

High Speed Rail (Crewe to Manchester)

Background information and data

Agriculture, forestry and soils

BID AG-002-0MA05

MA05: Risley to Bamfurlong

Agriculture, forestry and soils baseline data

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Department
for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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1 Introduction

- 1.1.1 This report presents agriculture, forestry and soils baseline data for the Risley to Bamfurlong area (MA05).
- 1.1.2 The following content comprises the individual soil data logs for the soil profiles observed as part of the survey undertaken of those parts of the study area for which published Agricultural Land Classification information was unavailable as referenced in the Environmental Statement (see Volume 5: Appendix AG-001-0MA05)¹.

1.2 Soil data

- 1.2.1 The observed soil profile data are shown below in Table 1 on baseline borehole survey sheets. The location of each survey point is identified by a grid reference.

¹ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement, MA05 Risley to Bamfurlong, Agriculture, forestry and soils assessment*. Volume 5: Appendix AG-001-0MA05. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-environmental-statement>.

Background Information and Data

BID AG-002-0MA05

Agriculture, forestry and soils

MA05: Risley to Bamfurlong

Agriculture, forestry and soils baseline data

Table 1: Baseline borehole survey records

Table with 29 columns and 61 rows. Columns include Company, Date of soil survey, Land parcel reference, CFA farm ID, Soil type (T, U, L), Borehole no., Borehole ID (Auto generated on save), Survey site name, Easting coordinate, Northing coordinate, Lower depth of horizon (cm), Texture, Colour (Munsell soil colour chart), Consistency, Subsoil structure, Calcareous, Average annual rainfall, Soil handling class, Size, Shape, OM %, pH value, P mg/l, K mg/l, Mg mg/l, total N mg/l, Gley, Stone content % total, Stone content %>2cm, Stone content %>6cm, Stone lithology, Slowly permeable layer, Wetness class, Limiting factor (1), Limiting factor (2), Limiting factor (3), ALC grade, and Soil survey category.

