

Appendix 1: Soil Profile Logs

Project Number	Project Name	Parcel
C882	Meerdyke Solar Farm, Lincolnshire	Area A

Date of Survey	Survey Type	Surveyor(s)	Company
04-06/05/2022	ALC	AR	Askew Land and Soil

Weather	Relief	Land use and vegetation
Dry, Sunny	Level	

Grid Reference	Postcode	Altitude	Area
TF499106	PE147DJ	0	88.5

MAFF prov	MAFF detailed	Flooding
Grade 2	None	Flood Zone 1

AAR	AT0	MDw	MDp	FCD	Climate grade
541	1445	126	123	96	1

Bedrock	Superficial deposits
Amphill Clay Formation	Tidal Flat Deposits

Soil association(s) 1:250,000	Detailed soil information
Wallasea 2	None

Revision Number	Date Revised
2	30/05/2022

Point	Grid ref.			Alt (m)	Slope °	Aspect	Land use	Depth (cm)			Matrix	Ochreous Mottles		Grey Mottles		Gley	Texture	Stones - type 1			Stones - type 2			Ped			SUBS STR	CaCO3	Mn C	SPL	Drought			Wet		Final ALC									
	NGR	X	Y					Top	Btm	Thick	Munsell colour	Form	Munsell colour	Form	Munsell colour			%	> 2cm	> 6cm	Type	%	> 2cm	> 6cm	Type	Strength					Size	Shape	NON	N	No	MBw	MBp	Gd	WC	Gw	Limitation 1	Limitation 2	Limitation 3	Grade	
																																													10YR4/3
1	TF 49700	11100	549700	311100	1	≤7	S	0 35 50	35 50 120	35 15 70	10YR4/3 10YR5/2 2.5Y5/1	CP - C.7.5YR5/6 CP - C.7.5YR5/6				Yes	C - Clay C - Clay C - Clay	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcareous	N	No	2	-18	3a	WC III	3b										Wetness				3b		
2	TF 49800	11100	549800	311100	1	≤7	S	0 45	45 120	45 75	10YR4/3 10YR5/2	CP - C.7.5YR5/6				Yes	C - Clay C - Clay	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)		NON - Non-calcareous	N	Yes	6	-14	3a	WC II	3a											Droughtiness	Wetness		3a		
3	TF 49600	11000	549600	311000	0	≤7	S	0 30 30 45 55	30 45 15 10	30 15 10	10YR4/3 10YR5/4 10YR5/2 2.5Y5/1	CP - C.7.5YR5/6 CP - C.7.5YR5/6				No Yes Yes	C - Clay C - Clay C - Clay	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcareous	N	No	4	-16	3a	WC II	3a										Droughtiness	Wetness		3a			
4	TF 49700	11000	549700	311000	1	≤7	S	0 35 80 80	35 80 45	35 15 40	10YR4/3 7.5YR5/2 2.5Y5/1	CD - C.7.5YR5/6 CP - C.10YR5/6				Yes Yes	HZCL - Silty FSL - Fine C - Clay	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcareous	N	No	34	6	2	WC II	3a											Wetness			3a		
5	TF 49800	11000	549800	311000	1	≤7	S	0 42	42 120	42 78	10YR4/3 7.5YR5/2	CD - C.7.5YR5/6				Yes	ZC - Silty ZC - Silty	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)		NON - Non-calcareous	N	Yes	4	-18	3a	WC II	3a											Droughtiness	Wetness		3a		
6	TF 49900	11000	549900	311000	1	≤7	S	0 38	38 120	38 82	10YR4/2 10YR5/2	CP - C.7.5YR5/6				Yes	ZC - Silty C - Clay	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)		NON - Non-calcareous	N	Yes	3	-17	3a	WC III	3b												Wetness			3b	
7	TF 49600	10900	549600	310900	0	≤7	S	0 45	45 120	45 75	10YR4/3 10YR5/3	CP - C.7.5YR5/6				Yes	HZCL - Silty ZC - Silty	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)		NON - Non-calcareous	N	No	14	-8	2	WC II	3a												Wetness			3a	
8	TF 49700	10900	549700	310900	1	≤7	S	0 45	45 120	45 75	10YR4/3 10YR5/2	CD - C.10YR5/6				Yes	C - Clay C - Clay	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)		NON - Non-calcareous	N	Yes	6	-14	3a	WC II	3a												Wetness	Droughtiness		3a	
9	TF 49800	10900	549800	310900	1	≤7	S	0 50	50 120	50 70	10YR4/3 10YR5/2	CD - C.10YR5/6				Yes	ZC - Silty ZC - Silty	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)		NON - Non-calcareous	N	No	8	-14	3a	WC II	3a												Wetness	Droughtiness		3a	
10	TF 49900	10900	549900	310900	1	≤7	S	0 38	38 120	38 82	10YR4/2 10YR5/2	CD - C.10YR5/6				Yes	ZC - Silty ZC - Silty	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)		NON - Non-calcareous	N	Yes	2	-20	3a	WC III	3b												Wetness			3b	
11	TF 49990	10900	549990	310900	0	≤7	S	0 30 30 55	30 55 25	30 25	10YR4/2 10YR4/3 2.5Y5/1	CP - C.10YR5/6				No Yes	ZC - Silty C - Clay C - Clay	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcareous	N	No	6	-12	3a	WC II	3a												Wetness	Droughtiness		3a	
12	TF 49700	10800	549700	310800	0	≤7	S	0 50	50 120	50 70	10YR4/2 2.5Y5/2	CP - C.7.5YR5/6				Yes	MZCL - Silty ZC - Silty	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)		NON - Non-calcareous	N	No	18	-4	2	WC II	2													Wetness	Droughtiness		2

Project Number	Project Name	Parcel
C882B	Meerdyke Solar Farm, Lincolnshire	Area B

Date of Survey	Survey Type	Surveyor(s)	Company
04-66/05/2022	ALC	AR	Askew Land and Soil

