

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Workgroup:	EB2616449	**ALS Sample Number:**	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB2616449001	EB2616449002	EB2616449003	EB2616449011
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	07/05/2026	07/05/2026	07/05/2026	08/05/2026
		Client sample ID (1st):	T.B-9	T.B-10	T.B-11	T.B-12	T.B-13	T.B-14	T.B-15	TG_16_0.1	TG_17_0.1	TG_18_0.1	AMP_23_0.1
		Client sample ID (2nd):											
		Depth Type:											
		Depth (m):											
		Site:											
		Purchase Order:	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	25008	25008	25008	25008

Analyte grouping/Analyte	**Unit**	**Limit of reporting**											
Physio Chemical Properties													
pH Value			----	----	----	----	----	----	----				
Sodium Adsorption Ratio			----	----	----	----	----	----	**0.24**				
Electrical Conductivity @ 25°C			----	----	----	----	----	----	----				
Total Soluble Salts			----	----	----	----	----	----	**357**				
Moisture Content	%	1.0	**36.6**	**29.2**	**38.3**	**30.6**	**26.8**	**35.7**	**49.3**	----	**30.3**	**24.3**	----
Color (Munsell)			----	----	----	----	----	----	----	**Weak Red (2.5Y**	----	----	**Dark Reddish B**
Texture			----	----	----	----	----	----	----	**Silty Clay Loam**	----	----	**Silty Loam**
Emerson Class Number			----	----	----	----	----	----	----	**3**	----	----	**7**
EA150: Particle Sizing													
+75µm	%	1	----	----	----	----	----	----	----	**31**	----	----	**31**
+150µm	%	1	----	----	----	----	----	----	----	**29**	----	----	**28**
+300µm	%	1	----	----	----	----	----	----	----	**27**	----	----	**27**
+425µm	%	1	----	----	----	----	----	----	----	**26**	----	----	**26**
+600µm	%	1	----	----	----	----	----	----	----	**24**	----	----	**26**
+1180µm	%	1	----	----	----	----	----	----	----	**21**	----	----	**24**
+2.36mm	%	1	----	----	----	----	----	----	----	**14**	----	----	**22**
+4.75mm	%	1	----	----	----	----	----	----	----	**3**	----	----	**19**
+9.5mm	%	1	----	----	----	----	----	----	----	<1	----	----	<1
+19.0mm	%	1	----	----	----	----	----	----	----	<1	----	----	<1
+37.5mm	%	1	----	----	----	----	----	----	----	<1	----	----	<1
+75.0mm	%	1	----	----	----	----	----	----	----	<1	----	----	<1
EA150: Soil Classification based on Particle Size													
Clay (<2 µm)	%	1	----	----	----	----	----	----	----	**33**	----	----	**25**
Silt (2-60 µm)	%	1	----	----	----	----	----	----	----	**35**	----	----	**43**
Sand (0.06-2.00 mm)	%	1	----	----	----	----	----	----	----	**16**	----	----	**9**
Gravel (>2mm)	%	1	----	----	----	----	----	----	----	**16**	----	----	**23**
Cobbles (>6cm)	%	1	----	----	----	----	----	----	----	<1	----	----	<1
Exchange Acidity / Cations													
Exchange Acidity	meq/100g		----	----	----	----	----	----	----				
Exchangeable Aluminium	meq/100g		----	----	----	----	----	----	----				
Exchangeable Calcium	meq/100g		----	----	----	----	----	----	**35.1**				
Exchangeable Magnesium	meq/100g		----	----	----	----	----	----	**12.2**				
Exchangeable Potassium	meq/100g		----	----	----	----	----	----	**2.2**				
Exchangeable Sodium	meq/100g		----	----	----	----	----	----	**0.1**				
Cation Exchange Capacity	meq/100g		----	----	----	----	----	----	**49.6**				

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**		
Workgroup:	EB2616449	**ALS Sample Number:**	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB2616449001	EB2616449002	EB2616449003	EB2616449011		
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	07/05/2026	07/05/2026	07/05/2026	08/05/2026		
		Client sample ID (1st):	T.B-9	T.B-10	T.B-11	T.B-12	T.B-13	T.B-14	T.B-15	TG_16_0.1	TG_17_0.1	TG_18_0.1	AMP_23_0.1		
		Client sample ID (2nd):													
		Depth Type:													
		Depth (m):													
		Site:													
		Purchase Order:	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	25008	25008	25008	25008		
Analyte grouping/Analyte	**Unit**	**Limit of reporting**													
Exchangeable Sodium Percent	%		----	----	----	----	----	----	**0.2**						
Calcium/Magnesium Ratio			----	----	----	----	----	----	**2.9**						
Magnesium/Potassium Ratio			----	----	----	----	----	----	**5.5**						
Soluble Sulfate / Sulfur / Chloride															
Sulfate as SO4 2-			----	----	----	----	----	----	----						
Sulfur - Total as S (LECO)			----	----	----	----	----	----	**0.03**						
Chloride			----	----	----	----	----	----	----						
Soluble Major Cations															
Calcium			----	----	----	----	----	----	----						
Magnesium			----	----	----	----	----	----	----						
Sodium			----	----	----	----	----	----	----						
Potassium			----	----	----	----	----	----	----						
Total Metals by ICP-AES															
Arsenic	mg/kg	5	<5	<5	<5	<5	<5	<5	<5	----	<5	<5	----		
Cadmium	mg/kg	1	<1	<1	<1	<1	<1	<1	<1	----	<1	<1	----		
Chromium	mg/kg	2	**40**	**48**	**42**	**40**	**19**	**30**	**23**	----	**58**	**65**	----		
Copper	mg/kg	5	**25**	**22**	**19**	**20**	**15**	**20**	**16**	----	**31**	**22**	----		
Lead	mg/kg	5	<5	<5	**14**	<5	<5	<5	<5	----	<5	<5	----		
Nickel	mg/kg	2	**44**	**43**	**48**	**49**	**29**	**44**	**26**	----	**65**	**45**	----		
Zinc	mg/kg	5	**86**	**81**	**74**	**71**	**56**	**66**	**57**	----	**117**	**105**	----		
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	----	<0.1	<0.1	----		
Nutrients															
Ammonia as N	mg/kg	20	<20	<20	<20	<20	<20	<20	----	----	**80**	**50**	----		
Nitrite as N (Sol.)	mg/kg	0.1	**0.2**	<0.1	<0.1	<0.2	<0.1	<0.1	----	----	<0.1	<0.1	----		
Nitrate as N (Sol.)	mg/kg	0.1	**7.5**	**0.7**	**1.3**	**1.1**	**1.2**	**4.6**	**57.1**	----	**0.6**	<0.1	----		
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	**7.7**	**0.7**	**1.3**	**1.1**	**1.2**	**4.6**	----	----	**0.6**	<0.1	----		
Total Kjeldahl Nitrogen as N	mg/kg	20	**3960**	**2480**	**4700**	**5850**	**2110**	**2610**	**7270**	----	**1140**	**3630**	----		
Total Nitrogen as N	mg/kg	20	**3970**	**2480**	**4700**	**5850**	**2110**	**2610**	**7330**	----	**1140**	**3630**	----		
Total Phosphorus as P	mg/kg	2	**2360**	**2000**	**3340**	**3700**	**2140**	**2140**	**2340**	----	**271**	**2140**	----		
Reactive Phosphorus as P			----	----	----	----	----	----	----						
Bicarbonate Ext. P (Colwell)			----	----	----	----	----	----	----						
EP004: Organic Matter															
Organic Matter	%	0.5	----	----	----	----	----	----	**18.0**						

Note:

1 Where a value of a contaminant is les

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Workgroup:	EB2616449	**ALS Sample Number:**	EB2616449012	EB2616449013	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	08/05/2026	08/05/2026	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025
		Client sample ID (1st):	AMP_24_0.1	AMP_25_0.1	T.B-1	T.B-2	T.B-3	T.B-4	T.B-5	T.B-6	T.B-7	T.B-8	T.B-9	T.B-10	
		Client sample ID (2nd):													
		Depth Type:													
		Depth (m):													
		Site:													
		Purchase Order:	25008	25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	

