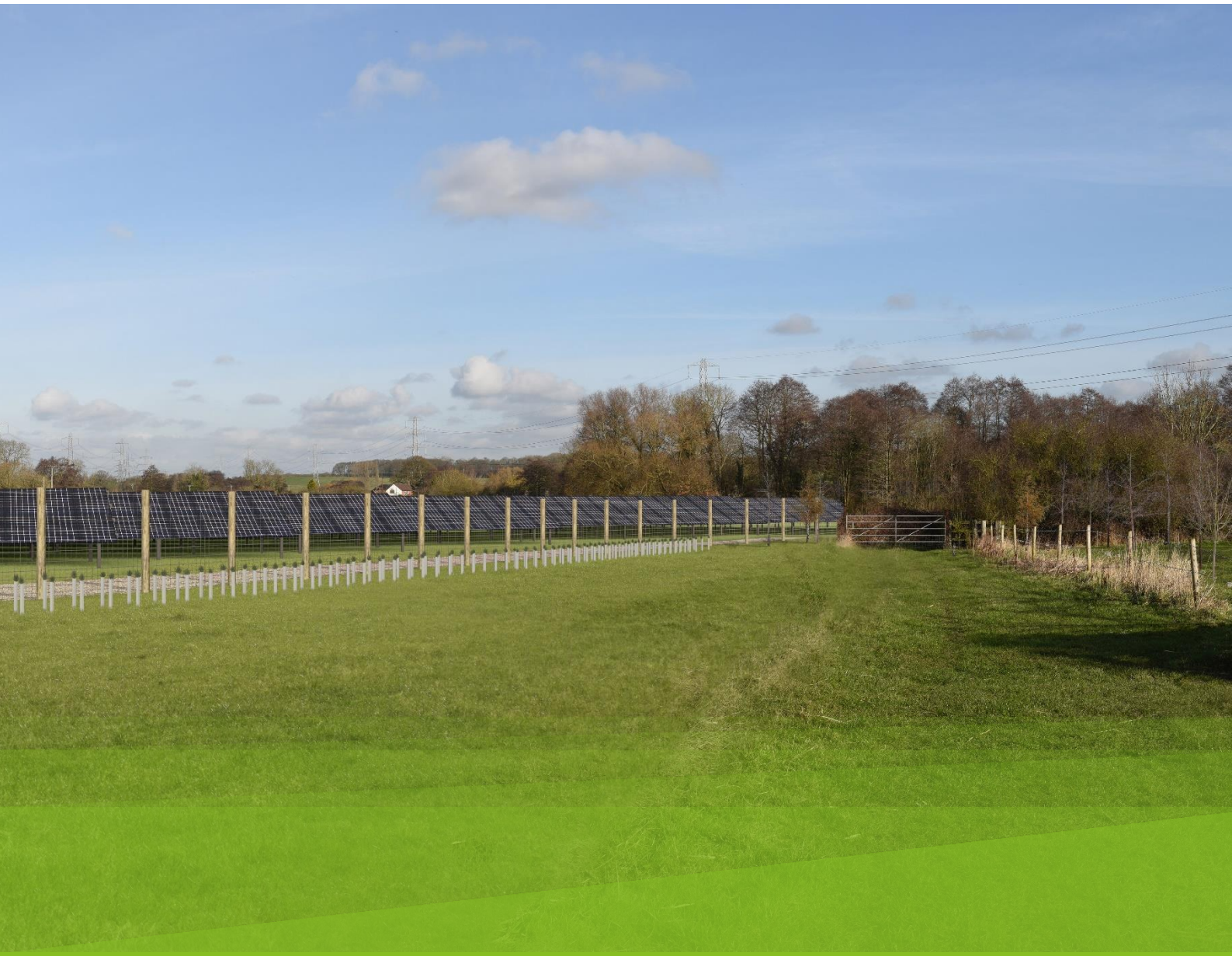

OAKLANDS FARM SOLAR PARK

Applicant: Oaklands Farm Solar Ltd

Environmental Statement
Appendix 15.2 – Agricultural Land Classification Survey for Park Farm
January 2024
Document Ref: EN010122/APP/6.1/Appx 15.2
Revision: -

Planning Act 2008
Infrastructure Planning (Application: Prescribed Forms and Procedure) Regulations 2009 - 5(2)(a)

Oaklands Farm Solar Park - Environmental Statement Volume 3

Appendix 15.2: Agricultural Land Classification (Park Farm area) (KCC)