Background Information and Data

BID AG-002-0MA05

Agriculture, forestry and soils

MA05: Risley to Bamfurlong

Agriculture, forestry and soils baseline data

Company	Date of soil survey	Land parcel reference	CFA farm ID	Unique borehole ID		Borehole ID (Auto generated on save)	Survey site name	Borehole location		Soil							Structure ped		Soil nutrients						Gley	Stone content % total	Stone content % <2cm	Stone content % >6cm	Stone lithology	Slowly permeable layer	Wetness class	Limiting factor (1)	Limiting factor (2)	Limiting factor (3)	ALC grade	Soil survey category			
				Soil type (T, U, L)	Borehole no			Easting coordinate (X)	Northing coordinate (Y)	Lower depth of horizon (cm)	Texture	Colour (Munsell soil colour chart)	Consistency	Subsoil structure	Calcareous	Average annual rainfall	Soil handling class	Size	Shape	OM %	pH value	P mg/l	K mg/l	Mg mg/l													total N mg/l		
RAC	27/09/2018	L5141	MA05	T	5199	L5141_T_5199	MA05 L5141	360800	399900	20	MCL - Clay loam (medium)	10YR4/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Medium	Subangular Blocky									No	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	27/09/2018	L5141	MA05	U	5199	L5141_U_5199	MA05 L5141	360800	399900	40	HCL - Clay loam (heavy)	7.5YR5/4	Very firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	Angular Blocky									No	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	27/09/2018	L5141	MA05	L1	5199	L5141_L1_5199	MA05 L5141	360800	399900	120	HCL - Clay loam (heavy)	7.5YR5/3	Very firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	Angular Blocky									Gley	1	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	04/10/2018	L5199	MA05	T	5136	L5199_T_5136	MA05 L5199	362801	398192	12	HCL - Clay loam (heavy)	10YR3/2	Very firm	Moderate	No	700-1000mm	Low resilience	Medium	SAB - Subangular Blocky									No	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	4	Survey type 3
RAC	04/10/2018	L5199	MA05	U	5136	L5199_U_5136	MA05 L5199	362801	398192	120	C - Clay	10YR5/3	Firm	Poor	No	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Yes	0	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	4	Survey type 3
RAC	04/10/2018	L5199	MA05	T	5137	L5199_T_5137	MA05 L5199	362800	398300	15	HCL - Clay loam (heavy)	10YR3/2	Very firm	Moderate	No	700-1000mm	Low resilience	Medium	SAB - Subangular Blocky									No	0	0	0	Soft	No	Class IV	Wetness	N/A	N/A	4	Survey type 3
RAC	04/10/2018	L5199	MA05	U	5137	L5199_U_5137	MA05 L5199	362800	398300	120	C - Clay	10YR5/3	Firm	Poor	No	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Yes	0	0	0	Soft	Yes	Class IV	Wetness	N/A	N/A	4	Survey type 3
RAC	04/10/2018	L5199	MA05	T	5138	L5199_T_5138	MA05 L5199	362700	398300	10	HCL - Clay loam (heavy)	10YR3/2	Very firm	Moderate	No	700-1000mm	Low resilience	Medium	SAB - Subangular Blocky									No	0	0	0	Soft	No	Class IV	Wetness	N/A	N/A	4	Survey type 3
RAC	04/10/2018	L5199	MA05	U	5138	L5199_U_5138	MA05 L5199	362700	398300	120	C - Clay	10YR5/3	Firm	Poor	No	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Yes	0	0	0	Soft	Yes	Class IV	Wetness	N/A	N/A	4	Survey type 3
RAC	02/11/2018	L5230	MA05	T	5088	L5230_T_5088	MA05 L5230	363700	395800	25	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate	No	700-1000mm	Low resilience	Medium	SAB - Subangular Blocky									No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	U	5088	L5230_U_5088	MA05 L5230	363700	395800	45	MCL - Clay loam (medium)	10YR4/4	Firm	Moderate	No	700-1000mm	Low resilience	Medium	SAB - Subangular Blocky									No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	L1	5088	L5230_L1_5088	MA05 L5230	363700	395800	90	C - Clay	10YR6/6	Firm	Poor	No	700-1000mm	Low resilience	Coarse	AB - Angular Blocky									Yes	2	0	0	Hard	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	L2	5088	L5230_L2_5088	MA05 L5230	363700	395800	110	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate	No	700-1000mm	Low resilience	Coarse	AB - Angular Blocky									No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	L3	5088	L5230_L3_5088	MA05 L5230	363700	395800	120	C - Clay	10YR5/1	Firm	Poor	No	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Yes	2	0	0	Hard	