Weather	Relief	Land use and vegetation
Dry, Sunny	Level	

Grid Reference	Postcode	Altitude	Area
TF499106	PE147DJ	0	88.5

MAFF prov	MAFF detailed	Flooding
Grade 2	None	Flood Zone 1

AAR	AT0	MDw	MDp	FCD	Climate grade
541	1445	126	123	96	1

Bedrock	Superficial deposits
Amphill Clay Formation	Tidal Flat Deposits

Soil association(s) 1:250,000	Detailed soil information
Wallasea 2	None

Revision Number	Date Revised
2	30/05/2022

Point	Grid ref.			Alt (m)	Slope °	Aspect	Land use	Depth (cm)			Matrix		Ochreous Mottles		Grey Mottles		Gley	Texture	Stones - type 1			Stones - type 2			Ped			SUBS STR	CaCO3	Mn C	SPL	Drought			Wet		Final ALC				
	NGR	X	Y					Top	Btm	Thick	Munsell colour	Form	Munsell colour	Form	Munsell colour	%			> 2cm	> 6cm	Type	%	> 2cm	> 6cm	Type	Strength	Size					Shape	MBw	MBp	Gd	WC	Gw	Limitation 1	Limitation 2	Limitation 3	Grade
22	TF 49520 10800	549520	310800	1	≤7	S		0 30 80	30 80 120	30 50 40	10YR4/2 10YR5/4 10YR6/3			CD - C 10YR5/6			Yes	HZCL - Silty MZCL - Silty FSL - Fine	0 0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate Moderate Moderate				NON - Non-calcareous VSC - Very slight MC - Moderate	47	2	2	WC I	2	Droughtiness Wetness				2					
23	TF 49600 10800	549600	310800	1	≤7	S		0 30 65	30 35 120	30 10YR4/2 10YR4/3 7.5YR5/2			CP - C 7.5YR5/8			No Yes	HZCL - Silty HZCL - Silty HZCL - Silty	0 0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate Moderate Moderate				NON - Non-calcareous NON - Non-calcareous NON - Non-calcareous	35	2	2	WC I	2	Droughtiness Wetness				2						
24	TF 49500 10700	549500	310700	1	≤7	S		0 30 45	30 15 120	30 10YR4/2 10YR4/1 2.5Y5/1			FP - Fe 7.5YR4/6 CP - C 10YR5/6			No Yes	HZCL - Silty HZCL - Silty ZC - Silty	0 0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate Moderate Poor				NON - Non-calcareous NON - Non-calcareous NON - Non-calcareous	12	-10	3a	WC II	3a	Droughtiness Wetness				3a						
25	TF 49600 10700	549600	310700	1	≤7	S		0 38	38 120	38 82	10YR4/2 2.5Y5/2			CP - C 7.5YR5/6			Yes	C - Clay C - Clay	0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor				NON - Non-calcareous NON - Non-calcareous	3	-17	3a	WC III	3b	Wetness				3b					
26	TF 49700 10700	549700	310700	0	≤7	S		0 45	45 120	45 75	10YR4/2 2.5Y5/1			CP - C 7.5YR5/6			Yes	ZC - Silty C - Clay	0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor				NON - Non-calcareous NON - Non-calcareous	6	-14	3a	WC II	3a	Droughtiness Wetness				3a					
27	TF 49800 10700	549800	310700	0	≤7	S		0 45	45 120	45 75	10YR4/2 2.5Y5/2			CP - C 7.5YR5/6			Yes	C - Clay C - Clay	0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor				NON - Non-calcareous NON - Non-calcareous	6	-14	3a	WC II	3a	Droughtiness Wetness				3a					
28	TF 49900 10700	549900	310700	0	≤7	S		0 30 45	30 15 120	30 10YR4/2 10YR4/3 5Y5/1			CD - C 10YR4/6 CP - C 7.5YR5/6			No Yes	C - Clay C - Clay C - Clay	0 0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate Moderate Poor				NON - Non-calcareous NON - Non-calcareous NON - Non-calcareous	4	-16	3a	WC II	3a	Droughtiness Wetness				3a						
29	TF 49700 10600	549700	310600	0	≤7	S		0 45	45 120	45 75	10YR4/2 2.5Y5/2			CP - C 10YR5/6			Yes	C - Clay C - Clay	1 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor				NON - Non-calcareous NON - Non-calcareous	5	-15	3a	WC II	3a	Droughtiness Wetness				3a					
30	TF 49800 10600	549800	310600	0	≤7	S		0 35 45	35 10 120	35 10YR4/2 10YR4/3 2.5Y5/2			CP - C 7.5YR4/6 CP - C 7.5YR5/6			Yes Yes	C - Clay C - Clay C - Clay	0 0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor Poor Poor				NON - Non-calcareous NON - Non-calcareous NON - Non-calcareous	2	-18	3a	WC III	3b	Wetness				3b						
31	TF 49900 10600	549900	310600	0	≤7	S		0 35	35 120	35 85	10YR4/2 7.5YR5/2			CD - C 7.5YR5/6			Yes	C - Clay C - Clay	0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor				NON - Non-calcareous NON - Non-calcareous	2	-18	3a	WC III	3b	Wetness				3b					
32	TF 50000 10600	550000	310600	0	≤7	S		0 30 48 48 58	30 18 10 120	30 10YR4/2 10YR4/3 2.5Y5/2 5Y5/1			CP - C 7.5YR5/6 CP - C 10YR5/6			No Yes Yes	C - Clay C - Clay C - Clay C - Clay	0 0 0 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate Moderate Poor Poor				NON - Non-calcareous NON - Non-calcareous NON - Non-calcareous NON - Non-calcareous	5	-15	3a	WC II	3a	Droughtiness Wetness				3a						
33	TF 49800 10500	549800	310500	0	≤7	S		0 45	45 120	45 75	10YR4/2 2.5Y5/2			CP - C 7.5YR5/6			Yes	C - Clay C - Clay	1 0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger) HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor				NON - Non-calcareous NON - Non-calcareous	5	-15	3a	WC II	3a	Droughtiness Wetness				3a					

