

Sea Link

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Predictive Agricultural Land Classification Report – Kent

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1. Introduction

1.1 Background

- 1.1.1 This report sets out the assessment undertaken to assign grades to agricultural land in accordance with the Agricultural Land Classification (ALC) system associated with the Proposed Project (as described in **Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Project**).
- 1.1.2 This report should be read in conjunction with the following ES chapters:
- **Application Document 6.2.1.3 Part 1 Introduction Chapter 3 Main Alternatives Considered;**
 - **Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Project;**
 - **Application Document 6.2.1.5 Part 1 Introduction Chapter 5 EIA Approach and Methodology;**
 - **Application Document 6.2.1.6 Part 1 Introduction Chapter 6 Scoping Opinion and EIA Consultation;** and
 - **Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture and Soils.**
- 1.1.3 This report is supported by the following figures:
- **Application Document 6.4.3.7 Agriculture and Soils.**
- 1.1.4 The Agricultural Land Classification (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’. Agricultural land classified as Grades 1, 2, and Subgrade 3a are categorized as Best and Most Versatile (BMV) (Ministry of Agriculture, Fisheries and Food, 1988) (Natural England, 2012). Further details of the ALC system and national planning policy implications are set out by Natural England (Natural England, 2021).
- 1.1.5 Predictive ALC grading has been used as an alternative to undertaking intrusive field surveys because of an identified risk of unexploded ordnance being present in the areas proposed to be surveyed. This approach was discussed with Natural England in December 2024 and January 2025. This approach was discussed with Natural England in December 2024 and January 2025. Whilst Natural England support the inclusion of the predictive mapping they highlight that this provides an indication of the ALC grade and does not provide the information required to inform the development of a Soil Management Plan (SMP). As set out in **Application Document 6.2.3.6 Part 2 Kent Chapter 6 Agriculture and Soils** surveys will be completed pre-construction to ensure site-specific survey data is available for the SMP.
- 1.1.6 The predictive ALC calculations were undertaken by collating and assessing available site and soil data and calculating land grades from these data using the Ministry of

Agriculture, Fisheries and Food (MAFF) Agricultural Land Classification of England and Wales: Revised Guidelines and Criteria for Grading the Quality of Agricultural Land (henceforth referred to as the 'ALC Guidelines'). The data manipulation was undertaken in GIS.

2. Predictive ALC Grading Methodology

- 2.1.1 This ALC assessment of agricultural land within the Order Limits for the Kent Onshore Scheme relies upon the predictive modelling of agricultural grades for 284 location points.
- 2.1.2 These location points were arranged in areas across the Order Limits on a 100 m grid pattern at a density of approximately one sample point per hectare. The coordinates for all predictive ALC grading locations are listed in **Annex A**.
- 2.1.3 Mapping has been extended to ensure that all ecological mitigation sites have also been accounted for in the assessment.
- 2.1.4 The predictive ALC grading comprised an assessment of the likely soil types present and the factors affecting soils at given locations to assess the potential land grade (using the Ministry of Agriculture, Fisheries and Food (MAFF) Agricultural Land Classification of England and Wales: Revised Guidelines and Criteria for Grading the Quality of Agricultural Land (henceforth referred to as the 'ALC Guidelines'), as set out in Sections 2.5 – 2.5 of this appendix.
- 2.1.5 It is noted that this approach has limitations when compared to physical detailed ALC surveys, with the outcome for each point assessed being a modelled prediction and not therefore definitive, albeit based on the best available data. The method adopted, however, has been used to supplement the available Provisional ALC mapping at a scale of 1:250,000 (which is not considered suitable for use at a project level) to provide a greater level of refinement than using the Provisional ALC 1:250,000 mapping alone.
- 2.1.6 Until such a time that a predictive ALC methodology is developed for England, this predictive ALC methodology follows the approach developed for the Welsh Government's Predictive ALC Map online (Welsh Government, 2021), which in turn is based on the ALC Guidelines. An ALC grade has been determined for 284 points across the land within the Order Limits where reliable desk-based information was available.
- 2.1.7 The predictive ALC mapping has utilized published information on climate, topography, flood risk, geology, soil types and associations, MAFF Provisional ALC (1:250,000) and Defra's Likelihood of BMV map (Defra, 2017) (Defra, 2024).
- 2.1.8 The data used in the predictive ALC and the resulting ALC grade per sample point are shown in **Annex A**.

The data table in

- 2.1.9 Table 2.1 is structured to follow the sequential approach of the ALC Guidelines accounting for the data featured in **Annex A**.

Table 2.1 Data used in predictive ALC

Data	Description of data and source
Auger bore location- using the Ordnance Survey (OS) National Grid	
UID (A)	UID = Unique identification for sample point.
Easting (B)	This is a six-figure coordinate representing eastward distance on a map. The easting and northing figures are used to locate the sample point with precision and is especially useful when using a GPS.
Northing (C)	This is a six-figure coordinate representing northward distance on a map. The easting and northing figures are used to locate the sample point with precision and is especially useful when using a GIS.
Land use (D)	These are the terms and abbreviations used for soil pit and auger boring information collected during ALC surveys. These conform to definitions contained in the Soil Survey Field Handbook (Hodgson,1997) and are available from Natural England (2016). For the purpose of this predictive ALC, the land use for each sample point was recorded from the latest available aerial imagery on Google Earth.
Climate limitations: The climate data listed below are interpolated from climatic data required for the assessment of ALC. The climatic data are provided as a grid dataset with 5km spacings. The datasets are derived from data supplied by the Meteorological Office (1989), Bracknell, which were compiled and validated in collaboration with the Soil Survey and Land Research Centre (now National Soil Resources Institute) and the MAFF Agricultural Development and Advisory Service. For this predictive ALC, the representative climate for ALC has been interpolated for every predicted auger location covering the Order Limits, as shown in Annex A. The ALC climate data used for determining (i) overall climate limitation, (ii) soil wetness and (iii) soil droughtiness for each predictive ALC sample point depends upon the climate data from the available 5 km data set. Table 2.2 details the initial climatic data set from which the modelled values were interpolated. A key to the ALC climate data headings is given below.	
AAR (E)	AAR = Average Annual Rainfall (mm)
AT0 (F)	AT0 = Accumulated Temperature above 0°C between January and June (day °C)
MDW (G)	MDW = Moisture Deficit for Wheat (mm)
MDP (H)	MDP = Moisture Deficit for Potatoes (mm)

Data	Description of data and source
FCD (I)	FCD = Field Capacity Days (days). This is a meteorological parameter which estimates when the soil moisture deficit is zero.
Climate grade (J)	This is the overall climate limitation. This can be read from the graph (X-axis is AAR and Y-axis is ATO) given as Figure 1 of the ALC Guidelines (MAFF, 1988).
Site Limitations	
Elevation (K)	This is altitude (m) above ordnance datum (AOD). For this predictive ALC, the altitude per sample location (located using six-figure easting and northing coordinates) has been derived from the National LiDAR programmes 2022 composite DTM model.
Gradient (L)	This is the angle of slope in degrees (°). For this predictive ALC model, this was calculated using the slope geoprocessing tool to calculate from the DTM elevation model.
ALC grade according to gradient (M)	Where the angle of slope at a predictive auger point was calculated to be equal to, or less than, 7° the ALC grade at this location could be Grades 1, 2 and Subgrade 3a according to gradient. The gradient of such land is considered to be suitable for most kinds of agricultural machinery, including precision seeding and harvesting equipment, as per Table 1 of the ALC Guidelines (MAFF, 1988). All but 17 predictive auger locations were found to have a gradient less than or equal to 7°.
ALC grade according to micro-relief (N)	Following the ALC Guidelines (MAFF, 1988), a micro-relief limitation to agricultural land quality exists where complex changes in slope angle and direction over short distances, or where the presence of boulders or rock outcrops, even on level or gentle slopes, can severely limit the use of agricultural machinery. For the purpose of this predictive ALC, an assessment of potential micro-relief limitations was made for each sample location using OS maps (1:25,000) and aerial imagery on Google Earth (Google, 2022).
Flood zone (O)	This identifies the flood zone for each sample point. This information is available on the Environment Agency's (2020) Flood Map for Planning website. Flood zones refer to the probability of river and sea flooding, ignoring the presence of defences, as follows: • Zone 1 Low Probability – Land having a less than 1 in 1,000 annual probability of river or sea flooding.

Data	Description of data and source
	- Zone 2 Medium Probability – Land having between a 1 in 100 and 1 in 1,000 annual probability of river flooding; or land having between a 1 in 200 and 1 in 1,000 annual probability of sea flooding. - Zone 3a High Probability – Land having a 1 in 100 or greater annual probability of river flooding; or land having a 1 in 200 or greater annual probability of sea flooding. - Zone 3b The Functional Floodplain – This zone comprises land where water must flow or be stored in times of flood.
Predicted grade according to flood risk in summer (P)	This is the grade according to flood risk in summer, as per Table 2 of the ALC Guidelines (MAFF, 1988). No data were available to be able to assess flood risk in summer. For this assessment, the grade according to flood risk in summer was predicted to be Grade 1 (i.e., no limitation) at all sample points.
Predicted grade according to flood risk in winter (Q)	This is the grade according to flood risk in winter, as per Table 3 of the ALC Guidelines (MAFF, 1988). No data were available to be able to assess flood risk in winter. For this assessment, the grade according to flood risk in winter was predicted to be Grade 1 (i.e. no limitation) at most sample points. Where the sample point was in Flood Zone 3 the point was limited to Grade 3b.
Soil and Interactive Limitations	
Bedrock (R)	This is the bedrock underlying each predictive ALC sample point identified from British Geological Survey (BGS) information at a scale of 1:50,000. This information was provided per sample point using GIS. This information is also publicly available on the BGS (2022) Geology of Britain viewer.
Superficial Deposits (S)	This is a superficial deposit (where present) which covers the bedrock. This information was determined for each predictive ALC sample point identified from BGS information at a scale of 1:50,000. This information was provided per sample point using GIS. This information is also publicly available on the BGS (2022) Geology of Britain viewer.
Soil association (T)	The whole of England and Wales is covered by the National Soil Map, comprising six soil maps at a scale of 1:250,000 with accompanying Regional Bulletins. The National Soil Map shows the location and extent of soil associations, which are groupings of spatially related soil types. Data and information on soil

Data	Description of data and source
	associations can be obtained from the Land Information System (LandIS) webpage.
Topsoil texture (U)	This is the texture of the topsoil used to represent each predictive ALC sample point. It is derived from the SSEW description of the predominant soil series used to represent the soil at each predictive ALC sample point, as described in 'soil series' above. The SSEW description of soil series is available on the Land Information System (LandIS) 'Soils Guide'.
Wetness Class (V)	The Wetness Class (WC) of a soil is classified according to the depth and duration of waterlogging in the soil profile and has six categories from WC I, which is well drained, to WC VI, which is very poorly drained. The procedure for assessing WC for ALC purposes is described in Appendix 3 of the ALC Guidelines (MAFF, 1988). For the purpose of this predictive ALC, the WC used to represent each sample point is the WC as shown in the Wetness Mapping available from Cranfield University.
Topsoil stoniness (W)	This is the indicative stone content in the topsoil at each predictive ALC sample point. It does not provide a predictive ALC grade according to stone content, as per Table 5, ALC Guidelines (MAFF, 1988), as insufficient data regarding stone size and content are available from published sources. The indicative information is derived from available auger logs for land within the Order Limits that has been purchased from Cranfield University. This auger bore information was used in conjunction with the Soil Association information available through LandIS.
Predicted grade according to soil depth (X)	This is a prediction of the ALC grade according to soil depth, as per Table 4 of the ALC Guidelines (MAFF, 1988). It utilises the average depth of topsoil as per the auger logs purchased from Cranfield University. This auger bore information was used in conjunction with the Soil Association information available through LandIS.
Predicted grade according to soil stoniness (Y)	This is a prediction of the ALC grade according to soil stoniness, as per Table 5 of the ALC Guidelines (MAFF, 1988). It utilises information from LandIS on Soil Associations, as well as accounting for average stoniness in the auger bore logs purchased from Cranfield University (Annex B).
Predicted grade according to soil wetness (Z)	This is the predictive ALC grade according to soil wetness, as per Table 6 of the ALC Guidelines (MAFF, 1988). It utilises (i) topsoil texture, (ii) WC (see 'Wetness Class') and (iii) Field Capacity Days (see 'Climate Limitations').

Data	Description of data and source
Calculated moisture balance – wheat (AA)	The Moisture Balance (MB) value for wheat is calculated in accordance with the ALC Guidelines (MAFF, 1988) as follows: Moisture Balance (MB) for wheat = Crop Adjusted Available Water Capacity (AP) – Moisture Deficit (MD) for wheat. For the purpose of this predictive ALC, the MB value for wheat for each predictive ALC sample point is derived from calculated data using (i) soil profile data for the predominant soil series (see ‘Soil Series’ above), and (ii) relevant climate data for the respective 1km square (see ‘Climate Limitations’ above).
Predicted grade according to soil droughtiness – wheat (AB)	This is the predicted ALC grade according to droughtiness for wheat per sample point, following Table 8 of the ALC Guidelines (MAFF, 1988). It is determined from the Moisture Balance (MB) value for wheat, as described in ‘Calculated Moisture Balance – Wheat’ above.
Calculated moisture balance – potatoes (AC)	The Moisture Balance (MB) value for potatoes is calculated in accordance with the ALC Guidelines (MAFF, 1988) as follows: Moisture Balance (MB) for potatoes = Crop Adjusted Available Water Capacity (AP) – Moisture Deficit (MD) for potatoes. For the purpose of this predictive ALC, the MB value for potatoes for each predictive ALC sample point is derived from calculated data using (i) soil profile data for the predominant soil series (see ‘Soil Series’ above), and (ii) relevant climate data for the respective 1km square (see ‘Climate Limitations’ above).
Predicted grade according to soil droughtiness – potatoes (AD)	This is the predicted ALC grade according to droughtiness for potatoes per sample point, following Table 8 of the ALC Guidelines (MAFF, 1988). It is determined from the Moisture Balance (MB) value for potatoes, as described in ‘Calculated Moisture Balance – Potatoes’ above.
Predicted grade according to erosion (AE)	This is the predicted ALC grade according to erosion, as per pages 28 and 29 of the ALC Guidelines (MAFF, 1988). For the purpose of this predictive assessment we have assumed erosion to be a non-limiting factor; this is a factor that would be verified through site-specific surveys.
Predicted ALC according to most limiting factor (AF)	This is the final predictive ALC grade for each of the 284 sample points. It represents the most limiting (worst) grade(s) according to the climate, site, soil and interactive limitations.
MAFF provisional ALC grade (AG)	This is the Provisional ALC grade per sample point derived from MAFF Provisional (Pre-1988) ALC maps at a scale of 1:250,000. The Provisional ALC grade per sample point was determined using GIS, but the Provisional ALC information is available via Landscape/Landscape Classifications/Post-1988 ALC on the MAGIC website (Natural England, 2020). Pdf

Data	Description of data and source
	versions of the 1:250,000 Provisional ALC maps are available for download from Natural England (2010).
Defra likelihood of encountering BMV (AH)	This is a prediction made by Defra of the likelihood of encountering BMV agricultural land, i.e. ALC Grade 1, Grade 2 and Subgrade 3a. High likelihood of BMV land (>60% area BMV); moderate likelihood of BMV land (20–60% area BMV); low likelihood of BMV land (<=20% area BMV); non-agricultural use; urban/industrial. The likelihood of encountering BMV at each sample point was derived using GIS information. A pdf version of the Likelihood of Encountering BMV maps is available from (Defra, 2017).
Comments (AI)	This is additional information which is relevant to the predictive ALC grade per sample point.

2.2 Climate

- 2.2.1 The available climate data for ALC which have been used to represent 1km grid squares covering the Order Limits are shown in Table 2.2. These are the values that have been used to calculate interpolated values for each of the predicted auger locations.

Table 2.2 Available Met Office climate data for land within the Order Limits

5 km grid reference	Height (m)	AAR	AT0	FCD	MDW	MDP	Grade according to climate only ¹
TR300550	23	685	1468	141	122	119	1
TR300600	5	660	1487	134	128	127	1
TR300650	16	614	1472	123	125	123	1
TR350550	4	675	1489	138	126	125	1
TR350600	4	649	1487	133	131	130	1
TR350650	33	617	1452	125	125	123	1
TR350700	10	590	1476	117	131	131	1
TR400650	0	619	1488	124	131	131	1
TR400700	13	600	1471	119	130	129	1

Key to Table 2.2

¹ This is the grade according to climate only, excluding any other limiting factor, i.e. site, soil and/or interactive limitations

Parameter	Definition
AT0	Accumulated Temperature above 0°C (January – June)
AAR	Average Annual Rainfall (mm)
FCD	Field Capacity Days
MDW	Moisture Deficit (mm) Wheat
MDP	Moisture Deficit (mm) Potatoes
Climate grade	Best ALC Grade According to Climate Limitation

- 2.2.2 With reference to Figure 1 ‘*Grade according to climate*’ of the ALC Guidelines (Ministry of Agriculture, Fisheries and Food, 1988), there is no overall climatic limitation to the quality of agricultural land within the Order Limits for the Kent Onshore development. This means that agricultural land could be graded as ALC Grade 1 in overall climatic terms, in the absence of any other limiting factor, i.e., site, soil and/or interactive limitations.
- 2.2.3 The climatic data presented in Table 2.2 was then used to calculate interpolated climatic values for each of the predicted auger locations, based upon the proximity of each location to the surrounding climatic points. The interpolated climatic values for each location are detailed in Annex A.
- 2.2.4 Agricultural land within the Order Limit is predicted to be at field capacity (i.e., near saturation point) for between 125 and 134 days (average 128) per year (Annex A). In combination with topsoil texture and wetness class, this will cause an interactive limitation to agricultural land quality, i.e., soil wetness and/or soil droughtiness.

2.3 Site

- 2.3.1 The study area assessed in this section extends from the Kent coastline just north of Cliffsend to the River Stour south of Minster.
- 2.3.2 Regarding 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 changes in slope and angle over short distances); and
 - risk of flooding.

Gradient and micro-relief

- 2.3.3 Using available desk-based information the land within the Order Limits across the Kent Onshore section of the proposed project is shown as relatively level and with an average gradient of 2.84°. On average, the quality of agricultural land is generally not limited by gradient as the angle of slope does not exceed 7° (See Table 1 of the ALC Guidelines); however there are 17 locations (as identified in Annex A) where the calculated gradient exceeds 7°, and is as such determined to be a limiting factor. Likewise, without further site-based assessment, it is assumed that the quality of land within the Order Limits is not limited by micro-relief.

Risk of flooding

- 2.3.4 From the Environment Agency Flood Map for Planning website (Environment Agency, 2021) the land within the Order Limits for the Kent Onshore section of the project contains significant areas of land classified as being in Flood Zone 3, as well as further areas in Flood Zone 2. For Flood Zone 3 this means that there is a high probability of flooding in these areas, quantified as a 1% or more chance of flooding from rivers, or a 0.5% or more chance of flooding by sea. For Flood Zone 2 these risks are noted as a 0.1% risk of flooding from rivers and a 0.05%-0.1% chance of flooding from the sea.
- 2.3.5 These flood zones primarily follow the coastal strip and the southern bank of the River Stour.
- 2.3.6 Predictive auger locations located within a Flood Zone 3 were assigned a Flood Risk Grade 3b. There are 83 auger locations situated within areas mapped as Flood Zone 3, and as such flood risk was noted as a potential limiting factor.

2.4 Soil

Geology/soil parent material

- 2.4.1 The solid geology underlying the study area is described as comprising the Thanet Formation. This comprises sand, silt, and clay sedimentary rocks formed approximately 56 to 59 million years ago in the Palaeogene Period.
- 2.4.2 This solid geology is in the main overlain by tidal flat deposits within the study area. This material comprises clay and silt and was deposited around 2 million years ago in the Quaternary Period. Along the alignment of Richborough Way these superficial deposits are absent.

Published information on soils

- 2.4.3 Using currently available data the soil associations expected within the Order Limits for the Onshore Kent development are mapped as Coombe 1, Hamble 1, and Newchurch 2. From available Soil Survey of England and Wales information, the soils within each association may be described as follows:

Coombe 1 Association

- 2.4.4 Soils of this association are described as well drained calcareous fine silty soils deep in valley bottoms, shallow to chalk on valley sides in places. The soils of this association are developed in flinty, chalky drift in broad valleys and on the lower dip slope of the Chalk in southern England. The soils are well drained, calcareous, fine silty, and often very stony. Soil variation is related to the thickness of drift over the chalk. In the Coombe series (typical brown calcareous earths) the subsoil merges downwards into thick, flinty chalky drift.
- 2.4.5 This association primarily comprises soils from five main soil series: Coombe (Calcaric Cambisols), Panholes (Calcaric Endoleptic Cambisols), Andover (Calcaric Leptosols), Charity (Chromic Luvisols) and Millington (Colluvic Calcaric Cambisols).

Hamble 1 Association

- 2.4.6 This association comprises deep well-drained often stoneless fine silty soils. Some similar soils affected by groundwater can be present and some can comprise fine loamy soils with slowly permeable subsoils and slight seasonal waterlogging. In addition, there can be some shallower soils over chalk. This association occurs only in north and east Kent.
- 2.4.7 The soils are developed on the lower part of the North Downs dipslope in aeolian silty drift and related Head over Chalk and Tertiary strata, chiefly loamy Thanet Beds. The once extensive Tertiary cover is dissected and cut through to the Chalk. The spreads of silty drift occur irregularly on the gently sloping valley sides and on the dipslope where in places they are extensive. The land is gently undulating and reaches almost to sea level. Stoneless well-drained silty Hamble soils, typical argillic brown earths, are dominant with similar, less well drained Hook soils, gleyic argillic brown earths with grey mottling in the subsoil, being common. Bursledon soils are fine loamy stagnogleyic argillic brown earths developed locally in Thanet Beds, and Frilsham series are well drained fine loamy typical argillic brown earths over Chalk at moderate depth.

Newchurch 2

- 2.4.8 The soils in this association are characterized as deep stoneless mainly calcareous clayey soils. The Newchurch series, which belongs to the pelo-calcareous alluvial gley soils, dominates the association which also contains non-calcareous clayey Wallasea series and, locally, calcareous silty Agney, Romney and Blacktoft series and silty over clayey Stockwith series.

Soil auger bore data (historic surveys)

- 2.4.9 Local auger bore data was purchased from Cranfield University (Annex B). For the purpose of this predictive assessment there are 2 auger bores that are present within proximity of the Order Limits and were used to help inform the assessment.
- 2.4.10 The purchased auger bore information was used to inform the predictive assessment by providing more granular information on soil stoniness, horizons and depths; this data was then extrapolated to provide representative values for each representative soil association within the Order Limit.

2.5 Interactive limitations

- 2.5.1 From the published information and the results of the predictive ALC modelling, it has been determined that the quality of the agricultural land within the Order Limits is primarily limited by droughtiness and flood risk.

Soil droughtiness

- 2.5.2 Moisture balance (MB) calculations for the ALC reference crops (winter wheat and maincrop potatoes) have been conducted for all locations as part of the predictive model. The Moisture Balance (MB) value for potatoes is calculated in accordance with the ALC Guidelines (Ministry of Agriculture, Fisheries and Food, 1988) as follows: Moisture Balance (MB) for potatoes = Crop Adjusted Available Water Capacity (AP) – Moisture Deficit (MD) for potatoes.
- 2.5.3 For the purpose of this predictive ALC, the MB value for potatoes for each predictive ALC sample point is derived from calculated data using (i) soil profile data for the

predominant soil association, supported by extrapolated data from the local soil bore data and (ii) relevant climate data for each location interpolated from the respective 5km square. Soil droughtiness is then determined per location following Table 8 'Grade according to droughtiness' of the ALC Guidelines (Ministry of Agriculture, Fisheries and Food, 1988), as shown in Table 2.3.

Table 2.3 Grade according to soil droughtiness (Table 8 of the ALC Guidelines)

Grade/subgrade	Moisture Balance limits (mm)	
	Wheat	Potatoes
1	+30	+10
2	+5	-10
3a	-20	-30
3b	-50	-55
4	< -50	< -55

- 2.5.4 Across all the soil associations present the main limitation to agricultural land quality has been determined as being soil droughtiness.

Soil Wetness

- 2.5.5 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'*. The ALC grade according to soil wetness within the Order Limits is given in Table 2.4 (based on Table 6 'Grade According to Soil Wetness- Mineral Soils' in the ALC Guidelines (Ministry of Agriculture, Fisheries and Food, 1988)).

Table 2.4 ALC grade according to soil wetness

WC	Texture of the top 25 cm	Field Capacity Days	
		<126	126-150
I	Sand, Loamy Sand, Sandy Loam, Sandy Silt Loam	1	2
	Sandy Clay Loam/Medium Silty Clay Loam/Medium Clay Loam*	1	2
	Heavy Clay Loam**	2	2
	Sandy Clay/Silty Clay/Clay	3a (2)	3a (2)
II	Sand, Loamy Sand, Sandy Loam, Sandy Silt Loam	1	1
	Sandy Clay Loam/Medium Silty Clay Loam/Medium Clay Loam*	2	2
	Heavy Clay Loam**	3a (2)	3a (2)
	Sandy Clay/Silty Clay/Clay	3a (2)	33 (3a)

WC	Texture of the top 25 cm	Field Capacity Days	
		<126	126-150
III	Sand, Loamy Sand, Sandy Loam, Sandy Silt Loam	2	2
	Sandy Clay Loam/Medium Silty Clay Loam/Medium Clay Loam*	3a (2)	3a (2)
	Heavy Clay Loam**	3b (3a)	3b (3a)
	Sandy Clay/Silty Clay/Clay	3b (3a)	3b (3a)
IV	Sand, Loamy Sand, Sandy Loam, Sandy Silt Loam	3a	3a
	Sandy Clay Loam/Medium Silty Clay Loam/Medium Clay Loam*	3b	3b
	Heavy Clay Loam**	3b	3b
	Sandy Clay/Silty Clay/Clay	3b	3b
V	Sand, Loamy Sand, Sandy Silt Loam	4	4
	Silt Loam, Medium Silt Clay Loam, Sandy Clay Loam	4	4
	Heavy Silt Clay Loam, Heavy Clay Loam	4	4
	Sandy Clay, Silty Clay, Clay	4	4
Key			
* < 27% clay; and ** > 27% clay			

- Soil wetness was not found to be a limiting factor for any of the locations assessed as part of the predictive model.

3. ALC Grade Distribution

- 3.1.1 The findings of the predictive ALC modelling have been used to produce an ALC map (**Application Document 6.4.3.6.4**) to show the predicted ALC grades on agricultural land across the Kent Onshore Scheme.
- 3.1.2 The areas (ha) and proportion (%) of land in each grade have been determined from the ALC map. The measurements are given in Table 3.1. The map is accurate to a scale of 1:10,000, any further enlargement could lead to inaccuracies.
- 3.1.3 As described in the ALC Guidelines, the grade or subgrade of the land is determined by the most limiting factor present. When classifying land, the overall climate and site limitations should be considered first as these can have an overriding influence on the grade.
- 3.1.4 The land has been graded and mapped without regard to present land boundaries, except where they coincide with permanent physical features. A degree of variability in physical characteristics within a discrete area is to be expected. If the area includes a small portion of land of a different grade quality, the variability can be considered as a function of the mapping scale. Thus, small, discrete areas of a different ALC grade may be identified on large-scale maps, whereas on a smaller scale map it may only be feasible to show the predominant grade.

Table 3.1 ALC distribution for Kent Onshore

ALC Grade	Area (ha)	Area (%)
Grade 1 (excellent)	0.00	0.00
Grade 2 (very good)	31.65	18.66
Subgrade 3a (good)	53.36	31.45
<i>Total Predicted BMV land</i>	<i>85.01</i>	<i>50.11</i>
Subgrade 3b (moderate)	71.05	41.88
Grade 4 (poor)	0.00	0.00
Grade 5 (very poor)	0.00	0.00
Non-agricultural	13.61	8.02
Total	169.67 ha	100 %

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Annex A: Predictive Data Set

Auger Bore Location				Climatic Limitations					Site Limitations						Soil and Interactive Limitations														Grades			Comments and Limiting Factors								
UID	Eastings	Northings	Land Use	AAR	ATO	MDW	MDP	FCD	Climate Grade	Elevation_m	Gradient	GradientGrade	Micro Relief Grade	Flood Zone	Summer Flood Risk Grade	Winter Flood Risk Grade	Bedrock	Superficial Deposits				Association	Topsoil Texture	Wetness Class	Topsoil Stoniness	Soil Depth Grade	Stone Grade	Soil Wetness Grade	Moisture Balance Wheat	Moisture Balance Wheat Grade	Moisture Balance Potatoes	Moisture Balance Potatoes Grade	Erosion Grade	Predicted ALC According to Most Limiting Factor	MAFF Provisions ALC	BMV Likelihood	Comments	Limiting Factor 1	Limiting Factor 2	Limiting Factor 3
1	630662.87	162731.04	Arable	633	1477	127	125	128	1	2.15	0.92	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.73	3a	-26.20	3a	1	3b	3	High		Flood Risk					
2	630664.00	162948.00	Arable	629	1476	127	125	127	1	1.73	0.34	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.72	3a	-26.20	3a	1	3b	2	High		Flood Risk					
3	630764.00	162848.00	Arable	630	1477	127	125	127	1	1.73	0.31	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.80	3a	-26.30	3a	1	3b	3	High		Flood Risk					
4	630764.00	162948.00	Arable	629	1476	127	125	127	1	1.76	0.79	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.75	3a	-26.24	3a	1	3b	2	High		Flood Risk					
5	630781.67	163022.80	Arable	628	1476	127	125	127	1	1.86	0.58	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.70	3a	-26.18	3a	1	3b	2	High		Flood Risk					
6	630816.75	163099.47	Arable	627	1476	127	125	127	1	2.36	4.70	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.66	3a	-26.12	3a	1	3a	2	High		Droughtiness					
7	630850.54	163187.65	Arable	626	1476	127	125	126	1	2.72	5.37	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.61	3a	-26.05	3a	1	3a	2	High		Droughtiness					
8	630862.42	163286.94	Arable	625	1475	127	125	126	1	2.54	1.85	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.54	3a	-25.97	3a	1	3a	2	High		Droughtiness					
9	630864.00	162748.00	Arable	631	1477	127	125	128	1	2.39	8.84	3b	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.91	3a	-26.44	3a	1	3b	3	High		Flood Risk	Gradient				
10	630864.00	162848.00	Arable	630	1477	127	125	127	1	2.17	3.27	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.84	3a	-26.35	3a	1	3b	3	High		Flood Risk					
11	630864.00	162948.00	Arable	629	1476	127	125	127	1	1.84	8.78	3b	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.78	3a	-26.27	3a	1	3b	2	High		Flood Risk	Gradient				
12	630869.07	163384.45	Arable	624	1475	126	125	126	1	2.68	4.57	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.47	3a	-25.88	3a	1	3a	2	High		Droughtiness					
13	630907.82	163476.63	Arable	624	1475	126	125	126	1	1.98	1.48	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.42	3a	-25.81	3a	1	3a	2	High		Droughtiness					
14	630930.14	163574.11	Arable	623	1475	126	125	126	1	2.07	2.19	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.35	3a	-25.73	3a	1	3a	2	High		Droughtiness					
15	630950.34	163671.22	Arable	622	1474	126	125	125	1	2.23	1.81	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.29	3a	-25.65	3a	1	3a	2	High		Droughtiness					
16	630964.00	162748.00	Arable	631	1477	127	125	128	1	1.75	1.13	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.93	3a	-26.46	3a	1	3b	3	High		Flood Risk					
17	630970.49	162917.64	Arable	629	1476	127	125	127	1	2.38	1.32	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.83	3a	-26.33	3a	1	3b	3	High		Flood Risk					
18	630986.23	163763.14	Arable	621	1474	126	125	125	1	2.23	1.02	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.24	3a	-25.59	3a	1	3a	2	High		Droughtiness					
19	630993.13	163862.24	Arable	621	1474	126	125	125	1	2.27	3.22	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.17	3a	-25.50	3a	1	3a	2	High		Droughtiness					
20	631006.25	163961.22	Arable	620	1474	126	124	125	1	2.23	1.85	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.11	3a	-25.43	3a	1	3a	2	High		Droughtiness					
21	631026.07	164059.24	Arable	619	1474	126	124	125	1	2.36	3.01	1-3a	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.06	3a	-25.36	3a	1	3a	2	High		Droughtiness					
22	631064.00	162648.00	Arable	632	1477	127	126	128	1	2.17	1.10	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.01	3a	-26.56	3a	1	3b	3	High		Flood Risk					
23	631064.00	162748.00	Arable	631	1477	127	125	128	1	1.88	1.84	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.95	3a	-26.49	3a	1	3b	3	High		Flood Risk					
24	631064.00	162848.00	Arable	630	1477	127	125	127	1	3.03	2.56	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.89	3a	-26.41	3a	1	3b	3	High		Flood Risk					
25	631164.00	162648.00	Arable	632	1477	127	126	128	1	1.73	5.33	1-3a	1	3	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.03	3a	-26.59	3a	1	3b	3	High		Flood Risk					
26	631164.00	162748.00	Arable	631	1477	127	126	128	1	1.85	0.75	1-3a	1	3	1	3b	Thanet Formation - Sand,																							

Annex A: Predictive Data Set

56	631808.38	163951.80	Arable	622	1473	127	125	126	1	1.85	18.03	5	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.61	3a	-26.05	3a	1	5	2	High	Gradient
57	631811.62	163233.19	Arable	627	1475	127	125	127	1	1.47	0.85	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.92	3a	-26.44	3a	1	3a	2	High	Droughtiness
58	631822.06	163396.12	Arable	626	1474	127	125	127	1	1.53	0.83	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.84	3a	-26.35	3a	1	3a	2	High	Droughtiness
59	631830.15	163553.90	Arable	625	1474	127	125	126	1	1.90	0.94	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.78	3a	-26.26	3a	1	3a	2	High	Droughtiness
60	631841.68	163759.80	Arable	624	1474	127	125	126	1	2.56	6.28	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.69	3a	-26.16	3a	1	3a	2	High	Droughtiness
61	631847.19	163859.64	Arable	623	1473	127	125	126	1	2.16	5.42	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.66	3a	-26.12	3a	1	3a	2	High	Droughtiness
62	631864.00	162248.00	Arable	639	1477	127	126	129	1	1.80	0.69	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.11	3a	-26.65	3a	1	3b	3	High	Flood Risk
63	631864.00	162348.00	Arable	637	1477	127	126	129	1	1.80	1.08	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.13	3a	-26.68	3a	1	3b	3	High	Flood Risk
64	631864.00	162448.00	Arable	635	1477	127	126	129	1	1.70	0.29	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.21	3a	-26.79	3a	1	3b	3	High	Flood Risk
65	631864.00	162848.00	Arable	630	1476	127	126	128	1	1.76	1.53	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.12	3a	-26.68	3a	1	3a	2	High	Droughtiness
66	631864.00	163148.00	Arable	628	1475	127	126	127	1	1.39	1.30	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.97	3a	-26.51	3a	1	3a	2	High	Droughtiness
67	631864.00	163648.00	Arable	624	1474	127	125	126	1	2.12	3.53	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.75	3a	-26.23	3a	1	3a	2	High	Droughtiness
68	631873.18	163999.76	Arable	622	1473	127	125	126	1	2.85	3.79	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.62	3a	-26.07	3a	1	3a	2	High	Droughtiness
69	631893.69	160444.01	Arable	652	1482	128	126	133	1	6.47	1.12	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.46	1	-1.21	2	1	2	2	High	Droughtiness
70	631909.51	163058.95	Arable	629	1475	127	126	127	1	1.38	0.80	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.03	3a	-26.57	3a	1	3a	2	High	Droughtiness
71	631920.09	163376.41	Arable	626	1474	127	125	127	1	0.64	9.96	3b	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.89	3a	-26.40	3a	1	3b	2	High	Gradient
72	631939.65	160533.89	Arable	652	1482	128	126	133	1	5.49	1.65	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.45	1	-1.21	2	1	2	2	High	Droughtiness
73	631964.00	162148.00	Arable	639	1477	127	126	130	1	1.79	0.39	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.18	3a	-26.74	3a	1	3b	3	High	Flood Risk
74	631964.00	162248.00	Arable	639	1477	127	126	129	1	1.86	0.41	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.14	3a	-26.69	3a	1	3b	3	High	Flood Risk
75	631964.00	162348.00	Arable	637	1477	127	126	129	1	1.75	0.57	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.16	3a	-26.71	3a	1	3b	3	High	Flood Risk
76	631964.00	162848.00	Arable	630	1476	127	126	128	1	1.84	1.08	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.14	3a	-26.71	3a	1	3a	2	High	Droughtiness
77	631964.00	162948.00	Arable	630	1475	127	126	127	1	1.79	0.96	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.10	3a	-26.65	3a	1	3a	2	High	Droughtiness
78	631965.94	161304.58	Arable	646	1480	127	126	131	1	2.08	3.95	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.48	3a	-27.11	3a	1	3a	2	High	Droughtiness
79	631966.04	164036.87	Arable	622	1473	127	125	126	1	3.44	1.63	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Head, 1 - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.65	3a	-26.11	3a	1	3a	2	High	Droughtiness
80	631972.91	161405.22	Arable	645	1479	127	126	131	1	2.25	1.87	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.45	3a	-27.08	3a	1	3a	2	High	Droughtiness
81	631973.01	160628.16	Arable	651	1481	128	126	132	1	4.31	1.44	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.42	1	-1.24	2	1	2	2	High	Droughtiness
82	631988.43	160815.65	Arable	649	1481	128	126	132	1	3.51	3.27	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.41	1	-1.26	2	1	2	2	High	Droughtiness
83	631992.11	160718.00	Arable	650	1481	128	126	132	1	4.79	1.59	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.40	1	-1.26	2	1	2	2	High	Droughtiness
84	631999.46	161211.51	Arable	646	1480	128	126	131	1	1.91	1.09	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.52	3a	-27.16	3a	1	3a	2	High	Droughtiness
85	632000.89	161501.22	Arable	644	1479	127	126	131	1	2.29	3.13	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.43	3a	-27.05	3a	1	3a	2	High	Droughtiness
86	632006.21	161111.74	Arable	647	1480	128	126	131	1	2.01	0.73	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.54	3a	-27.19	3a	1	3a	2	High	Droughtiness
87	632008.26	160913.66	Arable	648	1481	128	126	132	1	2.26	1.94	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.42	1	-1.24	2	1	2	2	High	Droughtiness
88	632023.88	161013.48	Arable	648	1480	128	126	132	1	1.86	1.12	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.57	3a	-27.22	3a	1	3a	2	High	Droughtiness
89	632025.20	161598.22	Arable	644	1479	127	126	131	1	2.27	1.16	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.41	3a	-27.02	3a	1	3a	2	High	Droughtiness
90	632050.49	161694.79	Arable	643	1479	127	126	130	1	2.21	3.11	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.38	3a	-26.99	3a	1	3a	2	High	Droughtiness
91	632062.64	164058.27	Arable	622	1473	127	125	126	1	3.35	0.65	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.68	3a	-26.15	3a	1	3a	2	High	Droughtiness
92	632064.00	162148.00	Arable	639	1477	127	126	130	1	1.97	5.60	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.21	3a	-26.77	3a	1	3b	3	High	Flood Risk
93	632064.00	162248.00	Arable	638	1477	127	126	129	1	1.80	0.37	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.17	3a	-26.72	3a	1	3b	3	High	Flood Risk
94	632064.00	162348.00	Arable	637	1477	127	126	129	1	1.83	1.27	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.18	3a	-26.74	3a	1	3b	3	High	Flood Risk
95	632064.00	162948.00	Arable	630	1475	127	126	127	1	1.74	2.88	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.12	3a	-26.69	3a	1	3a	2	High	Droughtiness
96	632064.00	163048.00	Arable	629	1475	127	126	127	1	1.66	1.96	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.08	3a	-26.63	3a	1	3a	2	High	Droughtiness
97	632064.00	163148.00	Arable	628	1475	127	126	127	1	1.36	4.84	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.03	3a	-26.57	3a	1				

Annex A: Predictive Data Set

113	632164.00	163348.00	Arable	627	1474	127	125	127	1	1.54	1.55	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.97	3a	-26.50	3a	1	3a	2	High	Droughtiness
114	632164.00	163448.00	Arable	626	1474	127	125	127	1	1.65	0.75	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.93	3a	-26.45	3a	1	3a	2	High	Droughtiness
115	632164.00	163548.00	Arable	625	1473	127	125	126	1	1.80	0.96	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.89	3a	-26.40	3a	1	3a	2	High	Droughtiness
116	632262.06	164054.78	Arable	623	1472	127	125	126	1	5.08	4.23	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Head, 1 - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.26	1	-0.22	2	1	2	1	High	Droughtiness
117	632264.00	162048.00	Arable	640	1477	127	126	130	1	1.86	0.95	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.32	3a	-26.89	3a	1	3b	3	High	Flood Risk
118	632264.00	162148.00	Arable	639	1477	127	126	130	1	1.91	0.37	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.27	3a	-26.84	3a	1	3b	3	High	Flood Risk
119	632264.00	162848.00	Arable	630	1475	127	126	128	1	1.41	11.11	4	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.22	3a	-26.80	3a	1	4	2	High	Gradient
120	632264.00	162948.00	Arable	630	1475	127	126	127	1	1.46	0.63	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.17	3a	-26.74	3a	1	3a	2	High	Droughtiness
121	632264.00	163048.00	Arable	629	1475	127	126	127	1	1.61	1.23	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.13	3a	-26.69	3a	1	3a	2	High	Droughtiness
122	632264.00	163148.00	Arable	628	1474	127	126	127	1	1.56	2.52	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.08	3a	-26.63	3a	1	3a	2	High	Droughtiness
123	632264.00	163248.00	Arable	627	1474	127	126	127	1	1.64	2.05	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.04	3a	-26.58	3a	1	3a	2	High	Droughtiness
124	632264.00	163348.00	Arable	627	1474	127	126	127	1	1.47	0.42	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.99	3a	-26.53	3a	1	3a	2	High	Droughtiness
125	632264.00	163448.00	Arable	626	1473	127	125	127	1	1.56	0.52	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.95	3a	-26.48	3a	1	3a	2	High	Droughtiness
126	632361.95	164050.07	Arable	623	1472	127	125	126	1	5.36	3.40	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Head, 1 - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.24	1	-0.25	2	1	2	1	High	Droughtiness
127	632364.00	161948.00	Arable	640	1478	127	126	130	1	1.89	2.06	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.42	3a	-27.01	3a	1	3b	3	High	Flood Risk
128	632364.00	162048.00	Arable	639	1477	127	126	130	1	2.32	9.72	3b	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.37	3a	-26.96	3a	1	3b	3	High	Flood Risk Gradient
129	632364.00	162148.00	Arable	639	1477	127	126	130	1	1.68	0.65	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.33	3a	-26.90	3a	1	3b	3	High	Flood Risk
130	632364.00	162948.00	Arable	630	1475	127	126	128	1	1.39	0.70	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.19	3a	-26.76	3a	1	3a	2	High	Droughtiness
131	632364.00	163048.00	Arable	629	1474	127	126	127	1	0.76	6.54	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.14	3a	-26.71	3a	1	3a	2	High	Droughtiness
132	632364.00	163148.00	Arable	628	1474	127	126	127	1	1.49	0.74	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.10	3a	-26.65	3a	1	3a	2	High	Droughtiness
133	632364.00	163248.00	Arable	628	1474	127	126	127	1	1.61	0.53	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.05	3a	-26.60	3a	1	3a	2	High	Droughtiness
134	632364.00	163348.00	Arable	627	1473	127	126	127	1	1.53	0.17	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.01	3a	-26.54	3a	1	3a	2	High	Droughtiness
135	632364.00	163448.00	Arable	626	1473	127	125	127	1	1.58	0.77	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.97	3a	-26.49	3a	1	3a	2	High	Droughtiness
136	632461.85	164045.64	Arable	623	1471	127	125	126	1	5.99	4.52	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Head, 1 - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.26	1	-0.22	2	1	2	1	High	Droughtiness
137	632464.00	159848.00	Arable	656	1481	127	126	134	1	1.93	0.41	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.50	3a	-27.07	3a	1	3b	2	High	Flood Risk
138	632464.00	161948.00	Arable	640	1478	128	126	130	1	1.71	0.41	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.54	3a	-27.16	3a	1	3b	3	High	Flood Risk
139	632464.00	162048.00	Arable	639	1477	127	126	130	1	1.89	0.32	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.49	3a	-27.10	3a	1	3b	3	High	Flood Risk
140	632464.00	162948.00	Arable	630	1474	127	126	128	1	1.50	1.61	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.18	3a	-26.75	3a	1	3a	2	High	Droughtiness
141	632464.00	163048.00	Arable	629	1474	127	126	127	1	1.55	0.45	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.13	3a	-26.69	3a	1	3a	2	High	Droughtiness
142	632464.00	163148.00	Arable	628	1474	127	126	127	1	1.56	0.93	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.09	3a	-26.63	3a	1	3a	2	High	Droughtiness
143	632464.00	163248.00	Arable	628	1473	127	126	127	1	1.59	0.42	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.04	3a	-26.58	3a	1	3a	2	High	Droughtiness
144	632464.00	163348.00	Arable	627	1473	127	126	127	1	1.48	1.01	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.00	3a	-26.52	3a	1	3a	2	High	Droughtiness
145	632561.43	164036.52	Arable	623	1471	127	125	126	1	3.83	4.53	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Head, 1 - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.27	1	-0.20	2	1	2	1	High	Gradient
146	632564.00	159748.00	Arable	655	1482	128	126	134	1	2.20	7.78	3b	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.61	3a	-27.20	3a	1	3b	2	High	Flood Risk Gradient
147	632564.00	159848.00	Arable	655	1482	128	126	134	1	1.70	0.76	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.64	3a	-27.22	3a	1	3b	2	High	Flood Risk
148	632564.00	159948.00	Arable	654	1482	128	126	133	1	1.81	0.32	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.73	3a	-27.34	3a	1	3b	2	High	Flood Risk
149	632564.00	160048.00	Arable	652	1482	128	127	133	1	2.06	0.68	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.87	3a	-27.51	3a	1	3b	2	High	Flood Risk
150	632564.00	161948.00	Arable	639	1478	128	126	130	1	1.67	0.54	1-3a	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.65	3a	-27.31	3a	1	3b	3	High	Flood Risk
151	632564.00	163048.00	Arable	629	1474	127	126	127	1	1.60	0.39	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.13	3a	-26.68	3a	1	3a	2	High	Droughtiness
152	632564.00	163148.00	Arable	629	1473	127	126	127	1	1.51	0.83	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.08	3a	-26.62	3a	1	3a	2	High	Droughtiness
153	632564.00	163248.00	Arable	628	1473	127	126	127	1	1.62	0.53	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.03	3a	-26.56	3a	1	3a	2	High	Droughtiness
154	632661.29	164031.12	Arable	623	1470	127	125	126	1	4.57	3.51	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Head, 1 - Clay and Silt	H															

Annex A: Predictive Data Set

170	632864.00	163348.00	Arable	627	1472	127	126	127	1	1.48	1.36	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.01	3a	-26.54	3a	1	3a	2	High	Droughtiness	
171	632889.89	159615.71	Arable	654	1482	128	127	133	1	3.96	12.18	4	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.99	3a	-27.61	3a	1	4	2	High	Flood Risk	Gradient
172	632959.91	164017.05	Arable	623	1469	127	125	126	1	4.84	4.90	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Head, 1 - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.28	1	-0.18	2	1	2	1	High	Droughtiness	
173	632963.73	159940.71	Arable	653	1482	128	127	133	1	2.66	13.73	4	1	3	1	3b	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-4.17	3a	-27.83	3a	1	4	Non-Agri	High	Gradient	
174	632964.00	163048.00	Arable	629	1473	127	126	127	1	1.52	0.28	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.19	3a	-26.74	3a	1	3a	2	High	Droughtiness	
175	632964.00	163148.00	Arable	628	1472	127	126	127	1	1.49	0.35	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.13	3a	-26.67	3a	1	3a	2	High	Droughtiness	
176	632964.00	163248.00	Arable	628	1472	127	126	127	1	1.74	4.77	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.93	1	-0.60	2	1	2	2	High	Droughtiness	
177	632964.00	163348.00	Arable	627	1471	127	126	127	1	1.83	0.60	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.98	1	-0.54	2	1	2	2	High	Droughtiness	
178	632964.00	163448.00	Arable	626	1471	127	125	127	1	3.18	1.48	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.03	1	-0.48	2	1	2	2	High	Droughtiness	
179	632964.00	163648.00	Arable	625	1470	127	125	126	1	2.52	0.87	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.13	1	-0.36	2	1	2	2	High	Droughtiness	
180	632964.00	163848.00	Arable	624	1469	127	125	126	1	3.02	1.08	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.22	1	-0.25	2	1	2	2	High	Droughtiness	
181	632987.87	159884.58	Arable	654	1482	128	127	133	1	3.74	18.59	5	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-4.13	3a	-27.77	3a	1	5	Non-Agri	High	Gradient	
182	632994.24	163945.11	Arable	624	1469	127	125	126	1	3.80	0.94	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.26	1	-0.20	2	1	2	2	High	Droughtiness	
183	633052.01	163106.06	Arable	629	1472	127	126	127	1	3.16	4.65	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.84	1	-0.70	2	1	2	2	High	Droughtiness	
184	633058.31	163999.26	Arable	623	1468	127	125	126	1	4.26	2.44	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.30	1	-0.16	2	1	2	2	High	Droughtiness	
185	633064.00	163048.00	Arable	629	1472	127	126	127	1	1.61	0.78	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.19	3a	-26.75	3a	1	3a	2	High	Droughtiness	
186	633064.00	163448.00	Arable	626	1471	127	125	127	1	4.68	1.74	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.04	1	-0.47	2	1	2	2	High	Droughtiness	
187	633064.00	163548.00	Arable	626	1470	127	125	127	1	5.94	2.19	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.09	1	-0.40	2	1	2	2	High	Droughtiness	
188	633090.62	163644.39	Arable	625	1470	127	125	126	1	6.17	3.25	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.15	1	-0.34	2	1	2	2	High	Droughtiness	
189	633115.09	163741.35	Arable	624	1469	127	125	126	1	4.38	3.18	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.20	1	-0.28	2	1	2	2	High	Droughtiness	
190	633118.09	163841.31	Arable	624	1469	127	125	126	1	3.99	1.10	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.25	1	-0.22	2	1	2	2	High	Droughtiness	
191	633123.22	163941.18	Arable	623	1468	127	125	126	1	4.95	1.15	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.29	1	-0.16	2	1	2	2	High	Droughtiness	
192	633151.75	163098.75	Arable	629	1472	127	126	127	1	4.91	3.72	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.83	1	-0.71	2	1	2	2	High	Droughtiness	
193	633158.12	164005.49	Arable	623	1468	127	125	126	1	5.81	0.85	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.33	1	-0.12	2	1	2	2	High	Droughtiness	
194	633164.00	163548.00	Arable	626	1470	127	125	127	1	7.07	0.79	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.10	1	-0.39	2	1	2	2	High	Droughtiness	
195	633238.06	163054.66	Arable	629	1472	127	126	127	1	5.73	1.26	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.80	1	-0.75	2	1	2	2	High	Droughtiness	
196	633257.89	164012.20	Arable	623	1467	127	125	126	1	7.39	0.73	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.37	1	-0.07	2	1	2	2	High	Droughtiness	
197	633264.00	163348.00	Arable	627	1470	127	126	127	1	6.46	1.63	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.00	1	-0.52	2	1	2	2	High	Droughtiness	
198	633264.00	163648.00	Arable	625	1469	127	125	126	1	8.48	0.43	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.18	1	-0.30	2	1	2	2	High	Droughtiness	
199	633280.18	163024.72	Arable	629	1472	127	126	127	1	6.05	7.80	3b	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.78	1	-0.77	2	1	3b	5	High	Gradient	
200	633309.03	162926.03	Arable	630	1472	127	126	128	1	3.86	16.01	4	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.71	1	-0.86	2	1	4	5	High	Gradient	
201	633339.60	162829.98	Arable	630	1473	127	126	128	1	5.02	4.15	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.63	1	-0.94	2	1	2	5	High	Droughtiness	
202	633343.19	163185.17	Arable	628	1471	127	126	127	1	3.55	2.40	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.89	1	-0.64	2	1	2	5	High	Droughtiness	
203	633354.85	163284.49	Arable	627	1470	127	126	127	1	4.77	9.14	3b	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.96	1	-0.55	2	1	3b	5	High	Gradient	
204	633364.00	163648.00	Arable	625	1468	127	125	126	1	9.15	1.18	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.20	1	-0.26	2	1	2	2	High	Droughtiness	
205	633364.00	163748.00	Arable	624	1468	127	125	126	1	11.17	17.63	4	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.26	1	-0.19	2	1	4	2	High	Gradient	
206	633376.12	163091.00	Arable	628	1471	127	126	127	1	3.25	0.69	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.83	1	-0.72	2	1	2	5	High	Droughtiness	
207	633390.31	162992.01	Arable	629	1472	127	126	127	1	3.63	1.40	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.75	1	-0.80	2	1	2	5	High	Droughtiness	
208	633422.90	162897.47	Arable	630	1472	127	126	128	1	4.88	0.86	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.68	1	-0.89	2	1	2	5	High	Droughtiness	
209	633425.91	163571.69	Arable	625	1468	127	125	126	1	9.02	2.61	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.17	1	-0.30	2	1	2	2	High	Droughtiness	
210	633427.88	163352.80	Arable	626	1470	127	125	127	1	6.17	1.69	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.02	1	-0.48	2	1	2	5	High	Droughtiness	
211	633439.55	163472.62	Arable	626	1469	127	125	127	1	8.30	1.35	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.10	1	-0.38	2	1	2	2	High	Droughtiness	
212	633464.00	163748.00	Arable	624	1467	127	125	126	1	11.25	1.37	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt																		

Annex A: Predictive Data Set

227	633600.78	162539.52	Arable	632	1474	128	126	128	1	5.29	1.04	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.35	1	-1.27	2	1	2	5	High	Droughtiness
228	633613.52	163400.15	Arable	626	1469	127	125	127	1	3.54	0.83	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.91	3a	-26.39	3a	1	3a	5	High	Droughtiness
229	633631.15	163922.10	Arable	622	1465	127	125	126	1	15.76	0.89	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.49	1	0.09	2	1	2	2	High	Droughtiness
230	633635.36	162764.76	Golf course	630	1473	127	126	128	1	4.40	5.08	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.45	3a	-27.04	3a	1	3a	5	High	Droughtiness
231	633642.12	162576.60	Golf course	632	1474	128	126	128	1	3.55	6.47	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	33.38	1	-1.24	2	1	2	5	High	Droughtiness
232	633664.00	163648.00	Arable	624	1467	127	125	126	1	9.73	3.41	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.30	1	-0.14	2	1	2	2	High	Droughtiness
233	633664.00	163748.00	Arable	623	1466	127	125	126	1	13.34	1.45	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.38	1	-0.05	2	1	2	2	High	Droughtiness
234	633664.00	163848.00	Arable	623	1465	127	125	126	1	15.44	0.86	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.45	1	0.04	2	1	2	5	High	Droughtiness
235	633669.21	163093.11	Golf course	628	1470	127	126	127	1	7.29	6.31	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.16	3a	-26.69	3a	1	Non-Agricultural	5	High	
236	633669.47	162466.84	Arable	633	1475	128	126	129	1	4.41	2.57	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.72	3a	-27.35	3a	1	3a	5	High	Droughtiness
237	633672.44	162671.89	Golf course	631	1473	128	126	128	1	2.20	7.20	3b	1	3	1	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.54	3a	-27.14	3a	1	3b	5	High	Flood Risk Gradient
238	633688.29	16466.56	Arable	625	1468	127	125	127	1	3.02	2.02	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.84	3a	-26.30	3a	1	3a	5	High	Droughtiness
239	633734.32	163169.01	Golf course	627	1470	127	126	127	1	7.82	0.49	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-3.09	3a	-26.60	3a	1	Non-Agricultural	5	High	
240	633756.38	163539.80	Arable	624	1467	127	125	126	1	2.13	1.82	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.75	3a	-26.20	3a	1	3a	5	High	Droughtiness
241	633764.00	163648.00	Arable	624	1466	127	125	126	1	5.14	3.02	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.34	1	-0.09	2	1	2	5	High	Droughtiness
242	633764.00	163748.00	Arable	623	1465	127	125	126	1	10.55	3.44	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.42	1	0.01	2	1	2	5	High	Droughtiness
243	633764.00	163848.00	Arable	623	1465	126	125	126	1	14.05	2.63	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.50	1	0.11	2	1	2	5	High	Droughtiness
244	633764.00	163948.00	Arable	622	1464	126	125	126	1	15.18	1.41	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.58	1	0.20	2	1	2	5	High	Droughtiness
245	633793.00	163327.25	Golf course	626	1468	127	125	127	1	5.84	5.10	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-2.93	3a	-26.42	3a	1	Non-Agricultural	5	High	
246	633796.59	164103.16	Arable	621	1463	126	125	126	1	20.88	9.37	3b	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.71	1	0.37	2	1	3b	1	High	Gradient
247	633807.77	164037.91	Arable	621	1463	126	125	126	1	11.43	3.65	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.67	1	0.32	2	1	2	5	High	Droughtiness
248	633812.02	163230.11	Golf course	627	1469	127	126	127	1	4.73	6.35	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-3.02	3a	-26.52	3a	1	Non-Agricultural	5	High	Golf course
249	633813.15	163424.77	Golf course	625	1468	127	125	127	1	11.03	3.73	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-2.84	3a	-26.30	3a	1	Non-Agricultural	5	High	Golf course
250	633815.62	163524.74	Golf course	624	1467	127	125	126	1	10.85	5.59	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-2.75	3a	-26.19	3a	1	Non-Agricultural	5	High	Golf course
251	633847.99	163912.38	Arable	622	1464	126	125	126	1	11.00	0.89	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.60	1	0.23	2	1	2	5	High	Droughtiness
252	633848.60	163594.68	Golf course	624	1466	127	125	126	1	9.00	14.56	4	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.67	3a	-26.10	3a	1	Non-Agricultural	5	High	Golf course
253	633850.22	164152.40	Arable	621	1462	126	125	126	1	10.25	1.40	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.78	1	0.46	2	1	Non-Agricultural	1	High	Golf course
254	633857.37	164020.31	Arable	621	1463	126	125	126	1	9.80	1.25	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.69	1	0.34	2	1	2	5	High	Droughtiness
255	633864.00	163748.00	Arable	623	1465	127	125	126	1	5.51	3.64	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-2.53	3a	-25.93	3a	1	3a	5	High	Droughtiness
256	633926.06	163657.93	Golf course	623	1465	127	125	126	1	9.42	9.22	3b	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Silty clay	II	<1%	1	1	3a	-2.58	3a	-25.99	3a	1	Non-Agricultural	5	High	
257	633926.23	164212.14	Arable	620	1461	126	124	126	1	8.73	1.83	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.88	1	0.58	2	1	Non-Agricultural	1	High	Golf course
258	633941.66	164136.49	Golf course	621	1462	126	124	126	1	7.32	2.83	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.84	1	0.53	2	1	Non-Agricultural	1	High	Golf course
259	633962.53	163808.97	Golf course	622	1464	126	125	126	1	3.84	0.97	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.57	1	0.20	2	1	Non-Agricultural	5	High	Golf course
260	633964.00	163748.00	Golf course	623	1464	126	125	126	1	2.58	0.94	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-2.48	3a	-25.87	3a	1	Non-Agricultural	5	High	Golf course
261	633984.47	164046.11	Golf course	621	1462	126	125	126	1	5.66	1.82	1-3a	1	1	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.80	1	0.48	2	1	Non-Agricultural	1	High	Golf course
262	634030.60	163957.14	Golf course	621	1462	126	125	126	1	3.07	0.80	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.75	1	0.42	2	1	Non-Agricultural	5	High	Golf course
263	634035.37	163874.02	Golf course	622	1463	126	125	126	1	2.50	3.17	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.68	1	0.33	2	1	Non-Agricultural	5	High	Golf course
264	634064.00	163748.00	Golf course	622	1464	126	125	126	1	2.49	1.55	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	No Data	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.57	1	0.20	2	1	Non-Agricultural	5	High	Golf course
265	634125.03	163668.78	Golf course	623	1464	126	125	126	1	3.36	9.83	3b	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-2.49	3a	-25.87	3a	1	Non-Agricultural	5	High	Golf course
266	634164.00	163748.00	Golf course	622	1463	126	125	126	1	3.19	0.60	1-3a	1	2	1	1	1	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	34.62	1	0.26	2	1	Non-Agricultural	5	High	Golf course
267	634264.00	163648.00	Golf course	623	1464	126	125	126	1	1.41	11.40	4	1	3	1	1	3b	Thanet Formation - Sand, Silt and Clay	Tidal Flat Deposits - Clay and Silt	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-2.45	3a	-25.82	3a	1	Non-Agricultural	5	High	Golf course Flood Risk
268	634364.00	163648.00	Arable	622	1463	126	125	126	1	3.47	4.63	1-3a	1	3	1	1	3b	Thanet Formation - Sand, Silt and Clay	Beach and Tidal Flat Deposits (Undifferentiated) - Sand, Silt and Clay	NEWCHURCH 2	Sitty clay	II	<1%	1	1	3a	-2.41	3a	-25.78	3a	1	Non-Agricultural		High	Gradient
269	634464.00	163648.00	Arable	62																															

Annex A: Predictive Data Set

279	635410.79	164604.04	Arable	618	1454	125	123	125	1	19.07	1.00	1-3a	1	1	1	1	Margate Chalk Member - Chalk	Head, 1 - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	35.67	1	1.58	2	1	2	1	High	Droughtiness
280	635427.76	164506.70	Arable	618	1455	125	124	125	1	17.84	22.82	5	1	1	1	1	Margate Chalk Member - Chalk	Head, 1 - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	35.59	1	1.47	2	1	5	1	High	Gradient
281	635464.00	164848.00	Arable	617	1454	125	123	125	1	23.48	2.17	1-3a	1	1	1	1	Margate Chalk Member - Chalk	Head, 1 - Clay and Silt	COOMBE 1	Silt clay loam - clay loam	I	1-5%	1	1	1	35.74	2	1.67	2	1	2	2	High	Droughtiness
282	635464.00	164948.00	Arable	617	1454	125	123	125	1	26.12	1.23	1-3a	1	1	1	1	Margate Chalk Member - Chalk	Head, 1 - Clay and Silt	COOMBE 1	Silt clay loam - clay loam	I	1-5%	1	1	1	5.77	2	1.70	2	1	2	2	High	Droughtiness
283	635476.04	164679.82	Arable	618	1454	125	123	125	1	19.56	1.29	1-3a	1	1	1	1	Margate Chalk Member - Chalk	Head, 1 - Clay and Silt	HAMBLE 1	Silt clay loam - clay loam	I	0-5%	1	1	1	35.66	1	1.57	2	1	2	2	High	Droughtiness
284	635524.30	164772.04	Arable	618	1454	125	123	125	1	22.38	15.11	4	1	1	1	1	Margate Chalk Member - Chalk	Head, 1 - Clay and Silt	COOMBE 1	Silt clay loam - clay loam	I	1-5%	1	1	1	5.66	2	1.56	2	1	4	2	High	Gradient

Annex B: Cranfield University Auger Bore Logs

AUGERID	EASTING	NORTHING	UPPER_DEPT	LOWER_DEPT	HORIZON_NO	TEXTURE	MATRIX_COL	MOTTLE_ABU	MOTTLE_COL	STONE_ABUN	STONE_SIZE	STONE_TYPE	CARBONATE
A1-TR36/080390-01	630800	163900	0	20		silty clay loam	10YR3/3						slightly calcareous
A1-TR36/080390-01	630800	163900	20	30		silty clay	10YR5/1	many	10YR5/8				slightly calcareous
A1-TR36/080390-01	630800	163900	30	100		silty clay loam	25Y5/2	many	10YR5/6				slightly calcareous
A1-TR36/095395-01	630950	163950	0	25		silty clay loam	10YR3/3						calcareous
A1-TR36/095395-01	630950	163950	25	70		silty clay	10YR5/1	many	75YR5/6				calcareous
A1-TR36/095395-01	630950	163950	70	100		silty clay	25Y5/1	many	10YR5/6				calcareous

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