Final report
Prepared by LUC
January 2024

APPENDIX 15.2

LAND AT PARK FARM, WALTON ON TRENT

AGRICULTURAL LAND CLASSIFICATION SURVEY

August 2023

KERNON
COUNTRYSIDE CONSULTANTS LIMITED

APPENDIX 15.2

LAND AT PARK FARM, WALTON ON TRENT

AGRICULTURAL LAND CLASSIFICATION SURVEY

August 2023

Authorised By ……

Greenacres Barn, Stoke Common Lane, Purton Stoke, Swindon SN5 4LL
T: 01793 771333 Email: info@kernon.co.uk Website: www.kernon.co.uk

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*Directors - **Tony Kernon** BSc(Hons), MRAC, MRICS, FBIAC **Sarah Kernon***
*Consultants – **Ellie Chew** BSc(Hons), **Amy Curtis** BSc(Hons*

CONTENTS

APPENDICES

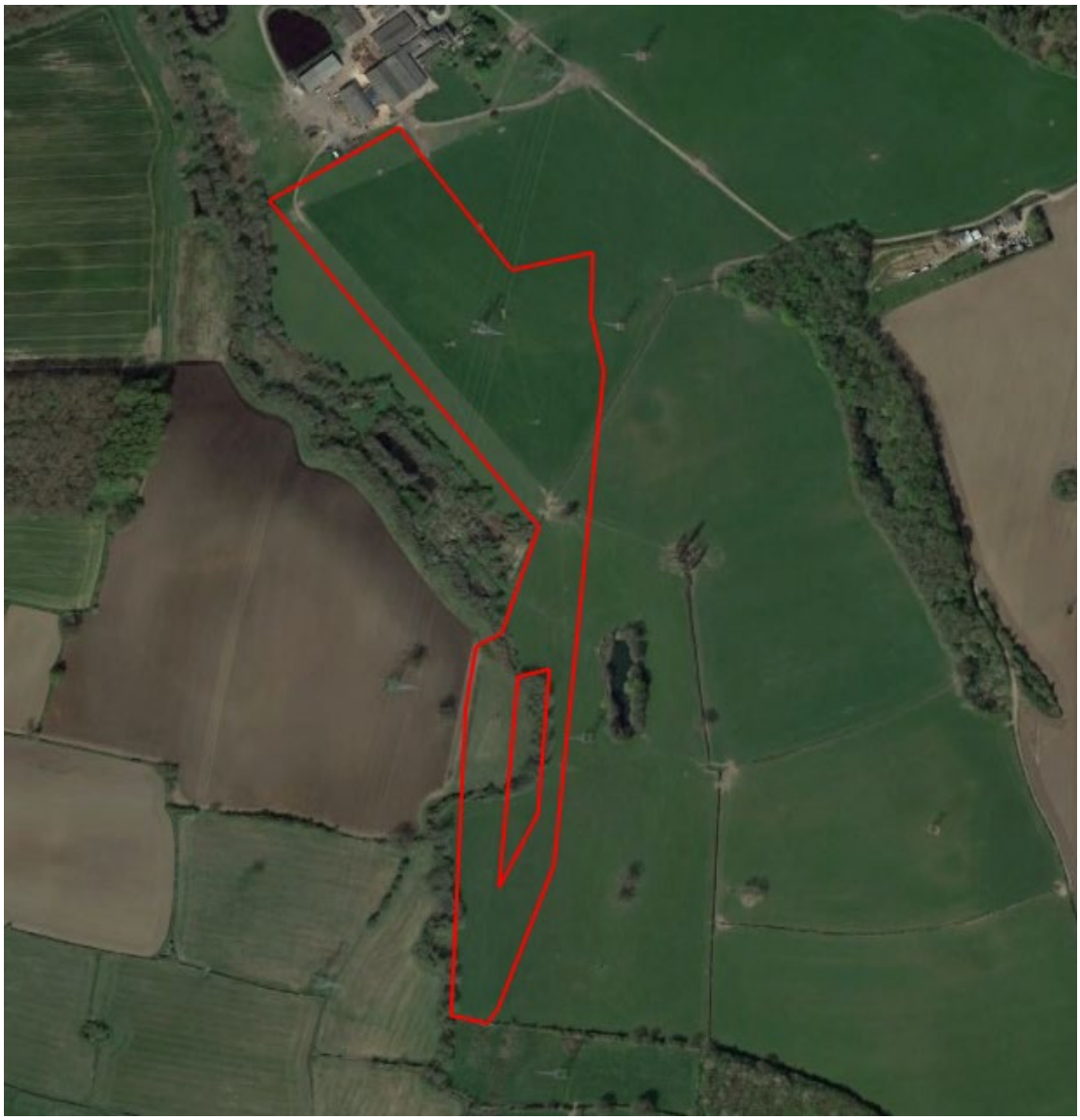
PLANS

1 INTRODUCTION

1.1 This report sets out the results of an Agricultural Land Classification (ALC) survey across a site of approximately 11.5 hectares east of Walton on Trent.