Point	Grid ref.			Alt (m)	Slope °	Aspect	Land use	Depth (cm)		Matrix	Ochreous Mottles		Grey Mottles		Gley	Texture	Stones - type 1			Stones - type 2			Ped			SUBS STR	CaCO3	Mn C	SPL	Drought			Wet		Final ALC									
	NGR	X	Y					Top	Btm	Thick	Munsell colour	Form	Munsell colour	Form			Munsell colour	%	> 2cm	> 6cm	Type	%	> 2cm	> 6cm	Type					Strength	Size	Shape	NON	Non-calcare	M	MBw	MBp	Gd	WC	Gw	Limitation 1	Limitation 2	Limitation 3	Grade
34	TF 49900	10500	549900	310500	0	≤7	S	0	35	35	10YR4/2				Yes	C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON	Non-calcare	2			-18	3a	WC III	3b	Wetness				3b										
								35	120	85	2.5Y5/1	CP - C.10YR5/6				C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON	Non-calcare	2	Yes																				
35	TF 50000	10500	550000	310500	0	≤7	S	0	30	30	10YR4/2				No	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON	Non-calcare	13			-8	2	WC I	3a	Wetness				3a											
								30	120	90	10YR4/3					C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	NON	Non-calcare	13	No																				
36	TF 50100	10500	550100	310500	0	≤7	S	0	28	28	10YR4/2				No	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON	Non-calcare	12			-6	2	WC II	3a	Wetness				3a											
								28	36	8	10YR4/3				Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	NON	Non-calcare	12	No																				
								36	48	12	2.5Y5/2	CP - C.7.5YR5/6			Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	NON	Non-calcare	12	No																				
								48	70	22	2.5Y6/2	CP - C.7.5YR5/6			Yes	MZCL - S	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	NON	Non-calcare	12	No																				
								70	120	50	5Y5/1	CP - C.7.5YR5/6			Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON	Non-calcare	12	Yes																				
37	TF 50200	10500	550200	310500	1	≤7	S	0	38	38	10YR4/2				Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON	Non-calcare	3			-17	3a	WC III	3b	Wetness				3b											
								38	120	82	2.5Y5/2	CP - C.10YR5/6				C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON	Non-calcare	3	Yes	Yes																			
38	TF 50000	10400	550000	310400	0	≤7	S	0	28	28	10YR4/2				No	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	SC - Slightly calcare	4			-16	3a	WC II	3a	Wetness	Droughtiness				3a											
								28	45	17	10YR4/3				Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	VSC - Very slight	4	No																					
								45	120	75	2.5Y5/2	MP - P.10YR5/6			Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON	Non-calcare	4	Yes																				
39	TF 50100	10400	550100	310400	0	≤7	S	0	30	30	10YR4/3				Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON	Non-calcare	0			-20	3a	WC III	3b	Wetness				3b											
								30	120	90	10YR5/2	MP - P.7.5YR5/6				C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON	Non-calcare	0	Yes	Yes																			
40	TF 50200	10400	550200	310400	0	≤7	S	0	25	25	10YR4/2				No	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON	Non-calcare	4			-16	3a	WC II	3a	Wetness	Droughtiness				3a										
								25	45	20	10YR4/3				Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	NON	Non-calcare	4	No																				
								45	120	75	2.5Y5/2	CP - C.10YR5/6			Yes	C - Clay	0		HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON	Non-calcare	4	Yes																				
END																																												

Project Number	Project Name	Parcel
C882C	Meerdyke Solar Farm, Lincolnshire	Area C

Date of Survey	Survey Type	Surveyor(s)	Company
04-06/05/2022	ALC	AR	Askew Land and Soil