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	T	5090	L5230_T_5090	MA05 L5230	363700	395900	25	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate	No	700-1000mm	Low resilience	Medium	SAB - Subangular Blocky									No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	U	5090	L5230_U_5090	MA05 L5230	363700	395900	40	MCL - Clay loam (medium)	10YR4/4	Firm	Moderate	No	700-1000mm	Low resilience	Coarse	SAB - Subangular Blocky									No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	L1	5090	L5230_L1_5090	MA05 L5230	363700	395900	85	C - Clay	10YR5/6	Firm	Poor	No	700-1000mm	Low resilience	Coarse	AB - Angular Blocky									Yes	2	0	0	Hard	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	L2	5090	L5230_L2_5090	MA05 L5230	363700	395900	110	mS - Sand (Medium)	10YR6/1	Friable	Moderate	No	700-1000mm	High resilience	Fine	SG - Single grain									Yes	0	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3
RAC	02/11/2018	L5230	MA05	T	5091	L5230_T_5091	MA05 L5230	363700	396000	25	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate	No	700-1000mm	Low resilience	Medium	SAB - Subangular Blocky									No	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	02/11/2018	L5230	MA05	U	5091	L5230_U_5091	MA05 L5230	363700	396000	35	MCL - Clay loam (medium)	10YR4/2	Firm	Moderate	No	700-1000mm	Low resilience	Medium	AB - Angular Blocky									No	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	02/11/2018	L5230	MA05	L1	5091	L5230_L1_5091	MA05 L5230	363700	396000	120	C - Clay	10YR5/1	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Yes	0	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	T	5113	L5242_T_5113	MA05 L5242	363300	397000	24	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Medium	Subangular Blocky			5.6	5.9	5	20.3	113		No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	U	5113	L5242_U_5113	MA05 L5242	363300	397000	35	C - Clay	10YR4/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	Angular Blocky			1.1	6.5	<2.5	46.8	197		No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	L1	5113	L5242_L1_5113	MA05 L5242	363300	397000	120	C - Clay	10YR6/3	Firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Gley	1	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	T	5115	L5242_T_5115	MA05 L5242	363200	397000	23	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Medium	Subangular Blocky									No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	U	5115	L5242_U_5115	MA05 L5242	363200	397000	40	C - Clay	10YR4/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	Angular Blocky									No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	L1	5115	L5242_L1_5115	MA05 L5242	363200	397000	120	C - Clay	10YR6/3	Firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Gley	1	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	T	5117	L5242_T_5117	MA05 L5242	363100	397000	20	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Medium	Subangular Blocky			6.7	5.8	7.6	77.3	145		No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	U	5117	L5242_U_5117	MA05 L5242	363100	397000	35	C - Clay	10YR4/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	Angular Blocky			1.2	6.2	<2.5	70.9	217		No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	L1	5117	L5242_L1_5117	MA05 L5242	363100	397000	120	C - Clay	10YR6/3	Firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Gley	1	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	T	5118	L5242_T_5118	MA05 L5242	363000	397000	20	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Medium	Subangular Blocky									No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	U	5118	L5242_U_5118	MA05 L5242	363000	397000	40	C - Clay	10YR4/2	Firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	Angular Blocky									No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	L1	5118	L5242_L1_5118	MA05 L5242	363000	397000	120	C - Clay	10YR6/3	Firm	Moderate	Yes	700-1000mm	Low resilience	Coarse	PRIS - Prismatic									Gley	1	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L5242	MA05	T	5119	L5242_T_5119	MA05 L5242	363300	397100	24	MCL - Clay loam (medium)	10YR3/2	Firm	Moderate																									