1.2 The site is outlined on the Google Earth image below. It is bordered by agricultural land and woodland on all sides

Insert 1: The Site



1.3 The ALC follows a detailed soil survey carried out in April 2021.

1.4 This report:

- describes the methodology in section 2;
- describes the factors affecting agricultural land quality in section 3;
- and sets out the ALC grades in section 4.

2 METHODOLOGY

2.1 The work has been carried out by a Chartered Scientist (CSci), who is a Fellow (F. I. Soil Sci) of the British Society of Soil Science (BSSS). This ALC survey has been carried out by a soil scientist who meets the requirements of the BSSS Professional Competency Standard (PSC) scheme for ALC (see BSSS PCS Document 2 '*Agricultural Land Classification of England and Wales*'[1]). The BSSS PSC scheme is endorsed, amongst others, by the Department for Environment, Food and Rural Affairs (Defra), Natural England, the Science Council, and the Institute of Environmental Assessment and Management (IEMA).

2.2 This assessment is based upon the findings of a study of published information on climate, geology and soil in combination with a soil investigation carried out in accordance with the Ministry of Agriculture, Fisheries and Food (MAFF) [2] '*Agricultural Land Classification of England and Wales: Revised Guidelines and Criteria for Grading the Quality of Agricultural Land*', October 1988 (henceforth referred to as the 'the ALC Guidelines').

2.3 The ALC system provides a framework for classifying land according to the extent to which its physical or chemical characteristics impose long-term limitations on agricultural use. The ALC system divides agricultural land into five grades (Grade 1 'Excellent' to Grade 5 'Very Poor'), with Grade 3 subdivided into Subgrade 3a 'Good' and Subgrade 3b 'Moderate'.

2.4 A detailed ALC survey was carried out in April 2021. The full survey involved examination of the soil's physical properties at 49 auger-bore locations on a 100m by 100m grid, as shown on **Plan KCC3018/01**. One soil pit (Pit 1) was excavated with a spade to examine certain soil physical properties, such as stone content and subsoil structure, in more detail. Ten of the auger sites lie within the reduced site area.

2.5 The sample locations were located using a hand-held Garmin E-Trec Geographic Information System (GIS) to enable the sample locations to be relocated for verification, if necessary.

[1] British Society of Soil Science. Professional Competency Scheme Document 2 'Agricultural Land Classification of England and Wales'. Available online @ https://www.soils.org.uk/sites/default/files/events/flyers/ipss-competency-doc2.pdf Last accessed January 2021

[2] The Ministry of Agriculture, Fisheries and Food (MAFF) was incorporated within the Department for Environment, Food and Rural Affairs (Defra) in June 2001

2.6 The soil profile was examined at each sample location to a maximum depth of approximately 1.2 m by hand with the use of a 5 cm diameter Dutch (Edleman) soil auger. The soil profile at each sample location was described using the '*Soil Survey Field Handbook: Describing and Sampling Soil Profiles*' (Ed. J.M. Hodgson, Cranfield University, 1997). Each soil profile was ascribed a grade following the ALC Guidelines.

3 FACTORS AFFECTING LAND QUALITY

3.1 As described in the ALC Guidelines, the main physical factors influencing agricultural land quality are:

- climate;
- site;
- soil; and
- interactive limitations.

3.2 These factors are considered in turn below.

Climate

3.3 Interpolated climate data relevant to the determination of the ALC grade of land at the Site is given in Table 1 below.

Table 1: ALC Climate Data for Oaklands Solar Farm, Walton on Trent, Staffs

Climate Parameter	**Grid Ref:** SK237182
Average Altitude (m)	64
Average Annual Rainfall (mm)	640
Accumulated Temperature above 0˚C (January – June)	1397
Moisture Deficit (mm) Wheat	105
Moisture Deficit (mm) Potatoes	96
Field Capacity Days (FCD)	139
Grade according to climate	1

3.4 Agricultural land quality at the Site is mainly not limited by climate with reference to Figure 1 '*Grade according to climate*' on page 6 of the ALC Guidelines, in which in absence of any other limiting factor the land will be determined as Grade 1.

3.5 Due to the average annual rainfall, agricultural land across the Site is predicted to range at field capacity (i.e., near saturation point) for approximately 139 days per year, mainly over the late autumn, winter and early spring. Moisture Deficit (MD) values range between approximately 105mm for wheat, and 96mm for potatoes.

3.6 The climate interacts with soil physical properties, i.e., soil texture and wetness class, and can limit agricultural land quality due to soil wetness, and/or soil droughtiness, as described under 'interactive limitations' below.