Weather	Relief	Land use and vegetation
Dry, Sunny	Level	

Grid Reference	Postcode	Altitude	Area
TF499106	PE147DJ	0	88.5

MAFF prov	MAFF detailed	Flooding
Grade 2	None	Flood Zone 1

AAR	AT0	MDw	MDp	FCD	Climate grade
541	1445	126	123	96	1

Bedrock	Superficial deposits
Amphill Clay Formation	Tidal Flat Deposits

Soil association(s) 1:250,000	Detailed soil information
Wallasea 2	None

Revision Number	Date Revised
2	30/05/2022

Point	Grid ref.			Alt (m)	Slope °	Aspect	Land use	Depth (cm)			Matrix		Ochreous Mottles		Grey Mottles		Gley	Texture	Stones - type 1			Stones - type 2			Ped			SUBS STR	CaCO3	Mn C	SPL	Drought			Wet		Final ALC				
	NGR	X	Y					Top	Btm	Thick	Munsell colour	Form	Munsell colour	Form	Munsell colour	%			> 2cm	> 6cm	Type	%	> 2cm	> 6cm	Type	Strength	Size					Shape	MBw	MBp	Gd	WC	Gw	Limitation 1	Limitation 2	Limitation 3	Grade
41	TF 50600	10500	550600	310500	1	≤7	S	0	35	35	10YR4/2								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	29	-4	2	WC I	3a	Wetness				3a									
								35	60	25	7.5YR5/2	CD - C 7.5YR5/6							HZCL - Sil	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	SC - Sli	No	No																
								60	120	60	10YR5/3	MP - P 7.5YR5/6							MZCL - Sil	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	SC - Sli	No	No																
42	TF 50500	10400	550500	310400	1	≤7	S	0	35	35	10YR4/3								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	2	-18	3a	WC III	3b	Wetness				3b									
								35	120	85	5Y5/1	CP - C 10YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	Yes	Yes																
43	TF 50600	10400	550600	310400	0	≤7	S	0	35	35	10YR4/2								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	2	-18	3a	WC III	3b	Wetness				3b									
								35	120	85	2.5Y5/1	CP - C 7.5YR4/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	No	Yes																
44	TF 50700	10400	550700	310400	0	≤7	S	0	30	30	10YR4/3								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	0	-20	3a	WC III	3b	Wetness				3b									
								30	45	15	10YR5/3	CD - C 10YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	No	Yes																
								45	120	75	2.5Y5/1	CP - C 10YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	No	Yes																
45	TF 50520	10300	550520	310300	1	≤7	S	0	35	35	10YR4/2								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	2	-18	3a	WC III	3b	Wetness				3b									
								35	120	85	2.5Y5/3	CP - C 7.5YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	Yes	Yes																
46	TF 50600	10300	550600	310300	0	≤7	S	0	35	35	10YR4/2								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	16	-4	2	WC II	3a	Wetness				3a									
								35	75	40	10YR4/4	CD - C 10YR5/6							MZCL - Sil	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	SC - Sli	No	No																
								75	120	45	2.5Y5/2	MP - P 7.5YR4/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	Yes	Yes																
47	TF 50700	10300	550700	310300	0	≤7	S	0	30	30	10YR4/3								ZC - Silty	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	29	-4	2	WC I	3a	Wetness				3a									
								30	120	90	10YR5/3	CD - C 10YR5/6							MZCL - Sil	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	MC - M	Yes	No																
48	TF 50800	10300	550800	310300	0	≤7	S	0	25	25	10YR4/2								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	1	-19	3a	WC III	3b	Wetness				3b									
								25	35	10	10YR4/3	CD - C 10YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	NON - R	No	No																
								35	120	85	2.5Y5/2	CP - C 7.5YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	SC - Sli	No	Yes																
49	TF 50600	10200	550600	310200	1	≤7	S	0	36	36	10YR4/3								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	2	-18	3a	WC III	3b	Wetness				3a									
								36	120	84	2.5Y5/2	CP - C 7.5YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	No	Yes																
50	TF 50700	10200	550700	310200	1	≤7	S	0	36	36	10YR4/2								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	1	-21	3a	WC III	3b	Wetness				3b									
								36	120	84	10YR5/3	CP - C 7.5YR5/6							ZC - Silty	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	SC - Sli	No	Yes																
51	TF 50800	10200	550800	310200	1	≤7	S	0	35	35	10YR4/3								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	2	-18	3a	WC III	3b	Wetness				3b									
								35	120	85	10YR5/3	CP - C 7.5YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	Yes	Yes																
52	TF 50700	10100	550700	310100	1	≤7	S	0	45	45	10YR4/3								C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	6	-14	3a	WC II	3a	Wetness	Droughtiness			3a									
								45	120	75	2.5Y5/2	CP - C 10YR5/6							C - Clay	0	HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	NON - R	Yes	Yes																

Point	Grid ref.			Alt (m)	Slope °	Aspect	Land use	Depth (cm)			Matrix		Ochreous Mottles		Grey Mottles		Gley	Texture	Stones - type 1			Stones - type 2			Ped			SUBS STR	CaCO3	Mn C	SPL	Drought			Wet		Final ALC			
	NGR	X	Y					Top	Bttm	Thick	Munsell colour	Form	Munsell colour	Form	Munsell colour	%			> 2cm	> 6cm	Type	%	> 2cm	> 6cm	Type	Strength	Size					Shape	MBw	MBp	Gd	WC	Gw	Limitation 1	Limitation 2	Limitation 3
53	TF 50800	10100	550800	310100	1	≤7	S	0	35	35	10YR4/2						Yes	C - Clay	0								NON - Non-calcareous	2	-18	3a	WC III	3b	Wetness				3b			
								35	120	85	10YR5/3	MP - P7.5YR5/6						C - Clay	0							NON - Non-calcareous	2	-18	3a	WC III	3b	Wetness				3b				
54	TF 50900	10100	550900	310100	0	≤7	S	0	37	37	10YR4/2						Yes	C - Clay	0							NON - Non-calcareous	3	-17	3a	WC III	3b	Wetness				3b				
								37	120	83	2.5Y5/2	CP - C.7.5YR5/6						C - Clay	0							NON - Non-calcareous	3	-17	3a	WC III	3b	Wetness				3b				
55	TF 50800	10000	550800	310000	1	≤7	S	0	30	30	10YR4/3						Yes	HZCL - Silty	0							SC - Slightly calcareous	55	2	2	WC I	2	Wetness	Droughtiness				2			
								30	80	50	10YR6/3	CP - C.7.5YR5/6					Yes	MZCL - Silty	0							MC - M	No	No												
								80	120	40	10YR6/2	CD - C.10YR5/8					Yes	FSZL - Fin	0							MC - M	Yes	No												
56	TF 50900	10000	550900	310000	0	≤7	S	0	42	42	10YR4/2						Yes	C - Clay	0							NON - Non-calcareous	5	-15	3a	WC II	3a	Wetness	Droughtiness				3a			
								42	120	78	10YR5/3	CP - C.7.5YR5/6						C - Clay	0							NON - Non-calcareous	5	-15	3a	WC II	3a	Wetness	Droughtiness				3a			
57	TF 51000	10000	551000	310000	0	≤7	S	0	38	38	10YR4/2						Yes	C - Clay	0							NON - Non-calcareous	3	-17	3a	WC III	3b	Wetness				3b				
								38	120	82	2.5Y5/2	CP - C.10YR5/6						C - Clay	0							NON - Non-calcareous	3	-17	3a	WC III	3b	Wetness				3b				
58	TF 50900	09900	550900	309900	1	≤7	S	0	35	35	10YR4/2						Yes	ZC - Silty	0							NON - Non-calcareous	-6	-22	3a	WC III	3b	Wetness				3b				
								35	120	85	10YR5/2	CP - C.7.5YR5/6						HZCL - Silty	0							MC - M	No	Yes												
END																																								

Project Number	Project Name	Parcel
C882D	Site D, Meerdyke Solar Farm, Lincolnshire	Area D