Background Information and Data

BID AG-002-0MA05

Agriculture, forestry and soils

MA05: Risley to Bamfurlong

Agriculture, forestry and soils baseline data

Company	Date of soil survey	Land parcel reference	CFA farm ID	Unique borehole ID		Borehole ID (Auto generated on save)	Survey site name	Borehole location		Lower depth of horizon (cm)	Soil					Structure ped		Soil nutrients						Gley	Stone content % total	Stone content % <2cm	Stone content % >6cm	Stone lithology	Slowly permeable layer	Wetness class	Limiting factor (1)	Limiting factor (2)	Limiting factor (3)	ALC grade	Soil survey category		
				Soil type (T, U, L)	Borehole no			Easting coordinate (X)	Northing coordinate (Y)		Texture	Colour (Munsell soil colour chart)	Consistency	Subsoil structure	Calcareous	Average annual rainfall	Soil handling class	Size	Shape	OM %	pH value	P mg/l	K mg/l													Mg mg/l	Total N mg/l
RAC	14/11/2018	L5331	MA05	L1	5108	L5331_L1_5108	MA05 L5331	363500	396900	120	mS - Sand (Medium)	10YR6/2	Very friable	Moderate	No	700-1000mm	High resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	N/A	N/A	1	Survey type 3
RAC	29/08/2018	L5398	MA05	T	5098	L5398_T_5098	MA05 L5398	363200	396300	20	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky	4.3	6.2	16	87.8	163	No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5098	L5398_U_5098	MA05 L5398	363200	396300	40	HCL - Clay loam (heavy)	10YR5/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky	1.3	7.1	4.8	66.1	164	Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L1	5098	L5398_L1_5098	MA05 L5398	363200	396300	65	HCL - Clay loam (heavy)	2.5Y6/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L2	5098	L5398_L2_5098	MA05 L5398	363200	396300	120	C - Clay	5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic						Yes	0	0	0	Soft	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	T	5100	L5398_T_5100	MA05 L5398	363300	396400	25	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky						No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5100	L5398_U_5100	MA05 L5398	363300	396400	43	MCL - Clay loam (heavy)	10YR5/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L1	5100	L5398_L1_5100	MA05 L5398	363300	396400	65	HCL - Clay loam (heavy)	2.5Y6/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L2	5100	L5398_L2_5100	MA05 L5398	363300	396400	120	C - Clay	5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic						Yes	0	0	0	Soft	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	T	5103	L5398_T_5103	MA05 L5398	363400	396500	25	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky	5	6.6	17	85	137	No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5103	L5398_U_5103	MA05 L5398	363400	396500	44	HCL - Clay loam (heavy)	10YR5/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky	2	7.3	6.8	54.8	183	Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L1	5103	L5398_L1_5103	MA05 L5398	363400	396500	65	HCL - Clay loam (heavy)	2.5Y6/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L2	5103	L5398_L2_5103	MA05 L5398	363400	396500	120	C - Clay	5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic						Yes	0	0	0	Soft	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	T	5104	L5398_T_5104	MA05 L5398	363500	396600	20	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky						No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5104	L5398_U_5104	MA05 L5398	363500	396600	40	HCL - Clay loam (heavy)	10YR5/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L1	5104	L5398_L1_5104	MA05 L5398	363500	396600	65	HCL - Clay loam (heavy)	2.5Y6/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L2	5104	L5398_L2_5104	MA05 L5398	363500	396600	120	C - Clay	5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic						Yes	0	0	0	Soft	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	T	5105	L5398_T_5105	MA05 L5398	363400	396600	24	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky						No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5105	L5398_U_5105	MA05 L5398	363400	396600	40	HCL - Clay loam (heavy)	10YR5/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L1	5105	L5398_L1_5105	MA05 L5398	363400	396600	65	HCL - Clay loam (heavy)	2.5Y6/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L2	5105	L5398_L2_5105	MA05 L5398	363400	396600	120	C - Clay	5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic						Yes	0	0	0	Soft	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	T	5106	L5398_T_5106	MA05 L5398	363400	396700	20	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky	4.7	6.7	17	162	190	No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5106	L5398_U_5106	MA05 L5398	363400	396700	40	HCL - Clay loam (heavy)	10YR5/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky	2.1	7.3	5.8	130	387	Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L1	5106	L5398_L1_5106	MA05 L5398	363400	396700	65	HCL - Clay loam (heavy)	2.5Y6/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L2	5106	L5398_L2_5106	MA05 L5398	363400	396700	120	C - Clay	5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic						Yes	0	0	0	Soft	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	T	5107	L5398_T_5107	MA05 L5398	363400	396800	25	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky						No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5107	L5398_U_5107	MA05 L5398	363400	396800	38	MCL - Clay loam (heavy)	10YR5/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L1	5107	L5398_L1_5107	MA05 L5398	363400	396800	65	HCL - Clay loam (heavy)	2.5Y6/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L2	5107	L5398_L2_5107	MA05 L5398	363400	396800	120	C - Clay	5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic						Yes	0	0	0	Soft	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	T	5109	L5398_T_5109	MA05 L5398	363300	396900	26	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky						No	2	0	0	Hard	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5109	L5398_U_5109	MA05 L5398	363300	396900	44	HCL - Clay loam (heavy)	10YR5/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L1	5109	L5398_L1_5109	MA05 L5398	363300	396900	65	HCL - Clay loam (heavy)	2.5Y6/3	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky						Yes	0	0	0	Soft	No	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	L2	5109	L5398_L2_5109	MA05 L5398	363300	396900	120	C - Clay	5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic						Yes	0	0	0	Soft	Yes	Class III	Wetness	N/A	N/A	3a	Survey type 3	
RAC	29/08/2018	L5398	MA05	T	5110	L5398_T_5110	MA05 L5398	363200	396900	28	MCL - Clay loam (medium)	10YR4/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky	4.5	7	15.6	77	146	No	0	0	0	Hard	No	Class III	Wetness	N/A	N/A	3b	Survey type 3	
RAC	29/08/2018	L5398	MA05	U	5110	L5398_U_5110	MA05 L5398	363200	396900	60	C - Clay	7.5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky	1	7.8	2.8	63.6	334	Yes	1	0	0	Hard								