Site

3.7 The Site is located to the east of Walton-on-Trent, Staffordshire. The approximate centre of the study area is located at British National Grid (BNG) reference SK 23764 18281. The western boundary is formed by a tributary of the River Trent. The remainder of the Site is surrounded by agricultural land.

3.8 With regard to the ALC Guidelines, agricultural land quality can be limited by one or more of three main site factors as follows:

- gradient;
- micro-relief (i.e., complex change in slope angle over short distances); and
- risk of flooding.

3.9 **Gradient and Micro-Relief**. The Site is located on a west-facing slope, with the highest elevation in the east at approximately 84 metres (m) Above Ordnance Datum (AOD) and descending to approximately 59 mAOD along the western boundary. The quality of agricultural land is limited by gradient in the north-west (Auger-bore locations 2, 4 and 5, **Plan KCC3018/01**), where the gradient exceeds 7°, but is less than 11°, i.e., the land is limited to Subgrade 3b following Table 1 of the ALC Guidelines. No part of the Site is limited by micro-relief (i.e., complex changes in slope angle and direction over short distances).

3.10 **Risk of Flooding**. From the Government Flood Map for Planning website[3], the study area is mainly within Flood Zone 1 with regions of Flood Zone 3 in the western region of the Site bordering the River Trent. Overall, the agricultural land within the study area is not limited by flooding (re Table 2 '*Grade according to flood risk in summer*' and/or Table 3 '*Grade according to flood risk in winter*' of the ALC Guidelines).

Soil

3.11 **Geology/Soil Parent Material**. From British Geological Survey (BGS) maps at 1:50,000 scale, most of the Site is underlain by sandstone (Edwalton Member), with mudstone (Gunthorpe Member) underlying the higher ground in the east.

[3] Government Flood Map for Planning website. Available online @ https://flood-map-for-planning.service.gov.uk/ Last accessed September 2020

3.12 Most of the sandstone is not covered by any superficial deposits, and the soils are developed directly from the sandstone parent material. The sandstone along the western boundary, flanking the watercourse, is covered by a superficial covering of alluvium (clay, silt, sand and gravel). In the northwest, the sandstone is covered by glaciofluvial deposits of sand and gravel. The mudstone bedrock underlying the higher ground in the east is covered by glacial till (Thrussington Member).

3.13 **Published Information on Soil**. Soil information is available only at a small scale (1:250,000) on the National Soil Map published by the Soil Survey of England and Wales (SSEW) in 1983. This provisional soil map indicates that land at the Site is covered soils grouped in the Whimple 3 Association.

3.14 As described by the SSEW, the soils in the Whimple 3 Association consist of reddish fine loamy or fine silty over clayey soils, developed in thin drift over Permo-Triassic and Carboniferous mudstone or clay shal mainly on moderate slopes. These soils suffer slight seasonal waterlogging (Wetness Class III) in many districts, but in the drier parts of the region, they can have a better water regime (Wetness Class II).

3.15 **Soil Survey**. The detailed soil survey carried out in April 2020 determined sandy loam and sandy clay loam soils developed over sandstone on the lower ground in the central and western parts of the Site. Much of the lighter, sandier, soils are well drained (Wetness Class I) but some soils near the watercourse along the western boundary are slowly permeable and seasonally waterlogged (Wetness Class III).

3.16 The soils in the east, developed in glacial till over mudstone, comprise heavy clay loam soils which have slowly permeable subsoil (Wetness Class IV). The profiles are seasonally waterlogged as a result. Some of the topsoils on high ground in the east, i.e., auger-bore 34, 35, 36 40 and 41, **Plan KCC3018/01A**) are slightly to moderately stony, are and limited to Subgrade 3a by the size of stones (2-6cm), following Table 5 of the ALC Guidelines.

3.17 A log of all the soil profiles recorded on site is given as **Appendix KCC1**.

Interactive Limitations

3.18 From the information above, together with the findings of the detailed soil survey (see Soil Profile Logs given as **Appendix KCC1**), it has been determined that the quality of agricultural land over the Site is limited by soil droughtiness on lighter (sandier) and well drained soils during the growing season, and by soil wetness on heavier, seasonally

waterlogged soils during the wettest times of the year (i.e., autumn and winter), as described below.

3.19 **Soil Droughtiness**. As shown in the soil profile logs given as **Appendix KCC1**, moisture balance (MB) calculations for the ALC reference crops (winter wheat and maincrop potatoes) have determined that the soil profiles mainly have MB values of between -20 to -50mm for wheat, and/or between -30mm to -55mm for potatoes. These MB values limit the quality of agricultural land to Subgrade 3b (re Table 8 'Grade according to droughtiness' of the ALC Guidelines).

3.20 Soil profiles that have calculated MB values of between +5mm and -20mm for wheat, and between -10mm and -30mm for potatoes. These profiles are limited by soil droughtiness to Subgrade 3a (re Table 8 'Grade according to droughtiness' of the ALC Guidelines).

3.21 Occasionally, soil profiles that have calculated MB values of between +30mm and +5mm for wheat, and between +10mm and -10mm for potatoes. These profiles are limited by soil droughtiness to Grade 2 (re Table 8 'Grade according to droughtiness' of the ALC Guidelines).

3.22 **Soil Wetness**. From the ALC Guidelines, a soil wetness limitation exists where '*the soil water regime adversely affects plant growth or imposes restrictions on cultivations or grazing by livestock*'. Agricultural land quality at the Site is limited by soil wetness as per Table 2 below (based on Table 6 'Grade According to Soil Wetness – Mineral Soils' in the ALC Guidelines).

Table 2: Predicted ALC Grade According to Soil Wetness

Wetness Class	**Texture of the Top 25 cm**	**126-150 Field Capacity Days**
I	Sandy Loam, Sandy Silt Loam Medium Clay Loam*, Sandy Clay Loam Heavy Silty Clay Loam**, Heavy Clay Loam** Clay, Silty Clay	1 1 2 3a
II	Sandy Loam, Sandy Silt Loam Medium Clay Loam*, Sandy Clay Loam Heavy Silty Clay Loam**, Heavy Clay Loam** Clay, Silty Clay	1 2 3a 3b
III	Sandy Loam, Sandy Silt Loam Medium Clay Loam*, Sandy Clay Loam Heavy Silty Clay Loam**, Heavy Clay Loam** Clay, Silty Clay	2 3a 3b 3b
IV	Sandy Loam, Sandy Silt Loam Medium Clay Loam*, Sandy Clay Loam Heavy Silty Clay Loam**, Heavy Clay Loam** Clay, Silty Clay	3a 3b 3b 3b
Key * <27% clay; and ** >27% clay		

3.23 Therefore, in a climate area with 139 field capacity days (FCD), the soil profiles in Wetness Class III and IV with heavy clay loam topsoils are limited to Subgrade 3b. Whilst, the soil profiles in Wetness Class III with sandy clay loam topsoils are limited to Subgrade 3a.

Predicted ALC

3.24 MAFF Provisional ALC information (1:250,000) indicates that agricultural land around Walton-on-Trent is Grade 2 and Grade 3 (not differentiated between Subgrade 3a and Subgrade 3b). There is no detailed (post-1988) ALC survey information covering the study area. However, there is a large proportion of Subgrade 3b to the south and east of the Site, with smaller regions of Grade 1, Grade 2 and Subgrade 3a.

4 AGRICULTURAL LAND CLASSIFICATION GRADING AT THE SITE

4.1 The agricultural land within the study area has been classified mainly as Subgrade 3b with a smaller area of Grade 2. The area and proportion of agricultural land in each ALC grade has been measured from an ALC map given as **Plan KCC3018/02A**. The findings are reported in Table 3 below.

Table 3: Agricultural Land Classification – Oakland Solar Farm, Walton on Trent

ALC Grade	**Area (Ha)**	**Area (% of Total Site)**
Grade 1 (Excellent)		
Grade 2 (Very Good)	0.5	6
Subgrade 3a (Good)		
Subgrade 3b (Moderate)	8.0	94
Grade 4 (Poor)	0	0
Grade 5 (Very Poor)	0	0
Non-agricultural / Other land	0	0
Not surveyed		
Total	**8.5**	**100**

Appendix KCC1

Soil Profile Logs

Project Number	Project Name	Parcel
C783	KCC3018 Oakland Farm, Walton on Trent, Derbyshire	

Date of Survey	Survey Type	Surveyor(s)	Company
14/04/2021	Detailed ALC	AR	Askew Land and Soil

Weather	Relief	Land use and vegetation
Mild, sunny, slight breeze.	West to southwest facing slope	LEY (Ley Grass)

Grid Reference	Postcode	Altitude	Area
SK237182	DE15 9UF	64	50

MAFF prov	MAFF detailed	Flooding
Grade 2	No post 1988 ALC	Flood Zopne 1, with FZ3 to the west

AAR	AT0	MDw	MDp	FCD	Climate grade
640	1397		105	96	1

Bedrock	Superficial deposits
Edwalton Sandstone; Gunthorpe Mudstone in east	Alluvium along west boundary; till in east

Soil association(s) 1:250,000	Detailed soil information
Whimple 3	No detailed SSEW soil surveys

Revision Number	Date Revised
2	30/04/2021

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												
[redacted]																																				
2	SK 23400 18600	423400	318600	60	≤7	W		0	35	35	7.5YR4/2						MSL - Me	5			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger						NON - N	Non-calcarec	96	-24	3a	WC I	1	Droughtiness	3a
								35	70	35	7.5YR4/4					No	LMS - Lo	2			HR - All hard rocks or stones (i.e. those which cannot be scratched wi						Moderate	NON - N	No	No					
								70	120	50	7.5YR5/6					No	MS - Mec	2			HR - All hard rocks or stones (i.e. those which cannot be scratched wi						Moderate	NON - N	No	No					
[redacted]																																				
4	SK 23500 18500	423500	318500	68	≤7	W		0	40	40	7.5YR4/2						MSL - Me	5			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger						NON - N	Non-calcarec	130	1	2	WC III	2	Droughtiness Wetness	2
								40	55	15	7.5YR4/3					No	MSL - Mc	2			HR - All hard rocks or stones (i.e. those which cannot be scratched wi						Moderate	NON - N	No	No					
								55	120	65	5YR5/4	FD - Fe	5YR6/2			No	C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched wi						Poor	NON - N	No	Yes					
5	SK 23600 18500	423600	318500	73	≤7	W		0	25	25	7.5YR4/3						MSL - Me	5			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger						NON - N	Non-calcarec	113	-8	2	WC I	1	Droughtiness	2
								25	60	35	7.5YR4/4					No	MSL - Me	5			HR - All hard rocks or stones (i.e. those which cannot be scratched wi						Moderate	NON - N	No	No					
								60	120	60	7.5YR5/4					No	LMS - Lo	10			HR - All hard rocks or stones (i.e. those which cannot be scratched wi						Moderate	NON - N	No	No					
[redacted]																																				
12	SK 23600 18300	423600	318300	59	≤7	W		0	27	27	10YR4/2						C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger						NON - N	Non-calcarec	125	-3	2	WC IV	3b	Wetness	3b
								27	120	93	2.5Y6/2	CP - Cr	7.5YR5/6			Yes	C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched wi						Poor	NON - N	No	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	Grade
[redacted]																																							
16	SK 23600 18200	423600	318200	59	≤7	W		0	25	25	10YR3/2						C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger							NON -	Non-calcare	143	40	1	WC	IV	3b	Wetness			3b
								25	45	20	2.5Y5/3	CD - C	10YR5/6			Yes	C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Moderate	NON -	No	No									
								45	65	20	10YR2/1					No	HP - Hum	0			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Moderate	NON -	No	No									
								65	75	10	2.5Y5/1					No	SCL - San	50			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Moderate	NON -	No	No									
								75	95	20							SCL - San	50			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Moderate			No									
[redacted]																																							
20	SK 23600 18100	423600	318100	61	≤7	W		0	35	35	10YR3/2						C - Clay	5			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger							NON -	Non-calcare	97	-5	2	WC	IV	3b	Wetness			3b
								35	45	10	10YR2/1					No	OC - Orga	0			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Moderate	NON -	No	No									
								45	55	10	2.5Y5/2					No	SC - Sand	50			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Moderate	NON -	No	No									
								55	75	20							SC - Sand	50			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Moderate			No									
[redacted]																																							
22	SK 23600 18000	423600	318000	62	≤7	W		0	28	28	10YR4/2						C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger							NON -	Non-calcare	125	-3	2	WC	IV	3b	Wetness			3b
								28	120	92	10YR5/2	CP - C	7.5YR4/6			Yes	C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Poor	NON -	No	Yes									
23	SK 23600 18000	423600	318000	61	≤7	W		0	27	27	10YR4/2						C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger							NON -	Non-calcare	125	-3	2	WC	IV	3b	Wetness			3b
								27	120	93	5Y5/1	CP - C	7.5YR5/6			Yes	C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched wi							Poor	NON -	No	Yes									
[redacted]																																							

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	Grade
25	SK 23500 17900	423500	317900	63	≤7	W		0	28	28	10YR4/2						C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched with a finger							NON - Non-calcareo	125	-3	2	WC IV	3b	Wetness			3b
								28	120	92	10YR5/2	MP - M	7.5YR5/6			Yes	C - Clay	0			HR - All hard rocks or stones (i.e. those which cannot be scratched wi					Poor		NON - N	No	Yes									

[redacted]

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

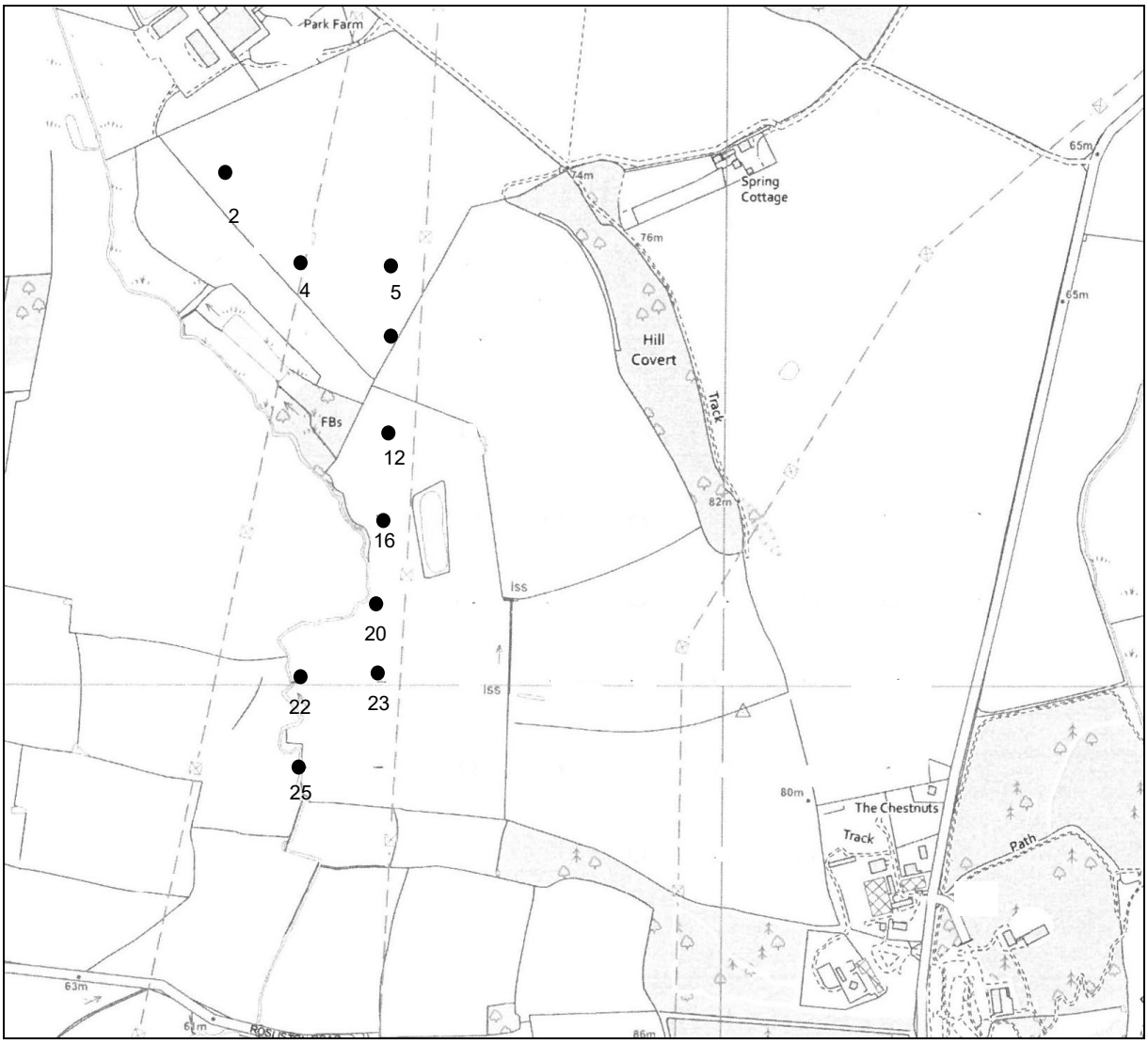
Wetness Class
WC I
WC II
WC III
WC IV
WC V
WC VI

