

VineMAP Report

Customer name: vinescapes
Email: vinescapes
Telephone:

Reference:
Date: 6 June 2019

Products:

1. Topographic suitability & grading
2. Soil suitability information
3. Landcover suitability and designated 'protected' areas
4. **Flood risk and access maps**
5. All terrestrial reports (Reports 1 - 4)
6. Climate (including Frost Risk / Report No.7)
7. Frost risk
8. All terrestrial and climate suitability reports

Area coverage: 43.1 hectares (ha)
Location: Berkshire, England, United Kingdom
National Grid reference: SU 434 716

Report description: This report was generated using Vinescapes' Vineyard suitability Mapping and Assessment Platform (VineMAP), powered by maploom. Maps, data, scoring and results within this report are provided to assist in viticulture suitability assessments. Where serious consideration is being given to establishing a vineyard on land evaluated within this report professional expertise should be sought from Vinescapes to advise on and undertake additional analysis. This includes detailed soil assessments, site and soil amelioration requirements, vineyard design, variety and planting material recommendations, business planning and project management. This report should not be relied on as the sole determinant for viticulture suitability, vineyard establishment or wine production business ventures.

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Site Overview – Berkshire, England, United Kingdom

Variable	Result	Suitability score
Topography	-	-
Elevation	-	-
Aspect	-	-
Slope	-	-
Soil	Undetermined	Undetermined
Suitable landcover	-	
Area with no protected status	-	
Excellent potential vineyard area	-	
Good potential vineyard area	-	
Low potential vineyard area	-	
	10-year averages	Suitability score
Growing season* average temperature (GST)	-	-
Growing Degree Days (GDD)	-	-
15th March - 31st May frost days	-	-
Average frost temperatures	-	-
Growing season rainfall	-	-
June rainfall	-	-
Combined climatic suitability	-	-

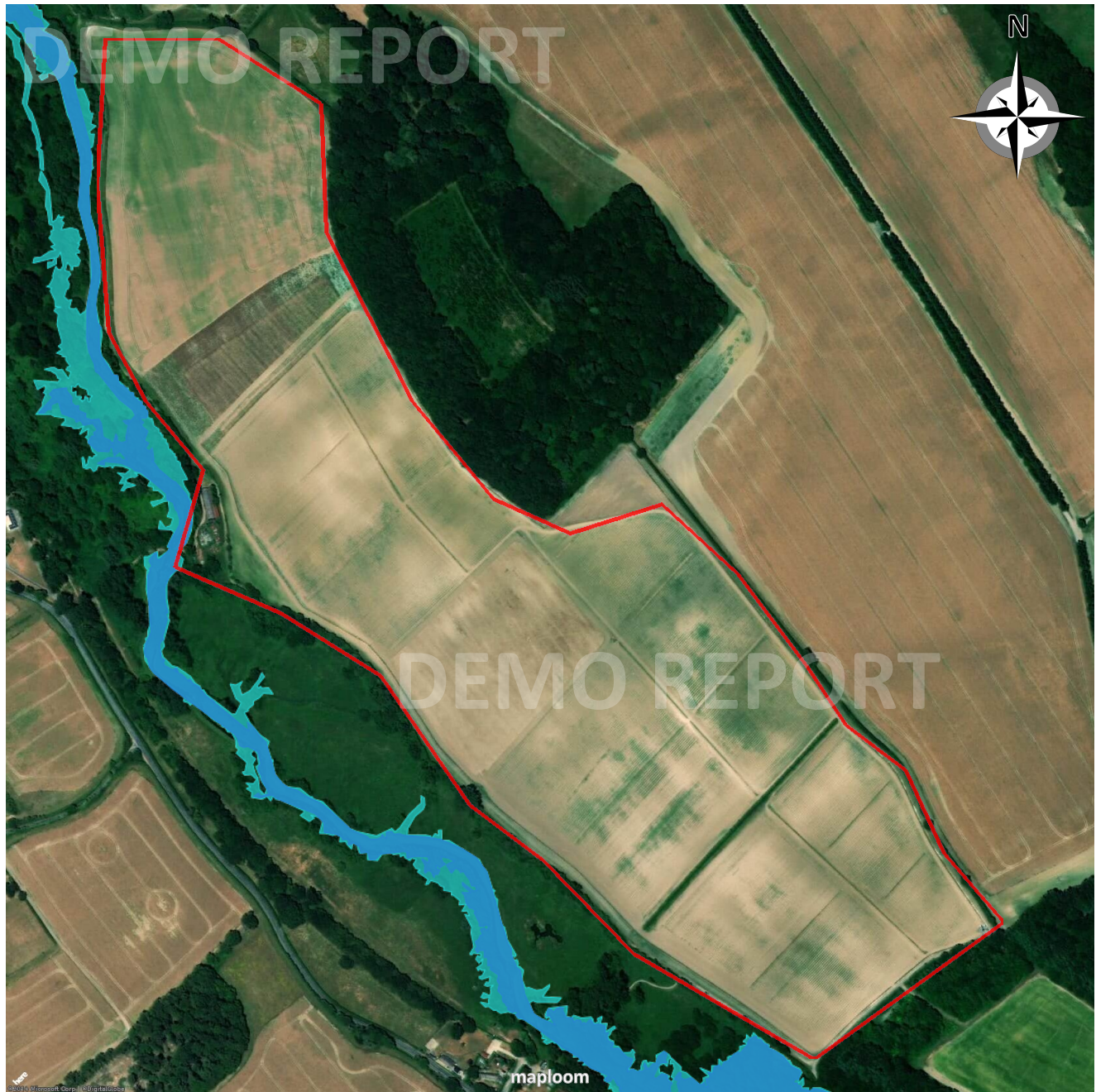
* The growing season in England is roughly April to October