Background Information and Data

BID AG-002-0MA05

Agriculture, forestry and soils

MA05: Risley to Bamfurlong

Agriculture, forestry and soils baseline data

Company	Date of soil survey	Land parcel reference	CFA farm ID	Unique borehole ID		Borehole location		Soil							Structure ped		Soil nutrients						Gley	Stone content % total	Stone content % <2cm	Stone content % >6cm	Stone lithology	Slowly permeable layer	Wetness class	Limiting factor (1)	Limiting factor (2)	Limiting factor (3)	ALC grade	Soil survey category								
				Soil type (T, U, L)	Borehole no	Borehole ID (Auto generated on save)	Survey site name	Easting coordinate (X)	Northing coordinate (Y)	Lower depth of horizon (cm)	Texture	Colour (Munsell soil colour chart)	Consistency	Subsoil structure	Calcareous	Average annual rainfall	Soil handling class	Size	Shape	OM %	pH value	P mg/l													K mg/l	Mg mg/l	total N mg/l					
RAC	29/08/2018	L6071	MA05	L1	5220	L6071_L1_5220	MA05 L6071	360400	400800	120	HCL - Clay loam (heavy)	10YR4/2	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Angular Blocky												No	0	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	29/08/2018	L6071	MA05	T	5221	L6071_T_5221	MA05 L6071	360300	400800	30	HCL - Clay loam (heavy)	10YR3/2	Very firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky	1.9	7.1	<2.5	47.6	469						No	0	1	0	Hard	No	Class II	Wetness	N/A	N/A	3b	Survey type 3	
RAC	29/08/2018	L6071	MA05	U	5221	L6071_U_5221	MA05 L6071	360300	400800	120	HCL - Clay loam (heavy)	10YR5/1	Very firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky	8.2	5.9	11.6	184	95.2					Yes	0	1	0	Hard	No	Class II	Wetness	N/A	N/A	3b	Survey type 3		
RAC	29/08/2018	L6071	MA05	T	5222	L6071_T_5222	MA05 L6071	360400	400900	35	MCL - Clay loam (medium)	10YR3/2	Very firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky											0	0	0	Soft	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	29/08/2018	L6071	MA05	U	5222	L6071_U_5222	MA05 L6071	360400	400900	65	C - Clay	10YR6/2	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky										Yes	0	0	0	Soft	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	29/08/2018	L6071	MA05	L1	5222	L6071_L1_5222	MA05 L6071	360400	400900	120	C - Clay	2.5Y5/1	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic										Yes	0	0	0	Soft	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	29/08/2018	L6071	MA05	T	5223	L6071_T_5223	MA05 L6071	360300	400900	25	MCL - Clay loam (medium)	10YR3/2	Very firm	N/A	No	700-1000mm	Low resilience	Coarse	Angular Blocky										No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	29/08/2018	L6071	MA05	U	5223	L6071_U_5223	MA05 L6071	360300	400900	50	C - Clay	2.5Y6/2	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky										Yes	1	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	29/08/2018	L6071	MA05	L1	5223	L6071_L1_5223	MA05 L6071	360300	400900	120	C - Clay	7.5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic										Yes	1	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	29/08/2018	L6071	MA05	T	5224	L6071_T_5224	MA05 L6071	360200	400900	20	MCL - Clay loam (medium)	10YR3/2	Very firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky	8.2	5.9	11.6	184	95.2				No	1	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6071	MA05	U	5224	L6071_U_5224	MA05 L6071	360200	400900	120	C - Clay	2.5Y5/2	Very firm	Poor	No	700-1000mm	Low resilience	Very coarse	Prismatic	2.7	7	<2.5	56.8	129				Yes	0	0	0	Soft	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	21/11/2018	L6094	MA05	T	5075	L6094_T_5075	MA05 L6094	364400	395000	25	MCL - Clay loam (medium)	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Subangular Blocky										No	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	21/11/2018	L6094	MA05	U	5075	L6094_U_5075	MA05 L6094	364400	395000	35	HCL - Clay loam (heavy)	10YR4/4	Very firm	Moderate	Yes	700-1000mm	Low resilience	Very coarse	Angular Blocky										No	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	21/11/2018	L6094	MA05	L1	5075	L6094_L1_5075	MA05 L6094	364400	395000	120	C - Clay	5YR5/4	Very firm	Poor	Yes	700-1000mm	Low resilience	Very coarse	Prismatic										Yes	5	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3		
RAC	29/08/2018	L6100	MA05	T	5206	L6100_T_5206	MA05 L6100	360600	400100	25	MSZL - Medium sandy silt loam	10YR4/2	Friable	N/A	No	700-1000mm	High resilience	Fine	Granular	6.4	5.6	5.2	48	125				None	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	U	5206	L6100_U_5206	MA05 L6100	360600	400100	45	C - Clay	2.5Y6/2	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Subangular Blocky	2.1	6.3	3.8	37.5	209				Yes	3	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	L1	5206	L6100_L1_5206	MA05 L6100	360600	400100	120	C - Clay	7.5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky									Yes	5	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	T	5207	L6100_T_5207	MA05 L6100	360400	400000	26	MSZL - Medium sandy silt loam	10YR4/2	Friable	N/A	No	700-1000mm	High resilience	Fine	Granular									None	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	U	5207	L6100_U_5207	MA05 L6100	360400	400000	50	C - Clay	2.5Y6/2	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Subangular Blocky									Yes	3	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	L1	5207	L6100_L1_5207	MA05 L6100	360400	400000	120	C - Clay	7.5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky									Yes	5	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	T	5208	L6100_T_5208	MA05 L6100	360500	400100	23	MSZL - Medium sandy silt loam	10YR4/2	Friable	N/A	No	700-1000mm	High resilience	Fine	Granular									None	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	U	5208	L6100_U_5208	MA05 L6100	360500	400100	45	C - Clay	2.5Y6/2	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Subangular Blocky									Yes	3	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	L1	5208	L6100_L1_5208	MA05 L6100	360500	400100	120	C - Clay	7.5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky									Yes	5	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	T	5209	L6100_T_5209	MA05 L6100	360400	400100	26	MSZL - Medium sandy silt loam	10YR4/2	Friable	N/A	No	700-1000mm	High resilience	Fine	Granular									None	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	U	5209	L6100_U_5209	MA05 L6100	360400	400100	50	C - Clay	2.5Y6/2	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Subangular Blocky									Yes	3	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	L1	5209	L6100_L1_5209	MA05 L6100	360400	400100	120	C - Clay	7.5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky									Yes	5	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	T	5210	L6100_T_5210	MA05 L6100	360500	400200	23	MSZL - Medium sandy silt loam	10YR4/2	Friable	N/A	No	700-1000mm	High resilience	Fine	Granular									None	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	U	5210	L6100_U_5210	MA05 L6100	360500	400200	45	C - Clay	2.5Y6/2	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Subangular Blocky									Yes	3	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	L1	5210	L6100_L1_5210	MA05 L6100	360500	400200	120	C - Clay	7.5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky									Yes	5	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	T	5211	L6100_T_5211	MA05 L6100	360400	400200	25	MSZL - Medium sandy silt loam	10YR4/2	Friable	N/A	No	700-1000mm	High resilience	Fine	Granular	6.8	5.5	11.6	36.7	99				None	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	U	5211	L6100_U_5211	MA05 L6100	360400	400200	50	C - Clay	2.5Y6/2	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Subangular Blocky	1.7	6.3	<2.5	33.8	119				Yes	3	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	L1	5211	L6100_L1_5211	MA05 L6100	360400	400200	120	C - Clay	7.5YR5/3	Very firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky									Yes	5	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA05	T	5212	L6100_T_5212	MA05 L6100	360400	400300	26	MSZL - Medium sandy silt loam	10YR4/2	Friable	N/A	No	700-1000mm	High resilience	Fine	Granular									None	2	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3			
RAC	29/08/2018	L6100	MA																																							