ALC Grades
1
2
3a
3b
4
5
Non-Ag

Gley
None
Gley
N/A

Plan KCC3018/01A

Auger Point Plan



KEY

- Auger sample location

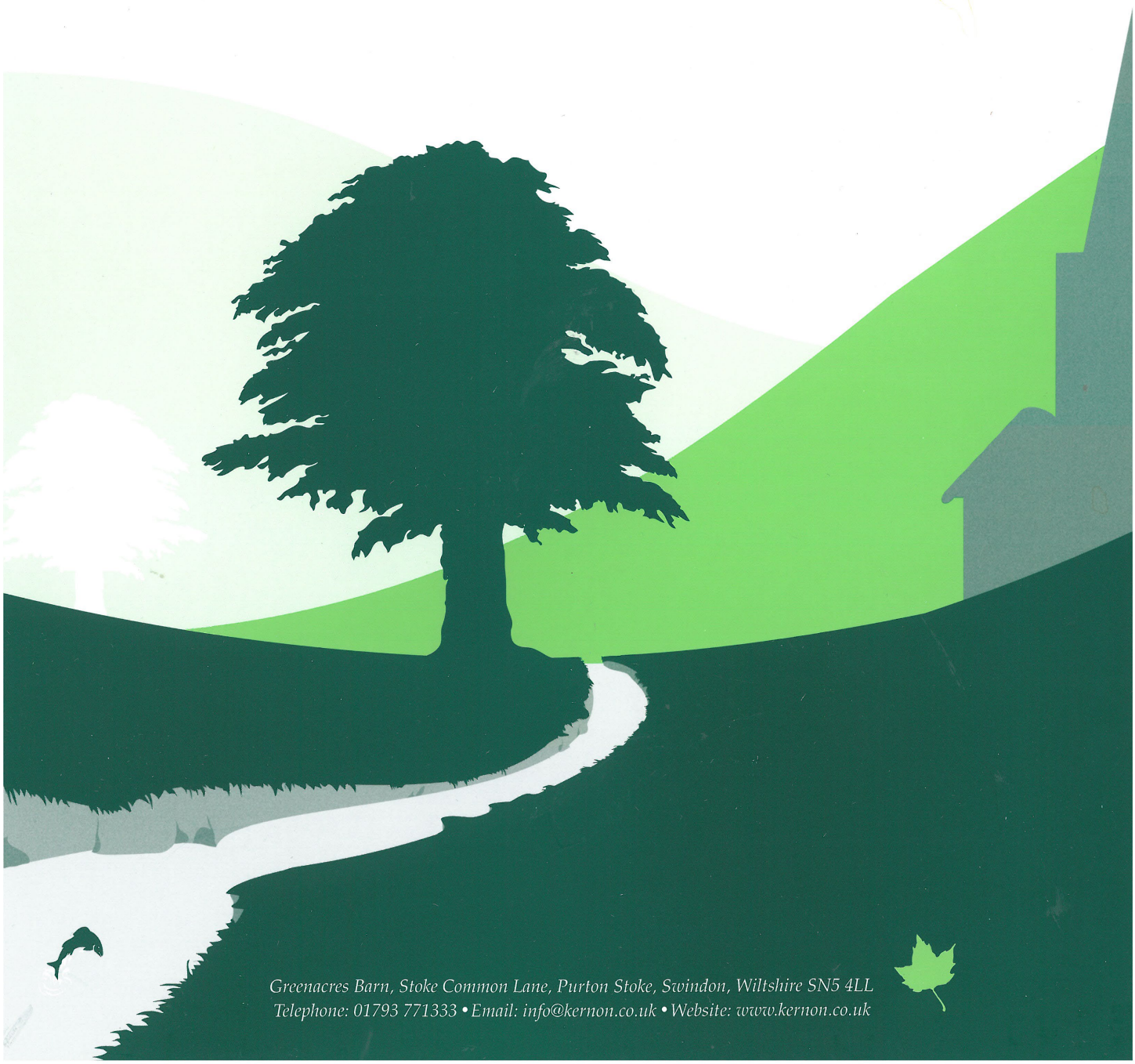
PLAN	**KCC3018/01A**		
TITLE	**Auger Points Plan**		
SITE	Oaklands Solar Farm (Park Farm)		
CLIENT	BayWa.r.e. UK Limited		
NUMBER	**KCC3018/01A 08/23hr**		
DATE	August 2023	**SCALE**	NTS

KERNON COUNTRYSIDE CONSULTANTS LTD
GREENACRES BARN, PURTON STOKE, SWINDON, WILTSHIRE SN5 4LL
Tel 01793 771 333 Email: info@kernon.co.uk

Plan KCC3018/02A

Agricultural Land Classification Plan

KEY		Ha	%	PLAN	KCC3018/02A		
	Grade 1			TITLE	Agricultural Land Classification		
	Grade 2	0.5	6	SITE	Oakland Solar Farm (Park Farm)		
	Grade 3a			CLIENT	BayWa.r.e. UK Limited		
	Grade 3b	8.0	94	NUMBER	KCC3018/02A 08/23hr		
	Grade 4			DATE	August 2023	SCALE	NTS
	Grade 5			KERNON COUNTRYSIDE CONSULTANTS LTD GREENACRES BARN, PURTON STOKE, SWINDON, WILTSHIRE, SN5 4LL Tel 01793 771 333 Email: info@kernon.co.uk 		
	Non-agricultural						
	Urban						
	Not surveyed						



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