Date of Survey	Survey Type	Surveyor(s)	Company
04-06/05/2022	ALC	AR	Askew Land and Soil

Weather	Relief	Land use and vegetation
Dry, Sunny	Level	

Grid Reference	Postcode	Altitude	Area
TF499106	PE147DJ	0	88.5

MAFF prov	MAFF detailed	Flooding
Grade 2	None	Flood Zone 1

AAR	AT0	MDw	MDp	FCD	Climate grade
541	1445	126	123	96	1

Bedrock	Superficial deposits
Amphill Clay Formation	Tidal Flat Deposits

Soil association(s) 1:250,000	Detailed soil information
Wallasea 2	None

Revision Number	Date Revised
2	30/05/2022

Point	Grid ref.			Alt (m)	Slope °	Aspect	Land use	Depth (cm)			Matrix		Ochreous Mottles		Grey Mottles		Gley	Texture	Stones - type 1			Stones - type 2			Ped			SUBS STR	CaCO3	Mn C	SPL	Drought			Wet		Final ALC			
	NGR	X	Y					Top	Btm	Thick	Munsell colour	Form	Munsell colour	Form	Munsell colour	%			> 2cm	> 6cm	Type	%	> 2cm	> 6cm	Type	Strength	Size					Shape	MBw	MBp	Gd	WC	Gw	Limitation 1	Limitation 2	Limitation 3
71	TF 51300 09600	551300	309600	0	≤7	S		0	35	35	10YR4/2						Yes	MZCL - Si	0				HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	54	4	2	WC I	1				Droughtiness		2					
								35	60	25	10YR5/3	CD - C	10YR5/6				Yes	MZCL - Si	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	SC - Slig	No	No													
								60	120	60	10YR6/3	CD - C	10YR5/6				Yes	FSL - Fine	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	MC - M	No	No													
72	TF 51400 09600	551400	309600	0	≤7	S		0	48	48	10YR4/2						Yes	MZCL - Si	0				HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	24	1	2	WC I	1				Droughtiness		2					
								48	120	72	10YR5/3	CP - C	7.5YR5/6				Yes	ZC - Silty	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	SC - Slig	No	No													
73	TF 51200 09500	551200	309500	0	≤7	S		0	38	38	10YR4/2						Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	3	-17	3a	WC III	3b				Wetness		3b					
								38	120	82	10YR5/3	CD - C	10YR5/6				Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w	Poor	VSC - V	No	Yes													
74	TF 51300 09500	551300	309500	0	≤7	S		0	35	35	10YR4/2						Yes	HZCL - Si	0				HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcare	36	3	2	WC I	2				Droughtiness	Wetness	2					
								35	60	25	2.5Y5/3	CP - C	10YR4/6				Yes	HZCL - Si	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	SC - Slig	No	No													
								60	120	60	2.5Y5/2	CP - C	10YR5/6				Yes	MZCL - Si	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w	Moderate	SC - Slig	Yes	No													
END																																								

Project Number	Project Name	Parcel
C882E	Meerdyke Solar Farm, Lincolnshire	Area E

Date of Survey	Survey Type	Surveyor(s)	Company
04-06/05/2022	ALC	AR	Askew Land and Soil