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Flood risk

Resolution:
Data source: Environment Agency



0 m 500 m



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Flood Zone 3 is Environment Agency’s best estimate of the areas of land at risk of flooding, when the presence of flood defences are ignored and covers land with a 1 in 100 (1%) or greater chance of flooding each year from Rivers; or with a 1 in 200 (0.5%) or greater chance of flooding each year from the Sea. Land within flood zone 3 includes land identified by Local planning authorities in their Strategic Flood Risk Assessments as areas of functional floodplain and its boundaries accordingly, in agreement with the Environment Agency.

Flood zones legend

-  flood zone 3
-  flood zone 2

Flood Zone 2. Land and property in flood zone 2 have a medium probability of flooding. This includes land with 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. Land falling within this zone requires a flood risk assessment as part of the planning process.

Flood Zone 1 defines areas which have a greater than 1 in 1,000 year flood risk. They are not shown on the map as effectively they are "everything else". A flood risk assessment may be required for developments in flood zone 1 and more than > 1 hectare; in an area with critical drainage problems as notified by the Environment Agency.

For further information visit: <https://flood-map-for-planning.service.gov.uk/>

Terms and Conditions

This report was produced under Vinescapes VineMAP Terms and Conditions as accepted online by the customer prior to purchase. For further information regarding Terms and Conditions please contact info@vinescapes.com.

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Mapping

Overview

Mapping for this report was generated using the maploom platform. This is a cloud based geospatial analysis and modelling platform that uses open standards and open source analysis tools to deliver a wide range of location-based insights to non-specialist users. Further details can be found at www.maploom.com.

Mapping Datasets

The geospatial datasets used within the report are predominantly drawn from open source datasets. For each map, the data sources and relevant citations are provided.

Further details are summarised below:

Dataset	Map In report	Source	Credit / Disclaimer
Aerial Photography	Extensive use throughout the report	HERE	© HERE, 2019
LiDAR	Extensive use throughout the report	Environment Agency	© Environment Agency copyright and/or database right 2019. All rights reserved.
SSSI - Sites of Special Scientific Interest LNR - Local Nature Reserves NNR – National Nature Reserves SAC – Special Areas of Conservation SPA – Special Protection Areas	Environmental designations	Natural England	© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2019.
Registered Battlefields Registered Parks and Gardens Listed Buildings Scheduled Monuments Building Preservation Notices Certificates of Immunity	Historical Designations	Historic England	© Historic England 2019. Contains Ordnance Survey data © Crown copyright and database right 2019.
World Heritage Sites	Historical Designations	UNESCO	© Historic England 2019 / UNESCO. Contains Ordnance Survey data © Crown copyright and database right 2019.
OpenMap Local	Site Overview: Access	Ordnance Survey	Contains OS data © Crown copyright and database right 2019.
Flood zones 2 and 3	Flood Risk	Environment Agency	© Environment Agency copyright and/or database right 2019. All rights reserved.
CEH Land Cover Map 2015	Land Cover	Centre for Ecology and Hydrology	Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O’Neil, A.W.; Wood, C.M. (2017) Land Cover Map 2015 (25m raster, GB). NERC Environmental Information Data Centre. https://doi.org/10.5285/bb15e200-9349-403c-bda9-b430093807c7