

VineMAP Report

Customer name: vinescapes
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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.

DEMO
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Site Overview – Berkshire, England, United Kingdom

Variable	Result	Suitability score
Topography	-	-
Elevation	-	-
Aspect	-	-
Slope	-	-
Soil	Undetermined	Undetermined
Suitable landcover	42.7 ha	
Area with no protected status	43.0 ha	
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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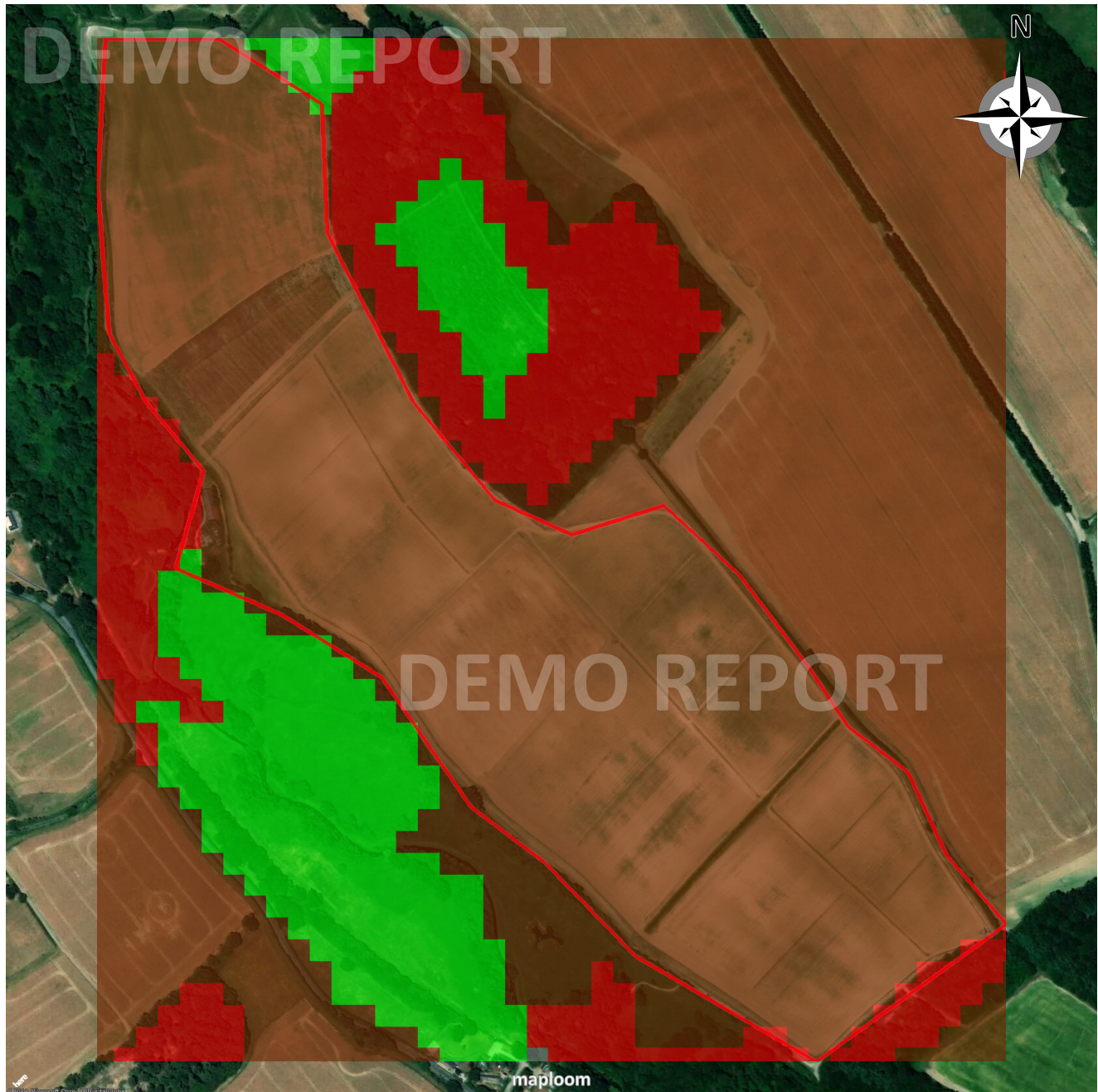
Land Cover

Resolution: 25m

Data source: Centre for Ecology and Hydrology






















0 m

500 m



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>. © HERE, 2019

Landcover legend

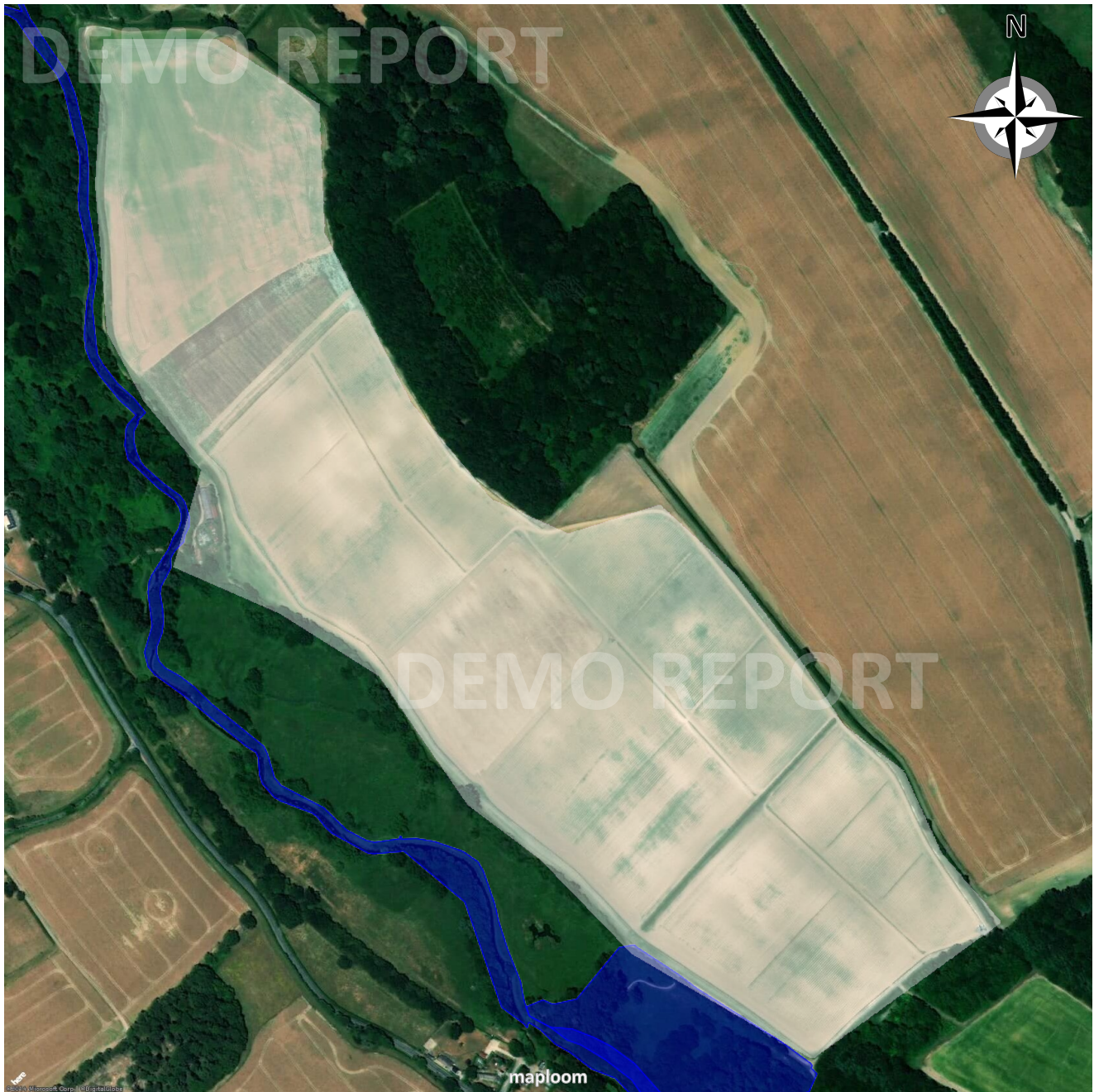
	Broadleaved woodland		Fen, Marsh and Swamp		Supra-littoral Rock
	Coniferous Woodland		Heather		Supra-littoral Sediment
	Arable and Horticulture *		Heather grassland		Littoral Rock
	Improved Grassland *		Bog		Littoral sediment
	Neutral Grassland *		Inland Rock		Saltmarsh
	Calcareous Grassland *		Saltwater		UrbanSuburban
	Acid grassland		Freshwater		Suburban

* Potentially suitable areas for viticulture are limited to those classified as arable, horticulture or grassland because they are deemed most likely to exhibit viticulture suitability parameters. Please note that the Land Cover data/classifications are from 2015 and may change with time and land use variations

Environmental designations

Data source: Natural England

0 m 500 m



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Designated sites	within	near-by
Special Areas of Conservation	present	present
Sites of Special Scientific Interest	present	present
Special Protection Areas	-	-
Local Nature Reserves	-	-
National Nature Reserves	-	-

Where present, Environmental designations at the site are shown in the map above. This is based on Natural England open data maps for Special Areas of Conservation, Sites of Special Scientific Interest, Special Protection Areas, Local Nature Reserves, National Nature Reserves. Searches against these designations are shown in the table and provides both designations within the selected area and those nearby (within the wider map area).

All land considered for viticulture and/or wine production related activities, whether or not areas are shown in this report as containing designated sites within or near the selected land, may have restrictions regarding viticulture and/or wine production related activities. Always seek advice regarding any restrictions or implications from the relevant authorities before deciding if the land is suitable for your desired purpose.

Historical / Heritage designations

Data source: Historic England

0 m 500 m



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Designated sites	within	near by
Listed Buildings	-	2
World Heritage Sites	-	-
Parks and Garden	-	-
Battlefields	-	-
Scheduled Monuments	-	-
Building Preservation Notices	-	-
Certificates of Immunity	-	-

Where present, historical designations at the site are shown in the map above. This is based on Historic England open data maps for Listed Buildings, World Heritage Sites, Parks and Garden, Battlefields, Scheduled Monuments, Building Preservation Notices, Certificates of Immunity. Searches against these designations are shown in the table and provides both designations within the selected area and those nearby (within the wider map area).

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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