Weather	Relief	Land use and vegetation
Dry, Sunny	Level	

Grid Reference	Postcode	Altitude	Area
TF499106	PE147DJ	0	88.5

MAFF prov	MAFF detailed	Flooding
Grade 2	None	Flood Zone 1

AAR	AT0	MDw	MDp	FCD	Climate grade
541	1445	126	123	96	1

Bedrock	Superficial deposits
Amphill Clay Formation	Tidal Flat Deposits

Soil association(s) 1:250,000	Detailed soil information
Wallasea 2	None

Revision Number	Date Revised
2	30/05/2022

Point	Grid ref.			Alt (m)	Slope °	Aspect	Land use	Depth (cm)			Matrix	Ochreous Mottles		Grey Mottles		Gley	Texture	Stones - type 1			Stones - type 2			Ped			SUBS STR	CaCO3	Mn C	SPL	Drought			Wet		Final ALC					
	NGR	X	Y					Top	Btm	Thick	Munsell colour	Form	Munsell colour	Form	Munsell colour			%	> 2cm	> 6cm	Type	%	> 2cm	> 6cm	Type	Strength					Size	Shape	MbW	MBp	Gd	WC	Gw	Limitation 1	Limitation 2	Limitation 3	Grade
75	TF 50720 09900	550720	309900	1	≤7	S		0 35	35	10YR4/2		CP - C.10YR5/6			Yes	C - Clay C - Clay	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor	NON - Non-calcareous	NON - Non-calcareous	Yes	-18	3a	WC III	3b	Wetness				3b									
76	TF 50800 09900	550800	309900	1	≤7	S		0 44	44	10YR4/2 10YR5/3		CP - C.7.5YR5/6			Yes	MZCL - Silty ZC - Silty	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor	NON - Non-calcareous	NON - Non-calcareous	Yes	-8	2	WC II	2	Droughtiness	Wetness				2								
77	TF 50800 09800	550800	309800	1	≤7	S		0 35 60	35 25	10YR4/2 10YR6/2		CD - C.10YR5/6 CP - C.10YR5/6			Yes Yes	ZC - Silty MZCL - Silty FSL - Fine	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate	SC - Slightly calcareous	MC - Moderate	No	-3	2	WC I	2	Droughtiness	Wetness				2								
78	TF 50720 09700	550720	309700	0	≤7	S		0 40	40	10YR4/2 10YR4/3				No	MZCL - Silty HZCL - Silty	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate	SC - Slightly calcareous	NON - Non-calcareous	No	4	2	WC I	1	Droughtiness					2									
79	TF 50800 09700	550800	309700	0	≤7	S		0 35	35	10YR4/2		CP - C.7.5YR5/6			Yes	MZCL - Silty ZC - Silty	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate	NON - Non-calcareous	NON - Non-calcareous	No	-4	2	WC III	3a	Wetness				3a									
80	TF 50900 09700	550900	309700	0	≤7	S		0 30 60	30 30	10YR4/2 10YR4/3		MD - 110YR5/6			No Yes	MZCL - Silty HZCL - Silty ZC - Silty	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate	NON - Non-calcareous	NON - Non-calcareous	No	-3	2	WC II	2	Droughtiness	Wetness				2								
81	TF 50800 09600	550800	309600	0	≤7	S		0 30 45	30 15	10YR4/2 10YR4/3		MD - 17.5YR5/6			No Yes	HZCL - Silty ZC - Silty C - Clay	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate	NON - Non-calcareous	NON - Non-calcareous	No	-11	3a	WC II	3a	Droughtiness	Wetness				3a								
82	TF 50900 09600	550900	309600	0	≤7	S		0 45	45	10YR4/2		CP - C.7.5YR4/6			Yes	C - Clay C - Clay	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor	NON - Non-calcareous	NON - Non-calcareous	Yes	-14	3a	WC II	3a	Droughtiness	Wetness				3a								
83	TF 51000 09600	551000	309600	0	≤7	S		0 30 45	30 15	10YR4/2 10YR4/3		CP - C.10YR5/6			No Yes	C - Clay C - Clay ZC - Silty	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate	NON - Non-calcareous	NON - Non-calcareous	No	-18	3a	WC II	3a	Droughtiness	Wetness				3a								
84	TF 50900 09500	550900	309500	0	≤7	S		0 35	35	10YR4/2		CD - C.10YR5/6			Yes	ZC - Silty C - Clay	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor	NON - Non-calcareous	SC - Slightly calcareous	No	-18	3a	WC III	3b	Wetness				3b									
85	TF 51000 09500	551000	309500	1	≤7	S		0 35 70	35 35	10YR4/2 10YR5/3		CD - C.10YR4/6 CP - C.10YR5/6			Yes Yes	ZC - Silty MZCL - Silty FSZL - Fine	0 0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Moderate	NON - Non-calcareous	MC - Moderate	No	-4	2	WC I	3a	Wetness					3a								
86	TF 51100 09500	551100	309500	1	≤7	S		0 35	35	10YR4/2		CP - C.10YR5/6			Yes	ZC - Silty C - Clay	0 0	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	Poor	VSC - Very slightly calcareous	NON - Non-calcareous	No	-18	3a	WC III	3b	Wetness				3b									

Point	Grid ref.			Alt (m)	Slope °	Aspect	Land use	Depth (cm)			Matrix		Ochreous Mottles		Grey Mottles		Gley	Texture	Stones - type 1			Stones - type 2			Ped			SUBS STR	CaCO3	Mn C	SPL	Drought			Wet		Final ALC			
	NGR	X	Y					Top	Btm	Thick	Munsell colour	Form	Munsell colour	Form	Munsell colour	%			> 2cm	> 6cm	Type	%	> 2cm	> 6cm	Type	Strength	Size					Shape	MBw	MBp	Gd	WC	Gw	Limitation 1	Limitation 2	Limitation 3
87	TF 51000 09400	551000	309400	0	≤7	S		0	30	30	10YR4/2						No	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcarei	4				-16	3a	WC II	3a	Droughtiness Wetness				3a			
								30	45	15	10YR4/3						Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w/	Moderate	NON - Non-cal	No														
								45	120	75	10YR5/3	CD - C 10YR5/6					Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w/	Poor	NON - Non-cal	Yes														
88	TF 51100 09400	551100	309400	1	≤7	S		0	35	35	10YR4/2						Yes	ZC - Silty	0				HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcarei	29	-4	2	WC I	3a	Wetness				3a						
								35	70	35	10YR5/3	CD - C 10YR5/6					Yes	H2CL - Sil	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w/	Moderate	SC - Slightly cal	No														
								70	120	50	10YR6/3	CP - G.7.5YR5/6					Yes	MZCL - Sil	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w/	Moderate	MC - M	Yes	No													
89	TF 51200 09400	551200	309400	0	≤7	S		0	35	35	10YR4/2						Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcarei	40	5	2	WC I	3a	Wetness				3a						
								35	45	10	10YR5/3	CP - G.7.5YR5/6					Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w/	Moderate	VSC - V	Yes	No													
								45	85	40	10YR5/2	CD - C 10YR5/6					Yes	F5ZL - Fin	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w/	Moderate	MC - Moderat	No														
								85	120	35	2.5Y5/1	CP - G.10YR5/6					Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w/	Moderate	VSC - Very slig	No														
90	TF 51300 09400	551300	309400	0	≤7	S		0	30	30	10YR4/2						Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger)	NON - Non-calcarei	0			-20	3a	WC III	3b	Wetness				3b				
								30	120	90	10YR5/2	CD - C 10YR5/6					Yes	C - Clay	0				HR - All hard rocks or stones (i.e. those which cannot be scratched w/	Poor	SC - Slig	No	Yes													
END																																								

Mottle form

FF - Few Faint
 FD - Few Distinct
 FP - Few Prominent
 CF - Common Faint
 CD - Common Distinct
 CP - Common Prominent
 MF - Many Faint
 MD - Many Distinct
 MP - Many Prominent
 VF - Very many Faint
 VD - Very many Distinct
 VP - Very many Prominent

Texture

C - Clay
 CHK - Chalk
 CS - Coarse Sand
 CSL - Coarse sandy loam
 CSZL - Coarse sandy silt loam
 FP - Fibrous and semifibrous peats
 FS - Fine Sand
 FSL - Fine sandy loam
 FSZL - Fine sandy silt loam
 HCL - Clay loam (heavy)
 HP - Humified peats
 HZCL - Silty clay loam (heavy)
 IMP - Impenetrable to roots
 LCS - Loamy Coarse Sand
 LFS - Loamy fine sand
 LMS - Loamy medium sand
 LP - Loamy peats
 MCL - Clay loam (medium)
 MS - Medium Sand
 MSL - Medium sandy loam
 MSZL - Medium sandy silt loam
 MZ - Marine Light Silts
 MZCL - Silty clay loam (medium)
 OC - Organic clays
 OL - Organic loams
 OS - Organic sands
 PL - Peaty loams
 PS - Peaty sands
 SC - Sandy clay
 SCL - Sandy clay loam
 SP - Sandy peats
 ZC - Silty clay
 ZL - Silt loam