Analyte grouping/Analyte	**Unit**	**Limit of reporting**												
Physio Chemical Properties														
pH Value					----	----	----	----	----	----	----	----	----	----
Sodium Adsorption Ratio					----	----	----	----	----	----	----	----	----	----
Electrical Conductivity @ 25°C					----	----	----	----	----	----	----	----	----	----
Total Soluble Salts					----	----	----	----	----	----	----	----	----	----
Moisture Content	%	1.0	**7.8**	**19.0**	**35.8**	**36.9**	**34.6**	**33.7**	**42.6**	**35.4**	**32.4**	**40.3**	**36.6**	**29.2**
Color (Munsell)			----	----	----	----	----	----	----	----	----	----	----	----
Texture			----	----	----	----	----	----	----	----	----	----	----	----
Emerson Class Number			----	----	----	----	----	----	----	----	----	----	----	----
EA150: Particle Sizing														
+75µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+150µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+300µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+425µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+600µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+1180µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+2.36mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+4.75mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+9.5mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+19.0mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+37.5mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
+75.0mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----
EA150: Soil Classification based on Particle Size														
Clay (<2 µm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----
Silt (2-60 µm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----
Sand (0.06-2.00 mm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----
Gravel (>2mm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----
Cobbles (>6cm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----
Exchange Acidity / Cations														
Exchange Acidity	meq/100g				----	----	----	----	----	----	----	----	----	----
Exchangeable Aluminium	meq/100g				----	----	----	----	----	----	----	----	----	----
Exchangeable Calcium	meq/100g				----	----	----	----	----	----	----	----	----	----
Exchangeable Magnesium	meq/100g				----	----	----	----	----	----	----	----	----	----
Exchangeable Potassium	meq/100g				----	----	----	----	----	----	----	----	----	----
Exchangeable Sodium	meq/100g				----	----	----	----	----	----	----	----	----	----
Cation Exchange Capacity	meq/100g				----	----	----	----	----	----	----	----	----	----

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Workgroup:	EB2616449	**ALS Sample Number:**	EB2616449012	EB2616449013	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:	EB25302600:
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	08/05/2026	08/05/2026	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025
		Client sample ID (1st):	AMP_24_0.1	AMP_25_0.1	T.B-1	T.B-2	T.B-3	T.B-4	T.B-5	T.B-6	T.B-7	T.B-8	T.B-9	T.B-10		
		Client sample ID (2nd):														
		Depth Type:														
		Depth (m):														
		Site:														
		Purchase Order:	25008	25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008		

Analyte grouping/Analyte	**Unit**	**Limit of reporting**														
Exchangeable Sodium Percent	%				----	----	----	----	----	----	----	----	----	----		
Calcium/Magnesium Ratio					----	----	----	----	----	----	----	----	----	----		
Magnesium/Potassium Ratio					----	----	----	----	----	----	----	----	----	----		
Soluble Sulfate / Sulfur / Chloride																
Sulfate as SO4 2-					----	----	----	----	----	----	----	----	----	----		
Sulfur - Total as S (LECO)					----	----	----	----	----	----	----	----	----	----		
Chloride					----	----	----	----	----	----	----	----	----	----		
Soluble Major Cations																
Calcium					----	----	----	----	----	----	----	----	----	----		
Magnesium					----	----	----	----	----	----	----	----	----	----		
Sodium					----	----	----	----	----	----	----	----	----	----		
Potassium					----	----	----	----	----	----	----	----	----	----		
Total Metals by ICP-AES																
Arsenic	mg/kg	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Cadmium	mg/kg	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Chromium	mg/kg	2	**42**	**48**	**36**	**29**	**46**	**54**	**25**	**62**	**65**	**38**	**40**	**48**		
Copper	mg/kg	5	**15**	**15**	**17**	**15**	**23**	**26**	**16**	**27**	**30**	**22**	**25**	**22**		
Lead	mg/kg	5	<5	<5	<5	<5	<5	<5	<5	**7**	<5	<5	<5	<5		
Nickel	mg/kg	2	**34**	**57**	**43**	**35**	**51**	**63**	**32**	**73**	**55**	**47**	**44**	**43**		
Zinc	mg/kg	5	**78**	**66**	**73**	**62**	**103**	**84**	**71**	**107**	**120**	**81**	**86**	**81**		
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Nutrients																
Ammonia as N	mg/kg	20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20		
Nitrite as N (Sol.)	mg/kg	0.1	**0.8**	**0.8**	<0.1	**0.2**	**0.2**	<0.1	**0.8**	**0.1**	**0.2**	**0.2**	**0.2**	<0.1		
Nitrate as N (Sol.)	mg/kg	0.1	**8.9**	**66**	**8.6**	**5.7**	**4.6**	**1.1**	**9.3**	**1.7**	**177**	**10.7**	**7.5**	**0.7**		
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	**9.7**	**66.8**	**8.6**	**5.9**	**4.8**	**1.1**	**10.1**	**1.8**	**177**	**10.9**	**7.7**	**0.7**		
Total Kjeldahl Nitrogen as N	mg/kg	20	**7050**	**8600**	**4110**	**4900**	**4340**	**4300**	**8000**	**4540**	**4950**	**4340**	**3960**	**2480**		
Total Nitrogen as N	mg/kg	20	**7060**	**8670**	**4120**	**4900**	**4340**	**4300**	**8010**	**4540**	**5130**	**4350**	**3970**	**2480**		
Total Phosphorus as P	mg/kg	2	**1800**	**2070**	**1410**	**1510**	**2680**	**3620**	**2960**	**2980**	**2640**	**2340**	**2360**	**2000**		
Reactive Phosphorus as P					----	----	----	----	----	----	----	----	----	----		
Bicarbonate Ext. P (Colwell)					----	----	----	----	----	----	----	----	----	----		
EP004: Organic Matter																
Organic Matter	%	0.5														

Note:

1 Where a value of a contaminant is les

														Statistics for Soils within Timber Getters EcoCamp Area		
Matrix:	SOIL		**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**					
Workgroup:	EB2616449		**ALS Sample Number:**	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB2616449001	EB2616449002	EB2616449003					
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025		**Sample Date:**	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	07/05/2026	07/05/2026	07/05/2026					
			Client sample ID (1st):	T.B-11	T.B-12	T.B-13	T.B-14	T.B-15	TG_16_0.1	TG_17_0.1	TG_18_0.1					
			Client sample ID (2nd):													
			Depth Type:													
			Depth (m):													
			Site:													
			Purchase Order:	PO25008	PO25008	PO25008	PO25008	PO25008	25008	25008	25008					
Analyte grouping/Analyte	**Unit**	**Limit of reporting**										Minimum Value within EcoCamp Area		Maximum Value within EcoCamp Area		Mean Value within EcoCamp Area
Physio Chemical Properties																
pH Value				----	----	----	----	----					0.00		0.00	#DIV/0!
Sodium Adsorption Ratio				----	----	----	----	**0.24**					0.00		0.00	#DIV/0!
Electrical Conductivity @ 25°C				----	----	----	----	----					0.00		0.00	#DIV/0!
Total Soluble Salts				----	----	----	----	**357**					0.00		0.00	#DIV/0!
Moisture Content	%	1.0		**38.3**	**30.6**	**26.8**	**35.7**	**49.3**	----	**30.3**	**24.3**		0.00		0.00	#DIV/0!
Color (Munsell)				----	----	----	----	----	**Weak Red (2.5Y**	----	----					
Texture				----	----	----	----	----	**Silty Clay Loam**	----	----					
Emerson Class Number				----	----	----	----	----	**3**	----	----					
EA150: Particle Sizing																
+75µm	%	1		----	----	----	----	----	**31**	----	----					
+150µm	%	1		----	----	----	----	----	**29**	----	----					
+300µm	%	1		----	----	----	----	----	**27**	----	----					
+425µm	%	1		----	----	----	----	----	**26**	----	----					
+600µm	%	1		----	----	----	----	----	**24**	----	----					
+1180µm	%	1		----	----	----	----	----	**21**	----	----					
+2.36mm	%	1		----	----	----	----	----	**14**	----	----					
+4.75mm	%	1		----	----	----	----	----	**3**	----	----					
+9.5mm	%	1		----	----	----	----	----	<1	----	----					
+19.0mm	%	1		----	----	----	----	----	<1	----	----					
+37.5mm	%	1		----	----	----	----	----	<1	----	----					
+75.0mm	%	1		----	----	----	----	----	<1	----	----					
EA150: Soil Classification based on Particle Size																
Clay (<2 µm)	%	1		----	----	----	----	----	**33**	----	----					
Silt (2-60 µm)	%	1		----	----	----	----	----	**35**	----	----					
Sand (0.06-2.00 mm)	%	1		----	----	----	----	----	**16**	----	----					
Gravel (>2mm)	%	1		----	----	----	----	----	**16**	----	----					
Cobbles (>6cm)	%	1		----	----	----	----	----	<1	----	----					
Exchange Acidity / Cations																
Exchange Acidity	meq/100g			----	----	----	----	----					0.00		0.00	#DIV/0!
Exchangeable Aluminium	meq/100g			----	----	----	----	----					0.00		0.00	#DIV/0!
Exchangeable Calcium	meq/100g			----	----	----	----	**35.1**					0.00		0.00	#DIV/0!
Exchangeable Magnesium	meq/100g			----	----	----	----	**12.2**					0.00		0.00	#DIV/0!
Exchangeable Potassium	meq/100g			----	----	----	----	**2.2**					0.00		0.00	#DIV/0!
Exchangeable Sodium	meq/100g			----	----	----	----	**0.1**					0.00		0.00	#DIV/0!
Cation Exchange Capacity	meq/100g			----	----	----	----	**49.6**					0.00		0.00	#DIV/0!