Background Information and Data

BID AG-002-0MA05

Agriculture, forestry and soils

MA05: Risley to Bamfurlong

Agriculture, forestry and soils baseline data

Company	Date of soil survey	Land parcel reference	CFA farm ID	Unique borehole ID		Borehole ID (Auto generated on save)	Survey site name	Borehole location		Soil							Structure ped		Soil nutrients							Gley	Stone content % total	Stone content % >2cm	Stone content % >6cm	Stone lithology	Slowly permeable layer	Wetness class	Limiting factor (1)	Limiting factor (2)	Limiting factor (3)	ALC grade	Soil survey category
				Soil type (T, U, L)	Borehole no			Easting (X) coordinate	Northing (Y) coordinate	Lower depth of horizon (cm)	Texture	Colour (Munsell soil colour chart)	Consistency	Subsoil structure	Calcareous	Average annual rainfall	Soil handling class	Size	Shape	OM %	pH value	P mg/l	K mg/l	Mg mg/l	total N mg/l												
RAC	29/08/2018	L21396	MA05	U	5002	L21396_U_5002	MA05 L21396	368300	393000	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular	58.4	5.3	8.2	77	310		No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5004	L21396_T_5004	MA05 L21396	368200	393100	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5004	L21396_U_5004	MA05 L21396	368200	393100	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5006	L21396_T_5006	MA05 L21396	368100	393200	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5006	L21396_U_5006	MA05 L21396	368100	393200	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5007	L21396_T_5007	MA05 L21396	368100	393300	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular	63.9	5.2	7	91.5	319		No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5007	L21396_U_5007	MA05 L21396	368100	393300	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular	56.5	6	9.8	49.5	183		No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5008	L21396_T_5008	MA05 L21396	368000	393300	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5008	L21396_U_5008	MA05 L21396	368000	393300	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5009	L21396_T_5009	MA05 L21396	367900	393300	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5009	L21396_U_5009	MA05 L21396	367900	393300	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5010	L21396_T_5010	MA05 L21396	367800	393273	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular	56.5	6	9.8	49.5	183		No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5010	L21396_U_5010	MA05 L21396	367800	393273	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular	66.2	5.2	7.6	20.4	151		No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5011	L21396_T_5011	MA05 L21396	367667	393282	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5011	L21396_U_5011	MA05 L21396	367667	393282	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5012	L21396_T_5012	MA05 L21396	367600	393200	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5012	L21396_U_5012	MA05 L21396	367600	393200	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	T	5014	L21396_T_5014	MA05 L21396	367500	393200	20	HP - Humified peats	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	29/08/2018	L21396	MA05	U	5014	L21396_U_5014	MA05 L21396	367500	393200	120	FP - Fibrous and semifibrous peats	7.5YR2.5/2	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular							No	0	0	0	Soft	No	Class I	Wetness	Droughtiness	N/A	1	Survey type 3