Stone Type

CH - Chalk or chalk stones
 FSST - Soft fine grained sandstones
 GH - Gravel with non-porous (hard) stones
 GS - Gravel with porous stones (mainly soft stone types listed above)
 HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger nail)
 MSST - Soft, medium or coarse grained sandstones
 SI - Soft 'weathered' igneous or metamorphic rocks or stones
 SLST - Soft oolitic or dolomitic limestones
 ZR - Soft, argillaceous or silty rocks or stones

Ped. Shape

SG - Single grain
 GRA - Granular
 SAB - Subangular Blocky
 AB - Angular Blocky
 PRIS - Prismatic
 PLAT - Platy
 MASS - Massive
 NA - N/A

Subsoil Structure Condition

Not Applicable
 Good
 Moderate
 Poor

Soil or Ped. Strength

Loose
 Very friable
 Friable
 Firm
 Very firm
 Extremely firm
 Extremely hard
 N/A

Calcareousness

NON - Non-calcareous (<0.5% CaCO₃)
 VSC - Very slightly calcareous (0.5 - 1% CaCO₃)
 SC - Slightly calcareous (1 - 5% CaCO₃)
 MC - Moderately calcareous (5 - 10% CaCO₃)
 VC - Very calcareous (>10% CaCO₃)

Ped. Size

VF - Very Fine
 F - Fine
 M - Medium
 C - Coarse
 VC - Very Coarse
 NA - N/A

Degree of Ped. Development

W - Weak
 M - Moderate
 S - Strong
 NA - Not applicable

Wetness Class

WC I
 WC II
 WC III
 WC IV
 WC V
 WC VI

ALC Grades

1
 2
 3a
 3b
 4
 5
 Non-Ag

Gley

None
 Gley
 N/A

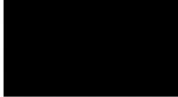
Appendix 2: Soil Pit Description

Appendix 3: Topsoil Particle Size Distribution (PSD)



TEST REPORT
ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 25/05/2022



Contract	Meerdyke
Serial No.	40748_1
Client: Askew Land and Soil Ltd The Old Stables Upexe Exeter EX5 5ND	<i>Soil Property Testing Ltd</i> 15, 16, 18 Halcyon Court, St Margaret's Way, Stukeley Meadows, Huntingdon, Cambridgeshire, PE29 6DG Tel: 01480 455579 Email: enquiries@soilpropertytesting.com Website: www.soilpropertytesting.com
Samples Submitted By: Askew Land and Soil Ltd Samples Labelled: Meerdyke	Approved Signatories: <input checked="" type="checkbox"/> J.C. Garner B.Eng (Hons) FGS Technical Director & Quality Manager <input type="checkbox"/> W. Johnstone Materials Lab Manager 
Date Received: 12/05/2022	Samples Tested Between: 12/05/2022 and 25/05/2022
Remarks: For the attention of Robert Askew Your Reference No: C882	
Notes: 1 All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary. 2 Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. 3 Tests marked "NOT UKAS ACCREDITED" in this test report are not included in the UKAS Accreditation Schedule for this testing laboratory. 4 This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory. 5 The results within this report only relate to the items tested or sampled.	



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 25/05/2022



0998

Contract		Meerdyke															
Serial No.		40748_1					Target Date		09/06/2022								
Scheduled By		Askew Land and Soil Ltd															
Schedule Remarks																	
Bore Hole No.	Type	Sample Ref.	Top Depth	Particle Size Distribution (BS1377)										Sample Remarks			
				1	2	3	4	5	6	7	8	9	10				
AB11_A	-	1	0.00	1													
AB88_E	-	2	0.00	1													
Totals				2													End of Schedule