Matrix:	SOIL	Sample Type:	REG	REG	REG	REG	REG	REG	REG	REG	Statistics for Soils within Timber Getters EcoCamp Area		
Workgroup:	EB2616449	ALS Sample Number:	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB2616449001	EB2616449002	EB2616449003	Minimum Value within EcoCamp Area	Maximum Value within EcoCamp Area	Mean Value within EcoCamp Area
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	Sample Date:	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	07/05/2026	07/05/2026	07/05/2026			
		Client sample ID (1st):	T.B-11	T.B-12	T.B-13	T.B-14	T.B-15	TG_16_0.1	TG_17_0.1	TG_18_0.1			
		Client sample ID (2nd):											
		Depth Type:											
		Depth (m):											
		Site:											
		Purchase Order:	PO25008	PO25008	PO25008	PO25008	PO25008	25008	25008	25008			
Analyte grouping/Analyte	**Unit**	**Limit of reporting**											
Exchangeable Sodium Percent	%		----	----	----	----	**0.2**				0.00	0.00	#DIV/0!
Calcium/Magnesium Ratio			----	----	----	----	**2.9**				0.00	0.00	#DIV/0!
Magnesium/Potassium Ratio			----	----	----	----	**5.5**				0.00	0.00	#DIV/0!
Soluble Sulfate / Sulfur / Chloride													
Sulfate as SO4 2-			----	----	----	----	----						
Sulfur - Total as S (LECO)			----	----	----	----	**0.03**						
Chloride			----	----	----	----	----						
Soluble Major Cations													
Calcium			----	----	----	----	----						
Magnesium			----	----	----	----	----						
Sodium			----	----	----	----	----						
Potassium			----	----	----	----	----						
Total Metals by ICP-AES													
Arsenic	mg/kg	5	<5	<5	<5	<5	<5	----	<5	<5			
Cadmium	mg/kg	1	<1	<1	<1	<1	<1	----	<1	<1			
Chromium	mg/kg	2	**42**	**40**	**19**	**30**	**23**	----	**58**	**65**	19.00	65.00	42.35
Copper	mg/kg	5	**19**	**20**	**15**	**20**	**16**	----	**31**	**22**	15.00	31.00	21.53
Lead	mg/kg	5	**14**	<5	<5	<5	<5	----	<5	<5	7.00	14.00	10.50
Nickel	mg/kg	2	**48**	**49**	**29**	**44**	**26**	----	**65**	**45**	26.00	73.00	46.59
Zinc	mg/kg	5	**74**	**71**	**56**	**66**	**57**	----	**117**	**105**	56.00	120.00	83.18
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	----	<0.1	<0.1			
Nutrients													
Ammonia as N	mg/kg	20	<20	<20	<20	<20	----	----	**80**	**50**	50	80	65
Nitrite as N (Sol.)	mg/kg	0.1	<0.1	<0.2	<0.1	<0.1	----	----	<0.1	<0.1	0	1	0
Nitrate as N (Sol.)	mg/kg	0.1	**1.3**	**1.1**	**1.2**	**4.6**	**57.1**	----	**0.6**	<0.1	1	177	18
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	**1.3**	**1.1**	**1.2**	**4.6**	----	----	**0.6**	<0.1	1	177	16
Total Kjeldahl Nitrogen as N	mg/kg	20	**4700**	**5850**	**2110**	**2610**	**7270**	----	**1140**	**3630**	1140	8000	4308
Total Nitrogen as N	mg/kg	20	**4700**	**5850**	**2110**	**2610**	**7330**	----	**1140**	**3630**	1140	8010	4324
Total Phosphorus as P	mg/kg	2	**3340**	**3700**	**2140**	**2140**	**2340**	----	**271**	**2140**	271	3700	2387
Reactive Phosphorus as P			----	----	----	----	----				0	0	#DIV/0!
Bicarbonate Ext. P (Colwell)			----	----	----	----	----				0	0	#DIV/0!
EP004: Organic Matter													
Organic Matter	%	0.5											

Note:

1 Where a value of a contaminant is les

Matrix:	SOIL		**Sample Type:**	**REG**		**REG**		**REG**		**REG**		**REG**		**REG**		**REG**		**REG**		**Statistics fo**
Workgroup:	EB2616449		**ALS Sample Number:**	EB2530260043		EB2530260044		EB2530260045		EB2530260046		EB2530260047		EB2530260048		EB2530260049		EB2530260050		EB2530260051		
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025		**Sample Date:**	29/08/2025		29/08/2025		29/08/2025		29/08/2025		29/08/2025		29/08/2025		29/08/2025		29/08/2025		29/08/2025		Minimum Value within Irrigation Area
			Client sample ID (1st):	TG_I-1-100		TG_I-1-300		TG_I-1-600		TG_I-2-100		TG_I-2-300		TG_I-2-600		TG_I-3-100		TG_I-3-300		TG_I-3-600		
			Client sample ID (2nd):																			
			Depth Type:																			
			Depth (m):																			
			Site:																			
			Purchase Order:	PO25008		PO25008		PO25008		PO25008		PO25008		PO25008		PO25008		PO25008		PO25008		
Analyte grouping/Analyte	**Unit**	**Limit of reporting**																				
Physio Chemical Properties																						
pH Value				**6.5**		**6.4**		**6.3**		----		**6.3**		**6.1**		**6.2**		**6**		**6.1**		6.00
Sodium Adsorption Ratio				**1.67**		**1.58**		**1.75**		**0.78**		**0.82**		**1.89**		**0.42**		**0.42**		**0.59**		0.42
Electrical Conductivity @ 25°C				**19**		**23**		**17**		----		**13**		**12**		**14**		**10**		**11**		10.00
Total Soluble Salts				**64**		**77**		**57**		**65**		**44**		**39**		**47**		**33**		**37**		33.00
Moisture Content	%	1.0		**45.8**		**29.7**		**28.6**		**32.3**		**30.3**		**32.1**		**30.5**		**37.4**		**30.5**		28.60
Color (Munsell)				----		**Dusky Red (2.5**		**Very Dark Gray**		----		**Very Dark Brow**		**Dark Brown (7.5**		----		**Very Dark Brow**		**Very Dark Brown (7.5YR 2.5/2)**		
Texture				----		**Light Medium Cl**		**Light Medium Cl**		----		**Medium Heavy (**		**Light Medium Cl**		----		**Light Medium Cl**		**Medium Clay**		
Emerson Class Number				----		**5**		**7**		----		**5**		**7**		----		**7**		**7**		
EA150: Particle Sizing																						
+75µm	%	1		----		**17**		**50**		----		**14**		**22**		----		**21**		**24**		
+150µm	%	1		----		**14**		**49**		----		**12**		**21**		----		**19**		**22**		
+300µm	%	1		----		**12**		**48**		----		**9**		**18**		----		**17**		**20**		
+425µm	%	1		----		**11**		**48**		----		**8**		**17**		----		**16**		**19**		
+600µm	%	1		----		**11**		**48**		----		**8**		**17**		----		**16**		**18**		
+1180µm	%	1		----		**9**		**46**		----		**6**		**14**		----		**15**		**16**		
+2.36mm	%	1		----		**7**		**44**		----		**4**		**11**		----		**12**		**12**		
+4.75mm	%	1		----		**4**		**33**		----		<1		**4**		----		**8**		**6**		
+9.5mm	%	1		----		<1		**13**		----		<1		<1		----		<1		**3**		
+19.0mm	%	1		----		<1		<1		----		<1		<1		----		<1		<1		
+37.5mm	%	1		----		<1		<1		----		<1		<1		----		<1		<1		
+75.0mm	%	1		----		<1		<1		----		<1		<1		----		<1		<1		
EA150: Soil Classification based on Particle Size																						
Clay (<2 µm)	%	1		----		**45**		**22**		----		**44**		**32**		----		**35**		**30**		
Silt (2-60 µm)	%	1		----		**37**		**28**		----		**40**		**45**		----		**41**		**45**		
Sand (0.06-2.00 mm)	%	1		----		**10**		**5**		----		**12**		**11**		----		**11**		**11**		
Gravel (>2mm)	%	1		----		**8**		**45**		----		**4**		**12**		----		**13**		**14**		
Cobbles (>6cm)	%	1		----		<1		<1		----		<1		<1		----		<1		<1		
Exchange Acidity / Cations																						
Exchange Acidity	meq/100g			----		----		----		----		----		----		----				**0.2**		----		0.20
Exchangeable Aluminium	meq/100g			----		----		----		----		----		----		----		<0.1		----				0.00
Exchangeable Calcium	meq/100g			**13.5**		**9.5**		**11.3**		**10.4**		**9**		**10.3**		**10.1**		**12**		**11.4**		9.00
Exchangeable Magnesium	meq/100g			**7.6**		**7.7**		**5.4**		**7.5**		**7.4**		**6.4**		**6.5**		**6.5**		**6.1**		5.40
Exchangeable Potassium	meq/100g			**0.9**		**1**		**0.9**		**1**		**1**		**0.9**		**0.9**		**0.8**		**0.9**		0.80
Exchangeable Sodium	meq/100g			**0.4**		**0.3**		**0.3**		**0.1**		**0.1**		**0.2**	<0.1		<0.1			**0.1**		0.10
Cation Exchange Capacity	meq/100g			**22.4**		**18.6**		**18.1**		**19.1**		**17.6**		**17.9**		**17.6**		**19.5**		**18.6**		17.60

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**Statistics fo**
Workgroup:	EB2616449	**ALS Sample Number:**	EB2530260043	EB2530260044	EB2530260045	EB2530260046	EB2530260047	EB2530260048	EB2530260049	EB2530260050	EB2530260051	
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	29/08/2025	Minimum Value within Irrigation Area
		Client sample ID (1st):	TG_I-1-100	TG_I-1-300	TG_I-1-600	TG_I-2-100	TG_I-2-300	TG_I-2-600	TG_I-3-100	TG_I-3-300	TG_I-3-600	
		Client sample ID (2nd):										
		Depth Type:										
		Depth (m):										
		Site:										
		Purchase Order:	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	
Analyte grouping/Analyte	**Unit**	**Limit of reporting**										
Exchangeable Sodium Percent	%		**1.8**	**1.7**	**1.8**	**0.7**	**0.8**	**1.3**	**0.5**	**0.4**	**0.7**	0.40
Calcium/Magnesium Ratio			**1.8**	**1.2**	**2.1**	**1.4**	**1.2**	**1.6**	**1.6**	**1.8**	**1.9**	1.20
Magnesium/Potassium Ratio			**8.6**	**7.6**	**5.9**	**7.6**	**7.5**	**7.4**	**7.5**	**7.8**	**6.8**	5.90
Soluble Sulfate / Sulfur / Chloride												
Sulfate as SO4 2-			<10	<10	<10	----	**10**	**10**	<10	<10	<10	
Sulfur - Total as S (LECO)			**0.03**	<0.01	**0.03**	**0.01**	**0.01**	**0.02**	**0.02**	**0.02**	**0.02**	
Chloride			**20**	<10	<10	----	<10	<10	<10	**10**	<10	
Soluble Major Cations												
Calcium			<10	<10	<10	----	<10	<10	<10	<10	<10	
Magnesium			<10	<10	<10	----	<10	<10	<10	<10	<10	
Sodium			**20**	**20**	<10	----	**10**	**10**	<10	<10	<10	
Potassium			<10	<10	<10	----	<10	<10	<10	<10	<10	
Total Metals by ICP-AES												
Arsenic	mg/kg	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Cadmium	mg/kg	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chromium	mg/kg	2	**39**	**50**	**42**	**49**	**55**	**51**	**57**	**56**	**48**	39.00
Copper	mg/kg	5	**21**	**24**	**18**	**21**	**23**	**29**	**68**	**51**	**33**	18.00
Lead	mg/kg	5	<5	<5	<5	<5	<5	**9**	<5	**42**	**43**	
Nickel	mg/kg	2	**39**	**50**	**42**	**51**	**54**	**68**	**58**	**64**	**70**	39.00
Zinc	mg/kg	5	**71**	**79**	**62**	**72**	**80**	**108**	**78**	**105**	**118**	62.00
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Nutrients												
Ammonia as N	mg/kg	20	----	<20	----	----	<20	<20	----	<20	**60**	
Nitrite as N (Sol.)	mg/kg	0.1	<0.1	<0.1	<0.1	----	<0.1	<0.1	<0.1	<0.1	**0.1**	
Nitrate as N (Sol.)	mg/kg	0.1	**0.2**	**0.2**	**0.1**	<0.5	**0.2**	**1.3**	**2.0**	**1.2**	**1.7**	
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	**0.2**	**0.2**	**0.1**	----	**0.2**	**1.3**	**2.0**	**1.2**	**1.8**	
Total Kjeldahl Nitrogen as N	mg/kg	20	**4210**	**1490**	**900**	**1850**	**1230**	**2630**	**1170**	**4230**	**2680**	
Total Nitrogen as N	mg/kg	20	**4210**	**1490**	**900**	**1850**	**1230**	**2630**	**1170**	**4230**	**2680**	
Total Phosphorus as P	mg/kg	2	**1940**	**1790**	**1700**	**2390**	**1900**	**3320**	**1450**	**3260**	**3410**	
Reactive Phosphorus as P			**0.2**	<0.1	**0.2**	----	<0.1	**0.3**	**0.2**	**0.2**	**0.4**	
Bicarbonate Ext. P (Colwell)			**134**	**98**	**188**	**95**	**113**	**172**	**102**	**135**	**191**	
EP004: Organic Matter												
Organic Matter	%	0.5	**12.2**	**8.1**	**11.2**	**4.2**	**3.2**	**8.7**	**7.6**	**17.6**	**10.0**	

Note:

1 Where a value of a contaminant is les

Matrix:	SOIL	**Sample Type:**	Soils within Timber Getters Irigation Area			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Workgroup:	EB2616449	**ALS Sample Number:**				EB2616449014	EB2616449015	EB2616449016		EB2530260001	EB2530260002	EB2530260003	EB2530260004	EB2530260005	EB2530260006	EB2530260007	EB2530260008
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**				08/05/2026	08/05/2026	08/05/2026		28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025
		Client sample ID (1st):				AMP_BACK_01	AMP_BACK_02	AMP_BACK_03		A.B - 1	A.B - 2	A.B - 3	A.B - 4	A.B - 5	A.B - 6	A.B - 7	A.B - 8
		Client sample ID (2nd):															
		Depth Type:															
		Depth (m):															
		Site:															
		Purchase Order:				25008	25008	25008		PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008
Analyte grouping/Analyte	**Unit**	**Limit of reporting**	Maximum Value within Irrigation Area	Mean Value within Irrigation Area	Mean of background levels												
Physio Chemical Properties																	
pH Value			6.50	6.24						----	----	----	----	----	----	----	----
Sodium Adsorption Ratio			1.89	1.10						----	----	----	----	----	----	----	----
Electrical Conductivity @ 25°C			23.00	14.88						----	----	----	----	----	----	----	----
Total Soluble Salts			77.00	51.44						----	----	----	----	----	----	----	----
Moisture Content	%	1.0	45.80	33.02		**19.7**	**18.9**	**23.2**		**34.1**	**43.6**	**46.7**	**29.5**	**25.0**	**41.6**	**30.2**	**28.2**
Color (Munsell)						----	----	----		----	----	----	----	----	----	----	----
Texture						----	----	----		----	----	----	----	----	----	----	----
Emerson Class Number						----	----	----		----	----	----	----	----	----	----	----
EA150: Particle Sizing																	
+75µm	%	1				----	----	----		----	----	----	----	----	----	----	----
+150µm	%	1				----	----	----		----	----	----	----	----	----	----	----
+300µm	%	1				----	----	----		----	----	----	----	----	----	----	----
+425µm	%	1				----	----	----		----	----	----	----	----	----	----	----
+600µm	%	1				----	----	----		----	----	----	----	----	----	----	----
+1180µm	%	1				----	----	----		----	----	----	----	----	----	----	----
+2.36mm	%	1				----	----	----		----	----	----	----	----	----	----	----
+4.75mm	%	1				----	----	----		----	----	----	----	----	----	----	----
+9.5mm	%	1				----	----	----		----	----	----	----	----	----	----	----
+19.0mm	%	1				----	----	----		----	----	----	----	----	----	----	----
+37.5mm	%	1				----	----	----		----	----	----	----	----	----	----	----
+75.0mm	%	1				----	----	----		----	----	----	----	----	----	----	----
EA150: Soil Classification based on Particle Size																	
Clay (<2 µm)	%	1				----	----	----		----	----	----	----	----	----	----	----
Silt (2-60 µm)	%	1				----	----	----		----	----	----	----	----	----	----	----
Sand (0.06-2.00 mm)	%	1				----	----	----		----	----	----	----	----	----	----	----
Gravel (>2mm)	%	1				----	----	----		----	----	----	----	----	----	----	----
Cobbles (>6cm)	%	1				----	----	----		----	----	----	----	----	----	----	----
Exchange Acidity / Cations																	
Exchange Acidity	meq/100g		0.20	0.20						----	----	----	----	----	----	----	----
Exchangeable Aluminium	meq/100g		0.00	#DIV/0!						----	----	----	----	----	----	----	----
Exchangeable Calcium	meq/100g		13.50	10.83						----	----	----	----	----	----	----	----
Exchangeable Magnesium	meq/100g		7.70	6.79						----	----	----	----	----	----	----	----
Exchangeable Potassium	meq/100g		1.00	0.92						----	----	----	----	----	----	----	----
Exchangeable Sodium	meq/100g		0.40	0.21						----	----	----	----	----	----	----	----
Cation Exchange Capacity	meq/100g		22.40	18.82						----	----	----	----	----	----	----	----

Matrix:	SOIL	**Sample Type:**	**Soils within Timber Getters Irigation Area**			REG	REG	REG	REG	REG	REG	REG	REG	REG
Workgroup:	EB2616449	**ALS Sample Number:**			EB2616449014	EB26164490	EB26164490		EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**			08/05/2026	08/05/2026	08/05/2026		28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025
		Client sample ID (1st):			AMP_BACK_01	AMP_BACK_(	AMP_BACK_(		A.B - 1	A.B - 2	A.B - 3	A.B - 4	A.B - 5	A.B - 6
		Client sample ID (2nd):												
		Depth Type:												
		Depth (m):												
		Site:												
		Purchase Order:			25008	25008	25008		PO25008	PO25008	PO25008	PO25008	PO25008	PO25008
Analyte grouping/Analyte	**Unit**	**Limit of reporting**	Maximum Value within Irrigation Area	Mean Value within Irrigation Area				Mean of background levels 1						
Exchangeable Sodium Percent	%		1.80	1.08					----	----	----	----	----	----
Calcium/Magnesium Ratio			2.10	1.62					----	----	----	----	----	----
Magnesium/Potassium Ratio			8.60	7.41					----	----	----	----	----	----
Soluble Sulfate / Sulfur / Chloride														
Sulfate as SO4 2-									----	----	----	----	----	----
Sulfur - Total as S (LECO)									----	----	----	----	----	----
Chloride									----	----	----	----	----	----
Soluble Major Cations														
Calcium									----	----	----	----	----	----
Magnesium									----	----	----	----	----	----
Sodium									----	----	----	----	----	----
Potassium									----	----	----	----	----	----
Total Metals by ICP-AES														
Arsenic	mg/kg	5			<5	<5	<5	2.5	<5	<5	<5	<5	<5	<5
Cadmium	mg/kg	1			<1	<1	<1	0.5	<1	<1	<1	<1	<1	<1
Chromium	mg/kg	2	57.00	49.67	**38**	**46**	**47**	44	**62**	**48**	**51**	**48**	**37**	**58**
Copper	mg/kg	5	68.00	32.00	**14**	**15**	**15**	15	**20**	**18**	**17**	**10**	**13**	**13**
Lead	mg/kg	5			<5	<5	<5	2.5	<5	<5	**5**	<5	<5	<5
Nickel	mg/kg	2	70.00	55.11	**68**	**67**	**70**	68	**58**	**53**	**50**	**41**	**49**	**57**
Zinc	mg/kg	5	118.00	85.89	**62**	**64**	**72**	66	**58**	**77**	**74**	**54**	**50**	**54**
Mercury	mg/kg	0.1			<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nutrients														
Ammonia as N	mg/kg	20			<20	<20	<20		<20	<20	<20	<20	<20	<20
Nitrite as N (Sol.)	mg/kg	0.1			**0.1**	<0.1	**0.1**	**0.23**	**0.1**	**1.0**	**1.3**	<0.1	**0.1**	**0.1**
Nitrate as N (Sol.)	mg/kg	0.1			**0.9**	<0.1	**1.3**	**0.90**	**4.6**	**9.9**	**13.4**	**1.4**	**0.6**	**6.5**
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1			**1**	<0.1	**1.4**	**0.97**	**4.7**	**10.9**	**14.7**	**1.4**	**0.7**	**6.6**
Total Kjeldahl Nitrogen as N	mg/kg	20			**3230**	**3690**	**4050**	**3657**	**4810**	**8530**	**8160**	**2280**	**3500**	**4810**
Total Nitrogen as N	mg/kg	20			**3230**	**3690**	**4050**	**3657**	**4810**	**8540**	**8170**	**2280**	**3500**	**4820**
Total Phosphorus as P	mg/kg	2			**1840**	**2180**	**1640**	**1887**	**2400**	**1760**	**2400**	**2390**	**2550**	**2270**
Reactive Phosphorus as P									----	----	----	----	----	----
Bicarbonate Ext. P (Colwell)									----	----	----	----	----	----
EP004: Organic Matter														
Organic Matter	%	0.5							----	----	----	----	----	----

Note:

1 Where a value of a contaminant is les

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Workgroup:	EB2616449	**ALS Sample Number:**	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB2530260017	EB2530260018
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025
		Client sample ID (1st):	A.B - 7	A.B - 8	A.B - 9	A.B - 10	A.B - 11	A.B - 12	A.B - 13	A.B - 14	A.B - 15	A.B - 16	A.B - 17	A.B - 18		
		Client sample ID (2nd):														
		Depth Type:														
		Depth (m):														
		Site:														
		Purchase Order:	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008		

Analyte grouping/Analyte	**Unit**	**Limit of reporting**														
Physio Chemical Properties																
pH Value			----	----	----	----	----	----	----	----	----	----	----	----	----	----
Sodium Adsorption Ratio			----	----	----	----	----	----	----	----	----	----	----	----	----	----
Electrical Conductivity @ 25°C			----	----	----	----	----	----	----	----	----	----	----	----	----	----
Total Soluble Salts			----	----	----	----	----	----	----	----	----	----	----	----	----	----
Moisture Content	%	1.0	**23.1**	**23.5**	**25.1**	**24.1**	**30.4**	**32.7**	**35.2**	**36.6**	**28.4**	**39.8**	**46.7**	**36.7**		
Color (Munsell)			----	----	----	----	----	----	----	----	----	----	----	----	----	----
Texture			----	----	----	----	----	----	----	----	----	----	----	----	----	----
Emerson Class Number			----	----	----	----	----	----	----	----	----	----	----	----	----	----
EA150: Particle Sizing																
+75µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+150µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+300µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+425µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+600µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+1180µm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+2.36mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+4.75mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+9.5mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+19.0mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+37.5mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
+75.0mm	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
EA150: Soil Classification based on Particle Size																
Clay (<2 µm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Silt (2-60 µm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Sand (0.06-2.00 mm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Gravel (>2mm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cobbles (>6cm)	%	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Exchange Acidity / Cations																
Exchange Acidity	meq/100g		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Exchangeable Aluminium	meq/100g		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Exchangeable Calcium	meq/100g		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Exchangeable Magnesium	meq/100g		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Exchangeable Potassium	meq/100g		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Exchangeable Sodium	meq/100g		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cation Exchange Capacity	meq/100g		----	----	----	----	----	----	----	----	----	----	----	----	----	----

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**	**REG**
Workgroup:	EB2616449	**ALS Sample Number:**	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB25302600	EB2530260017	EB2530260018
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025
		Client sample ID (1st):	A.B - 7	A.B - 8	A.B - 9	A.B - 10	A.B - 11	A.B - 12	A.B - 13	A.B - 14	A.B - 15	A.B - 16	A.B - 17	A.B - 18
		Client sample ID (2nd):												
		Depth Type:												
		Depth (m):												
		Site:												
		Purchase Order:	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008
Analyte grouping/Analyte	**Unit**	**Limit of reporting**												
Exchangeable Sodium Percent	%		----	----	----	----	----	----	----	----	----	----	----	----
Calcium/Magnesium Ratio			----	----	----	----	----	----	----	----	----	----	----	----
Magnesium/Potassium Ratio			----	----	----	----	----	----	----	----	----	----	----	----
Soluble Sulfate / Sulfur / Chloride														
Sulfate as SO4 2-			----	----	----	----	----	----	----	----	----	----	----	----
Sulfur - Total as S (LECO)			----	----	----	----	----	----	----	----	----	----	----	----
Chloride			----	----	----	----	----	----	----	----	----	----	----	----
Soluble Major Cations														
Calcium			----	----	----	----	----	----	----	----	----	----	----	----
Magnesium			----	----	----	----	----	----	----	----	----	----	----	----
Sodium			----	----	----	----	----	----	----	----	----	----	----	----
Potassium			----	----	----	----	----	----	----	----	----	----	----	----
Total Metals by ICP-AES														
Arsenic	mg/kg	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Cadmium	mg/kg	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	mg/kg	2	**43**	**35**	**52**	**25**	**45**	**54**	**53**	**74**	**45**	**61**	**22**	**56**
Copper	mg/kg	5	**12**	**11**	**16**	**13**	**17**	**16**	**12**	**14**	**10**	**14**	**15**	**19**
Lead	mg/kg	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel	mg/kg	2	**59**	**51**	**64**	**77**	**64**	**68**	**48**	**57**	**42**	**44**	**75**	**63**
Zinc	mg/kg	5	**49**	**45**	**60**	**66**	**62**	**66**	**52**	**62**	**42**	**86**	**56**	**51**
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nutrients														
Ammonia as N	mg/kg	20	<20	<20	<20	<20	<20	<20	<20	**50**	<20	<20	<20	<20
Nitrite as N (Sol.)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.4**	<0.1	**0.2**	**0.2**	**0.6**	**0.3**
Nitrate as N (Sol.)	mg/kg	0.1	**0.2**	<0.1	**0.2**	**0.1**	**0.4**	**1.1**	**6.1**	**13.6**	**23.5**	**6.1**	**7.4**	**10.6**
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	**0.2**	<0.1	**0.2**	**0.1**	**0.4**	**1.1**	**6.5**	**13.6**	**23.7**	**6.3**	**8.0**	**10.9**
Total Kjeldahl Nitrogen as N	mg/kg	20	**2970**	**2830**	**3040**	**3340**	**4640**	**2930**	**5830**	**5020**	**5640**	**5110**	**9050**	**6730**
Total Nitrogen as N	mg/kg	20	**2970**	**2830**	**3040**	**3340**	**4640**	**2930**	**5840**	**5030**	**5660**	**5120**	**9060**	**6740**
Total Phosphorus as P	mg/kg	2	**2900**	**2760**	**2120**	**2160**	**2020**	**1320**	**1920**	**2240**	**1340**	**1550**	**1110**	**2150**
Reactive Phosphorus as P			----	----	----	----	----	----	----	----	----	----	----	----
Bicarbonate Ext. P (Colwell)			----	----	----	----	----	----	----	----	----	----	----	----
EP004: Organic Matter														
Organic Matter	%	0.5	----	----	----	----	----	----	----	----	----	----	----	----

Note:

1 Where a value of a contaminant is les

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**Statistics for Soils within Amphitheater EcoCamp Area**			**REG**	**REG**	**REG**
Workgroup:	EB2616449	**ALS Sample Number:**	EB2530260052	EB2616449011	EB2616449012	EB2616449013				EB2530260019	EB2530260020	EB2530260021
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	28/08/2025	08/05/2026	08/05/2026	08/05/2026	Minimum Value within EcoCamp Area	Maximum Value within EcoCamp Area	Mean Value within EcoCamp Area	28/08/2025	28/08/2025	28/08/2025
		Client sample ID (1st):	A.B-19	AMP_23_0.1	AMP_24_0.1	AMP_25_0.1				AMP_I-1-100	AMP_I-1-300	AMP_I-1-600
		Client sample ID (2nd):										
		Depth Type:										
		Depth (m):										
		Site:										
		Purchase Order:	PO25008	25008	25008	25008				PO25008	PO25008	PO25008
Analyte grouping/Analyte	**Unit**	**Limit of reporting**										
Physio Chemical Properties												
pH Value			**5.6**				0.00	0.00	#DIV/0!	**----**	**6**	**6.4**
Sodium Adsorption Ratio			**1.14**				0.00	0.00	#DIV/0!	**0.28**	**0.59**	**0.59**
Electrical Conductivity @ 25°C			**278**				0.00	0.00	#DIV/0!	**----**	**15**	**10**
Total Soluble Salts			**947**				0.00	0.00	#DIV/0!	**152**	**51**	**33**
Moisture Content	%	1.0	**14.4**	**----**	**7.8**	**19.0**	0.00	0.00	#DIV/0!	**40.7**	**30.5**	**26.3**
Color (Munsell)			**Black (10YR 2/1**	**Dark Reddish Brow**	**----**	**----**				**Black (5YR 2.5/**	**Dusky Red (2.5**	**Dark Brown (7.5**
Texture			**Silty Clay Loam**	**Silty Loam**	**----**	**----**				**Medium Clay**	**Light Clay**	**Medium Clay**
Emerson Class Number			**7**	**7**	**----**	**----**				**7**	**7**	**7**
EA150: Particle Sizing												
+75µm	%	1	**----**	**31**	**----**	**----**				**----**	**23**	**27**
+150µm	%	1	**----**	**28**	**----**	**----**				**----**	**20**	**24**
+300µm	%	1	**----**	**27**	**----**	**----**				**----**	**16**	**21**
+425µm	%	1	**----**	**26**	**----**	**----**				**----**	**14**	**19**
+600µm	%	1	**----**	**26**	**----**	**----**				**----**	**13**	**18**
+1180µm	%	1	**----**	**24**	**----**	**----**				**----**	**11**	**16**
+2.36mm	%	1	**----**	**22**	**----**	**----**				**----**	**6**	**12**
+4.75mm	%	1	**----**	**19**	**----**	**----**				**----**	**2**	**6**
+9.5mm	%	1	**----**	<1	**----**	**----**				**----**	<1	<1
+19.0mm	%	1	**----**	<1	**----**	**----**				**----**	<1	<1
+37.5mm	%	1	**----**	<1	**----**	**----**				**----**	<1	<1
+75.0mm	%	1	**----**	<1	**----**	**----**				**----**	<1	<1
EA150: Soil Classification based on Particle Size												
Clay (<2 µm)	%	1	**----**	**25**	**----**	**----**				**----**	**22**	**19**
Silt (2-60 µm)	%	1	**----**	**43**	**----**	**----**				**----**	**54**	**54**
Sand (0.06-2.00 mm)	%	1	**----**	**9**	**----**	**----**				**----**	**16**	**14**
Gravel (>2mm)	%	1	**----**	**23**	**----**	**----**				**----**	**8**	**13**
Cobbles (>6cm)	%	1	**----**	<1	**----**	**----**				**----**	<1	<1
Exchange Acidity / Cations												
Exchange Acidity	meq/100g		**0.3**				0.00	0.00	#DIV/0!	**----**	**0.2**	**----**
Exchangeable Aluminium	meq/100g		<0.1				0.00	0.00	#DIV/0!	**----**	<0.1	**----**
Exchangeable Calcium	meq/100g		**24.8**				0.00	0.00	#DIV/0!	**19.6**	**21.3**	**19.4**
Exchangeable Magnesium	meq/100g		**10.4**				0.00	0.00	#DIV/0!	**9.8**	**12.2**	**17.4**
Exchangeable Potassium	meq/100g		**2.3**				0.00	0.00	#DIV/0!	**1.1**	**1.1**	**0.6**
Exchangeable Sodium	meq/100g		**0.6**				0.00	0.00	#DIV/0!	<0.1	**0.2**	**0.5**
Cation Exchange Capacity	meq/100g		**38.4**				0.00	0.00	#DIV/0!	**30.7**	**35**	**38**

Matrix:	SOIL		**Sample Type:**	**REG**	**REG**	**REG**	**REG**	**Statistics for Soils within Amphitheater EcoCamp Area**			**REG**	**REG**	**REG**
Workgroup:	EB2616449		**ALS Sample Number:**	EB2530260052	EB2616449011	EB2616449012	EB2616449013				EB2530260019	EB2530260020	EB2530260021
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025		**Sample Date:**	28/08/2025	08/05/2026	08/05/2026	08/05/2026	Minimum Value within EcoCamp Area	Maximum Value within EcoCamp Area	Mean Value within EcoCamp Area	28/08/2025	28/08/2025	28/08/2025
			Client sample ID (1st):	A.B-19	AMP_23_0.1	AMP_24_0.1	AMP_25_0.1				AMP_I-1-100	AMP_I-1-300	AMP_I-1-600
			Client sample ID (2nd):										
			Depth Type:										
			Depth (m):										
			Site:										
			Purchase Order:	PO25008	25008	25008	25008				PO25008	PO25008	PO25008
Analyte grouping/Analyte	**Unit**	**Limit of reporting**											
Exchangeable Sodium Percent	%			**1.7**				0.00	0.00	#DIV/0!		**0.3**	**0.6**	**1.4**
Calcium/Magnesium Ratio				**2.4**				0.00	0.00	#DIV/0!		**2**	**1.7**	**1.1**
Magnesium/Potassium Ratio				**4.5**				0.00	0.00	#DIV/0!		**8.7**	**10.8**	**31**
Soluble Sulfate / Sulfur / Chloride														
Sulfate as SO4 2-				**100**							**----**	<10	<10	
Sulfur - Total as S (LECO)				**0.03**							**0.04**	**0.02**	**0.02**	
Chloride				**230**							**----**	<10	<10	
Soluble Major Cations														
Calcium				**150**							**----**	<10	<10	
Magnesium				**80**							**----**	<10	<10	
Sodium				**80**							**----**	<10	**10**	
Potassium				**160**							**----**	<10	<10	
Total Metals by ICP-AES														
Arsenic	mg/kg	5		<5	**----**	<5	<5				<5	<5	<5	
Cadmium	mg/kg	1		<1	**----**	<1	<1				<1	<1	<1	
Chromium	mg/kg	2		**41**	**----**	**42**	**48**	22.00	74.00	47.62		**44**	**49**	**50**
Copper	mg/kg	5		**17**	**----**	**15**	**15**	10.00	20.00	14.62		**16**	**16**	**13**
Lead	mg/kg	5		<5	**----**	<5	<5	5.00	5.00	5.00	<5	<5	<5	
Nickel	mg/kg	2		**75**	**----**	**34**	**57**	34.00	77.00	56.48		**64**	**69**	**67**
Zinc	mg/kg	5		**51**	**----**	**78**	**66**	42.00	86.00	59.95		**82**	**66**	**64**
Mercury	mg/kg	0.1		<0.1	**----**	<0.1	<0.1				<0.1	<0.1	<0.1	
Nutrients														
Ammonia as N	mg/kg	20		**40**	**----**	<20	<20	0	0	#DIV/0!	**----**	<20	<20	
Nitrite as N (Sol.)	mg/kg	0.1		**1.2**	**----**	**0.8**	**0.8**	0	0	#DIV/0!	**----**	<0.1	<0.1	
Nitrate as N (Sol.)	mg/kg	0.1		**165**	**----**	**8.9**	**66.0**	0	0	#DIV/0!	**16.6**	**5.4**	**1.3**	
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1		**166**	**----**	**9.7**	**66.8**	0	0	#DIV/0!	**----**	**5.4**	**1.3**	
Total Kjeldahl Nitrogen as N	mg/kg	20		**7360**	**----**	**7050**	**8600**	0	0	#DIV/0!	**5570**	**3120**	**1200**	
Total Nitrogen as N	mg/kg	20		**7530**	**----**	**7060**	**8670**	0	0	#DIV/0!	**5590**	**3120**	**1200**	
Total Phosphorus as P	mg/kg	2		**2260**	**----**	**1800**	**2070**	0	0	#DIV/0!	**1850**	**1670**	**1400**	
Reactive Phosphorus as P				**5.8**				0	0	#DIV/0!	**----**	**0.7**	**0.7**	
Bicarbonate Ext. P (Colwell)				**226**				0	0	#DIV/0!	**60**	**98**	**76**	
EP004: Organic Matter														
Organic Matter	%	0.5		**22.3**							**17.8**	**7.7**	**2.4**	

Note:

1 Where a value of a contaminant is les

Matrix:	SOIL	**Sample Type:**	**REG**		**REG**		**REG**					**Statistics for Soils within Amphitheater Irigation Area**	
Workgroup:	EB2616449	**ALS Sample Number:**	EB2530260022		EB2530260023		EB2530260024	EB25302600	EB25302600	EB25302600			
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	28/08/2025		28/08/2025		28/08/2025	28/08/2025	28/08/2025	28/08/2025	Minimum Value within Irrigation Area	Maximum Value within Irrigation Area	Mean Value within Irrigation Area
		Client sample ID (1st):	AMP_I-2-100		AMP_I-2-300		AMP_I-2-600	AMP_I-3-100	AMP_I-3-300	AMP_I-3-600			
		Client sample ID (2nd):											
		Depth Type:											
		Depth (m):											
		Site:											
		Purchase Order:	PO25008		PO25008		PO25008	PO25008	PO25008	PO25008			
Analyte grouping/Analyte	**Unit**	**Limit of reporting**											
Physio Chemical Properties													
pH Value				**6**		**5.8**	**5.7**	**6.2**	**5.9**	**6**	5.70	6.40	6.00
Sodium Adsorption Ratio				**0.37**		**0.66**	**1.79**	**0.8**	**0.93**	**1**	0.28	1.79	0.78
Electrical Conductivity @ 25°C				**13**		**19**	**16**	**35**	**33**	**22**	10.00	35.00	20.38
Total Soluble Salts				**43**		**63**	**55**	**120**	**113**	**76**	33.00	152.00	78.44
Moisture Content	%	1.0		**48.5**		**35.9**	**25.6**	**36.4**	**39.3**	**28.5**	25.60	48.50	34.63
Color (Munsell)			----		**Very Dark Gray**		**Dark Reddish Bl**	----	**Very Dark Gr**	**Reddish Black (2.5YR 2.5/1)**			
Texture			----		**Light Medium Cl**		**Light Clay**	----	**Light Medium**	**Light Clay**			
Emerson Class Number			----		**7**		**3**	----	**7**	**7**			
EA150: Particle Sizing													
+75µm	%	1	----		**23**		**30**	----	**16**	**17**			
+150µm	%	1	----		**20**		**26**	----	**14**	**16**			
+300µm	%	1	----		**18**		**24**	----	**13**	**15**			
+425µm	%	1	----		**16**		**24**	----	**12**	**14**			
+600µm	%	1	----		**16**		**23**	----	**11**	**13**			
+1180µm	%	1	----		**14**		**22**	----	**9**	**10**			
+2.36mm	%	1	----		**9**		**19**	----	**6**	**4**			
+4.75mm	%	1	----		**6**		**15**	----	**1**	<1			
+9.5mm	%	1	----		**4**		**11**	----	<1	<1			
+19.0mm	%	1	----		<1		<1	----	<1	<1			
+37.5mm	%	1	----		<1		<1	----	<1	<1			
+75.0mm	%	1	----		<1		<1	----	<1	<1			
EA150: Soil Classification based on Particle Size													
Clay (<2 µm)	%	1	----		**18**		**16**	----	**18**	**19**			
Silt (2-60 µm)	%	1	----		**57**		**53**	----	**66**	**64**			
Sand (0.06-2.00 mm)	%	1	----		**14**		**11**	----	**9**	**11**			
Gravel (>2mm)	%	1	----		**11**		**20**	----	**7**	**6**			
Cobbles (>6cm)	%	1	----		<1		<1	----	<1	<1			
Exchange Acidity / Cations													
Exchange Acidity	meq/100g			**0.1**		**0.2**	**0.7**	----		**0.1**	**0.1**	0.10	0.70	0.23
Exchangeable Aluminium	meq/100g		<0.1		<0.1		**0.4**	----	<0.1	<0.1		0.40	0.40	0.40
Exchangeable Calcium	meq/100g			**24.4**		**17.7**	**13.6**	**24.1**	**16.8**	**13**		13.00	24.40	18.88
Exchangeable Magnesium	meq/100g			**11**		**12**	**13.4**	**10.8**	**9.2**	**8.1**		8.10	17.40	11.54
Exchangeable Potassium	meq/100g			**1.4**		**0.9**	**0.6**	**1.2**	**1**	**0.8**		0.60	1.40	0.97
Exchangeable Sodium	meq/100g			**0.2**		**0.2**	**0.3**	**0.3**	**0.3**	**0.2**		0.20	0.50	0.28
Cation Exchange Capacity	meq/100g			**37.1**		**31**	**28.6**	**36.4**	**27.4**	**22.2**		22.20	38.00	31.82

Matrix:	SOIL	**Sample Type:**	**REG**	**REG**	**REG**				**Statistics for Soils within Amphitheater Irigation Area**		
Workgroup:	EB2616449	**ALS Sample Number:**	EB2530260022	EB2530260023	EB2530260024	EB25302600:	EB25302600:	EB25302600			
Project name/number:	25008_Spicers_Soil_Quality_Survey 2025	**Sample Date:**	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	28/08/2025	Minimum Value within Irrigation Area	Maximum Value within Irrigation Area	Mean Value within Irrigation Area
		Client sample ID (1st):	AMP_I-2-100	AMP_I-2-300	AMP_I-2-600	AMP_I-3-100	AMP_I-3-300	AMP_I-3-600			
		Client sample ID (2nd):									
		Depth Type:									
		Depth (m):									
		Site:									
		Purchase Order:	PO25008	PO25008	PO25008	PO25008	PO25008	PO25008			
Analyte grouping/Analyte	**Unit**	**Limit of reporting**									
Exchangeable Sodium Percent	%		**0.6**	**0.7**	**1.2**	**0.8**	**1**	**1.1**	0.30	1.40	0.86
Calcium/Magnesium Ratio			**2.2**	**1.5**	**1**	**2.2**	**1.8**	**1.6**	1.00	2.20	1.68
Magnesium/Potassium Ratio			**7.8**	**12.9**	**23.9**	**8.8**	**8.8**	**9.5**	7.80	31.00	13.58
Soluble Sulfate / Sulfur / Chloride											
Sulfate as SO4 2-			<10	<10	<10	<10	**10**	<10			
Sulfur - Total as S (LECO)			**0.02**	**0.02**	**0.01**	**0.04**	**0.04**	**0.03**			
Chloride			**10**	<10	<10	**10**	**10**	**10**			
Soluble Major Cations											
Calcium			<10	<10	<10	**10**	<10	<10			
Magnesium			<10	<10	<10	<10	<10	<10			
Sodium			**20**	**10**	**10**	**20**	**20**	**20**			
Potassium			<10	<10	<10	**20**	**10**	<10			
Total Metals by ICP-AES											
Arsenic	mg/kg	5	<5	<5	<5	<5	<5	<5			
Cadmium	mg/kg	1	<1	<1	<1	<1	<1	<1			
Chromium	mg/kg	2	**46**	**59**	**57**	**66**	**60**	**69**	44.00	69.00	55.56
Copper	mg/kg	5	**13**	**13**	**12**	**13**	**11**	**11**	11.00	16.00	13.11
Lead	mg/kg	5	<5	<5	<5	<5	<5	<5			
Nickel	mg/kg	2	**71**	**62**	**58**	**57**	**49**	**52**	49.00	71.00	61.00
Zinc	mg/kg	5	**59**	**64**	**58**	**59**	**51**	**58**	51.00	82.00	62.33
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Nutrients											
Ammonia as N	mg/kg	20	<20	<20	<20	<20	<20	<20			
Nitrite as N (Sol.)	mg/kg	0.1	**0.1**	<0.1	<0.1	**0.4**	**0.3**	<0.1			
Nitrate as N (Sol.)	mg/kg	0.1	**3.1**	**11.5**	**5.7**	**17.6**	**17.4**	**11.4**			
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	**3.2**	**11.5**	**5.7**	**18.0**	**17.7**	**11.4**			
Total Kjeldahl Nitrogen as N	mg/kg	20	**5440**	**4290**	**1760**	**6790**	**4980**	**3700**			
Total Nitrogen as N	mg/kg	20	**5440**	**4300**	**1760**	**6810**	**5000**	**3710**			
Total Phosphorus as P	mg/kg	2	**1520**	**2250**	**2060**	**1960**	**1820**	**1920**			
Reactive Phosphorus as P			**1.1**	**1.0**	**1.2**	**1.5**	**0.8**	**0.8**			
Bicarbonate Ext. P (Colwell)			**106**	**117**	**114**	**81**	**74**	**82**			
EP004: Organic Matter											
Organic Matter	%	0.5	**2.7**	**13.1**	**8.2**	**2.9**	**11.8**	**10.1**			

Note:

1 Where a value of a contaminant is les