RAC	18/10/2019	L21114	MA05	T	5124	L21114_T_5124	MA05 L21114	363158	397238	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	18/10/2019	L21114	MA05	T	5125	L21114_T_5125	MA05 L21114	363209	397270	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	26/09/2019	L23557	MA05	T	5028	L23557_T_5028	MA05 L23557	367200	393800	29	PL - Peaty loams	10YR2/1	Friable	N/A	No	700-1000mm	Low resilience	Fine	Granular	30.6	6.6	22.8	125	81.2		No	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3a	Survey type 3
RAC	26/09/2019	L23557	MA05	U	5028	L23557_U_5028	MA05 L23557	367200	393800	48	C - Clay	10YR5/3	Friable	Moderate	No	700-1000mm	Low resilience	Fine	Granular	3.1	6.2	11.2	74.1	94.6		Yes	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3a	Survey type 3
RAC	26/09/2019	L23557	MA05	L1	5028	L23557_L1_5028	MA05 L23557	367200	393800	120	C - Clay	7.5YR4/2	Friable	Poor	No	700-1000mm	Low resilience	Fine	Granular							Yes	0	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3a	Survey type 3
RAC	28/09/2019	L21156	MA04	T	5072	L21156_T_5072	MA05 L21156	364600	394700	24	C - Clay	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Angular Blocky							No	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	28/09/2019	L21156	MA04	U	5072	L21156_U_5072	MA05 L21156	364600	394700	40	C - Clay	10YR3/2	Firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky							No	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	28/09/2019	L21156	MA04	L1	5072	L21156_L1_5072	MA05 L21156	364600	394700	120	C - Clay	5YR4/6	Firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky							Yes	0	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	28/09/2019	L21156	MA04	T	5073	L21156_T_5073	MA05 L21156	364600	394800	25	C - Clay	10YR3/2	Firm	N/A	No	700-1000mm	Low resilience	Coarse	Angular Blocky							No	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	28/09/2019	L21156	MA04	U	5073	L21156_U_5073	MA05 L21156	364600	394800	45	C - Clay	10YR3/2	Firm	Moderate	No	700-1000mm	Low resilience	Coarse	Angular Blocky							No	0	0	0	Hard	No	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	28/09/2019	L21156	MA04	L1	5073	L21156_L1_5073	MA05 L21156	364600	394800	120	C - Clay	5YR4/6	Firm	Poor	No	700-1000mm	Low resilience	Coarse	Angular Blocky							Yes	0	0	0	Hard	Yes	Class IV	Wetness	N/A	N/A	3b	Survey type 3
RAC	17/10/2019	L5298	MA05	T	5151	L5298_T_5151	MA05 L5298	362100	398800	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	17/10/2019	L5298	MA05	T	5154	L5298_T_5154	MA05 L5298	362000	398900	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	17/10/2019	L5298	MA05	T	5155	L5298_T_5155	MA05 L5298	361900	399000	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	17/10/2019	L5298	MA05	T	5156	L5298_T_5156	MA05 L5298	361900	399100	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	17/10/2019	L5298	MA05	T	5157	L5298_T_5157	MA05 L5298	361800	399000	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	17/10/2019	L5298	MA05	T	5158	L5298_T_5158	MA05 L5298	361900	399200	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	17/10/2019	L5298	MA05	T	5159	L5298_T_5159	MA05 L5298	361800	399100	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	17/10/2019	L5298	MA05	T	5160	L5298_T_5160	MA05 L5298	361800	399200	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	16/10/2019	L5332	MA05	T	5225	L5332_T_5225	MA05 L5332	360300	401000	10	N/A	N/A	N/A	N/A	Yes	700-1000mm	N/A	N/A	N/A							N/A	0	0	0	Soft	N/A	N/A	N/A	N/A	N/A	Other land	Survey type 3
RAC	16/10/2019	L5332	MA05	T	5226	L5332_T_5226	MA05 L5332	36																													

2 References

High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement, MA05 Risley to Bamfurlong, Agriculture, forestry and soils assessment*. Volume 5: Appendix AG-001-0MA05. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-environmental-statement>.