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 25/05/2022



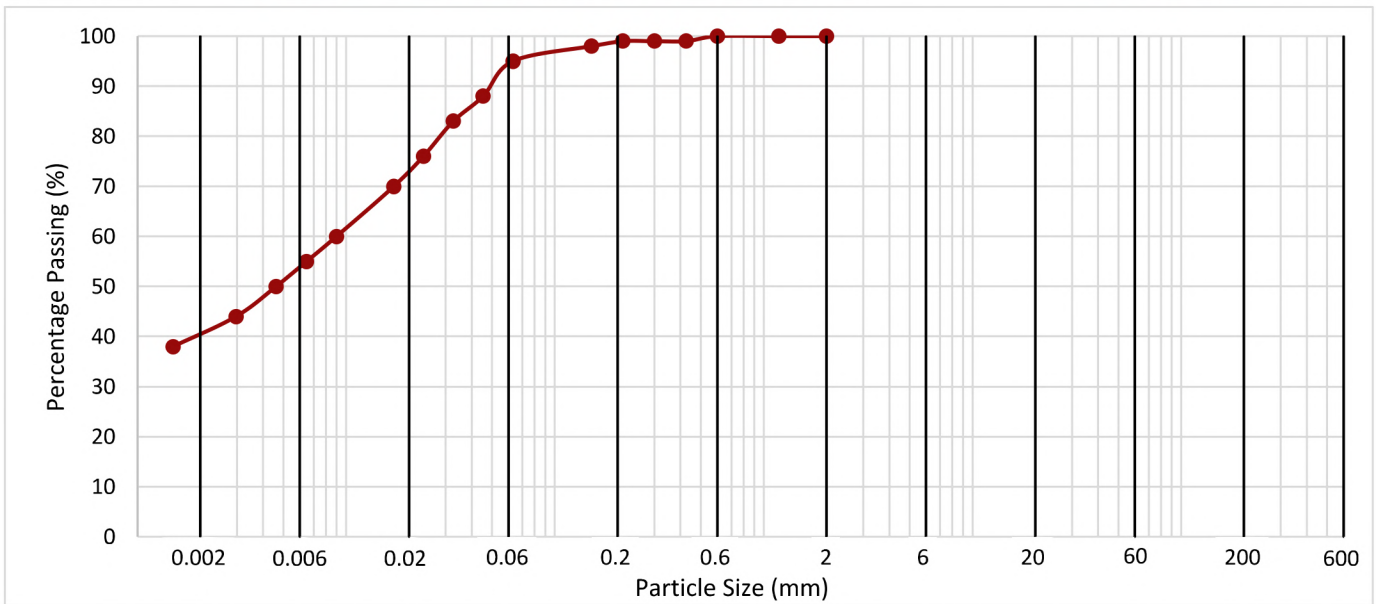
0998

Contract	Meerdyke
Serial No.	40748_1

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample		Description	Remarks
		Type	Reference		
AB11_A	0.00 - 0.25	-	1	Firm greyish brown slightly sandy silty CLAY with rare gravel	Material greater than 2mm removed before test

Method of Test: **Hydrometer + Pre-sieve** Method of Pretreatment: **Not required**



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)
	0.0453	88	55
	0.0326	83	
	0.0235	76	
	0.0169	70	Clay by Dry Mass (%)
	0.0090	60	
	0.0065	55	
	0.0046	50	
	0.0030	44	
0.0015	38	40	

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	100	5
1.18	100	
0.600	100	
0.425	99	
0.300	99	
0.212	99	
0.150	98	
0.063	95	

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		0
125		
90		
63		
50		
37.5		
28		
20		
14		
10		
6.3		
5		

Fines By Dry Mass (%)	
<0.063mm	95

Method of Preparation: BS1377: Part 1: 2016: 8.3 & 8.4.5
 Method of test: BS1377: Part 2: 1990: 9.2,9.5
 Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
 Comments:



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 25/05/2022



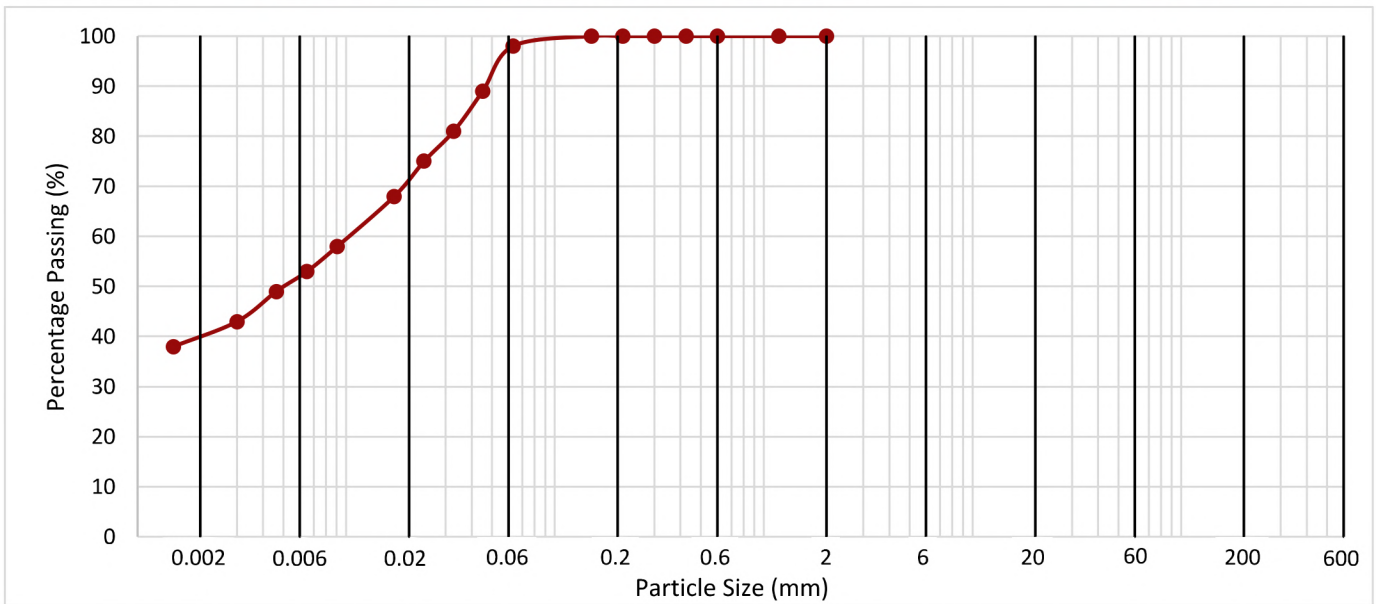
0998

Contract	Meerdyke
Serial No.	40748_1

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample		Description	Remarks
		Type	Reference		
AB88_E	0.00 - 0.25	-	2	Firm greyish brown slightly sandy silty CLAY	

Method of Test: **Hydrometer + Pre-sieve** Method of Pretreatment: **Not required**



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)
	0.0451	89	59
	0.0327	81	
	0.0236	75	
	0.0170	68	Clay by Dry Mass (%)
	0.0091	58	
	0.0065	53	
	0.0046	49	
	0.0030	43	
0.0015	38	39	

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	100	2
1.18	100	
0.600	100	
0.425	100	
0.300	100	
0.212	100	
0.150	100	
0.106	100	
0.075	100	
0.063	98	

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		0
125		
90		
63		
50		
37.5		
28		
20		
14		
10		
6.3		
5		

Fines By Dry Mass (%)	
<0.063mm	98

Method of Preparation: BS1377: Part 1: 2016: 8.3 & 8.4.5
 Method of test: BS1377: Part 2: 1990: 9.2,9.5
 Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
 Comments: