



# Western Heights Combined Heritage and Landscape Appraisal

Volume 2



Figures

Dover District Council

## Western Heights

# Combined Heritage and Landscape Appraisal

### Document verification

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Project: Western Heights Combined Heritage & Landscape Appraisal  
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Document title: Western Heights Combined Heritage & Landscape Appraisal  
Status: Final Report  
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### Document Checking:

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                  Consultant  
Checked by: Mary O'Connor, FLI                              Date: 17 March 2017

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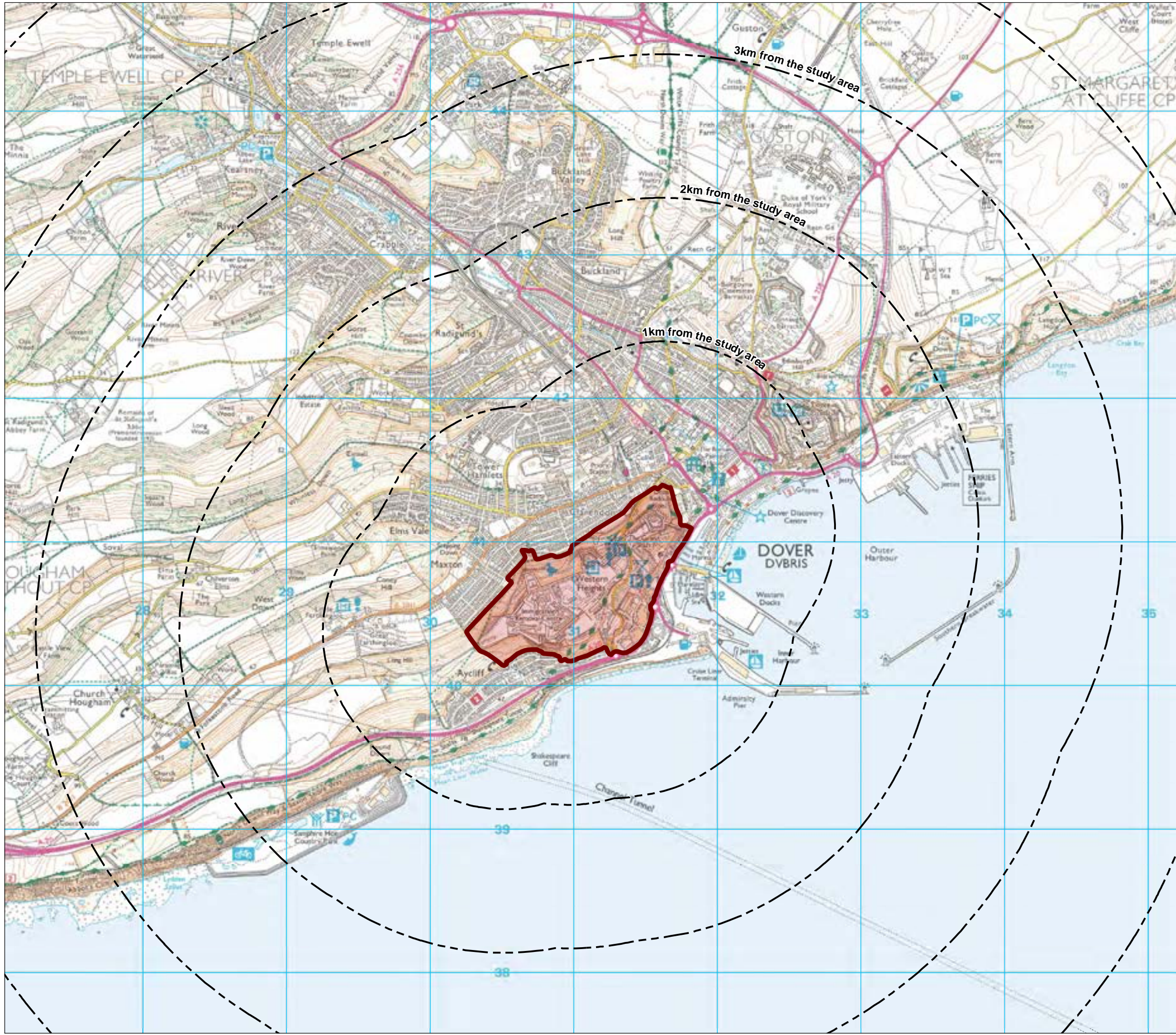
# Western Heights Combined Heritage and Landscape Appraisal

## Volume 2 - Contents



HL01	Site Location		
HL02	Site Features		
HL03	Designations : Heritage		
HL04	Designations : Scheduled Monuments		
HL05-1	Designations : Listed Buildings	HL24-1	Zone of Theoretical Visibility: Bare Earth Analysis – Overall Study Area
HL05-2	Designations : Listed Buildings	HL24-2	Zone of Theoretical Visibility: Bare Earth Analysis – Citadel
HL06	Designations : Conservation Areas	HL24-3	Zone of Theoretical Visibility: Bare Earth Analysis – Drop Redoubt
HL07	Designations : Protected Military Remains	HL24-4	Zone of Theoretical Visibility: Bare Earth Analysis – North Lines
HL08	Designations : Heritage Coasts	HL24-5	Zone of Theoretical Visibility: Bare Earth Analysis – Fortress Interior
		HL24-6	Zone of Theoretical Visibility: Bare Earth Analysis – Snargate Street
HL09-1	Kent HER Data : Archaeological Monument	HL24-7	Zone of Theoretical Visibility: Bare Earth Analysis – Dover Castle
HL09-2	Kent HER Data : Archaeological Monument	HL24-8	Zone of Theoretical Visibility: Bare Earth Analysis – Fort Burgoyne
HL10-1	Kent HER Data : Archaeological Events		
HL10-2	Kent HER Data : Archaeological Events	HL25-1	Zone of Theoretical Visibility: Screening Features Analysis – Overall Study Area
HL11	Kent HER Data : Historic Landscape Character	HL25-2	Zone of Theoretical Visibility: Screening Features Analysis – Citadel
		HL25-3	Zone of Theoretical Visibility: Screening Features Analysis – Drop Redoubt
HL12	Designations : Landscape Character	HL25-4	Zone of Theoretical Visibility: Screening Features Analysis – North Lines
HL13	Designations : Landscape	HL25-5	Zone of Theoretical Visibility: Screening Features Analysis – Fortress Interior
HL14	Designations : Habitat and Species	HL25-6	Zone of Theoretical Visibility: Screening Features Analysis – Snargate Street
HL15-1	Designations : Public Access	HL25-7	Zone of Theoretical Visibility: Screening Features Analysis – Dover Castle
HL15-2	Designations : Public Access	HL25-8	Zone of Theoretical Visibility: Screening Features Analysis – Fort Burgoyne
HL16	Visual Appraisal : Topography	HL26	Zone of Theoretical Visibility: Vegetation Removal Plan
HL17	Visual Appraisal : Site Context	HL27-1	Zone of Theoretical Visibility: Vegetation Removal Analysis – Overall Study Area
HL18	Visual Appraisal : The Site	HL27-2	Zone of Theoretical Visibility: Vegetation Removal Analysis – Citadel
		HL27-3	Zone of Theoretical Visibility: Vegetation Removal Analysis – Drop Redoubt
HL19	Heritage Photographs	HL27-4	Zone of Theoretical Visibility: Vegetation Removal Analysis – North Lines
HL20	Landscape Photographs	HL27-5	Zone of Theoretical Visibility: Vegetation Removal Analysis – Fortress Interior
HL21	National Tree Map Data	HL28-1	Cumulative Zone of Theoretical Visibility: Bare Earth Analysis - Visibility between Western Heights, Dover Castle and Fort Burgoyne
HL22-1	Vegetation Map : Existing		
HL22-2	Vegetation Map : Proposed	HL28-2	Cumulative Zone of Theoretical Visibility: Screening Features Analysis - Visibility between Western Heights, Dover Castle and Fort Burgoyne
HL23	Character Areas		

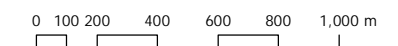
Western Heights  
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Site Location HL.01



**Key**

-  Study area
-  1km buffers from study area



Scale @ A3 - 1:25,000



A099905 HL01 Site Location.mxd March 2017

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Site Features HL.02

**Key**

- The study area
- Contours @ 10m intervals AOD

0 25 50 100 150 200 250 m

Scale @ A3 - 1:5,000

North

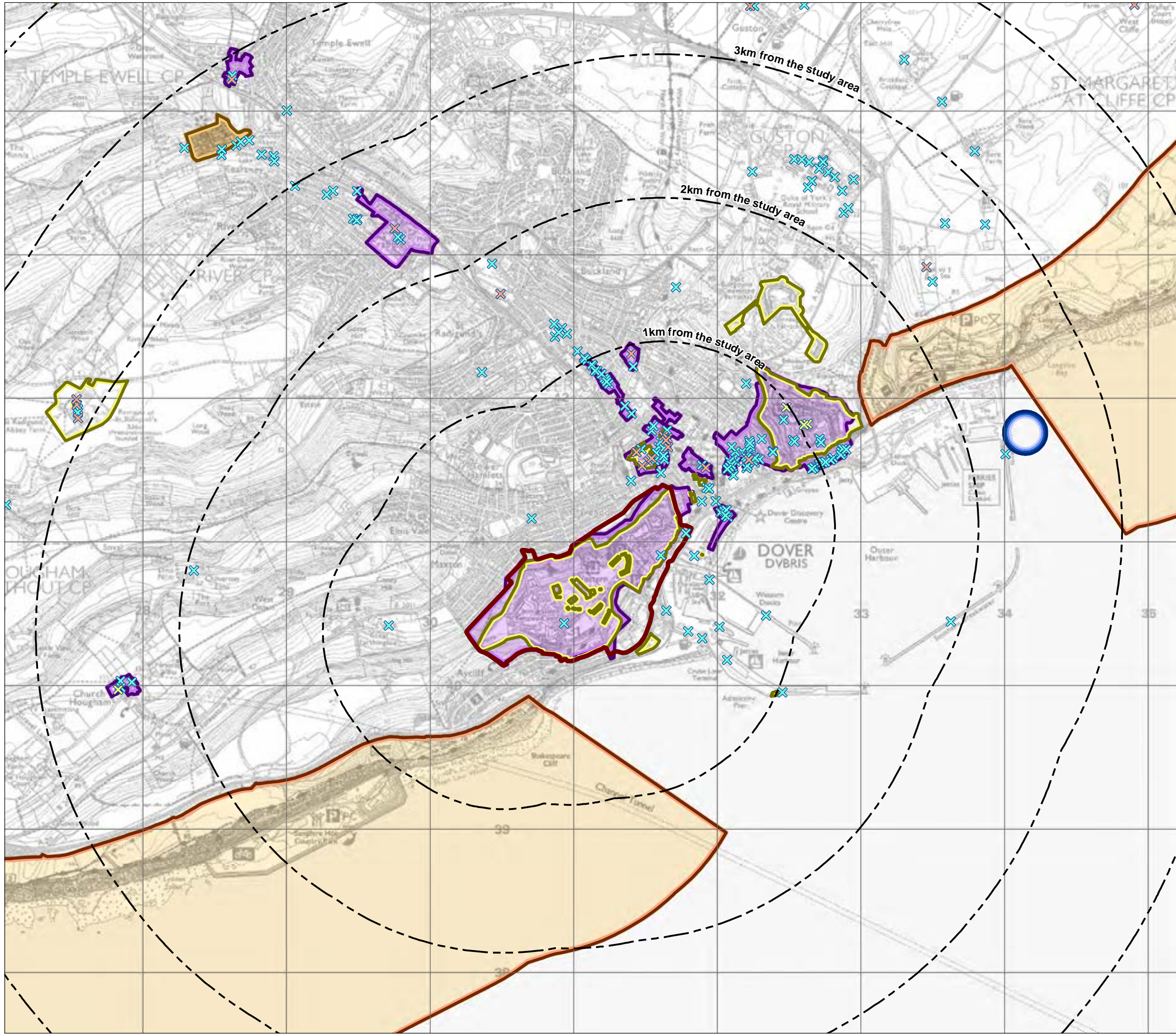
A099905 HL02 Site Features.mxd March 2017

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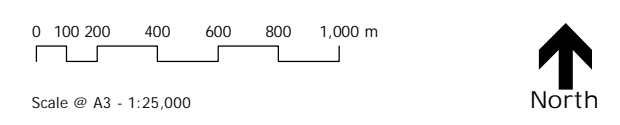
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Designations : HL.03  
Heritage

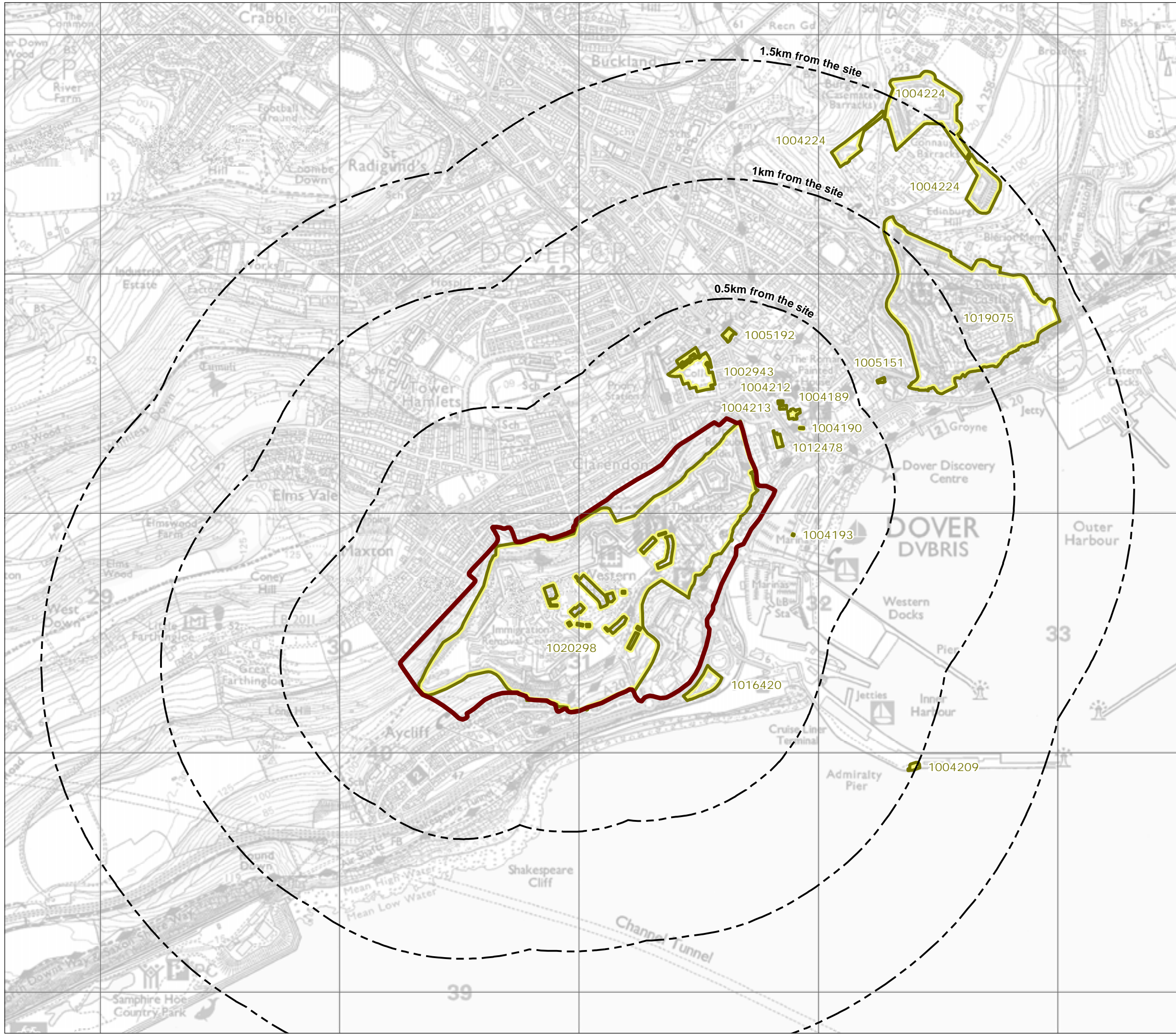


- Key**
- Study area
  - 1km buffers from study area
  - Heritage Designations :**
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings**
  - Grade I
  - Grade II\*
  - Grade II





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Designations : **HL.04**  
Scheduled Monuments

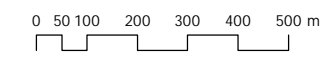


**Key**

-  Study area
-  500m buffers from site boundary

Heritage Designations :

-  Scheduled Monuments



Scale @ A3 - 1:15,000

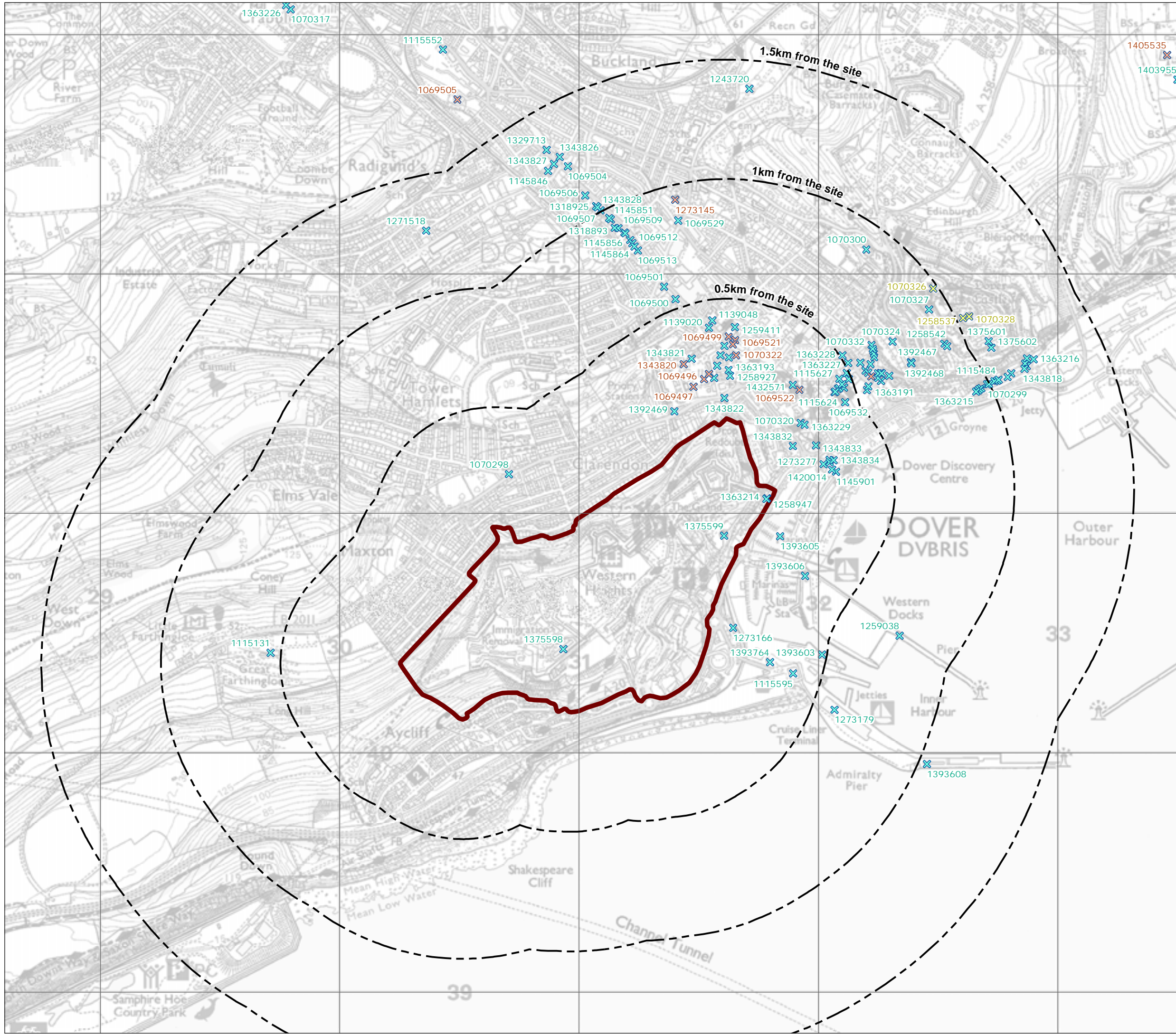


A099905 HL04 Designations -  
Scheduled Monuments.mxd March 2017

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Designations : HL.05-1  
Listed Buildings



**Key**

- Study area
- 500m buffers from site boundary

Heritage Designations :

- Listed Buildings
- Grade I
- Grade II\*
- Grade II

0 50 100 200 300 400 500 m

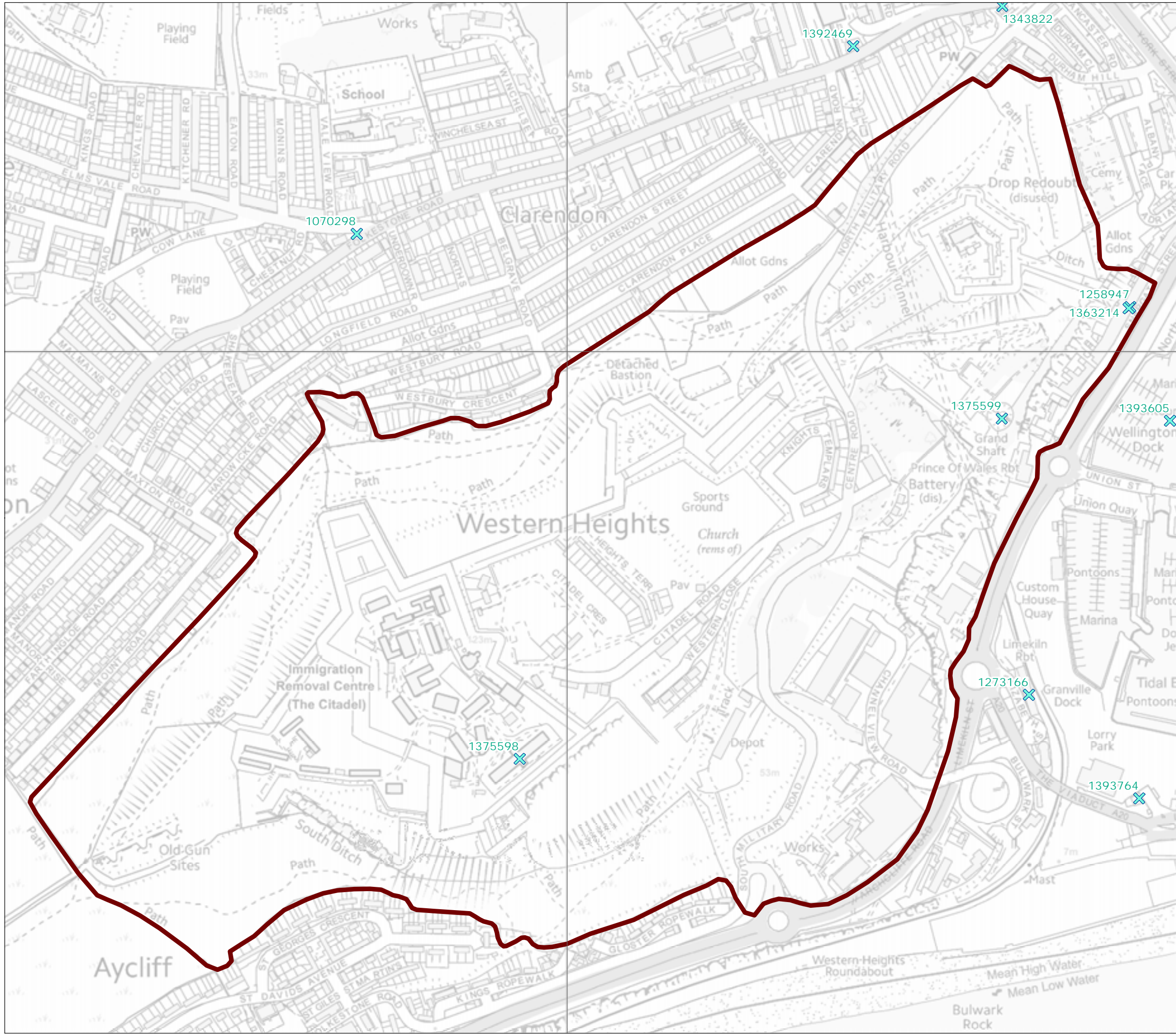
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North

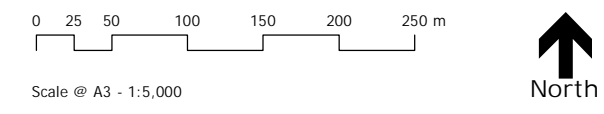


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Designations : HL.05-2  
Listed Buildings

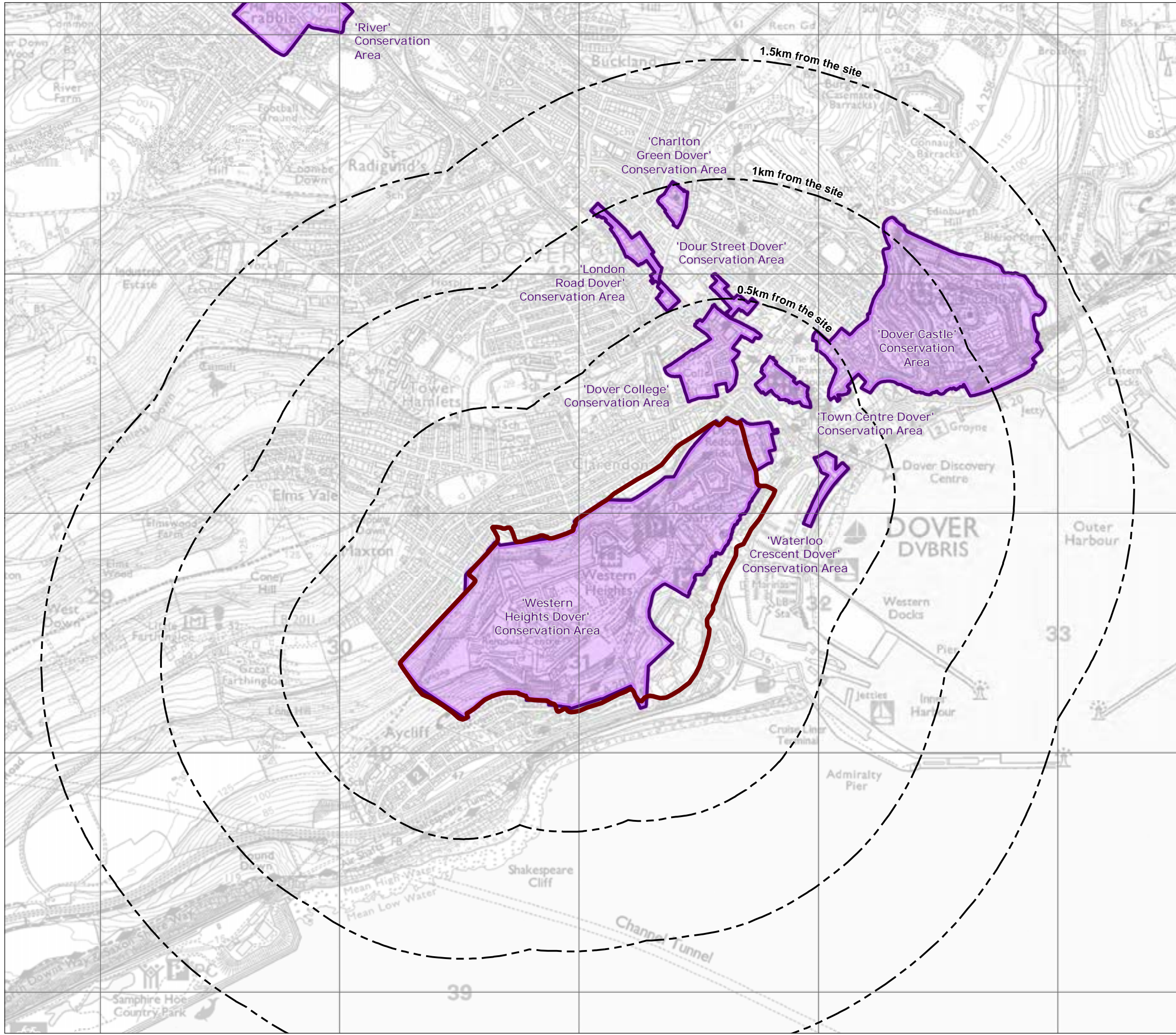


- Key**
- Study area
  - Heritage Designations :
  - Listed Buildings
  - Grade II



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Designations : **HL.06**  
Conservation Areas

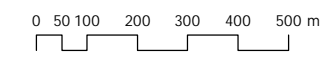


**Key**

- Study area
- 500m buffers from site boundary

Heritage Designations :

- Conservation Areas



Scale @ A3 - 1:15,000



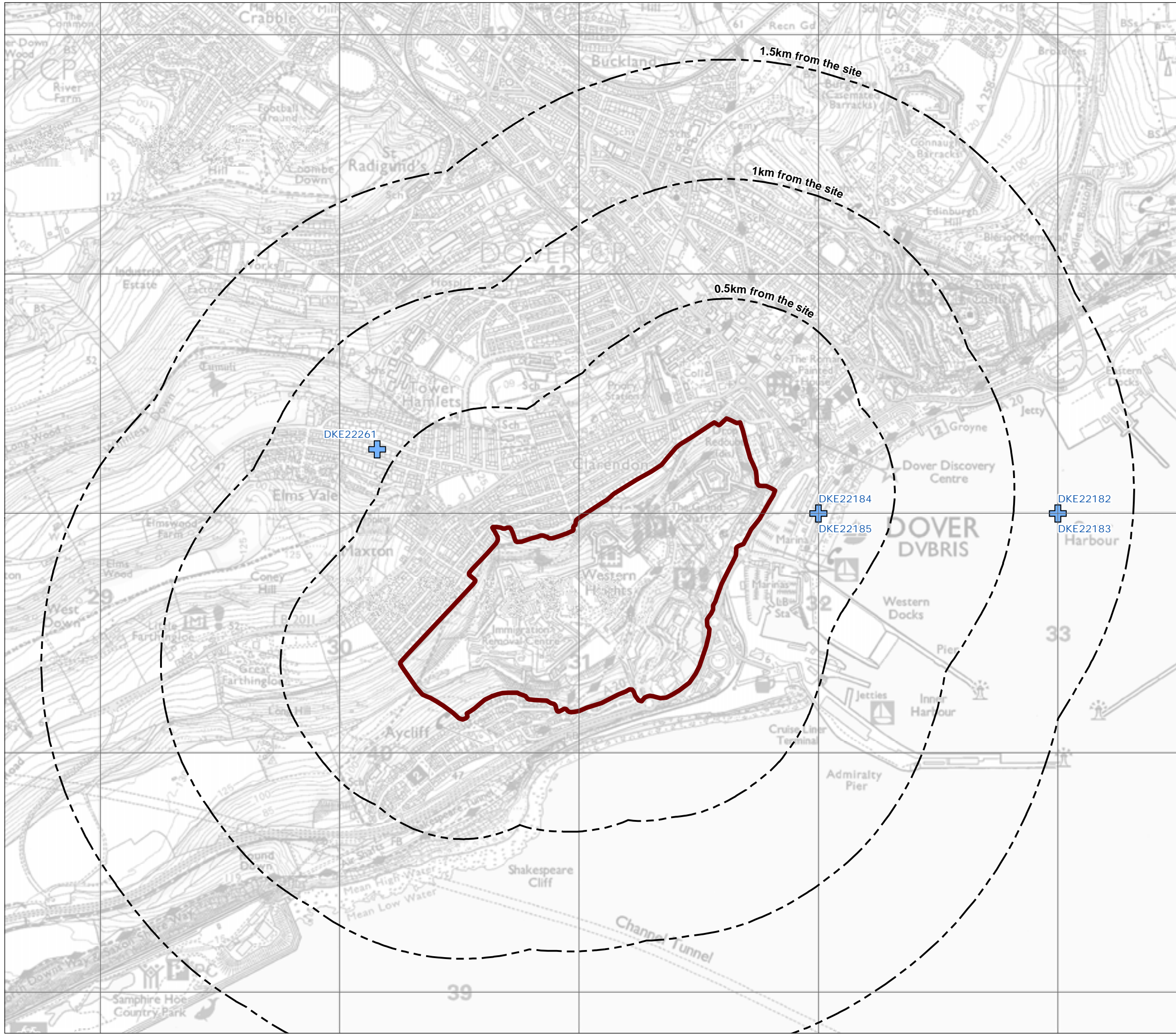
A099905 HL06 Designations - Conservation Areas.mxd March 2017

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Designations : **HL.07**  
Protected Military Remains

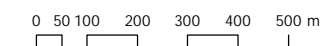


**Key**

- Study area
- 500m buffers from site boundary

Heritage Designations :

- Protected Military Remains



Scale @ A3 - 1:15,000

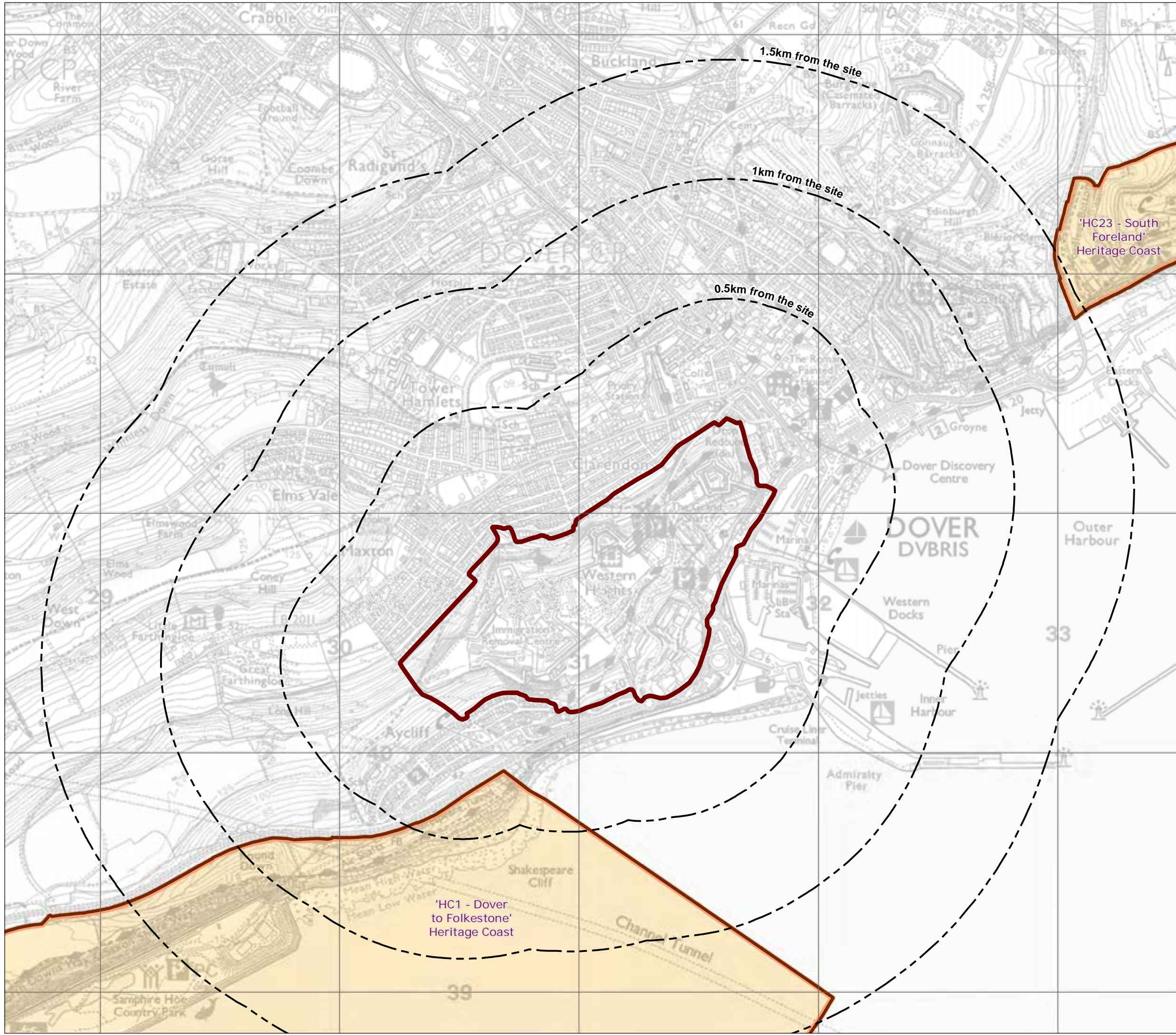


A099905 HL07 Designations - Protected Military Remains.mxd March 2017

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Designations : HL.08  
Heritage Coasts

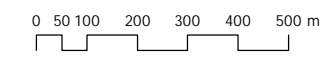


**Key**

-  Study area
-  500m buffers from site boundary

Heritage Designations :

-  Heritage Coasts



Scale @ A3 - 1:15,000

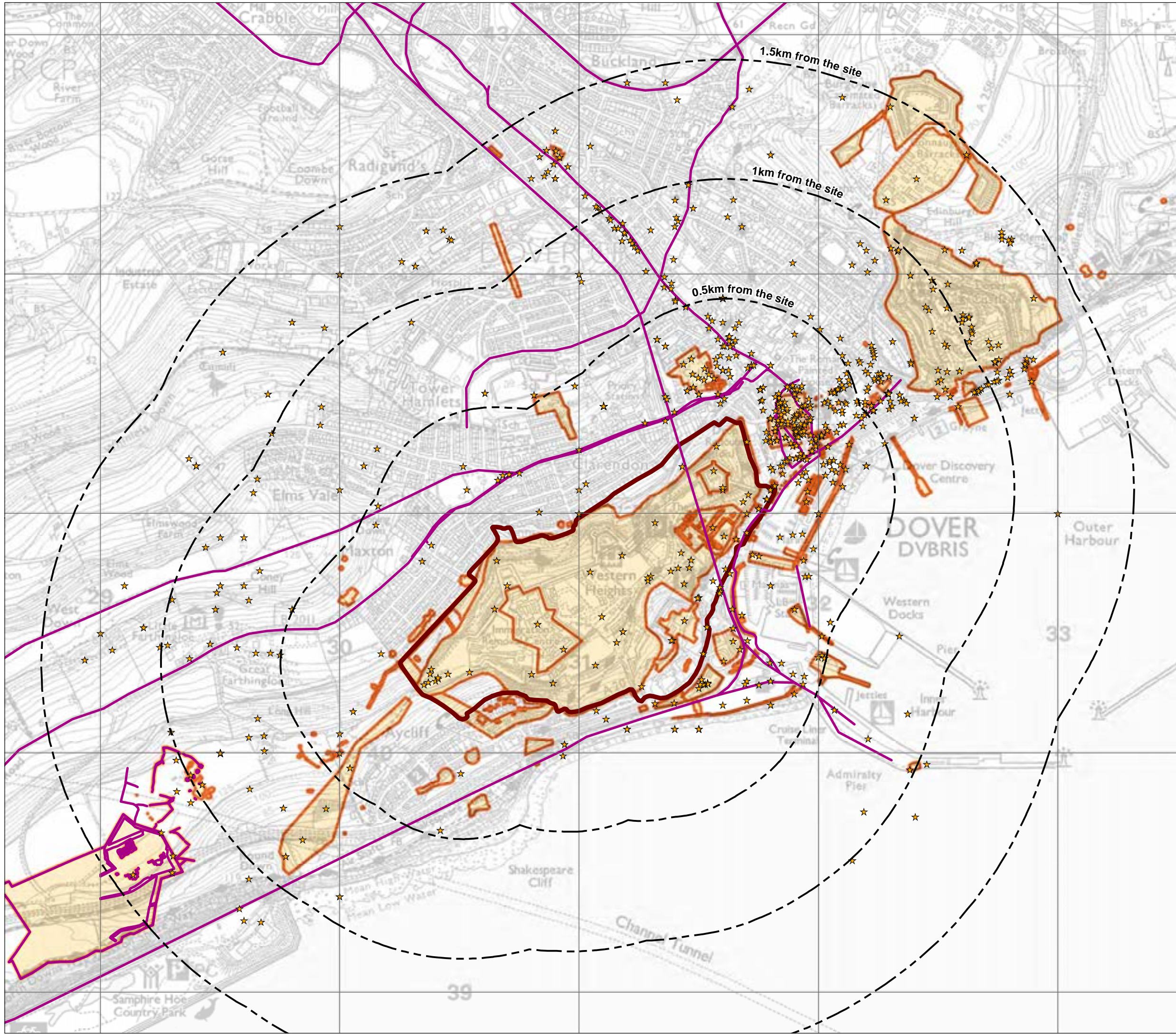


A099905 HL08 Designations -  
Heritage Coasts.mxd March 2017



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Kent HL.09-1  
HER Data :  
Archaeological Monument



**Key**

-  Study area
-  500m buffers from site boundary

Archaeological Monument Records :

-  Monuments [Location]
-  Monuments [Length]
-  Monuments [Area]



Scale @ A3 - 1:15,000

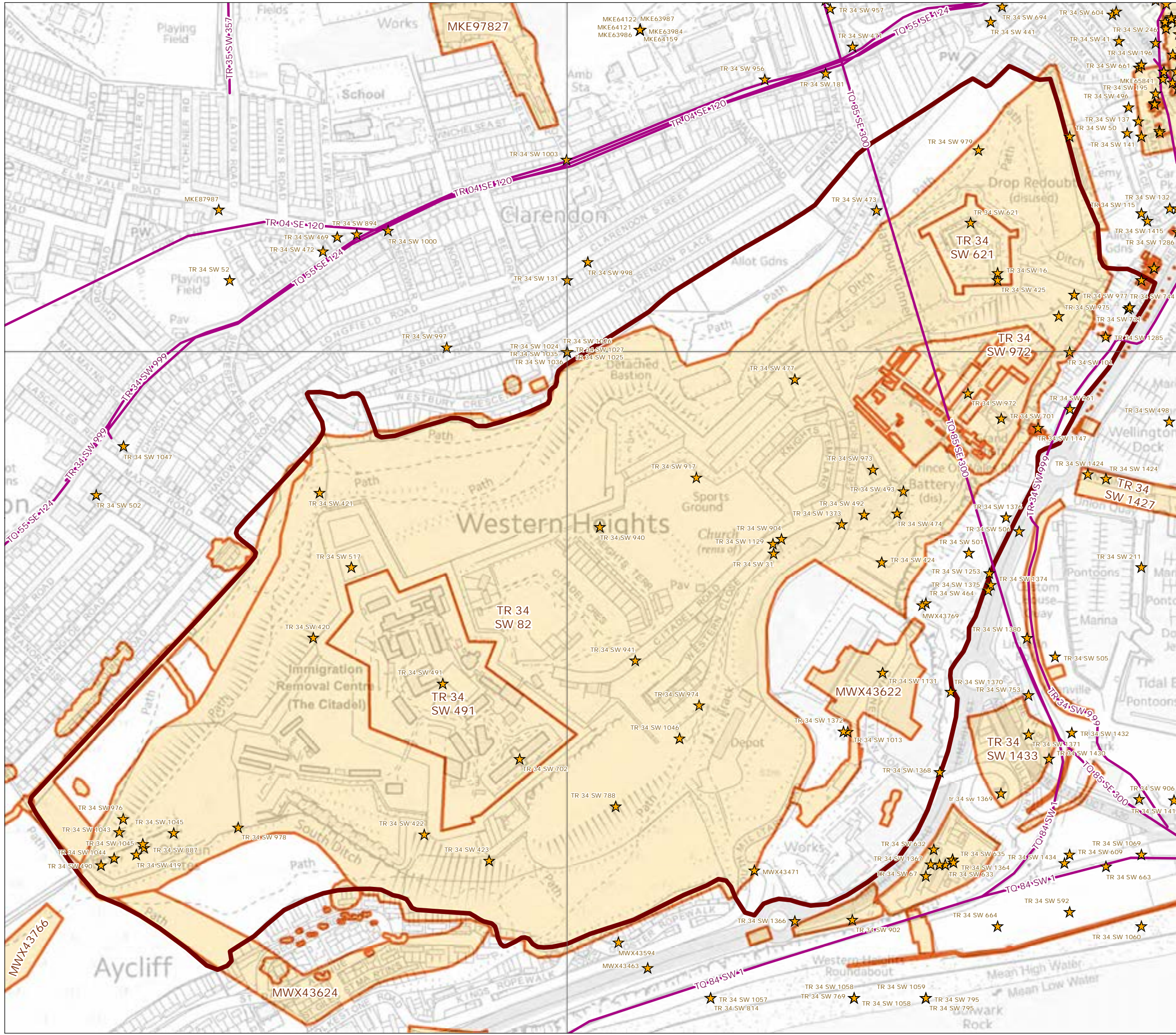


A099905 HL09-1 Kent HER Data -  
Archaeological Monument Records.mxd March 2017

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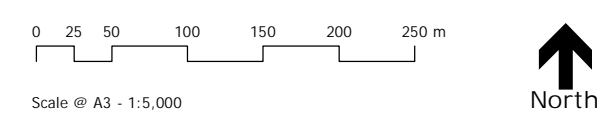
# Western Heights Combined Heritage and Landscape Appraisal

Kent HER Data : **HL.09-2**  
Archaeological Monument



**Key**

- Study area
- Archaeological Monument Records :**
- Monuments [Location]
- Monuments [Length]
- Monuments [Area]



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Kent HL.10-1  
HER Data :  
Archaeological Events



**Key**

- Study area
- 500m buffers from site boundary
- Archaeological Events :**
- Events [Location]
- Events [Length]
- Events [Area]

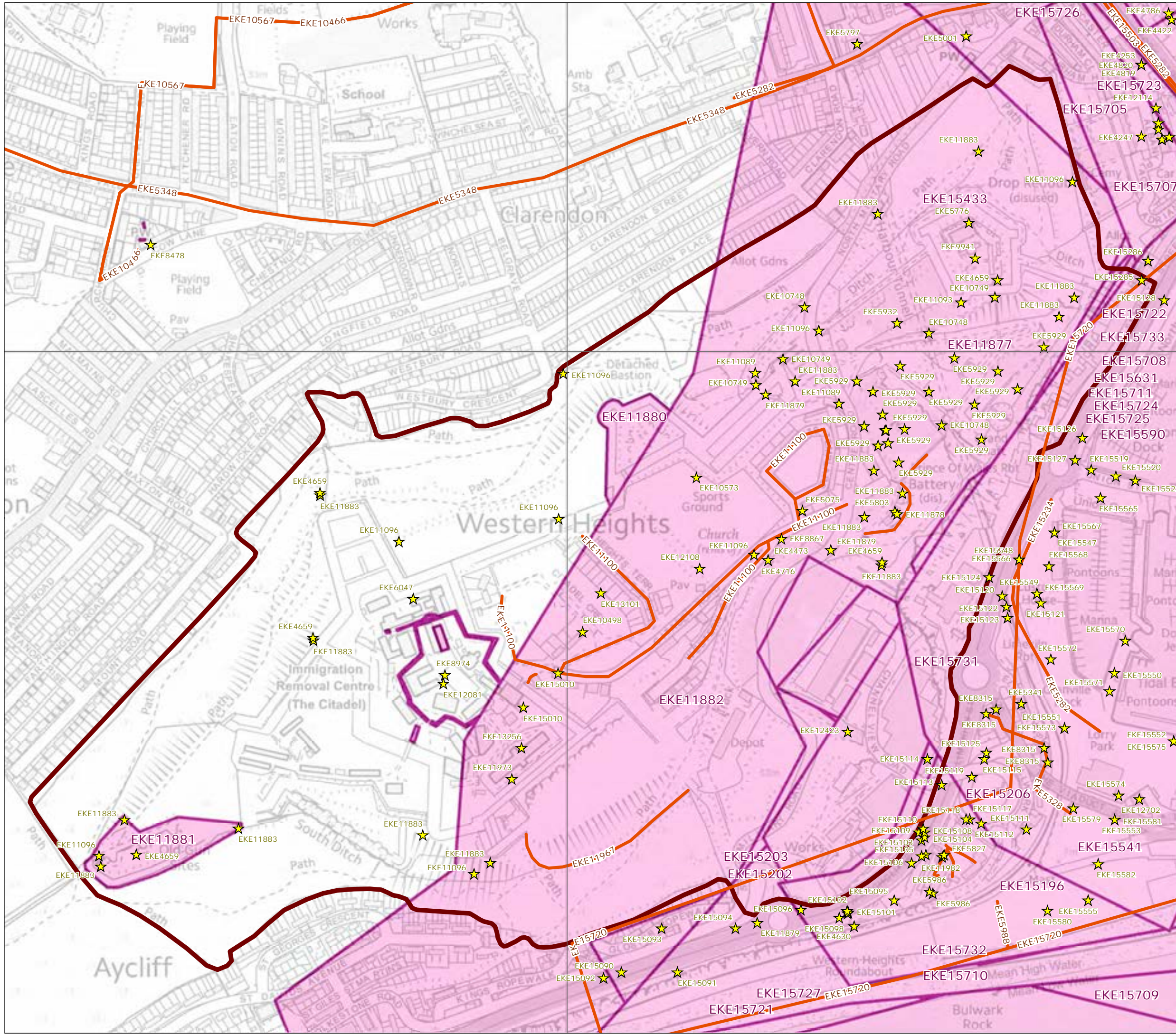


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A099905 HL10-1 Kent HER Data -  
Archaeological Events.mxd March 2017




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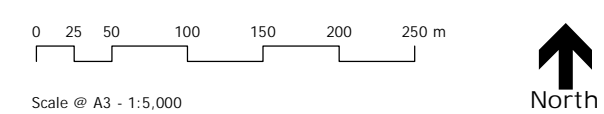


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Kent  
HER Data :  
Archaeological Events

HL.10-2

- Key**
-  Study area
  - Archaeological Events :**
  -  Events [Location]
  -  Events [Length]
  -  Events [Area]

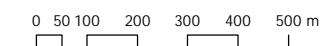
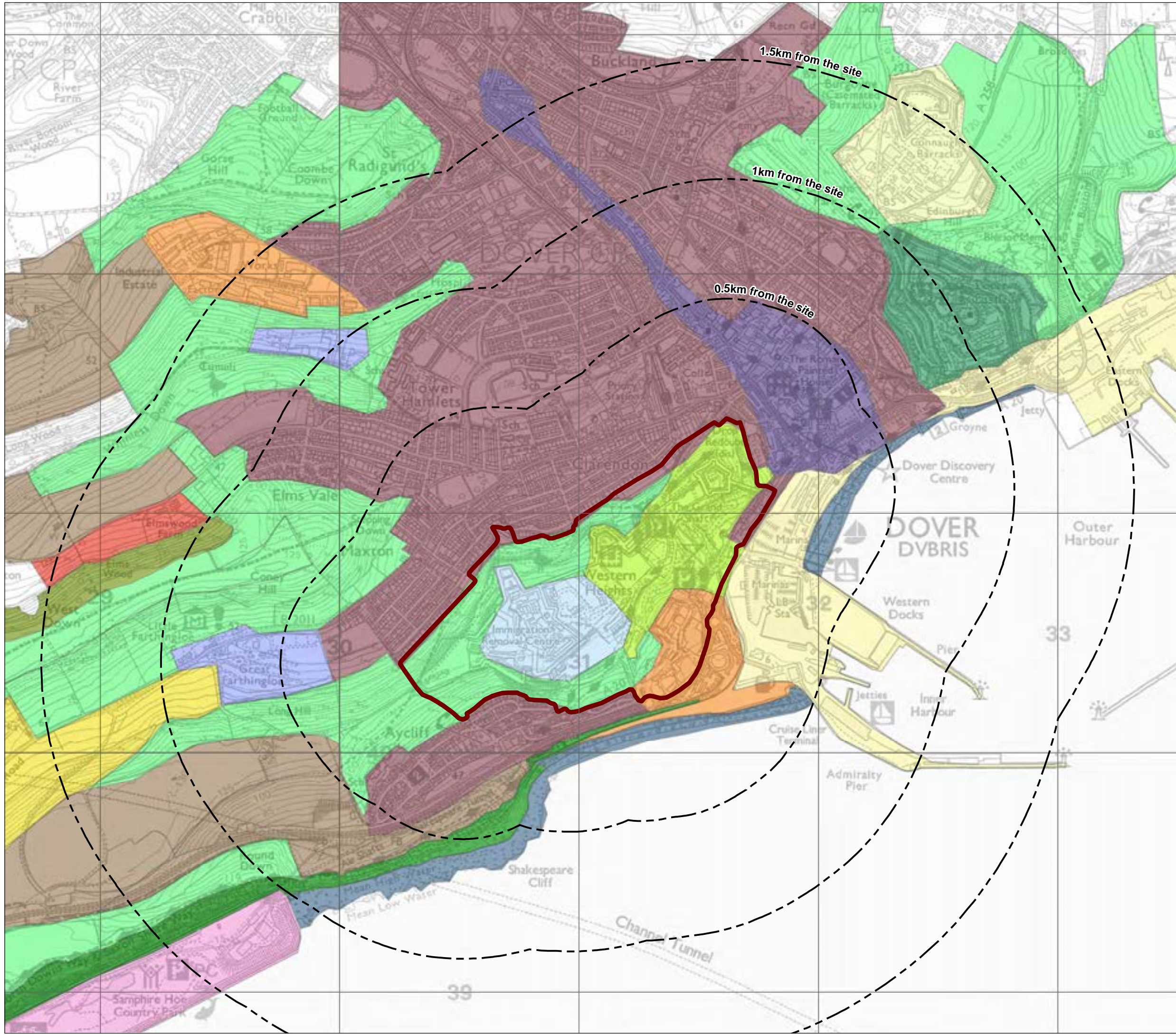




# Western Heights Combined Heritage and Landscape Appraisal

Kent HL.11  
HER Data :  
Historic Landscape Character

- Key**
- Study area
  - 500m buffers from site boundary
- Historic Landscape Character :**
- 1.6 - Rectilinear with wavy boundaries (late medieval to 17th / 18th century enclosure)
  - 1.8 - "Regular" "ladder" (long wavy boundaries subdivided by straight cross divisions)"
  - 1.9 - Small regular with straight boundaries (parliamentary type enclosure)
  - 12.3 - Industrial complexes and factories
  - 12.6 - Dockyards
  - 14.2 - "Medieval (motte and baileys, ring works)"
  - 14.3 - Post medieval (1500-1830)
  - 14.4 - 19th century (1830-1914)
  - 2.5 - Common Marsh
  - 4.6 - Pre-1810 scarp & steep valley-side woodland
  - 6.1 - Downland
  - 8.4 - Reclaimed land
  - 8.6 - Shingle
  - 9.12 - Prisons
  - 9.2 - Scattered settlement with paddocks (post 1800 extent)
  - 9.6 - Post 1810 settlement (general)
  - 9.9 - Town & city 1810 extent



Scale @ A3 - 1:15,000

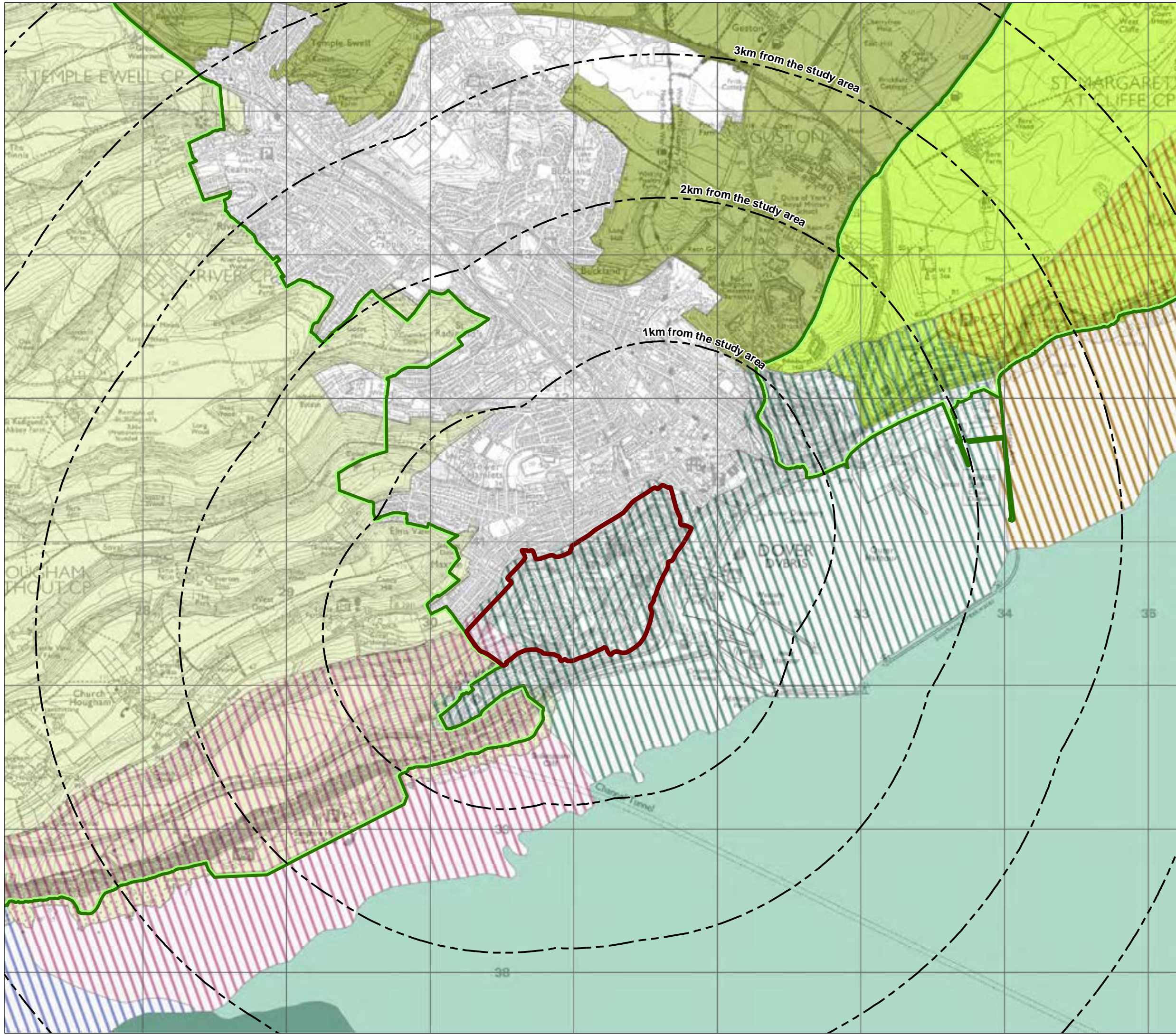


A099905 HL11 Kent HER Data - Historic Landscape Character.mxd March 2017

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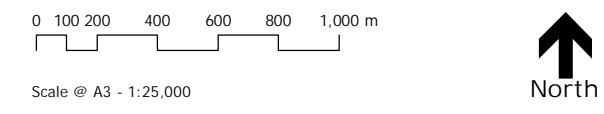
# Western Heights Combined Heritage and Landscape Appraisal

Designations : **HL.12**  
Landscape Character



- Key**
- Study area
  - 1km buffers from study area
  - 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'NCA119 North Downs' National Character Area [Character area exists in map coverage extents]

- Kent Landscape Character :**
- Kent Downs**
    - Alkham: East Kent Downs
    - South Foreland
  - North East Kent**
    - East Kent Arable Belt
- Seascape Character Assessment for the Dover Strait :**
- C1 - Chalk Cliffs and Reefs/Coastal Waters**
    - C1C - White Cliffs of Dover
    - C1D - Shakespeare and Abbot's Cliffs
  - C2 - Greensand Cliffs and Reefs/Coastal Waters**
    - C2A - East Wear Bay and The Warren
  - C3 - Ports, Harbours and Seafront Development**
    - C3A - Dover Port, Harbour and Historic Defences
  - I2 - Active Inshore Waters**
    - I2B - Inshore Dover Strait. The Downs and Trinity Bay
    - I2C - Folkestone Pomerania



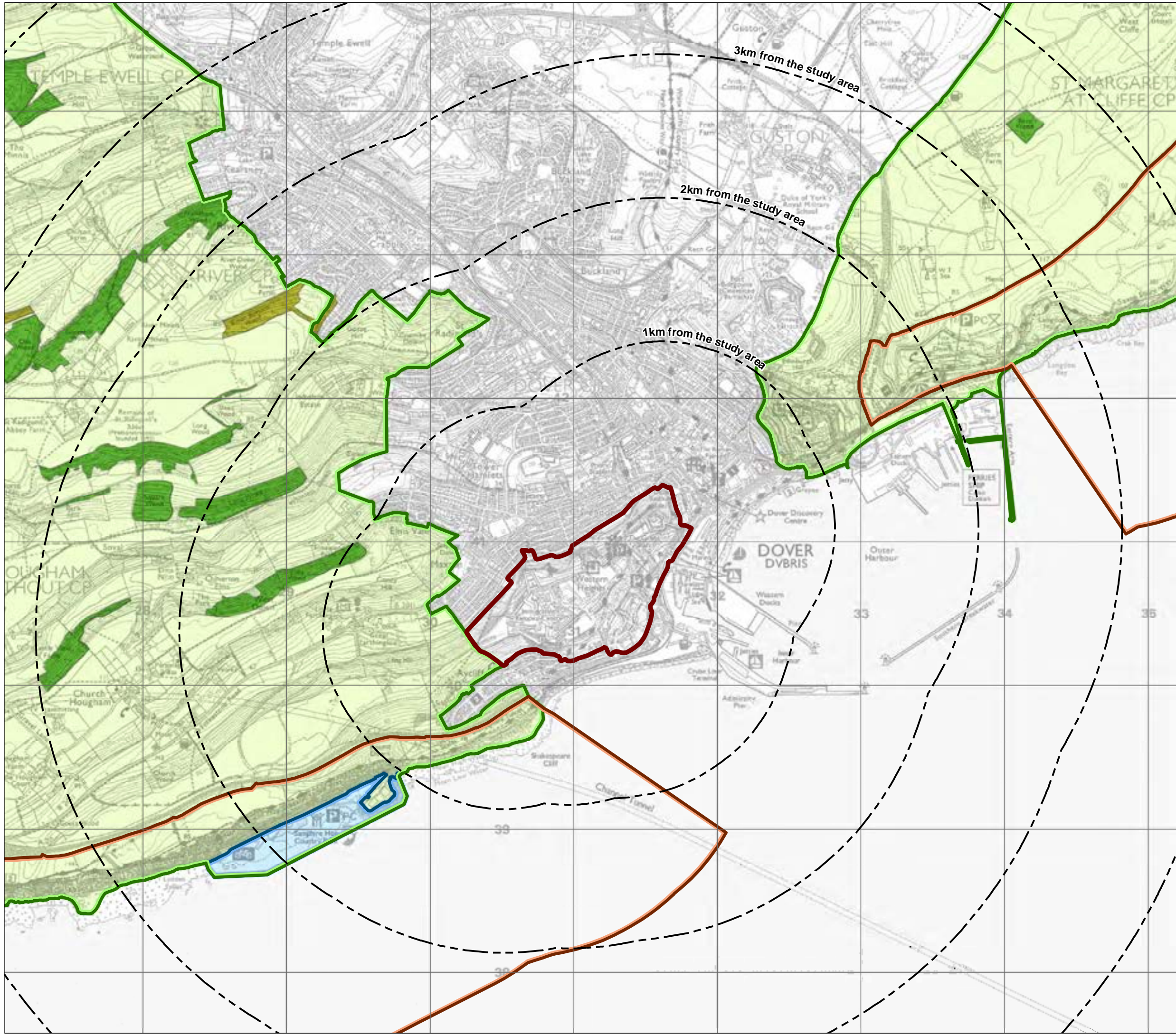
A099905 HL12 Designations - Landscape March 2017

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Designations : **HL.13**  
Landscape

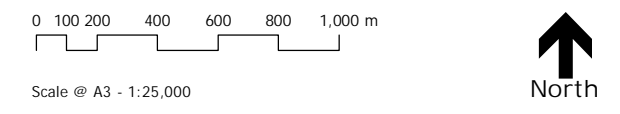


**Key**

-  Study area
-  1km buffers from study area

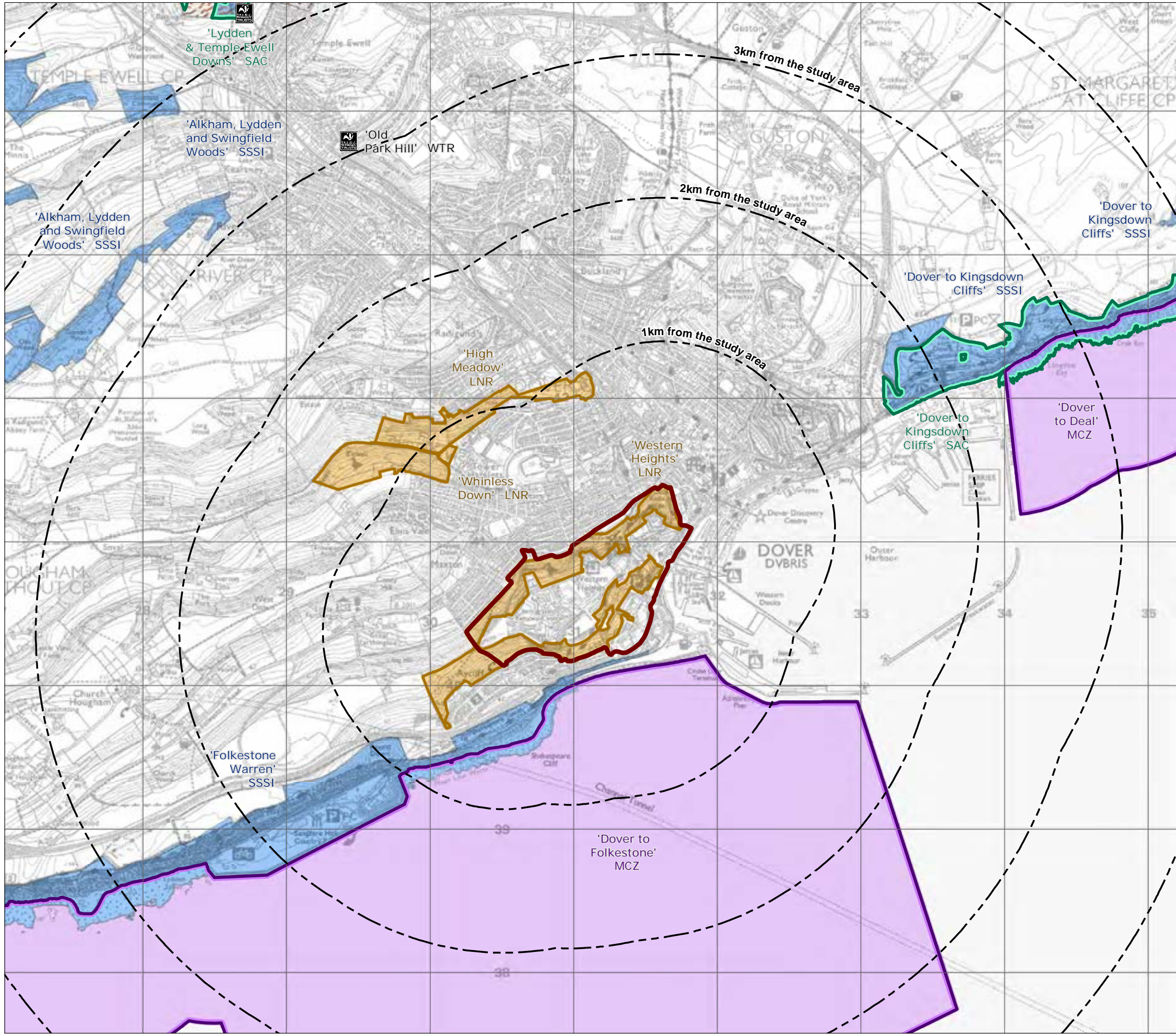
**Landscape Designations :**

-  'Kent Downs' Area of Outstanding Natural Beauty (AONB)
-  Heritage Coasts
-  'Saphire Hoe' Country Park
-  Ancient and Semi-Natural Woodland
-  Ancient Replanted Woodland



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Designations : **HL.14**  
Habitat and Species



**Key**

- The study area
- 1km buffers from the study area
- Habitat and Species Designations :**
- Special Areas of Conservation (SAC)
- Sites of Special Scientific Interest (SSSI)
- Marine Conservation Zones (MCZ)
- 'Lydden Temple Ewell' National Nature Reserve (NNR)
- Local Nature Reserves (LNR)
- Wildlife Trust Reserve (WTR)

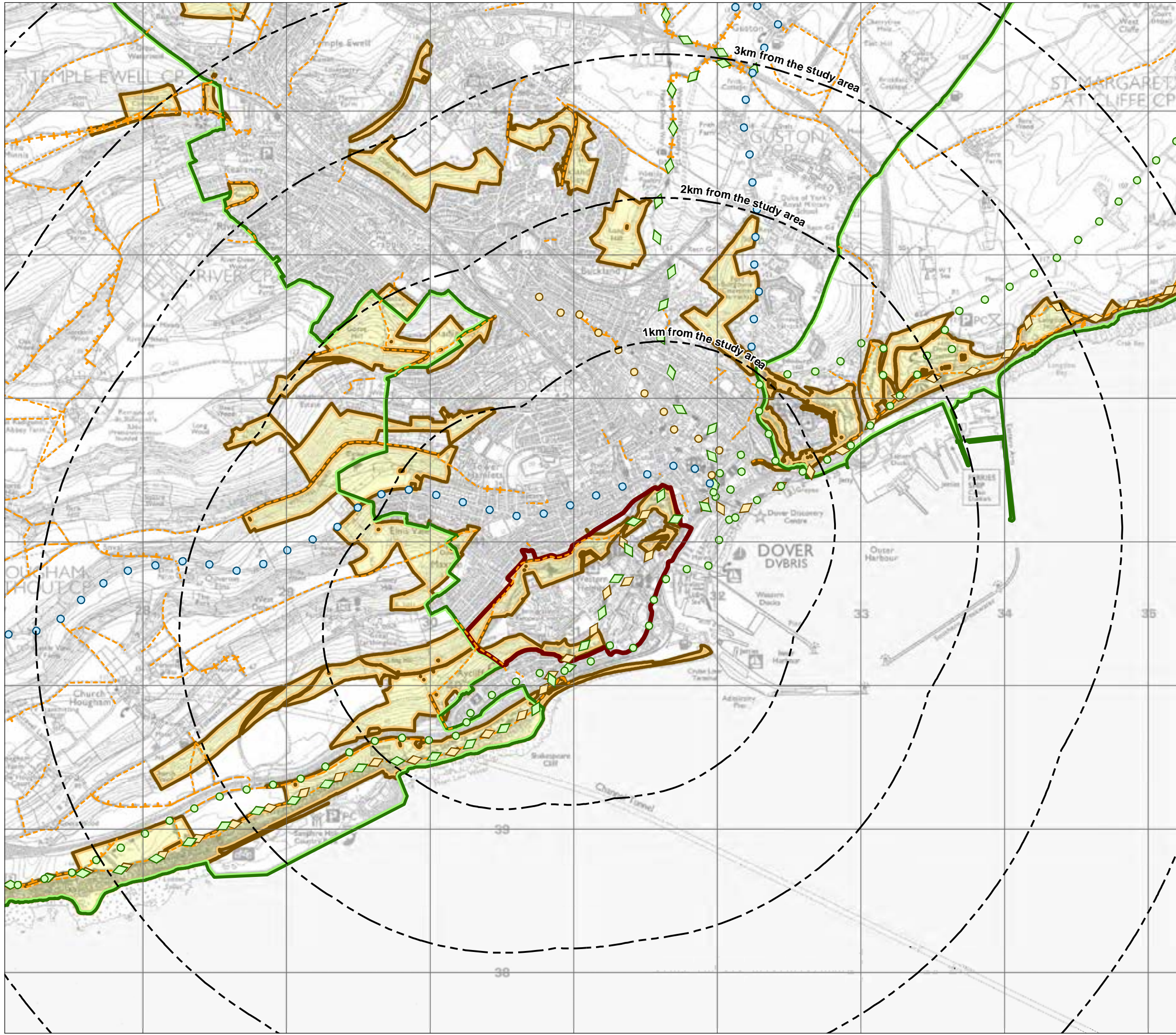
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Scale @ A3 - 1:25,000




North

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Designations : HL.15-1  
Public Access

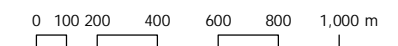


**Key**

-  Study area
-  1km buffers from study area
-  'Kent Downs' Area of Outstanding Natural Beauty (AONB)

**Public Access :**

-  Public Footpaths
-  Public Bridleways
-  Byways open to all traffic
-  Restricted Byways
-  'Folkestone to Ramsgate' England Coast Path
-  'North Downs Way' National Trail
-  'The Chalk and Chanel Way' National Cycle Route (NCR)
-  - Link to NCR
-  Regional Cycle Route
-  CROW Access Land



Scale @ A3 - 1:25,000

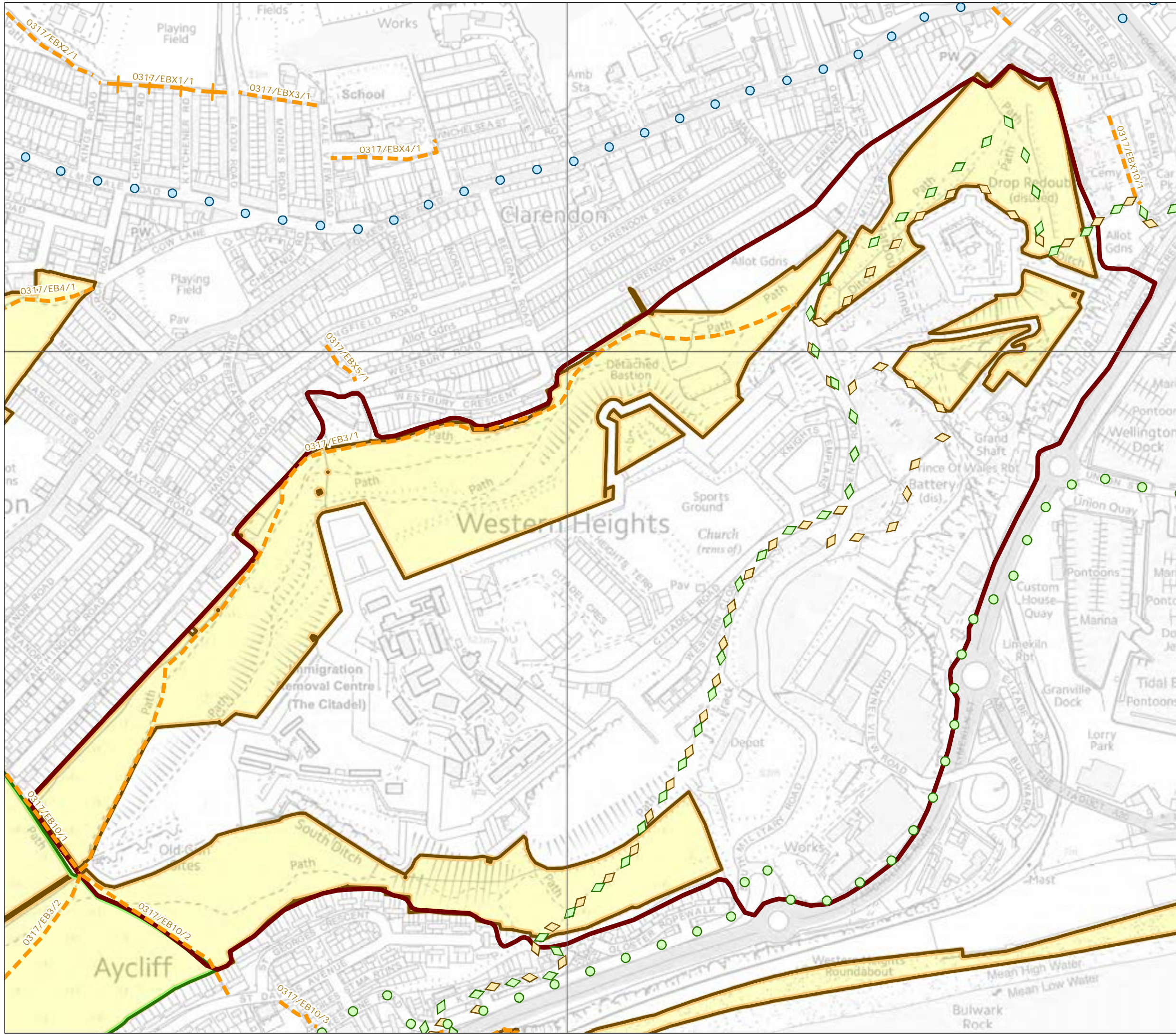


A099905 HL15-1 Designations - Public Access.mxd March 2017

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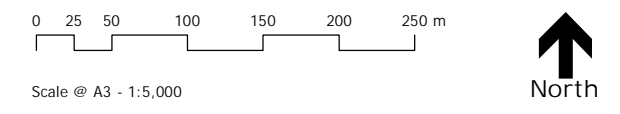
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Designations : HL.15-2  
Public Access



**Key**

- Study area
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- Public Access :**
- Public Footpaths
- Byways open to all traffic
- 'Folkestone to Ramsgate' England Coast Path
- 'North Downs Way' National Trail
- 'The Chalk and Chanel Way' National Cycle Route (NCR)
- Regional Cycle Route
- CROW Access Land



# Western Heights Combined Heritage and Landscape Appraisal

## Visual Appraisal : HL.16 Topography

### Key

- Study area
- 1km buffers from study area
- Zone of Visual Influence
- View areas
- Landscape photograph locations  
Refer to A099905 HL20 for photographs
- Heritage photograph locations  
Refer to A099905 HL19 for photographs

### Landscape and Heritage Designations :

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Saphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

### Public Access :

- Public Footpaths
- Public Bridleways
- Byways open to all traffic
- Restricted Byways
- 'Folkestone to Ramsgate' England Coast Path
- 'North Downs Way' National Trail
- 'The Chalk and Chanel Way' National Cycle Route (NCR)
- Link to NCR
- Regional Cycle Route

### Topography @ 10m Intervals AOD :

	141 - 150		61 - 70
	131 - 140		51 - 60
	121 - 130		41 - 50
	111 - 120		31 - 40
	101 - 110		21 - 30
	91 - 100		11 - 20
	81 - 90		1 - 10
	71 - 80		-2 - 0

0 100 200 400 600 800 1,000 m

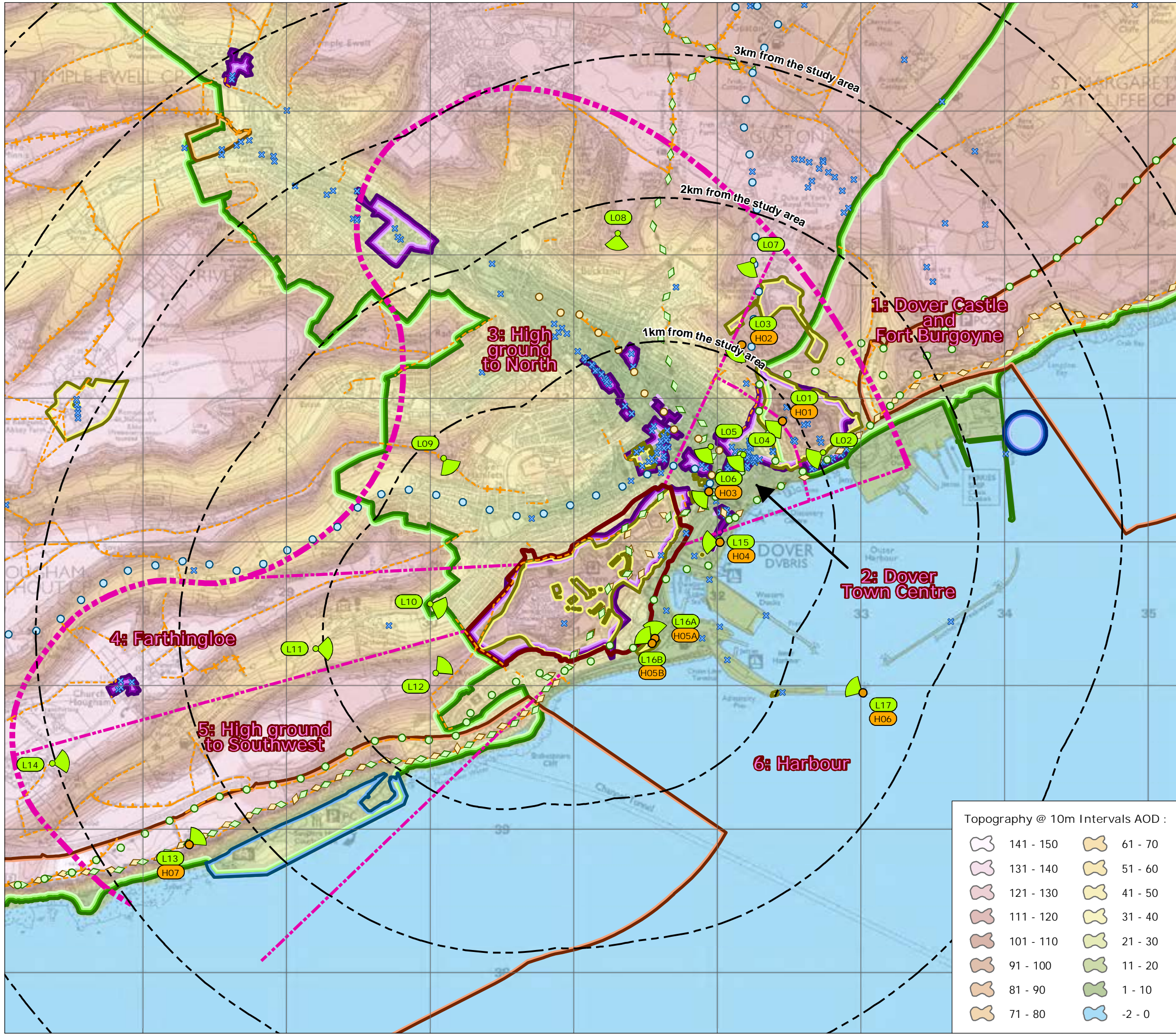
Scale @ A3 - 1:25,000



A099905 HL16 Visual Appraisal - Topography.mxd March 2017

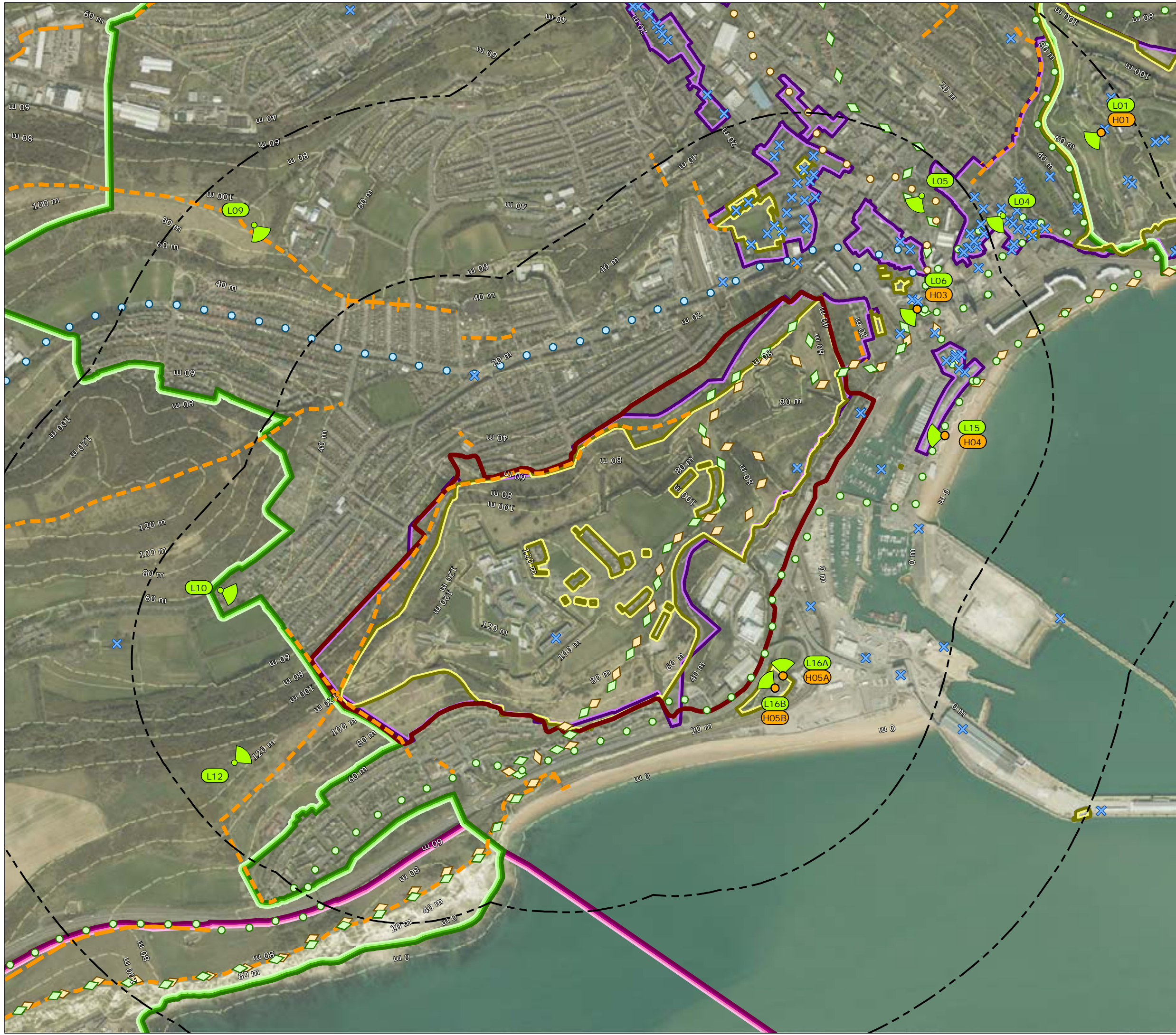
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# Western Heights Combined Heritage and Landscape Appraisal

## Visual Appraisal : HL.17 Site Context



### Key

- The study area
- 500m buffers from site boundary
- Contours @ 20m intervals AOD
- Landscape photograph locations  
Refer to A099905 HL20 for photographs
- Heritage photograph locations  
Refer to A099905 HL19 for photographs
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- Conservation Areas
- 'Dover to Folkestone' Heritage Coast
- Scheduled Monuments
- Listed Buildings
- Public Footpaths
- Public Bridleways
- Byways open to all traffic
- 'Folkestone to Ramsgate' England Coast Path
- 'North Downs Way' National Trail
- 'The Chalk and Chanel Way' National Cycle Route (NCR)
- Link to NCR
- Regional Cycle Route



Scale @ A3 - 1:10,000



A099905 HL17 Visual Appraisal - Site Context.mxd March 2017














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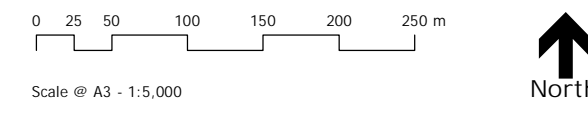


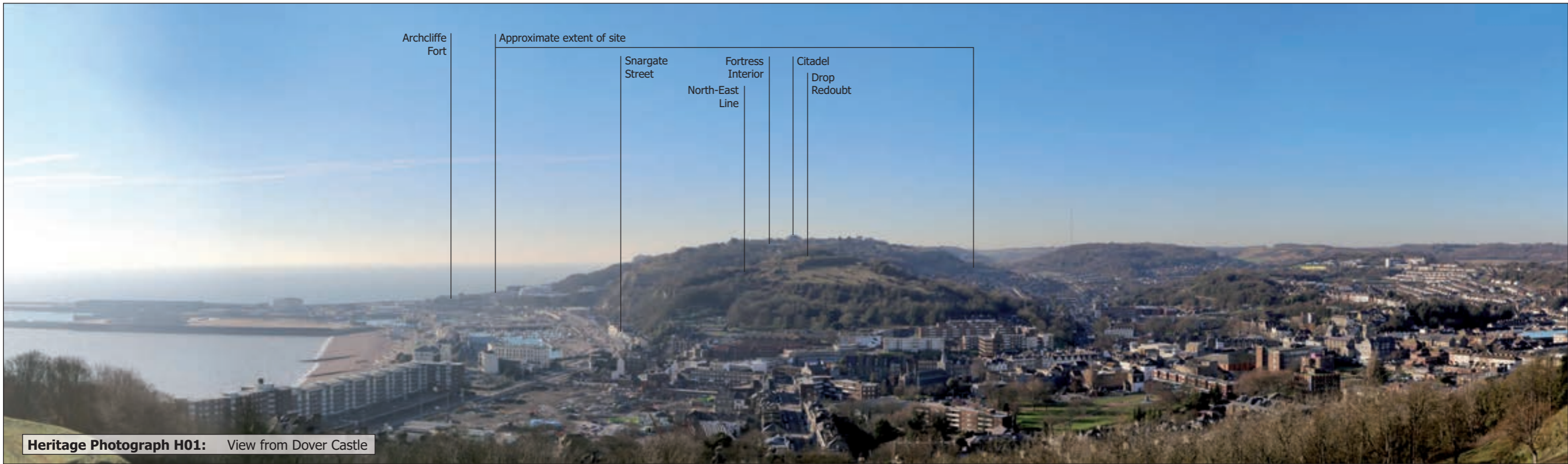
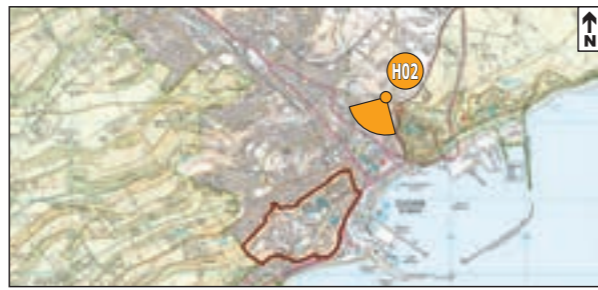
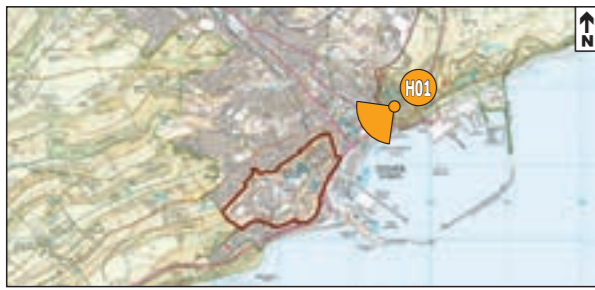
Western Heights  
Combined Heritage and  
Landscape Appraisal

Visual Appraisal : HL.18  
The Site



- Key**
-  The study area
  -  Heritage photograph locations  
Refer to A099905 HL19 for photographs
  -  Contours @ 10m intervals AOD
- Landscape and Heritage Designations :**
-  'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  -  Conservation Areas
  -  Scheduled Monuments
  -  Listed Buildings
- Public Access :**
-  Public Footpaths
  -  Byways open to all traffic
  -  'Folkestone to Ramsgate' England Coast Path
  -  'North Downs Way' National Trail
  -  'The Chalk and Chanel Way' National Cycle Route (NCR)
  -  Regional Cycle Route





**Heritage Photograph H01:** View from Dover Castle



**Heritage Photograph H02:** View from Connaught Barracks Officers' Mess site



**Heritage Photograph H03:** View from Queen Street, Dover



**Heritage Photograph H04:** View from Waterloo Crerscent

**A099905 HL19 [1].cdr March 2017**

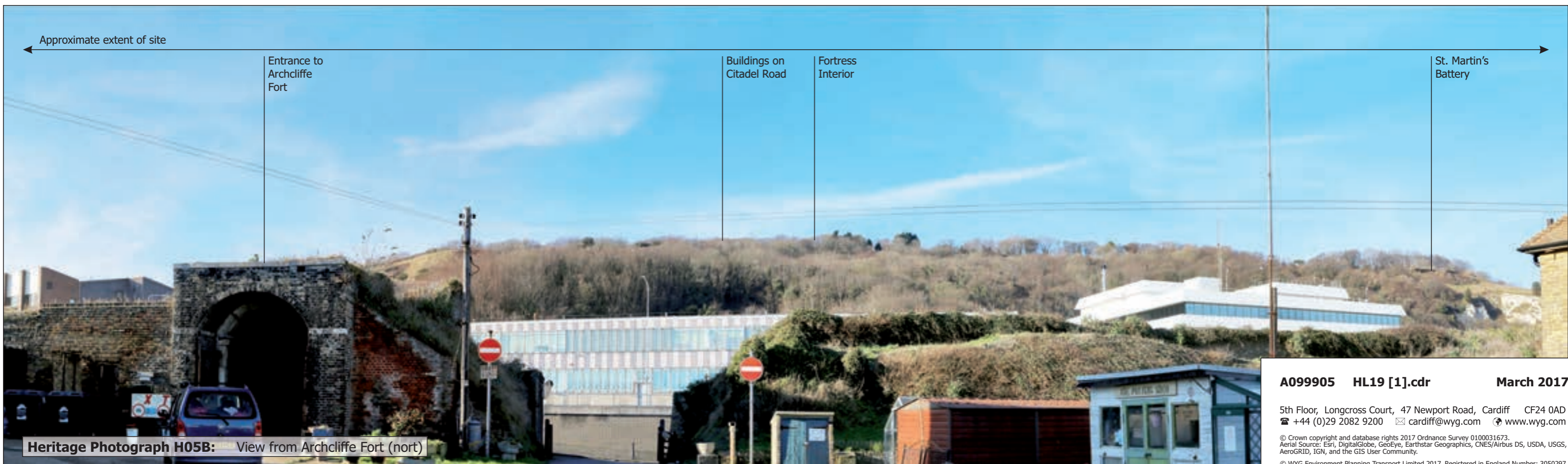
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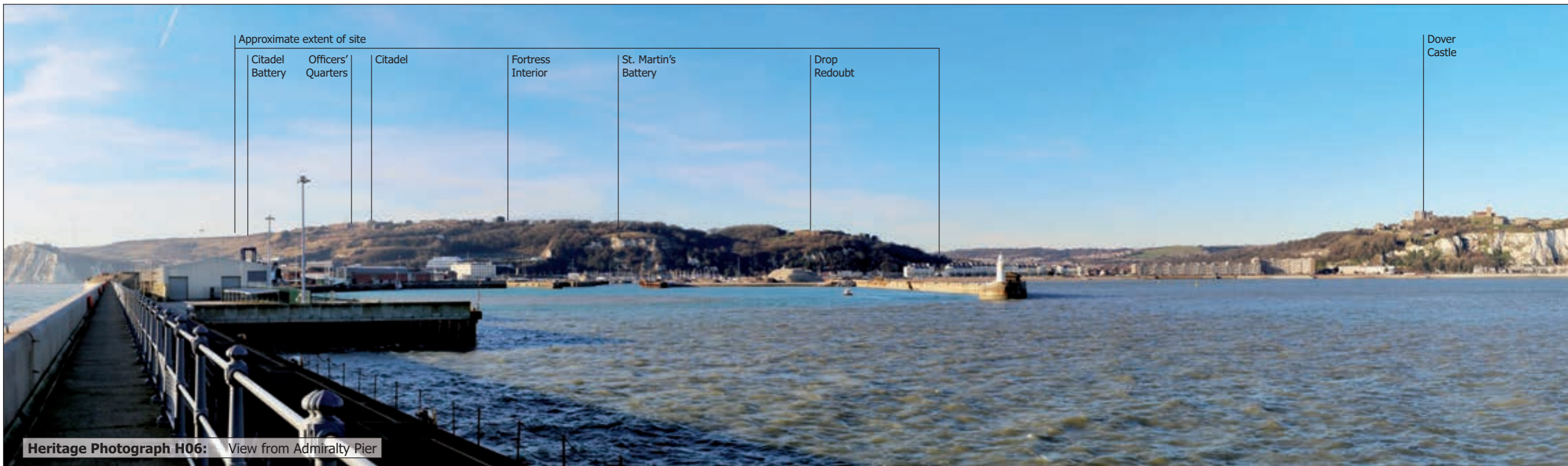
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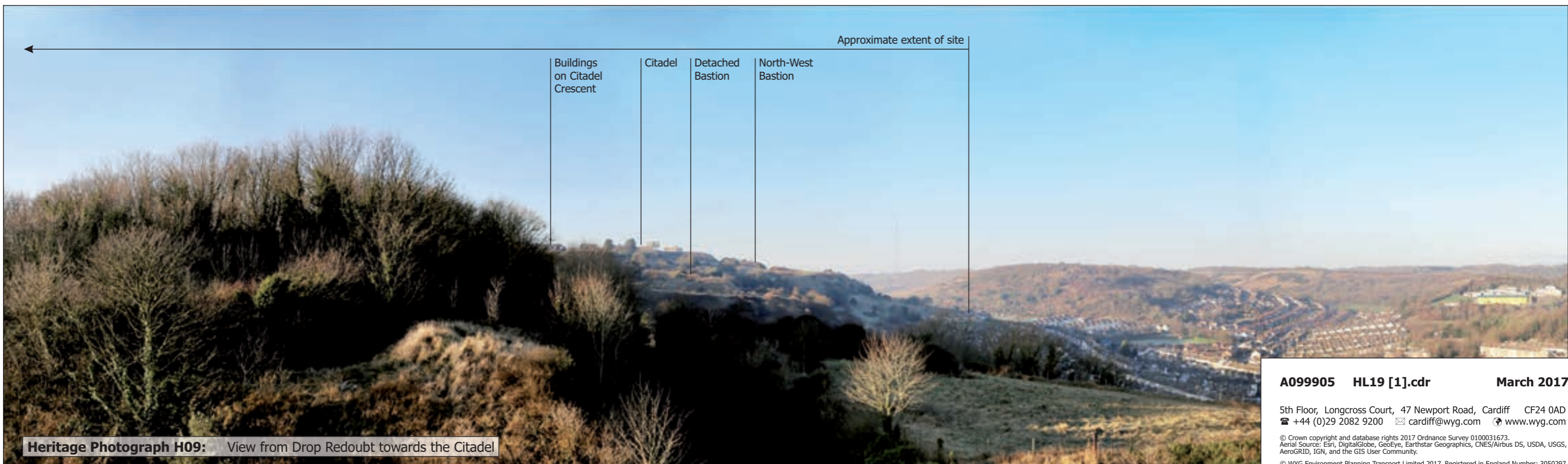
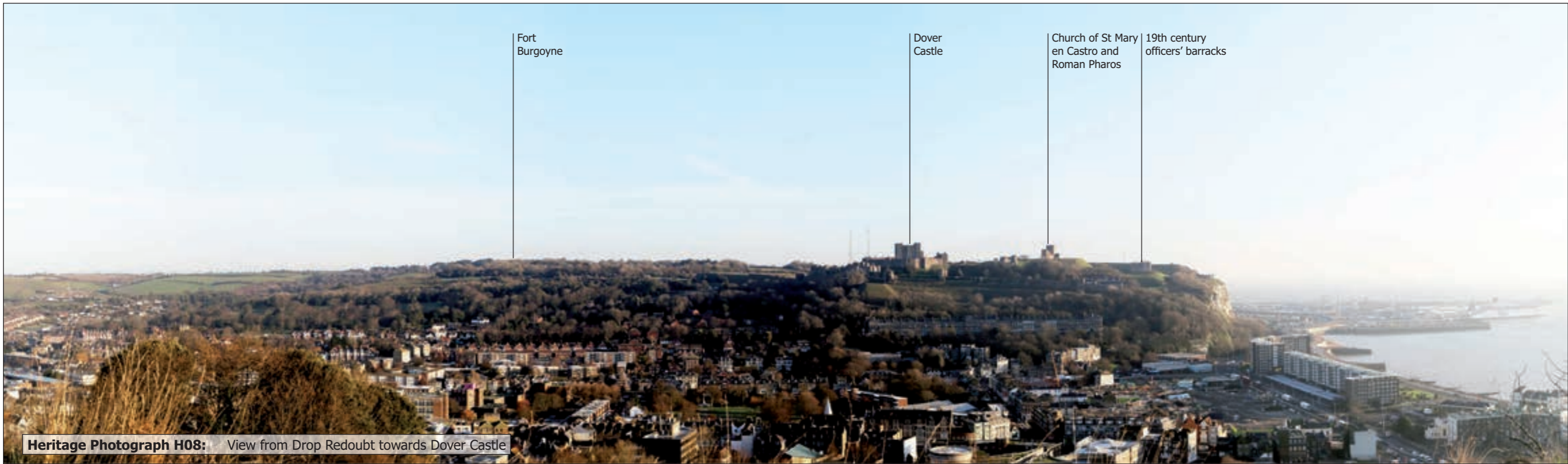
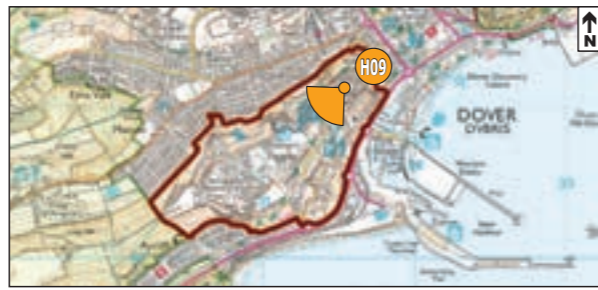
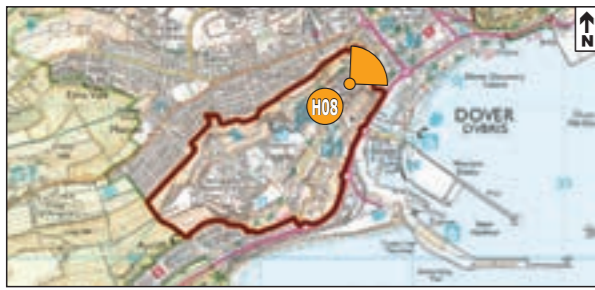


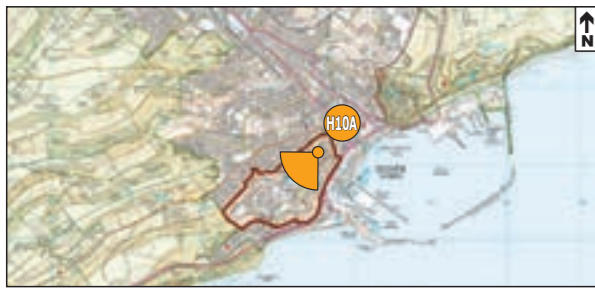
**Heritage Photograph H05A:** View from Archcliffe Fort (north-east)



**Heritage Photograph H05B:** View from Archcliffe Fort (north)







**Western Heights Combined  
Heritage & Landscape Appraisal  
Heritage Photographs HL.19-6**



**Heritage Photograph H10A:** View south-west along the North Line



**Heritage Photograph H10B:** View west along Line to north of Drop Redoubt



**Heritage Photograph H10C:** View south-east along Line east of Drop Redoubt



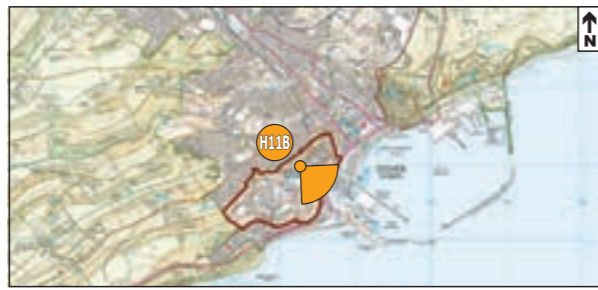
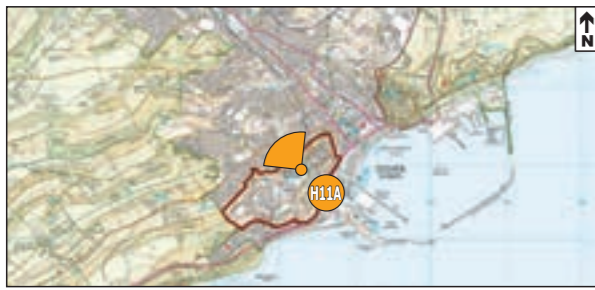
**Heritage Photograph H10D:** View south-east along the North-East Line

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Heritage Photographs HL.19-7**



**Heritage Photograph H11A:** View north from North Entrance



**Heritage Photograph H11B:** View south from North Entrance across the tenaille



**Heritage Photograph H11C:** View south towards the North Entrance from Centre Road



**Heritage Photograph H11D:** View north from South Entrance

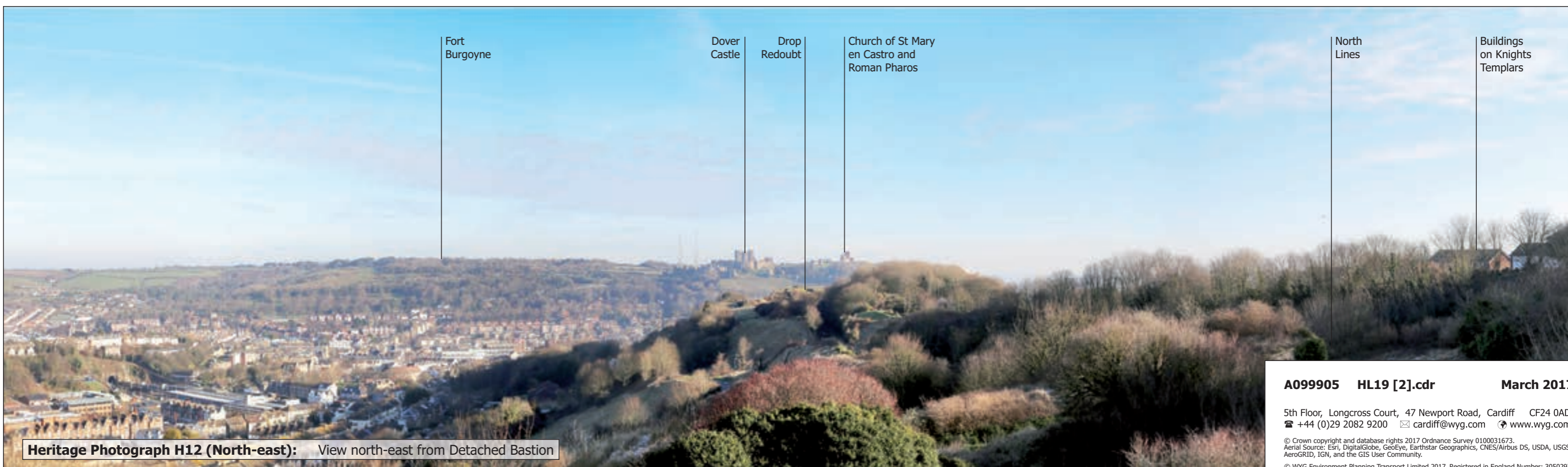
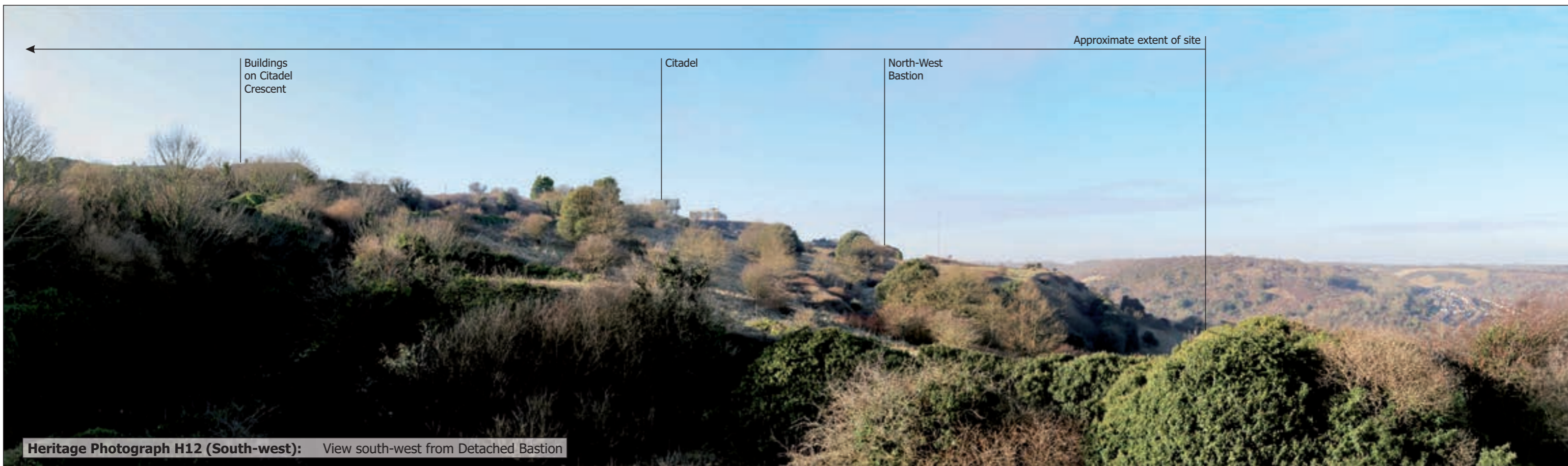
**A099905 HL19 [2].cdr March 2017**

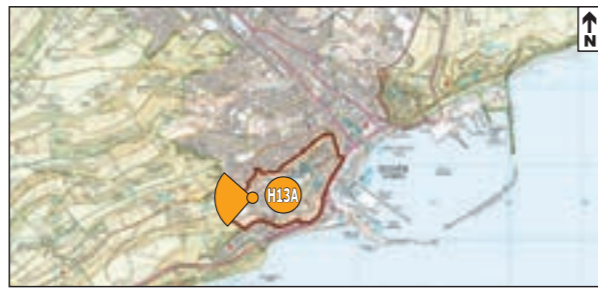
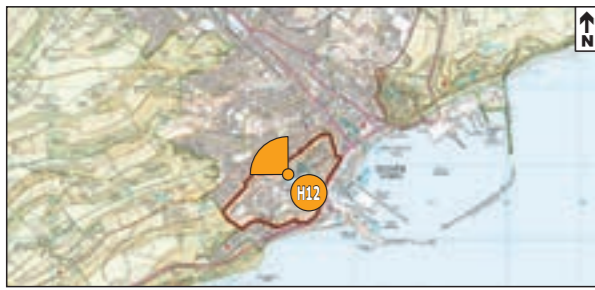
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**Heritage Photograph H12 (North-west):** View north-west from Detached Bastion



**Heritage Photograph H13A-1:** View west from Pillbox to north-west of Citadel



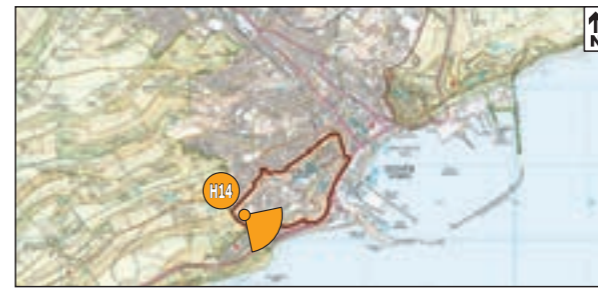
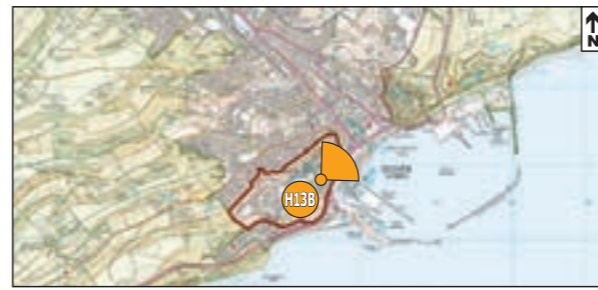
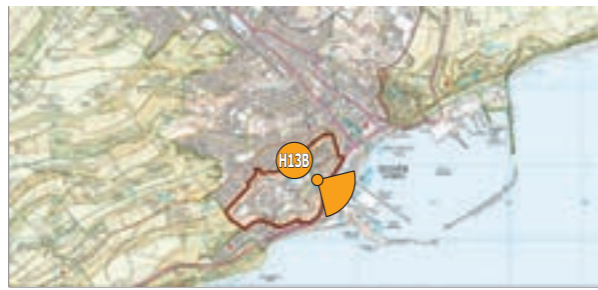
**Heritage Photograph H13A-2:** View north from Pillbox to north-west of Citadel

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Heritage Photographs HL.19-10**



**Heritage Photograph H13A-3:** Pillbox to north-west of Citadel



**Heritage Photograph H13B-1:** View south-east from Pillbox to north-east of St Martin's Battery



**Heritage Photograph H13B-2:** View north-east from Pillbox to north-east of St Martin's Battery



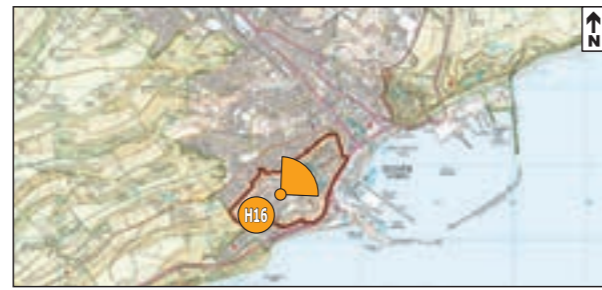
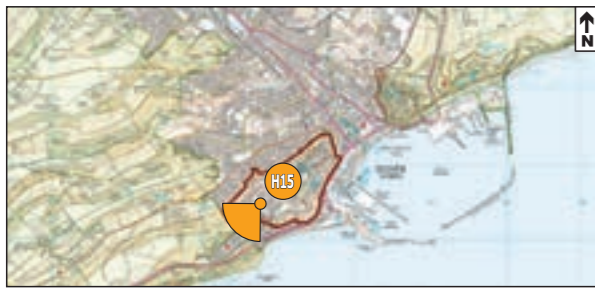
**Heritage Photograph H14:** View south-east from Citadel Battery

**A099905 HL19 [2].cdr March 2017**

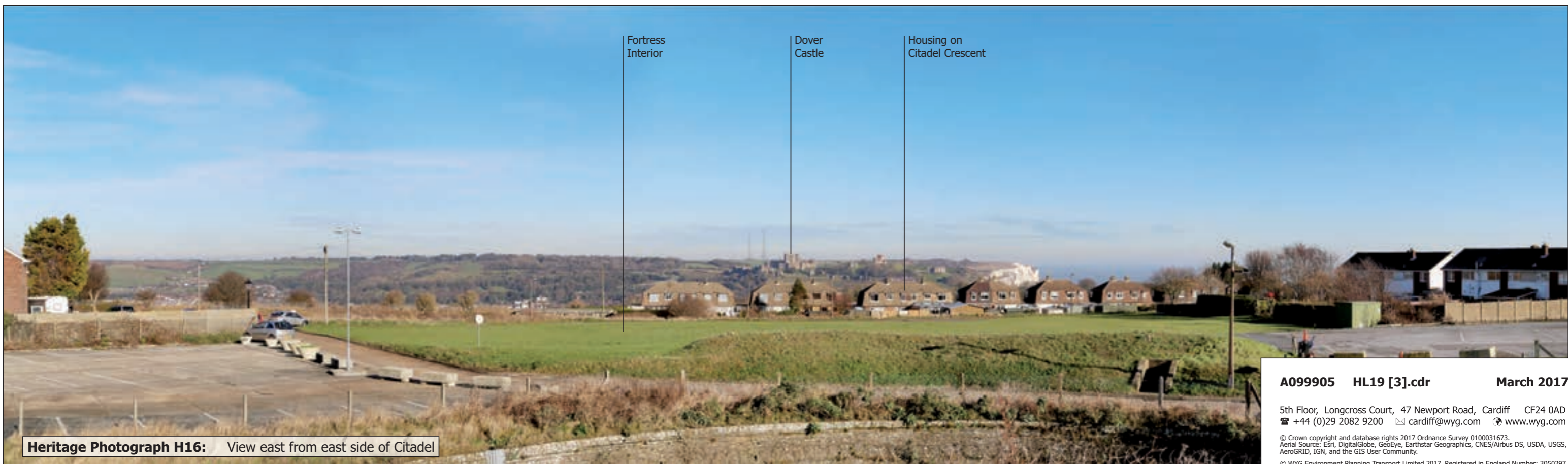
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**Heritage Photograph H15:** View west from west side of Citadel



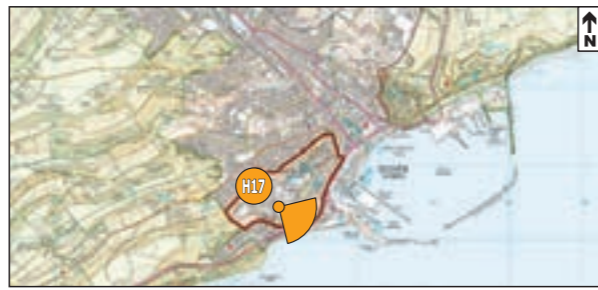
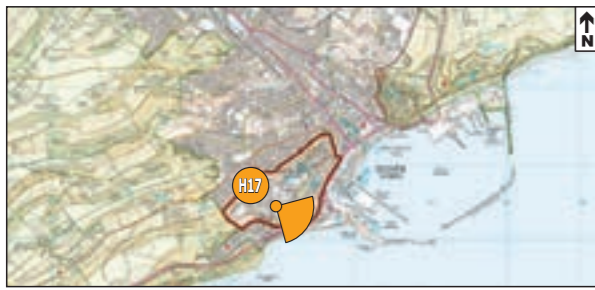
**Heritage Photograph H16:** View east from east side of Citadel

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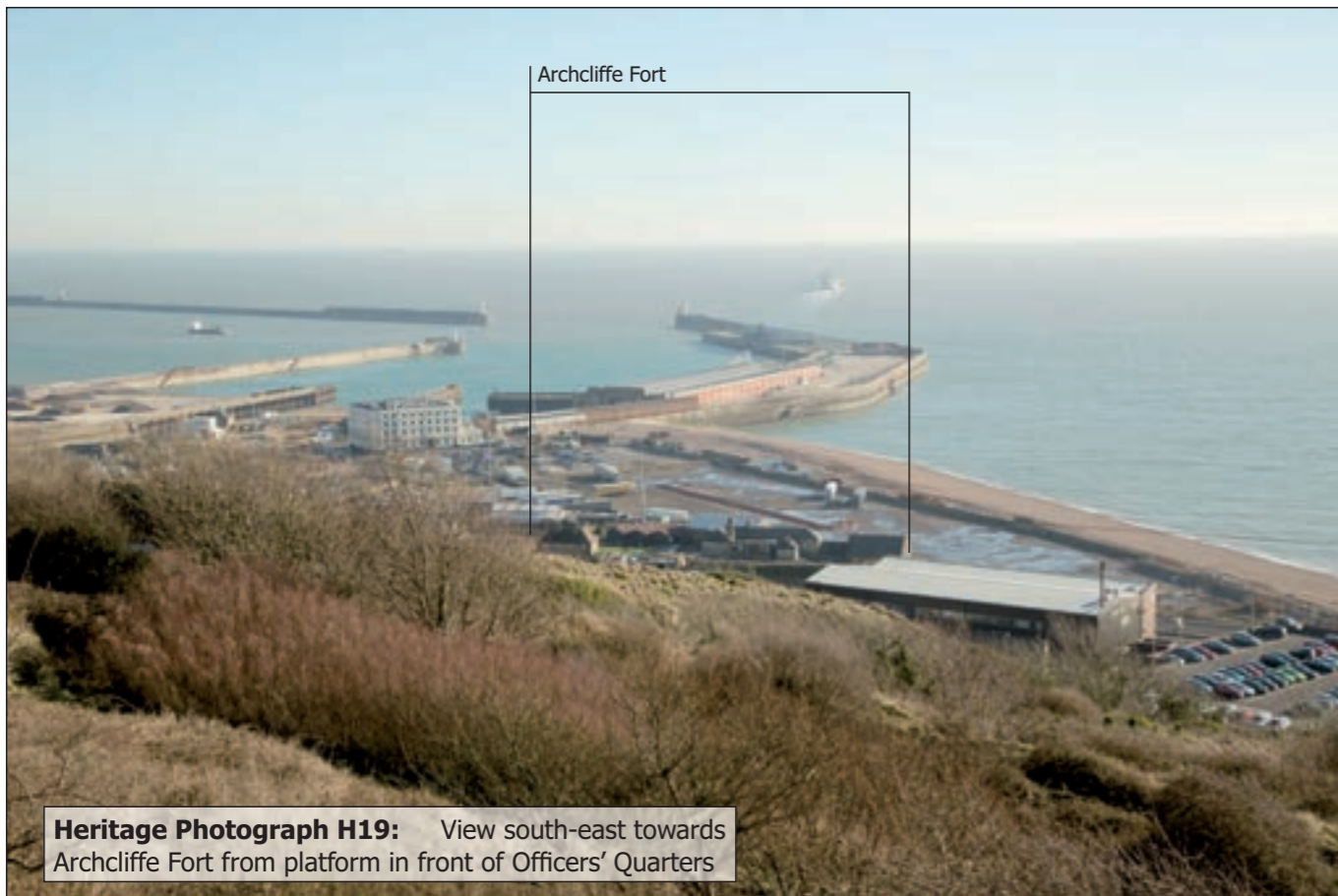
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**Heritage Photographs HL.19-12**



**Heritage Photograph H17-1:** View south from top storey of Officers' Quarters

**Heritage Photograph H17-2:** View south from top storey of Officers' Quarters

**Heritage Photograph H18:** View north-west towards Officers' Quarters



**Heritage Photograph H19:** View south-east towards Archcliffe Fort from platform in front of Officers' Quarters



**Western Heights Combined  
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Heritage Photographs HL.19-13**



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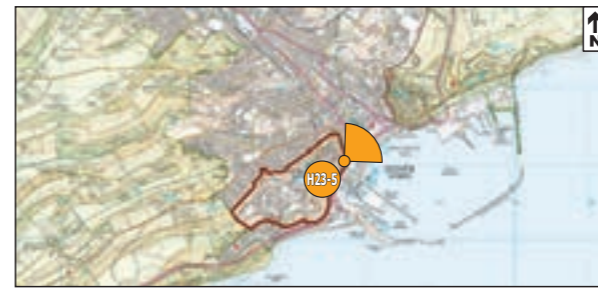
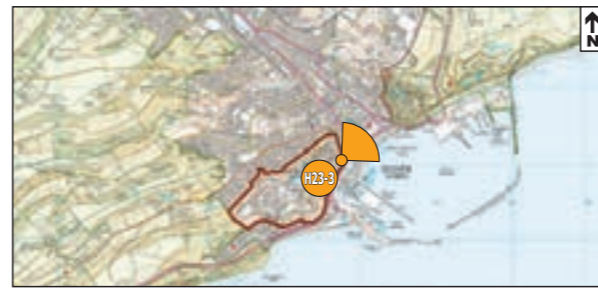
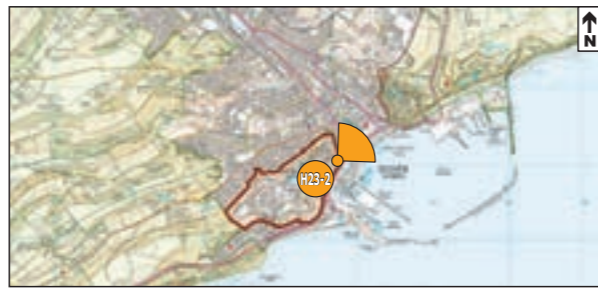
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**Heritage Photograph H22 (Left):** View north-east from Snargate Street



**Heritage Photograph H22 (Right):** View south from Snargate Street



**Heritage Photograph H23-1:** View of the Folly showing the scale of vegetation in the vicinity and on the feature



**Heritage Photograph H23-2:** View of Dover Castle through opening in Folly's north-east wall



**Heritage Photograph H23-3:** Detail of interior of the Folly showing the large opening in the north-east wall

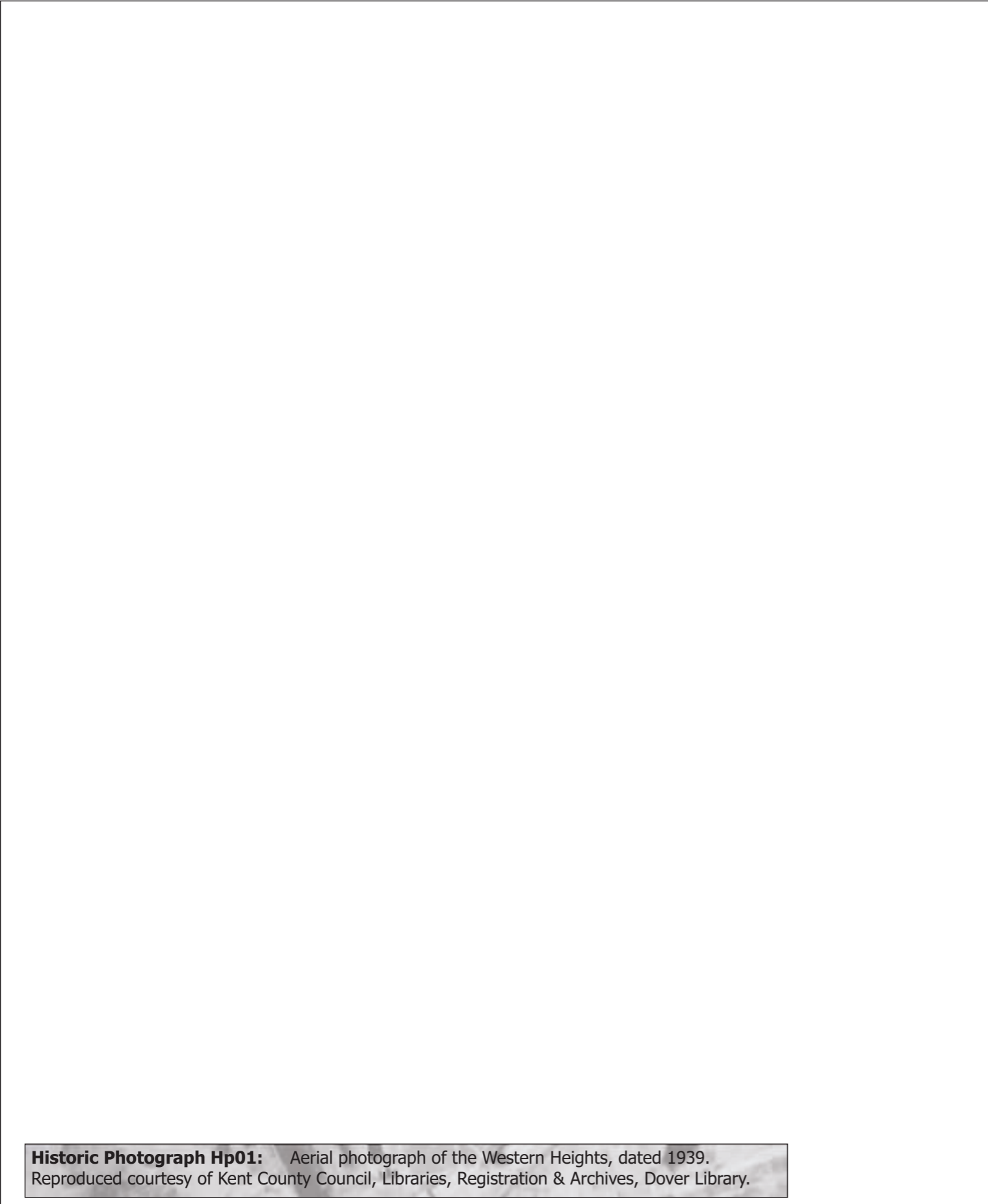


**Heritage Photograph H23-4:** Flint wall defining the terrace



**Heritage Photograph H23-5:** View north-east towards Folly





**Historic Photograph Hp01:** Aerial photograph of the Western Heights, dated 1939. Reproduced courtesy of Kent County Council, Libraries, Registration & Archives, Dover Library.



**Historic Photograph HP02:** Aerial photograph of the Western Heights, dated 1939. Reproduced courtesy of Kent County Council, Libraries, Registration & Archives, Dover Library.

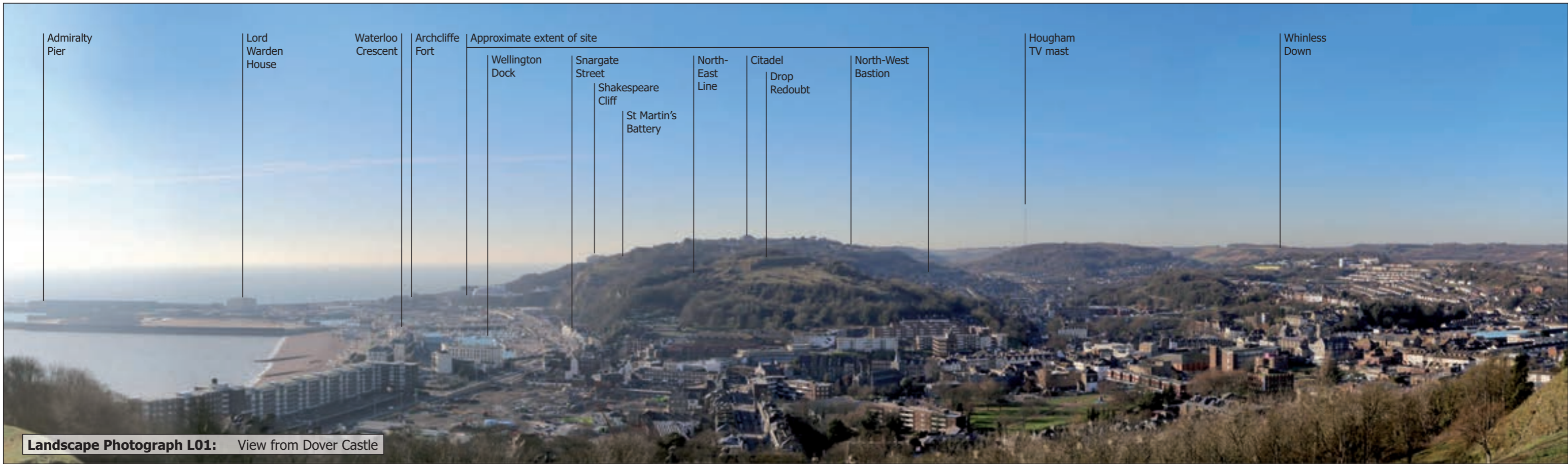
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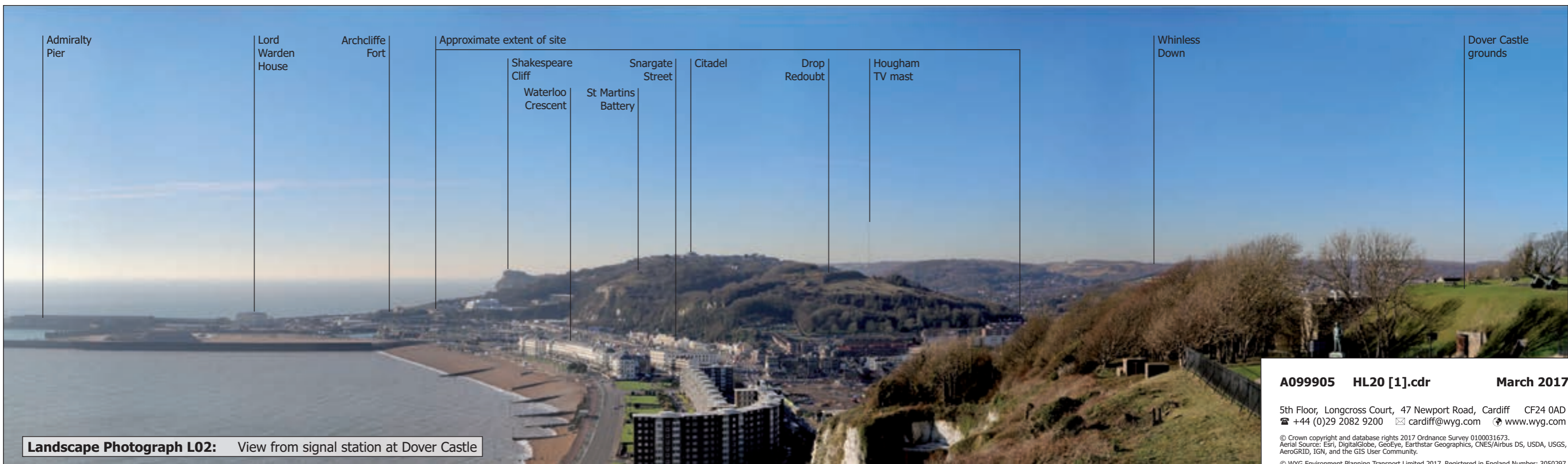
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Landscape Photographs HL.20-1**



**Landscape Photograph L01:** View from Dover Castle



**Landscape Photograph L02:** View from signal station at Dover Castle

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**Landscape Photograph L03:** View from Connaught Barracks



**Landscape Photograph L04:** View from Castle Hill Road

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Landscape Photographs HL.20-3**



**Landscape Photograph L05:** View from Pencester Gardens



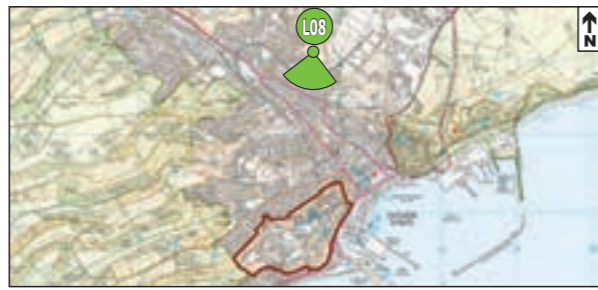
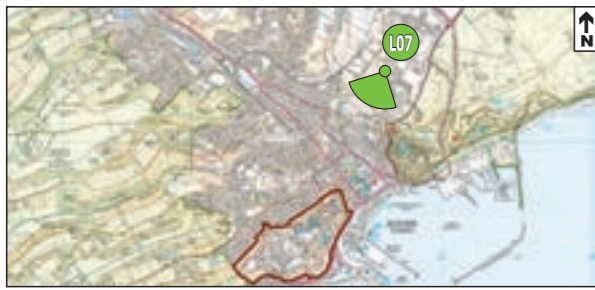
**Landscape Photograph L06:** View from Queen Street

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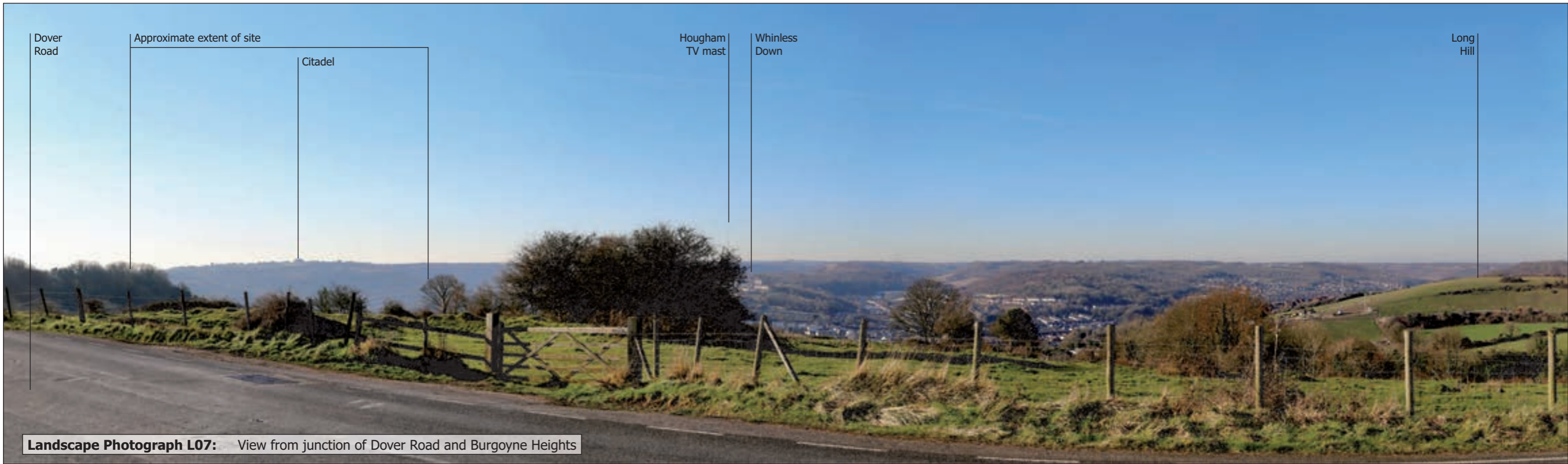
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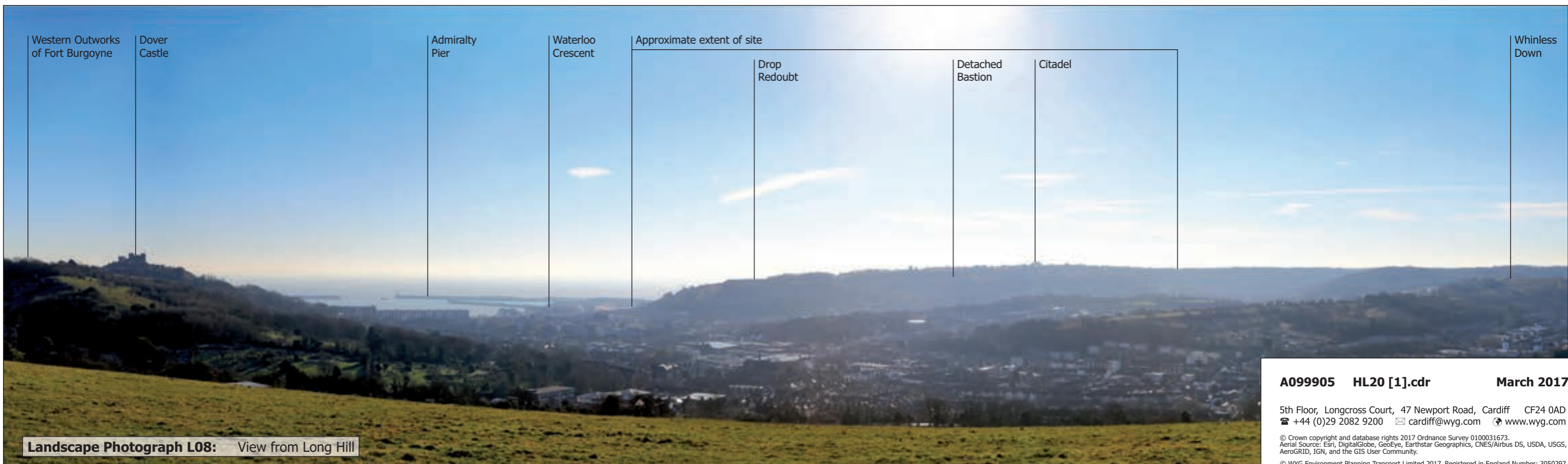
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**Landscape Photograph L07:** View from junction of Dover Road and Burgoyne Heights



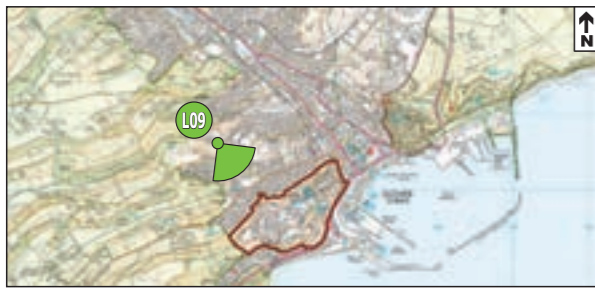
**Landscape Photograph L08:** View from Long Hill

**A099905 HL20 [1].cdr March 2017**

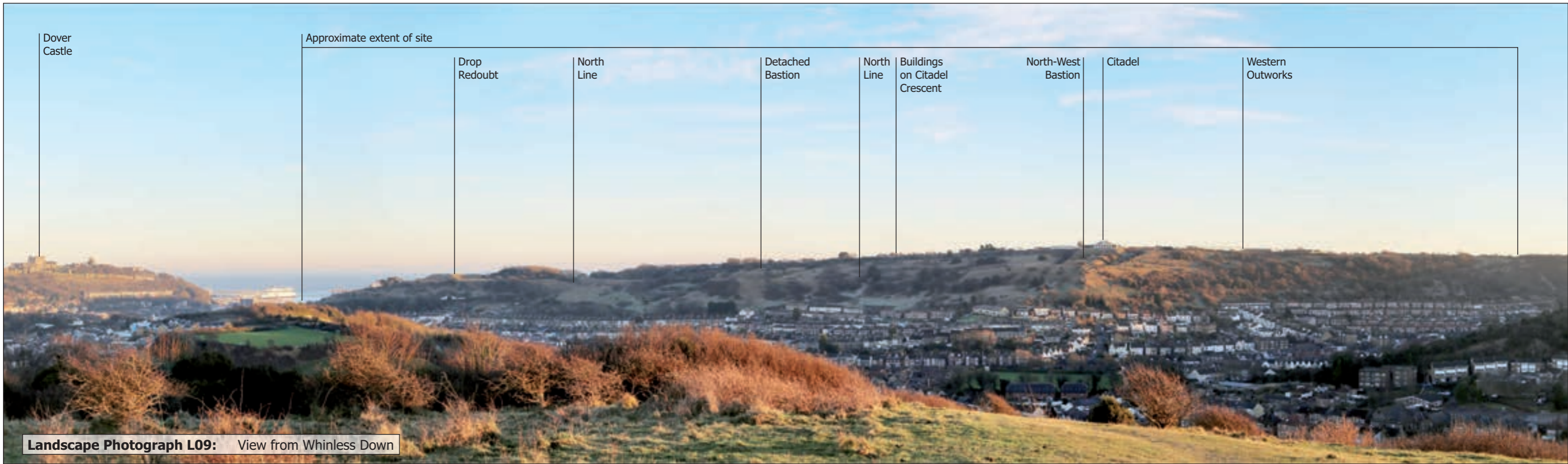
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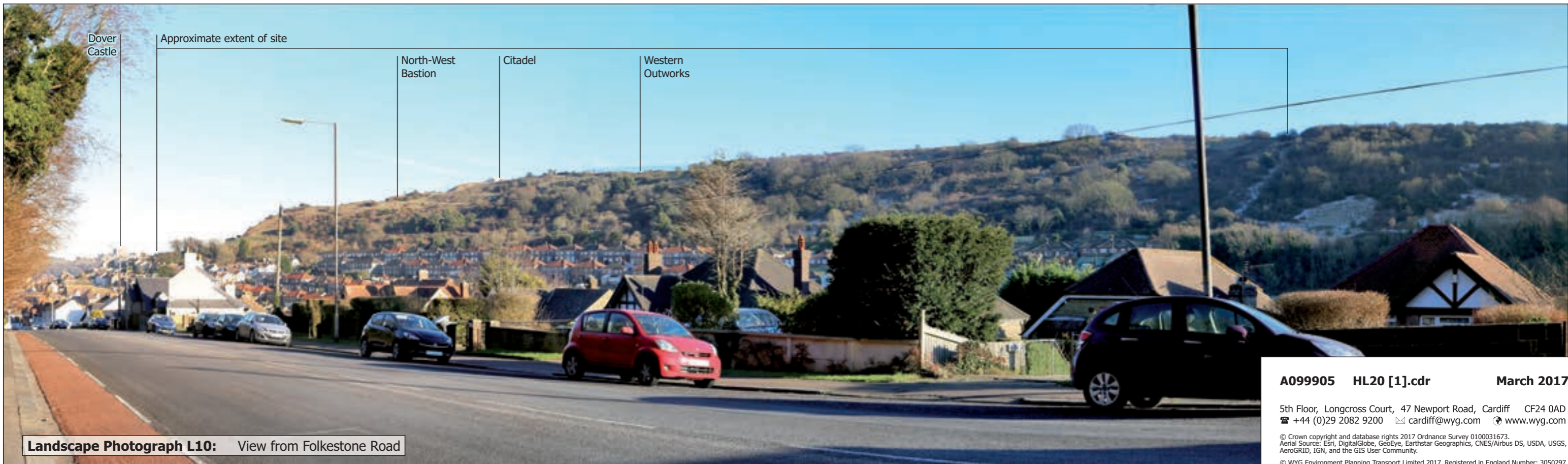
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Landscape Photographs HL.20-5**



**Landscape Photograph L09:** View from Whinless Down

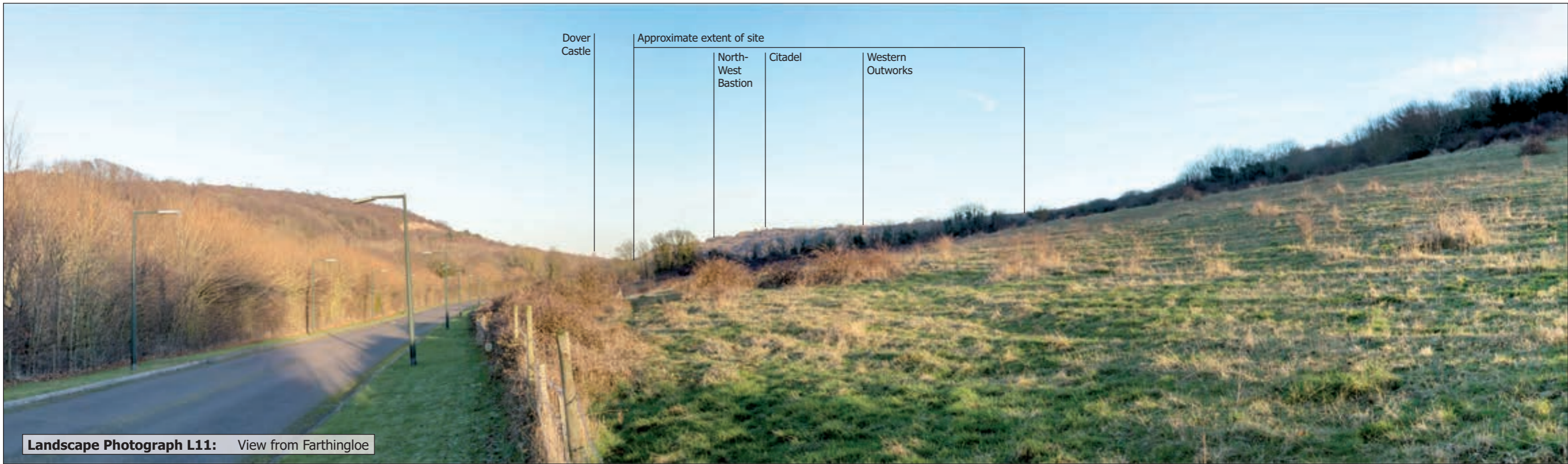


**Landscape Photograph L10:** View from Folkestone Road

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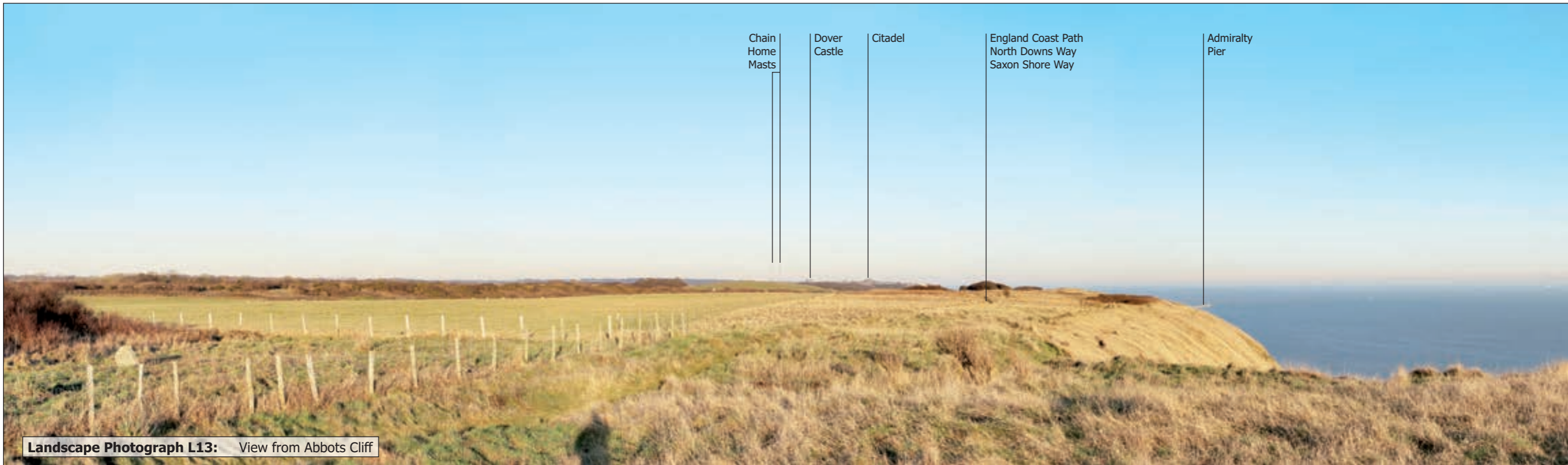
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**Landscape Photograph L11:** View from Farthingloe



**Landscape Photograph L12:** View from access land to west of site

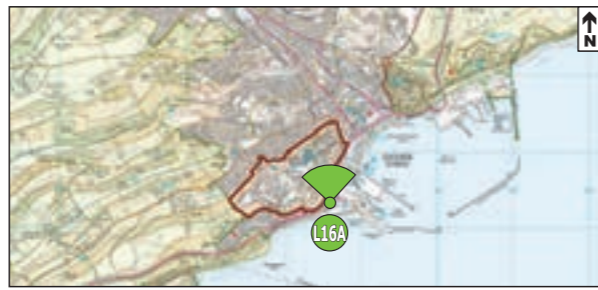
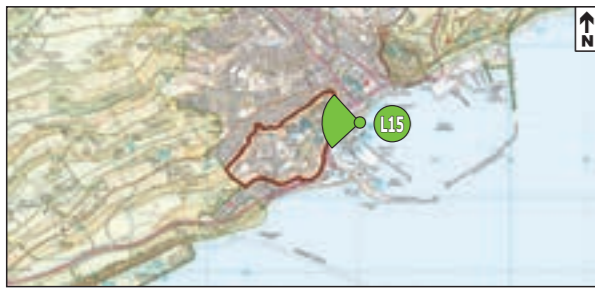


**Landscape Photograph L13:** View from Abbots Cliff

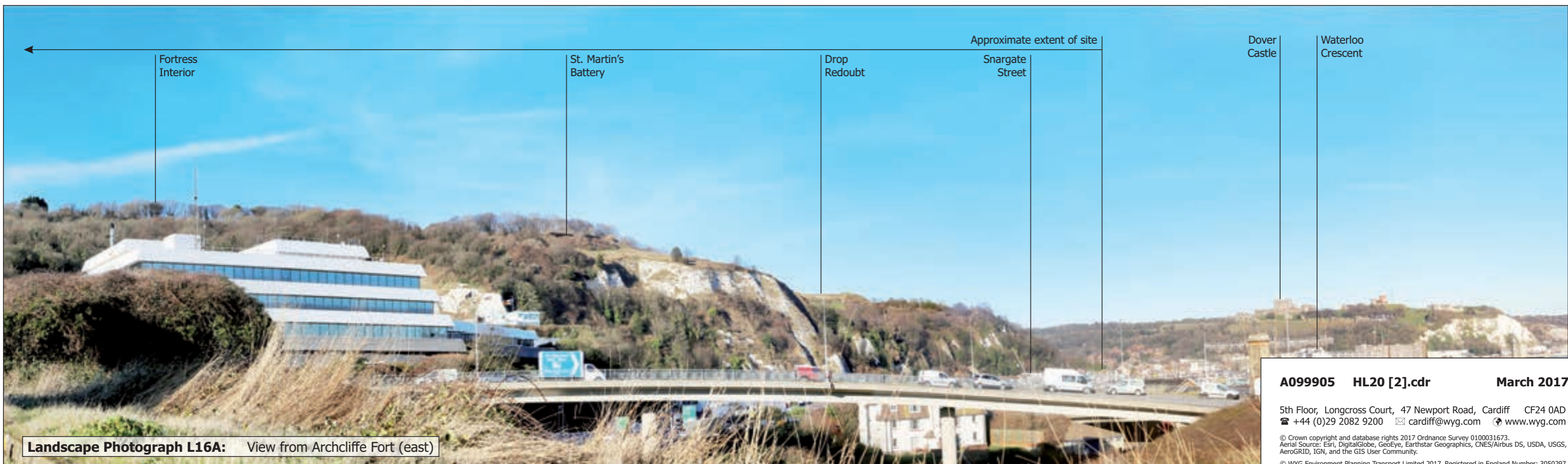


**Landscape Photograph L14:** View from Hougham





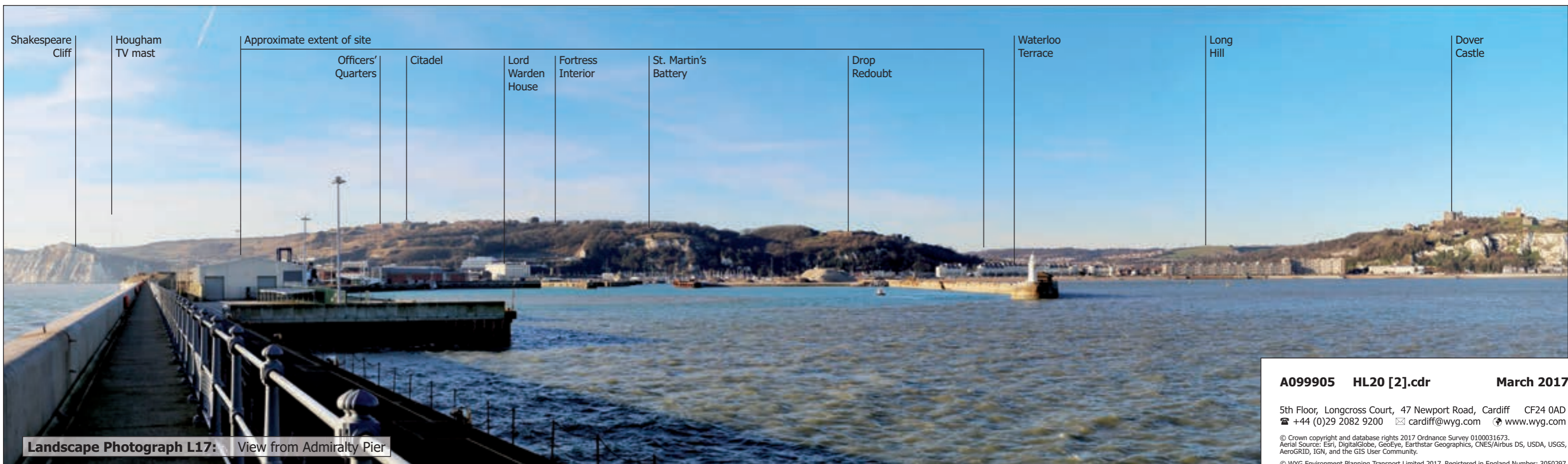
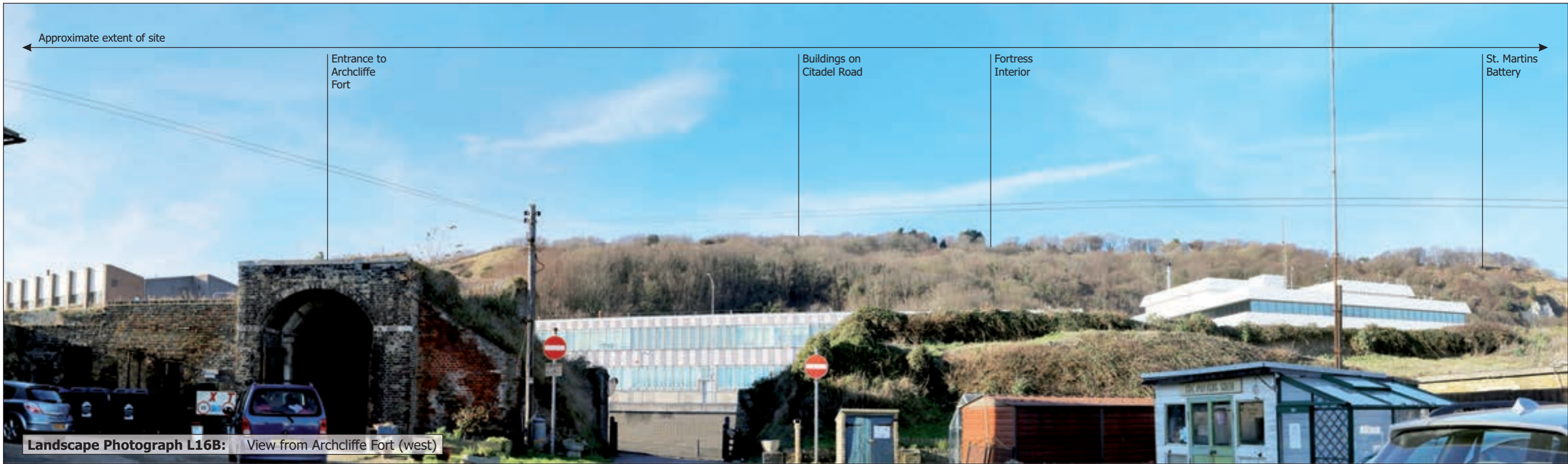
**Western Heights Combined  
Heritage & Landscape Appraisal  
Landscape Photographs HL.20-8**

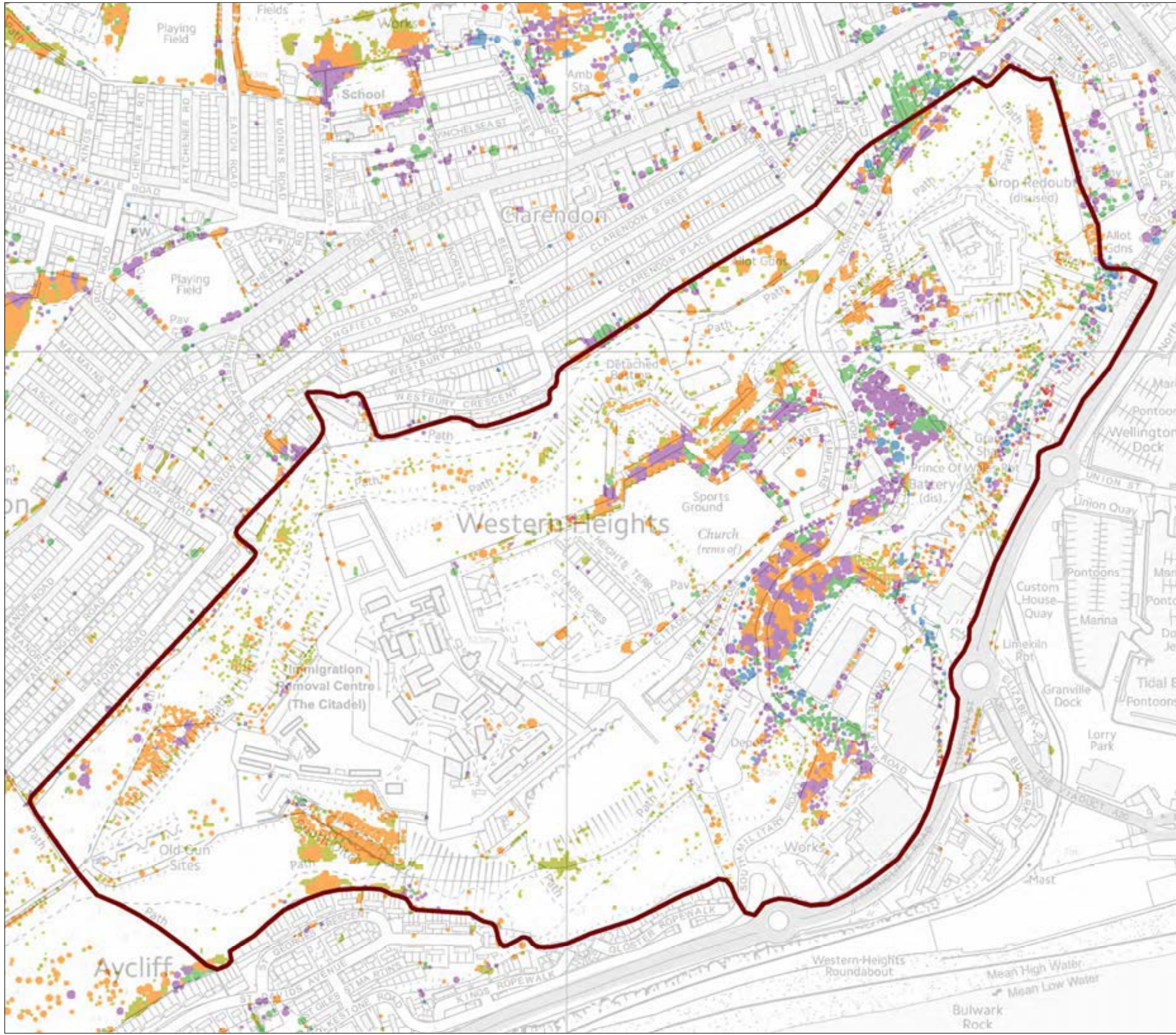


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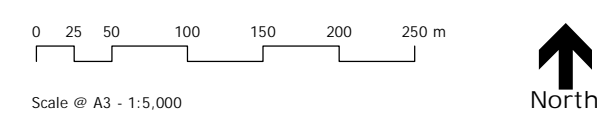




Western Heights  
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National Tree  
Map Data HL.21









- Key**
- The study area
  - National Tree Map Data :
  - Maximum crown height of vegetation
  - 26 - 27m
  - 21 - 25m
  - 16 - 20m
  - 11 - 15m
  - 6 - 10m
  - 1 - 5m

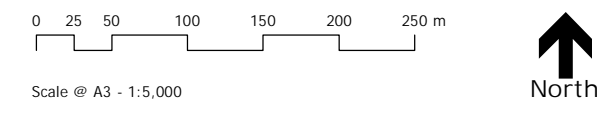


Western Heights  
Combined Heritage and  
Landscape Appraisal

Vegetation Map : Existing  
HL.22-1



- Key**
-  The study area
  -  Contours @ 10m intervals AOD
- Vegetation Survey :**
-  Maintained grass
  -  Grassland with scrub
  -  Dense scrub
  -  Semi-mature woodland and scrub
  -  Semi-mature woodland
  -  Private land



Western Heights  
Combined Heritage and  
Landscape Appraisal

Vegetation Map :  
Proposed HL.22-2

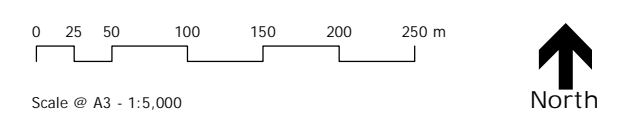


**Key**

- The study area
- Contours @ 10m intervals AOD

**Proposed Vegetation:**

- Chalk grassland - grazed land, kept predominantly free of scrub
- Maintained grassland - regular maintenance
- Grassland with scrub
- Dense scrub
- Semi-mature woodland and scrub
- Semi-mature woodland
- Private land



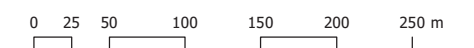


**Key**

The study area

**Character Areas:**

- 1: Citadel & Western Outworks
- 2: Drop Redoubt
- 3: Lines & Detached Bastion
- 4: Fortress Interior
- with 20th century development
- 5: Grand Shaft Barracks
- 6: South Front Barracks
- with 20th century development
- 7: Coastal Batteries
- 8: Woodland
- 9: Snargate Street
- 10: Steep Slopes
- 11: Industrial
- 12: Road Network c1811



Scale @ A3 - 1:5,000



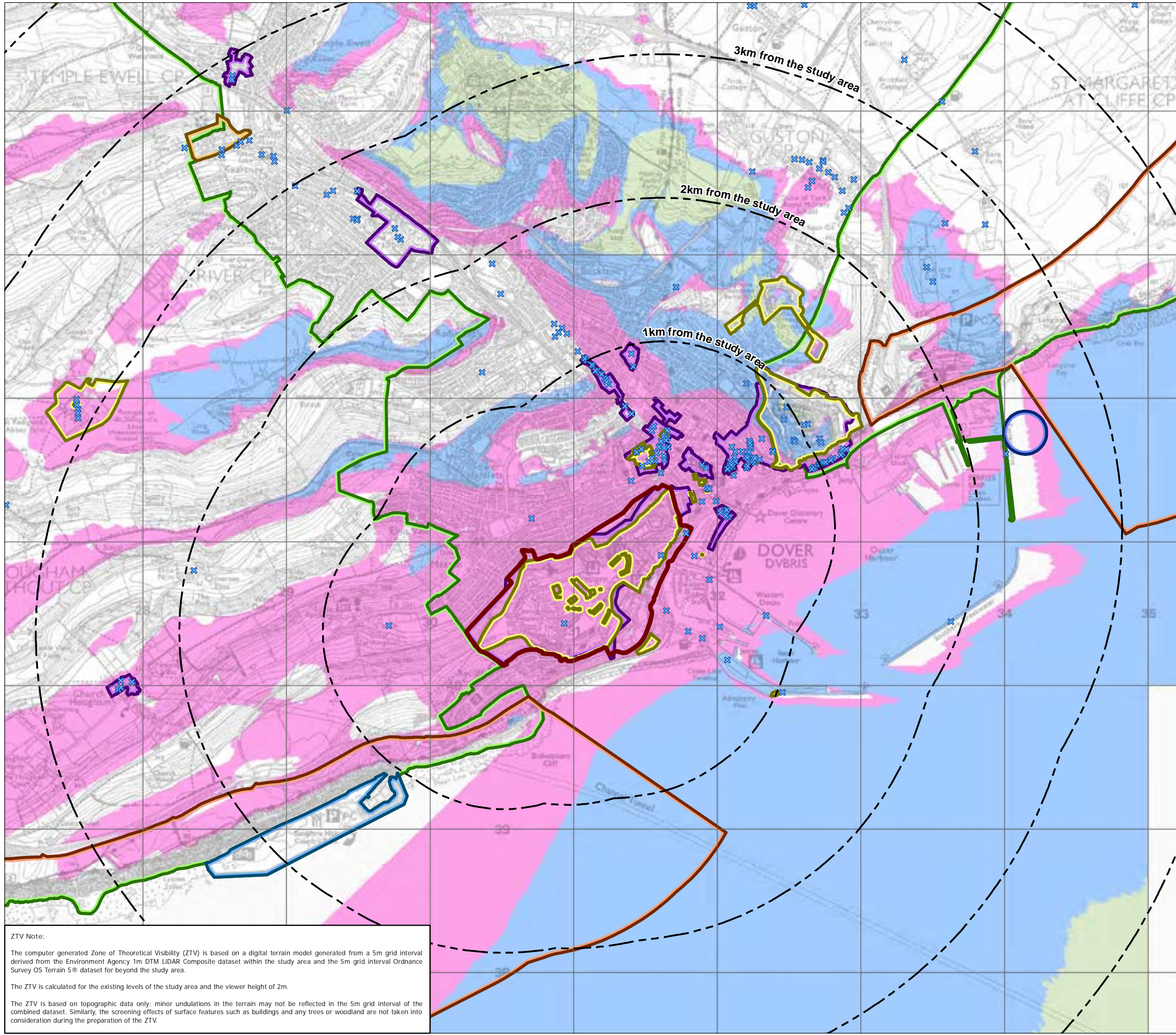
North

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Bare Earth Analysis

HL.24-1

- Overall Study Area

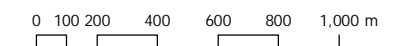


Key

- Study area
- 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Saphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

Zone of Theoretical Visibility :

- Bare Earth Analysis
- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



Scale @ A3 - 1:25,000



ZTV Note:  
The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DTM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.  
The ZTV is calculated for the existing levels of the study area and the viewer height of 2m.  
The ZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the ZTV.

A099905 HL24-1 ZTV Earth - Overall Study Area.mxd  
March 2017

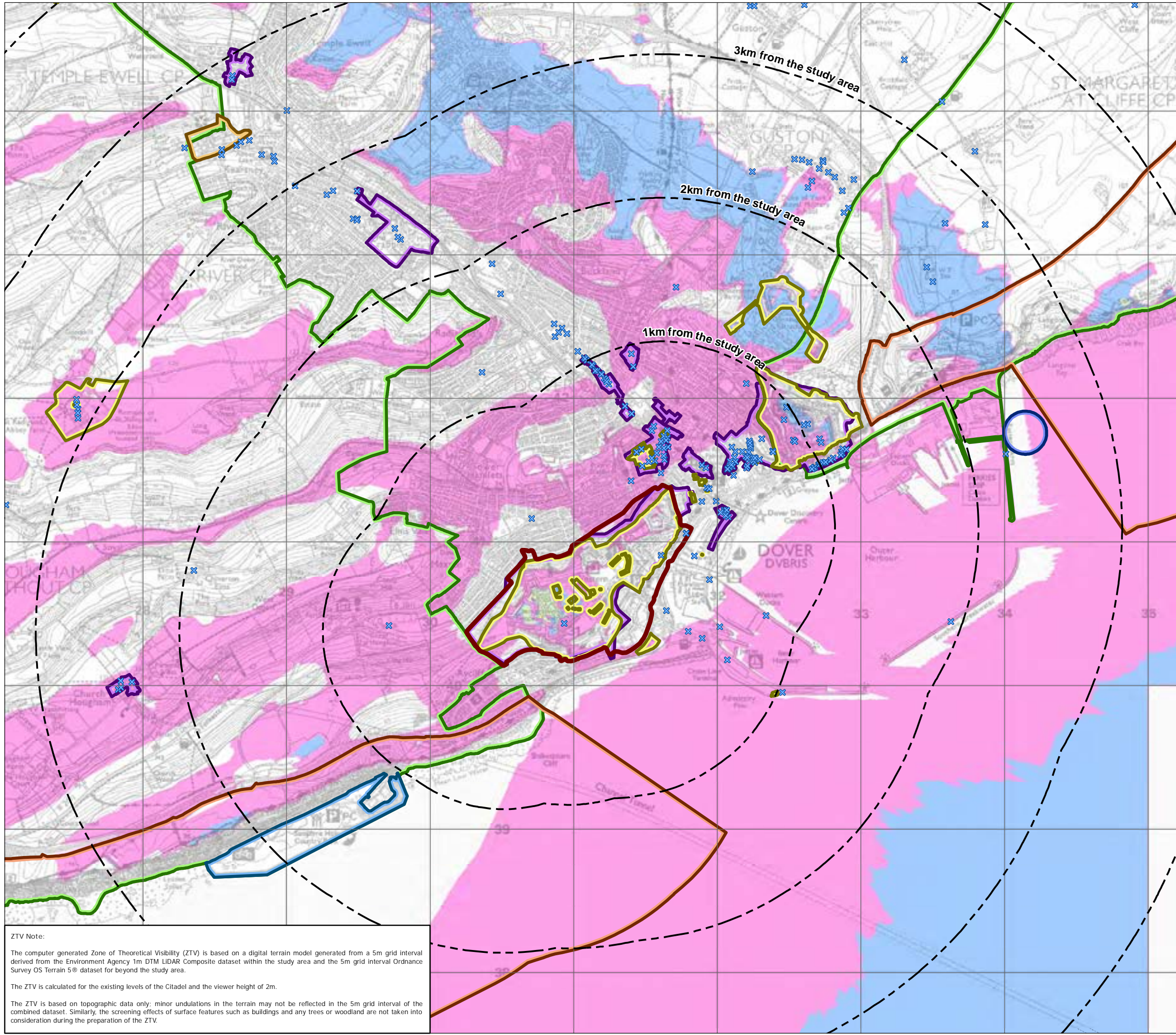
5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD  
+44 (0)29 2082 9200 cardiff@wyg.com www.wyg.com

Western Heights  
Combined Heritage and  
Landscape Appraisal

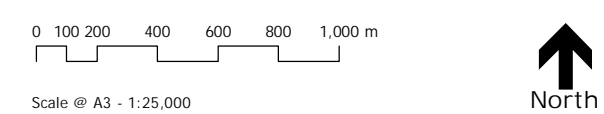
Zone of Theoretical Visibility :  
Bare Earth Analysis

HL.24-2

- Citadel



- Key**
- Study area
  - 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Sapphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings
- Zone of Theoretical Visibility :**
- Bare Earth Analysis
- 61 - 80% of points visible
  - 41 - 60% of points visible
  - 21 - 40% of points visible
  - 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DTM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5© dataset for beyond the study area.

The ZTV is calculated for the existing levels of the Citadel and the viewer height of 2m.

The ZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the ZTV.

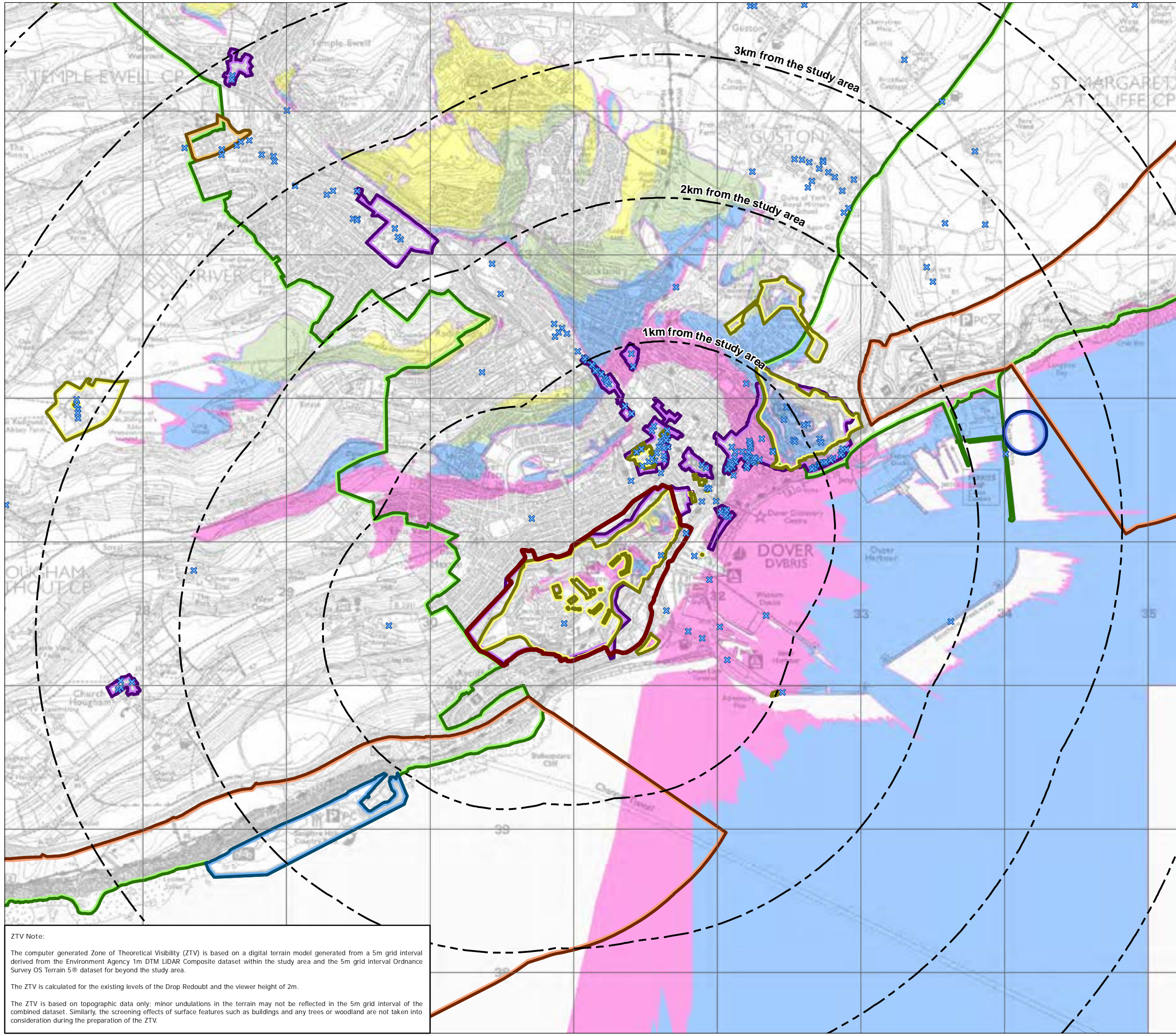


Western Heights  
Combined Heritage and  
Landscape Appraisal

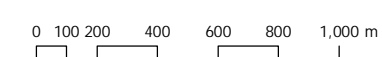
Zone of Theoretical Visibility :  
Bare Earth Analysis

HL.24-3

- Drop Redoubt



- Key**
- Study area
  - 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Samphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings
- Zone of Theoretical Visibility :**
- Bare Earth Analysis
- 81 - 100% of points visible
  - 61 - 80% of points visible
  - 41 - 60% of points visible
  - 21 - 40% of points visible
  - 1 - 20% of points visible



Scale @ A3 - 1:25,000



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DTM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

The ZTV is calculated for the existing levels of the Drop Redoubt and the viewer height of 2m.

The ZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the ZTV.

A099905 HL24-3 ZTV Earth - Drop Redoubt.mxd

March 2017

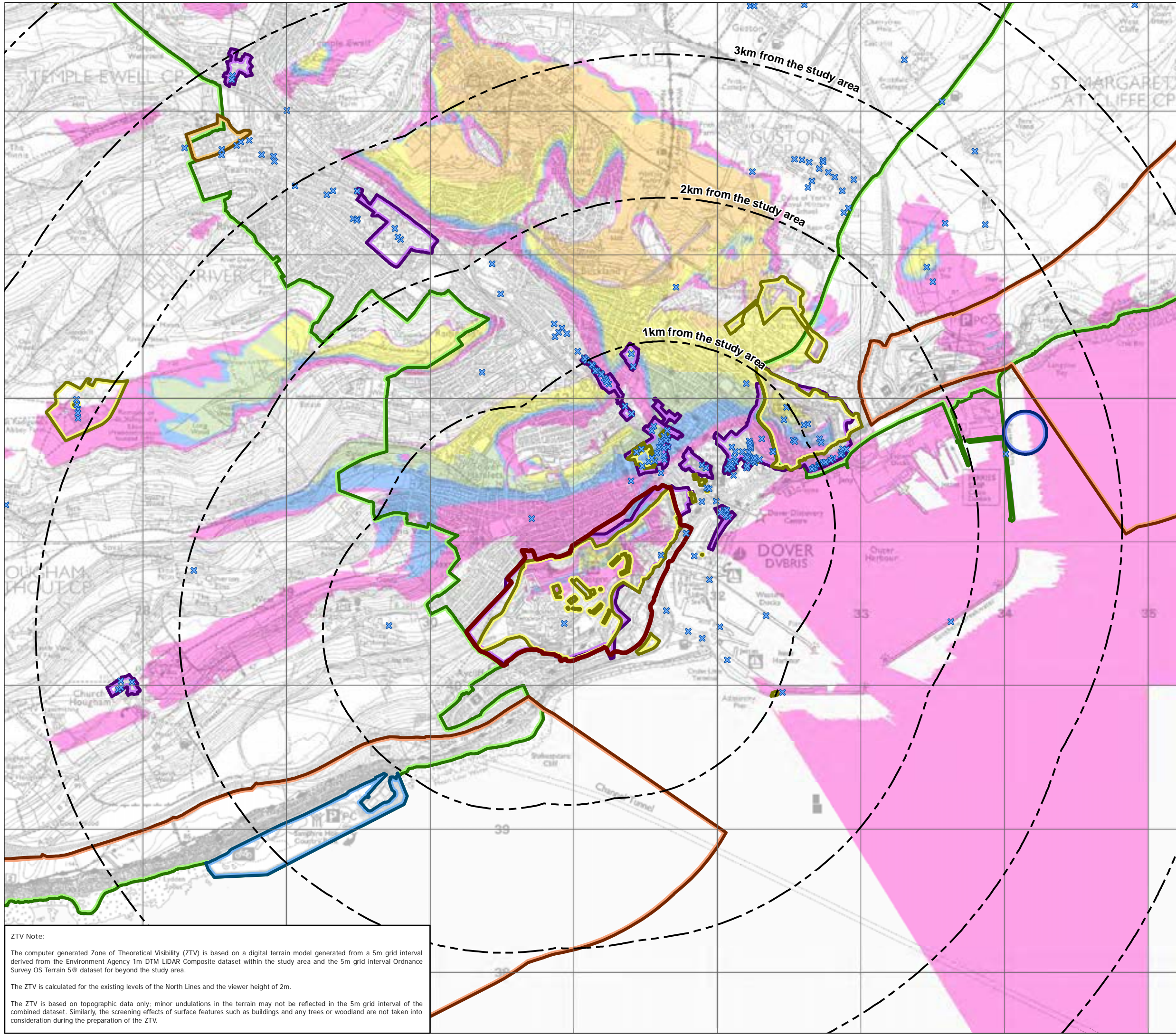
5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD  
 ☎ +44 (0)29 2082 9200 ✉ cardiff@wyg.com 🌐 www.wyg.com

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Bare Earth Analysis

HL.24-4

- North Lines



**Key**

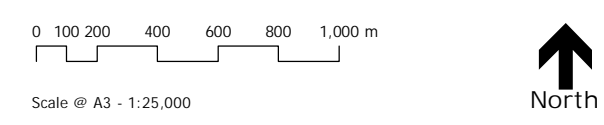
- Study area
- 1km buffers from study area

**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Saphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :  
- Bare Earth Analysis**

- 81 - 100% of points visible
- 61 - 80% of points visible
- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DTM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5© dataset for beyond the study area.

The ZTV is calculated for the existing levels of the North Lines and the viewer height of 2m.

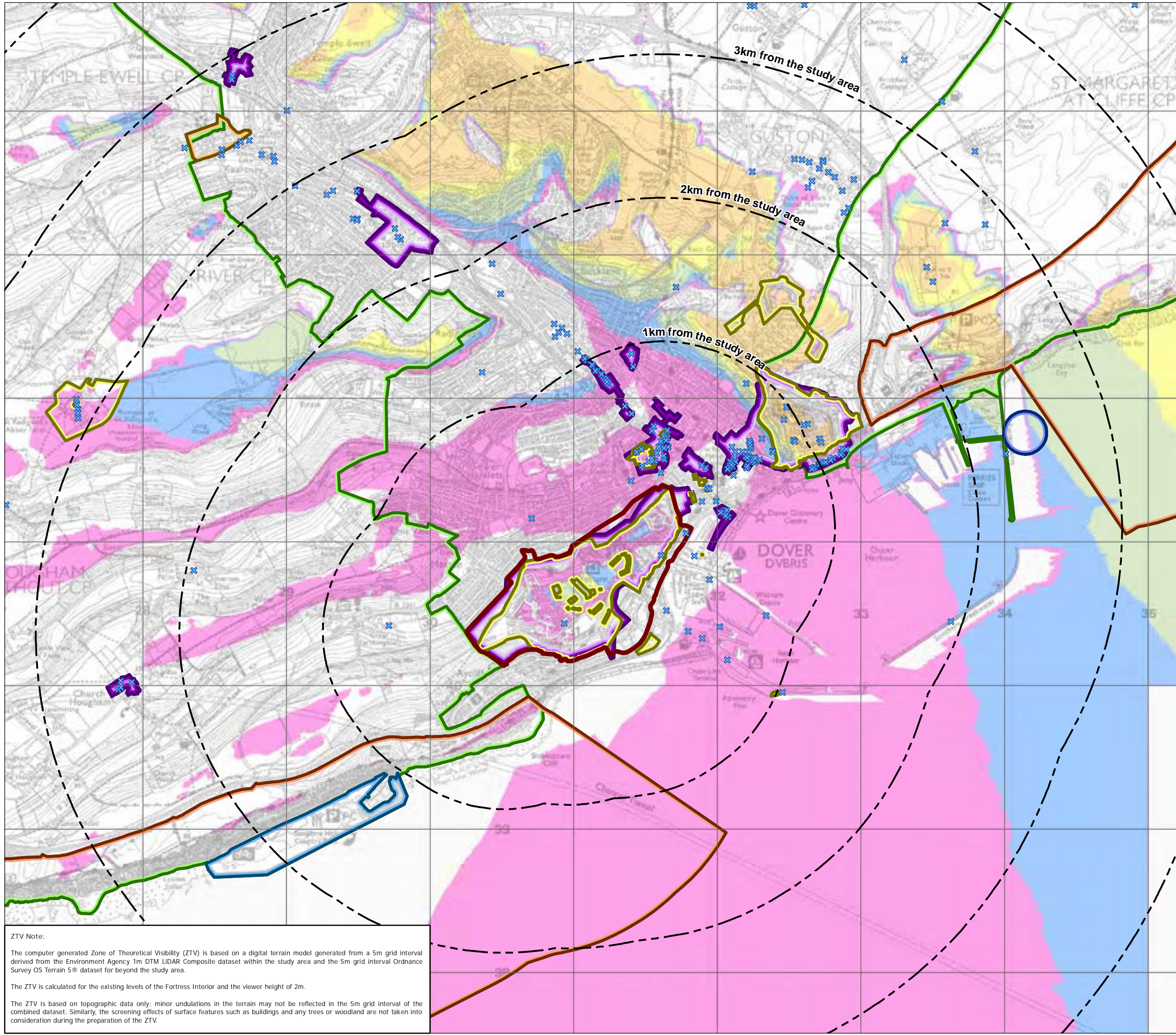
The ZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the ZTV.

Western Heights  
Combined Heritage and  
Landscape Appraisal

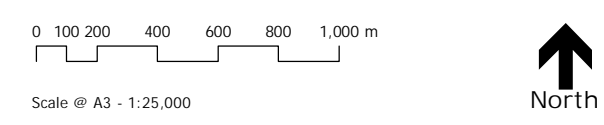
Zone of Theoretical Visibility :  
Bare Earth Analysis

HL.24-5

- Fortress Interior



- Key**
- Study area
  - 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Saphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings
- Zone of Theoretical Visibility :**
- Bare Earth Analysis
- 81 - 100% of points visible
  - 61 - 80% of points visible
  - 41 - 60% of points visible
  - 21 - 40% of points visible
  - 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DTM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

The ZTV is calculated for the existing levels of the Fortress Interior and the viewer height of 2m.

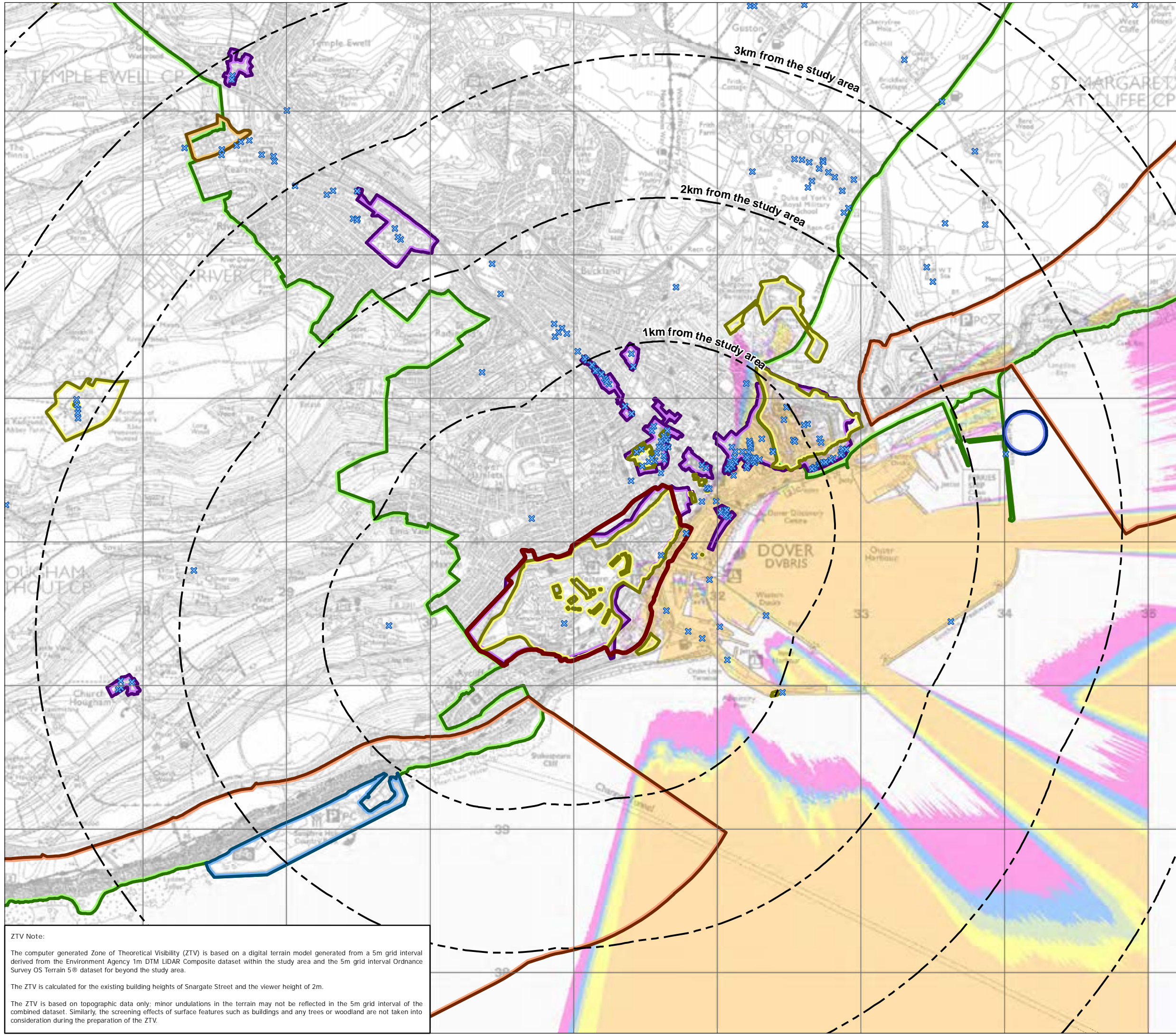
The ZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the ZTV.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Bare Earth Analysis

HL.24-6

- Snargate Street



**Key**

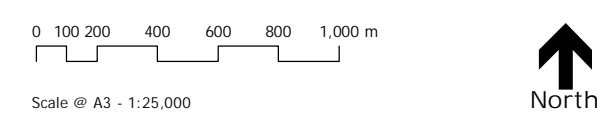
- Study area
- 1km buffers from study area

**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Samphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :  
- Bare Earth Analysis**

- 81 - 100% of points visible
- 61 - 80% of points visible
- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



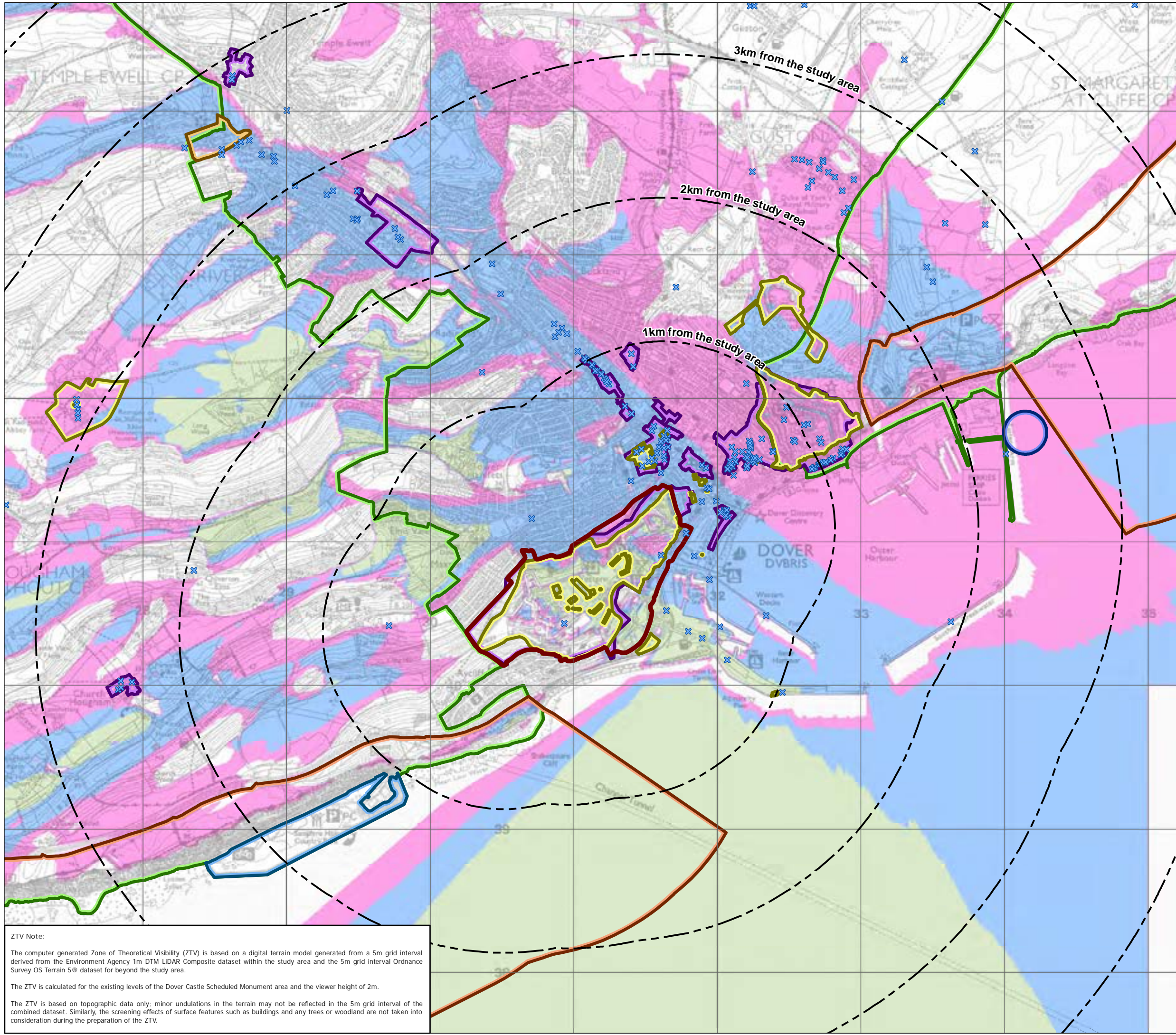
**ZTV Note:**  
The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DTM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.  
The ZTV is calculated for the existing building heights of Snargate Street and the viewer height of 2m.  
The ZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the ZTV.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Bare Earth Analysis

HL.24-7

- Dover Castle  
Scheduled Monument



**Key**

- Study area
- 1km buffers from study area

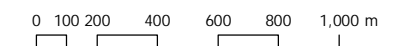
**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Samphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :**

- Bare Earth Analysis

- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



Scale @ A3 - 1:25,000



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DTM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5<sup>®</sup> dataset for beyond the study area.

The ZTV is calculated for the existing levels of the Dover Castle Scheduled Monument area and the viewer height of 2m.

The ZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the ZTV.

A099905 HL24-7 ZTV Earth -  
Dover Castle.mxd

March 2017

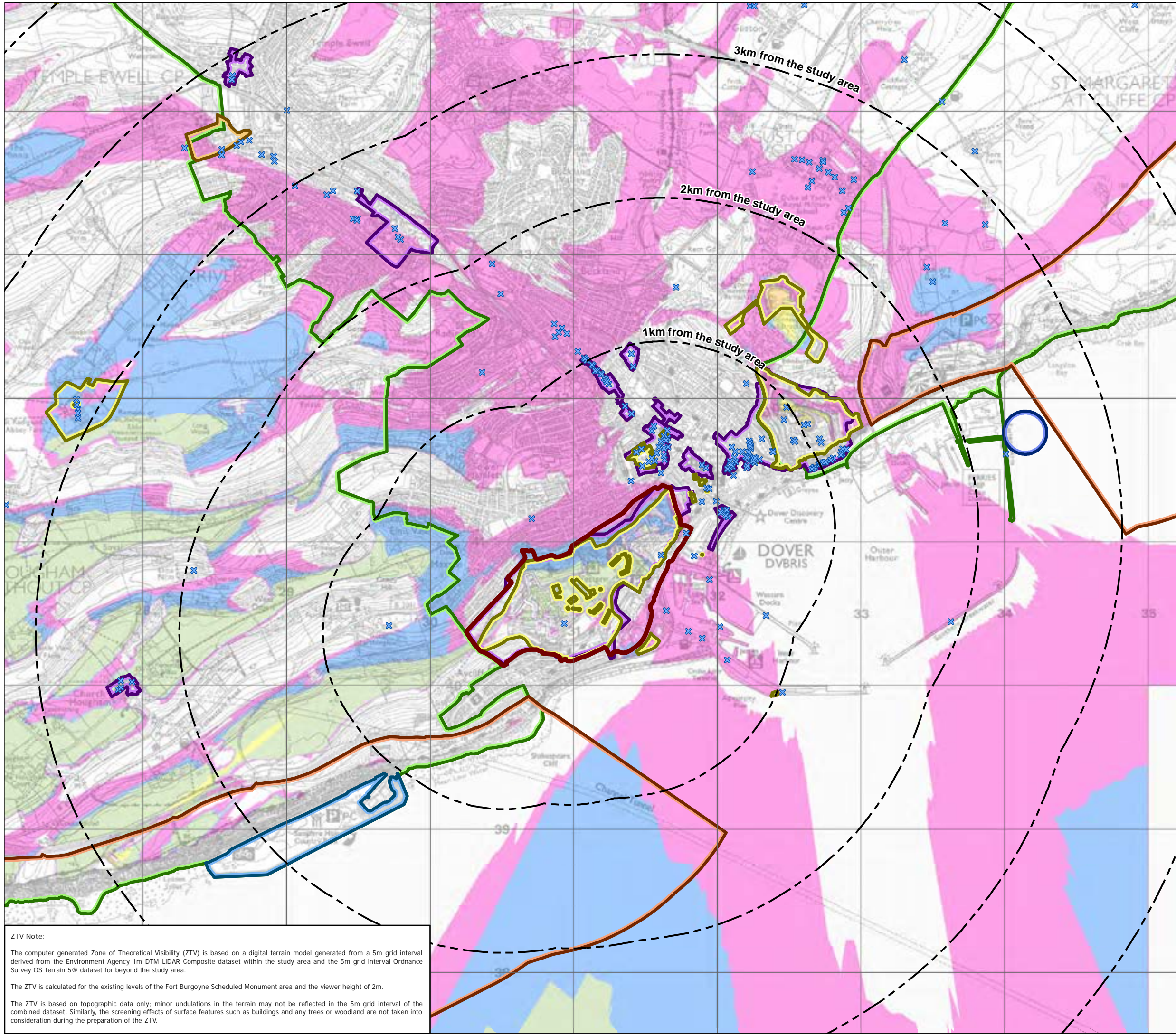
5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD  
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Western Heights  
Combined Heritage and  
Landscape Appraisal

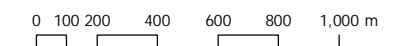
Zone of Theoretical Visibility :  
Bare Earth Analysis

HL.24-8

- Fort Burgoyne  
Scheduled Monument



- Key**
- Study area
  - 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Samphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings
- Zone of Theoretical Visibility :  
- Bare Earth Analysis**
- 81 - 100% of points visible
  - 61 - 80% of points visible
  - 41 - 60% of points visible
  - 21 - 40% of points visible
  - 1 - 20% of points visible



Scale @ A3 - 1:25,000

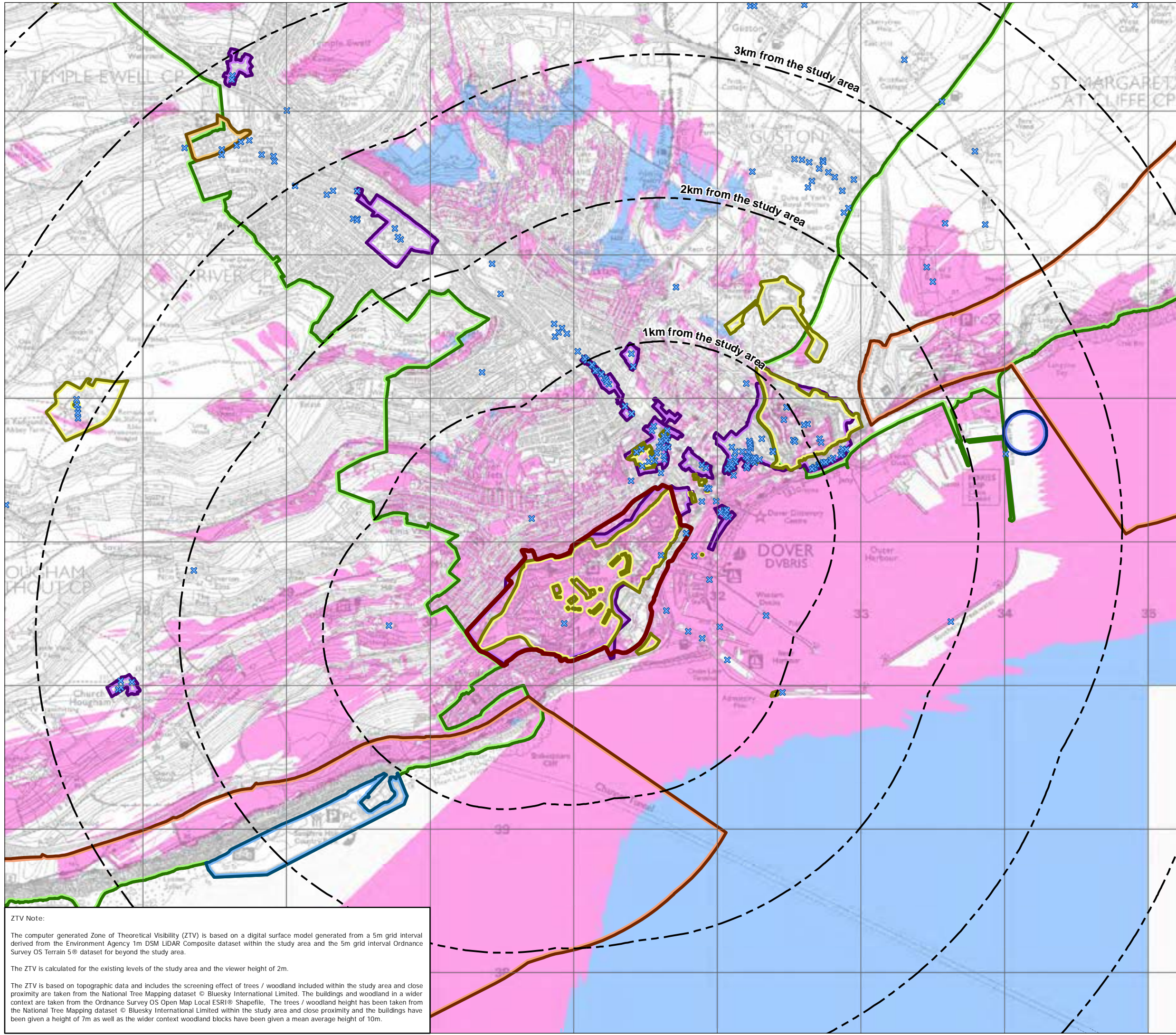


**ZTV Note:**  
The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DTM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.  
The ZTV is calculated for the existing levels of the Fort Burgoyne Scheduled Monument area and the viewer height of 2m.  
The ZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the ZTV.

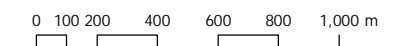
Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Screening Features Analysis

- Overall Study Area



- Key**
- Study area
  - 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Sapphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings
- Zone of Theoretical Visibility :**
- Screening Features Analysis
  - 21 - 40% of points visible
  - 1 - 20% of points visible



Scale @ A3 - 1:25,000



A099905 HL25-1 ZTV Screen - Overall Study Area.mxd March 2017

5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD  
 ☎ +44 (0)29 2082 9200 ✉ cardiff@wyg.com 🌐 www.wyg.com

**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

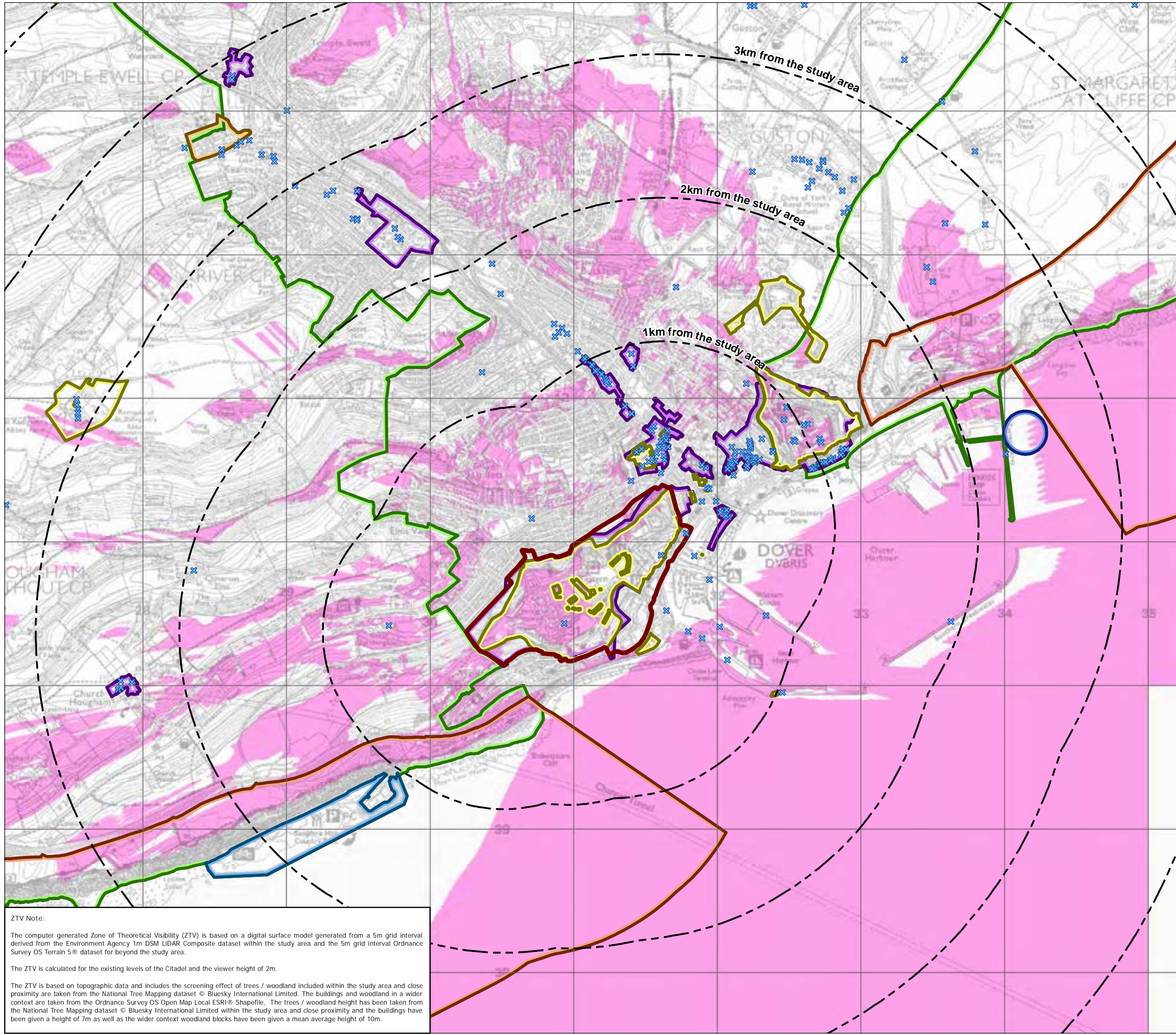
The ZTV is calculated for the existing levels of the study area and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Screening Features Analysis

- Citadel



**Key**

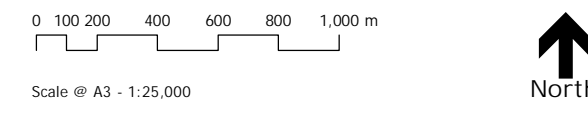
- Study area
- 1km buffers from study area

**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Saphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :**

- Screening Features Analysis
- 21 - 40% of points visible
- 1 - 20% of points visible



A099905 HL25-2 ZTV Screen - Citadel.mxd March 2017

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**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5<sup>®</sup> dataset for beyond the study area.

The ZTV is calculated for the existing levels of the Citadel and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI<sup>®</sup> Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

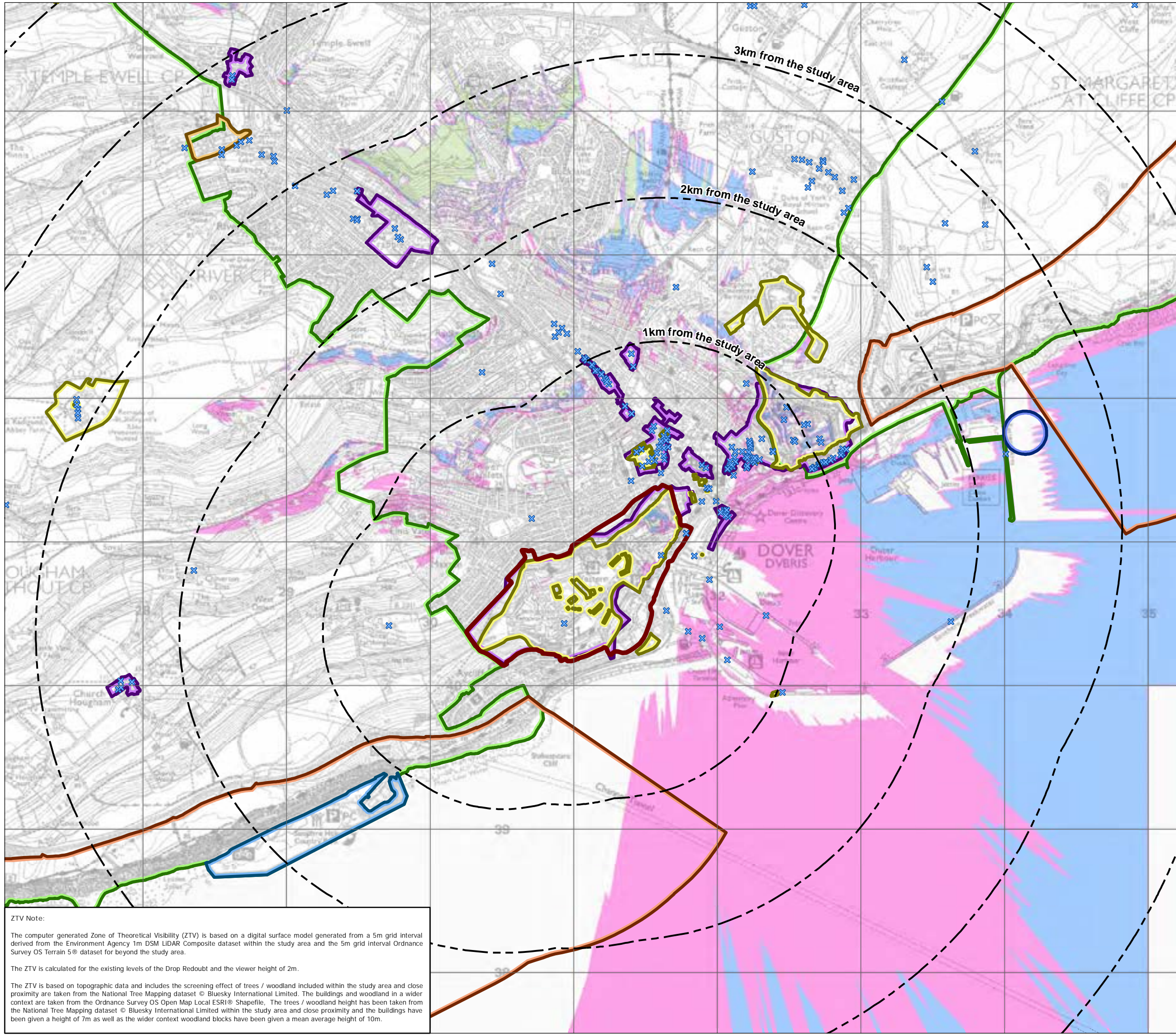




Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Screening Features Analysis

- Drop Redoubt



**Key**

- Study area
- 1km buffers from study area

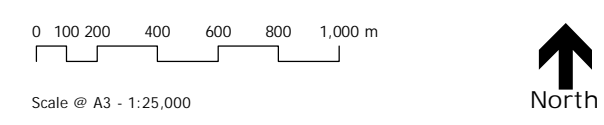
**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Sapphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :**

- Screening Features Analysis

- 61 - 80% of points visible
- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

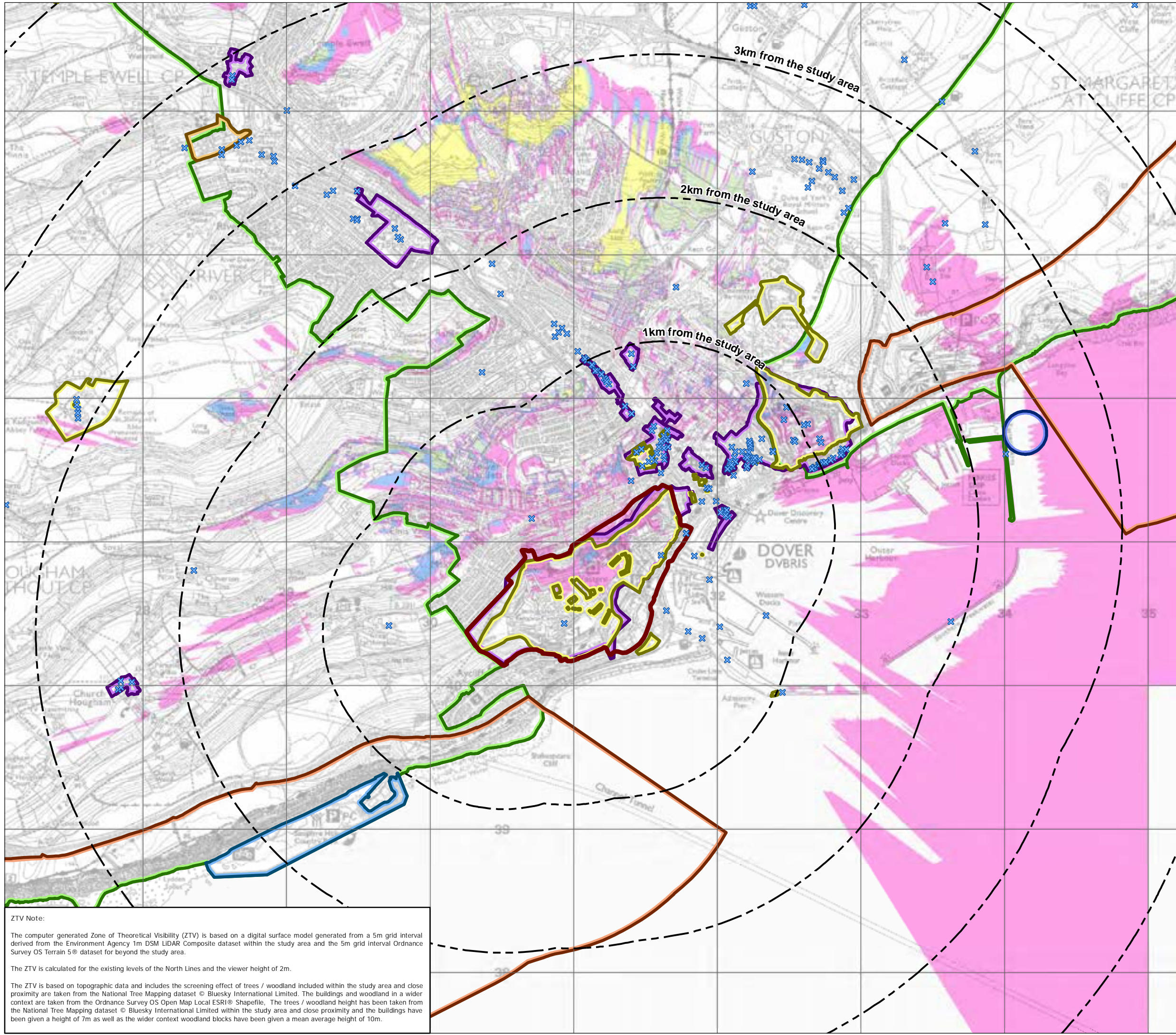
The ZTV is calculated for the existing levels of the Drop Redoubt and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Screening Features Analysis

- North Lines



**Key**

- Study area
- 1km buffers from study area

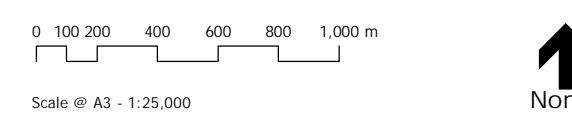
**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Sapphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :**

- Screening Features Analysis

- 61 - 80% of points visible
- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5<sup>®</sup> dataset for beyond the study area.

The ZTV is calculated for the existing levels of the North Lines and the viewer height of 2m.

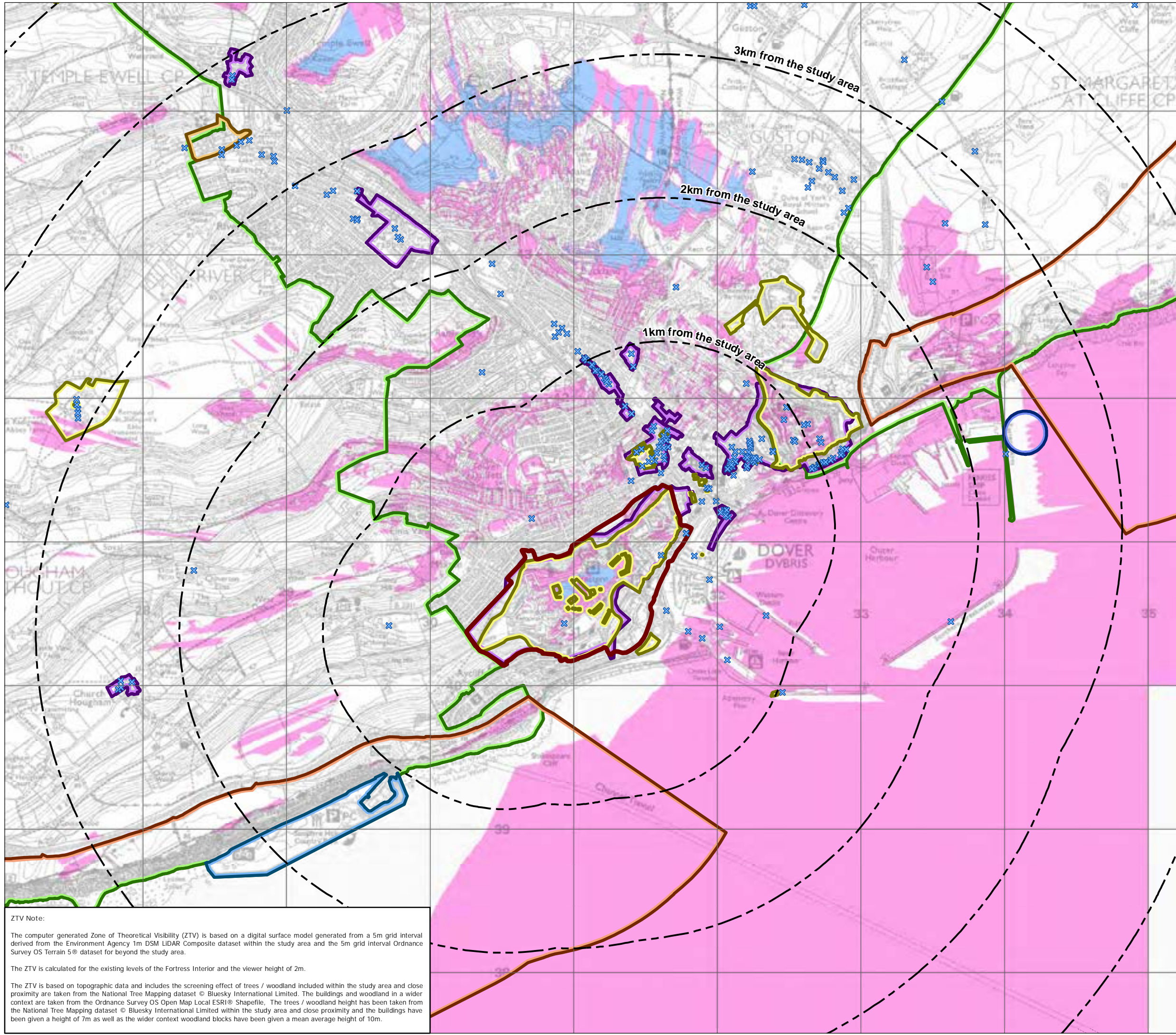
The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI<sup>®</sup> Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

Western Heights  
Combined Heritage and  
Landscape Appraisal

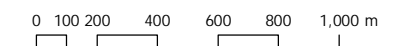
Zone of Theoretical Visibility :  
Screening Features Analysis

HL.25-5

- Fortress Interior



- Key**
-  Study area
  -  1km buffers from study area
- Landscape and Heritage Designations :**
-  'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  -  'Sapphire Hoe' Country Park
  -  Conservation Areas
  -  Heritage Coasts
  -  'Kearsney Court' Registered Park And Garden
  -  Scheduled Monuments
  -  'Langdon Bay' Protected Wreck
  -  Listed Buildings
- Zone of Theoretical Visibility :**
- Screening Features Analysis
  -  21 - 40% of points visible
  -  1 - 20% of points visible



Scale @ A3 - 1:25,000



A099905 HL25-5 ZTV Screen -  
Fortress Interior.mxd March 2017

5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD  
☎ +44 (0)29 2082 9200 ✉ cardiff@wyg.com 🌐 www.wyg.com

**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

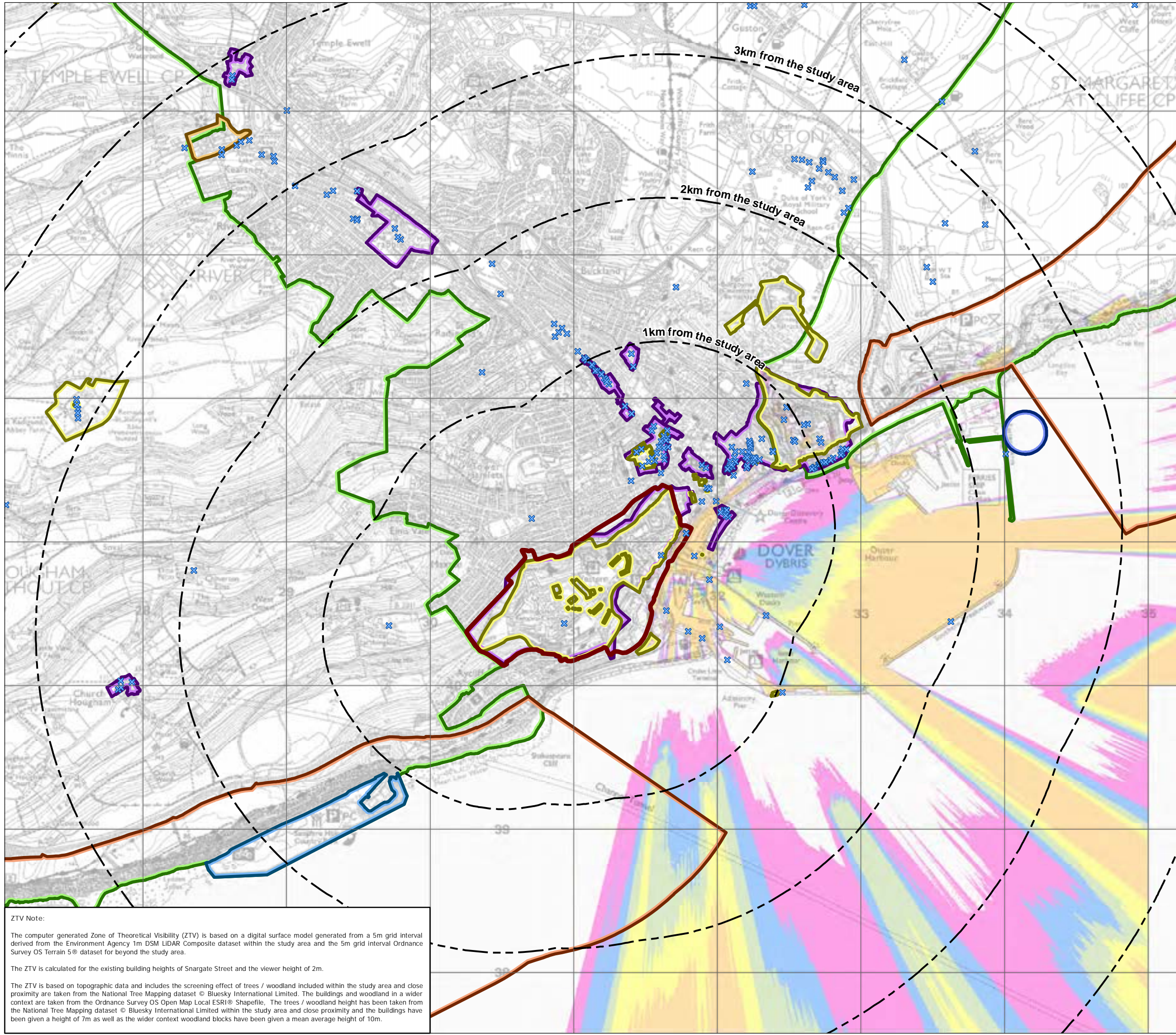
The ZTV is calculated for the existing levels of the Fortress Interior and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapfile. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Screening Features Analysis

- Snargate Street



**Key**

- Study area
- 1km buffers from study area

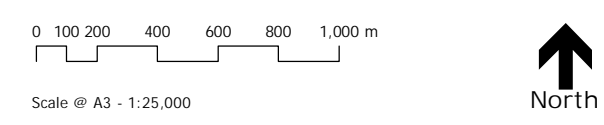
**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Samphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :**

- Screening Features Analysis

- 81 - 100% of points visible
- 61 - 80% of points visible
- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

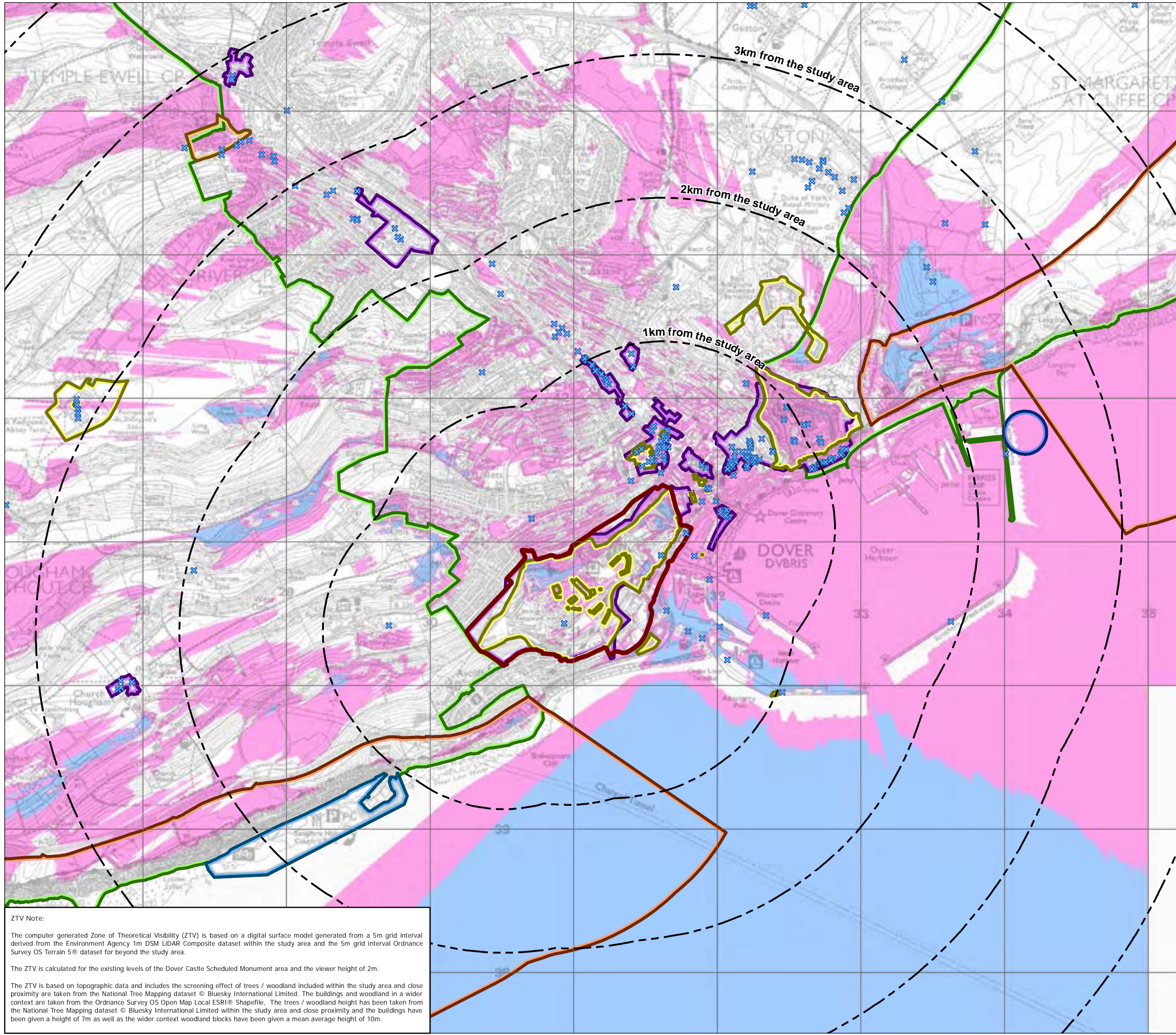
The ZTV is calculated for the existing building heights of Snargate Street and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Screening Features Analysis

- Dover Castle  
Scheduled Monument



**Key**

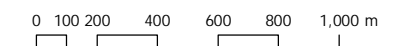
- Study area
- 1km buffers from study area

**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Sapphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :**

- Screening Features Analysis
- 21 - 40% of points visible
- 1 - 20% of points visible



Scale @ A3 - 1:25,000



A099905 HL25-7 ZTV Screen -  
Dover Castle.mxd March 2017

5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD  
☎ +44 (0)29 2082 9200 ✉ cardiff@wyg.com 🌐 www.wyg.com

**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

The ZTV is calculated for the existing levels of the Dover Castle Scheduled Monument area and the viewer height of 2m.

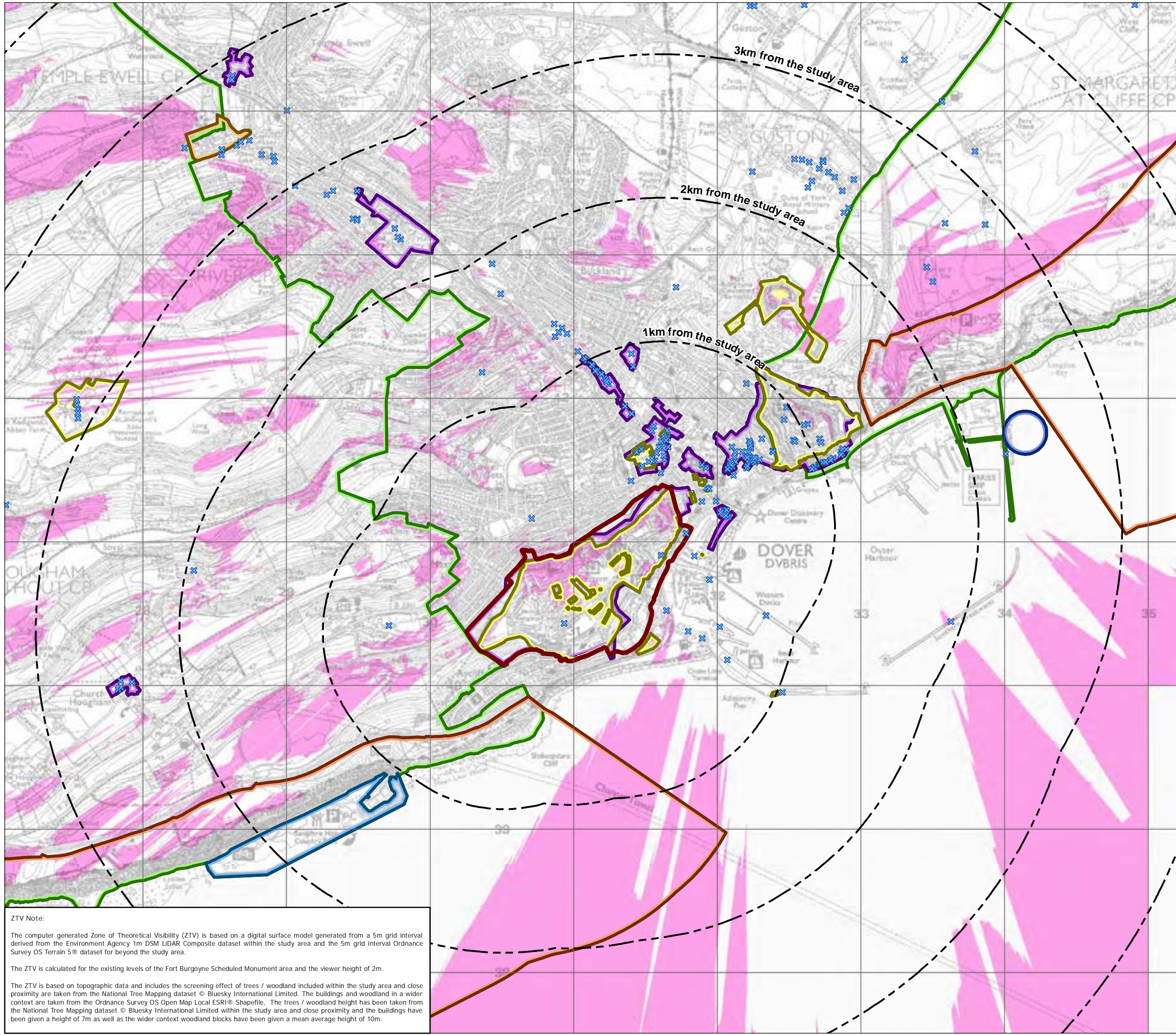
The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapfile. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Screening Features Analysis

HL.25-8

- Fort Burgoyne  
Scheduled Monument



**Key**

- Study area
- 1km buffers from study area

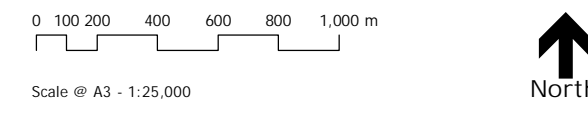
**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Sapphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :**

- Screening Features Analysis

- 61 - 80% of points visible
- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

The ZTV is calculated for the existing levels of the Fort Burgoyne Scheduled Monument area and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapelfile. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

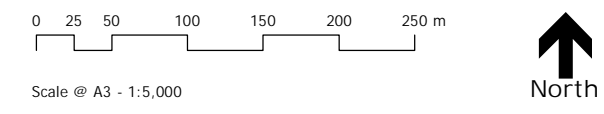
Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of  
Theoretical Visibility :  
Vegetation Removal Plan  
for ZTV Analysis HL.26



Key

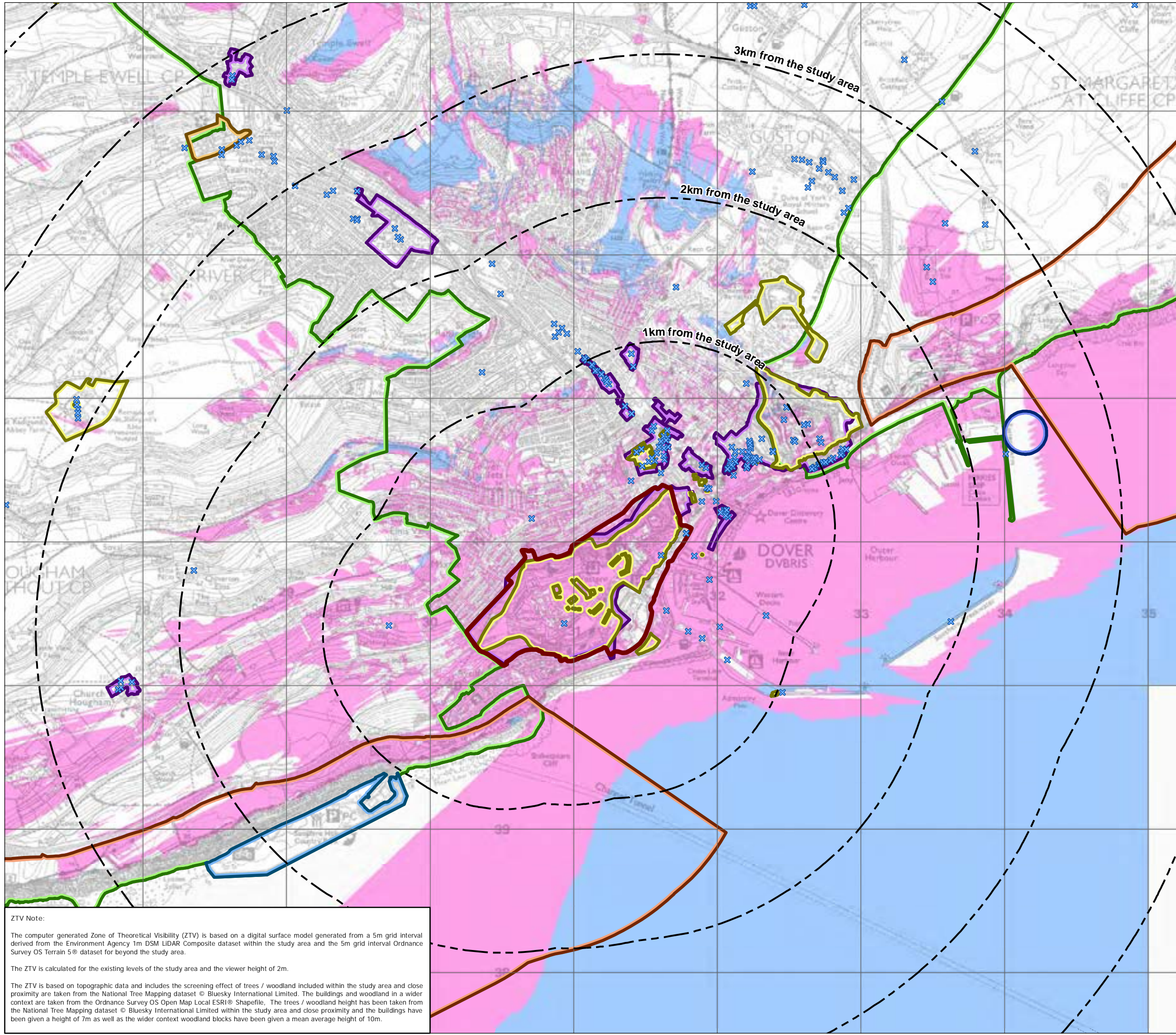
- The study area
- Contours @ 10m intervals AOD
- National Tree Map Data :
  - Trees / Woodland theoretically removed within the study area for the ZTV analysis
  - Trees / Woodland theoretically retained within the study area for the ZTV analysis
  - Trees / Woodland outside the study area












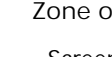


Western Heights  
Combined Heritage and  
Landscape Appraisal

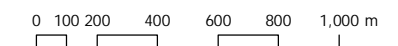
Zone of Theoretical Visibility :  
Vegetation Removal Analysis

- Overall Study Area



Key

-  Study area
-  1km buffers from study area
- Landscape and Heritage Designations :**
-  'Kent Downs' Area of Outstanding Natural Beauty (AONB)
-  'Sapphire Hoe' Country Park
-  Conservation Areas
-  Heritage Coasts
-  'Kearsney Court' Registered Park And Garden
-  Scheduled Monuments
-  'Langdon Bay' Protected Wreck
-  Listed Buildings
- Zone of Theoretical Visibility :**
- Screening Features Analysis**
-  21 - 40% of points visible
-  1 - 20% of points visible



Scale @ A3 - 1:25,000



A099905 HL27-1 ZTV Veg Removal - Overall Study March 2017

5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD  
 ☎ +44 (0)29 2082 9200 ✉ cardiff@wyg.com 🌐 www.wyg.com

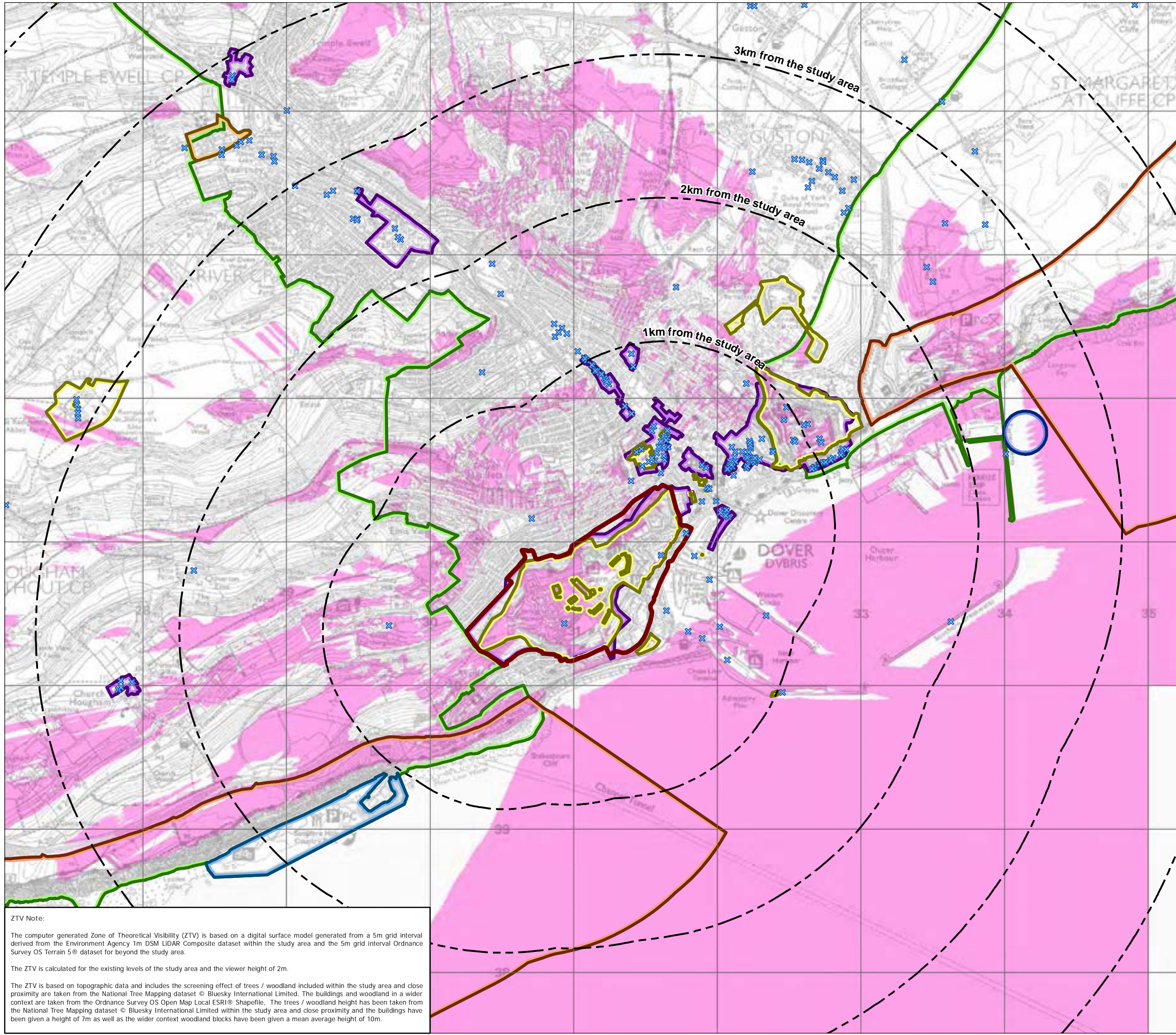
**ZTV Note:**  
 The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.  
 The ZTV is calculated for the existing levels of the study area and the viewer height of 2m.  
 The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.



Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Vegetation Removal Analysis


- Citadel



**Key**

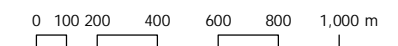
-  Study area
-  1km buffers from study area

**Landscape and Heritage Designations :**

-  'Kent Downs' Area of Outstanding Natural Beauty (AONB)
-  'Sapphire Hoe' Country Park
-  Conservation Areas
-  Heritage Coasts
-  'Kearsney Court' Registered Park And Garden
-  Scheduled Monuments
-  'Langdon Bay' Protected Wreck
-  Listed Buildings

**Zone of Theoretical Visibility :**

- Vegetation Removal Analysis
-  21 - 40% of points visible
-  1 - 20% of points visible



Scale @ A3 - 1:25,000



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5<sup>®</sup> dataset for beyond the study area.

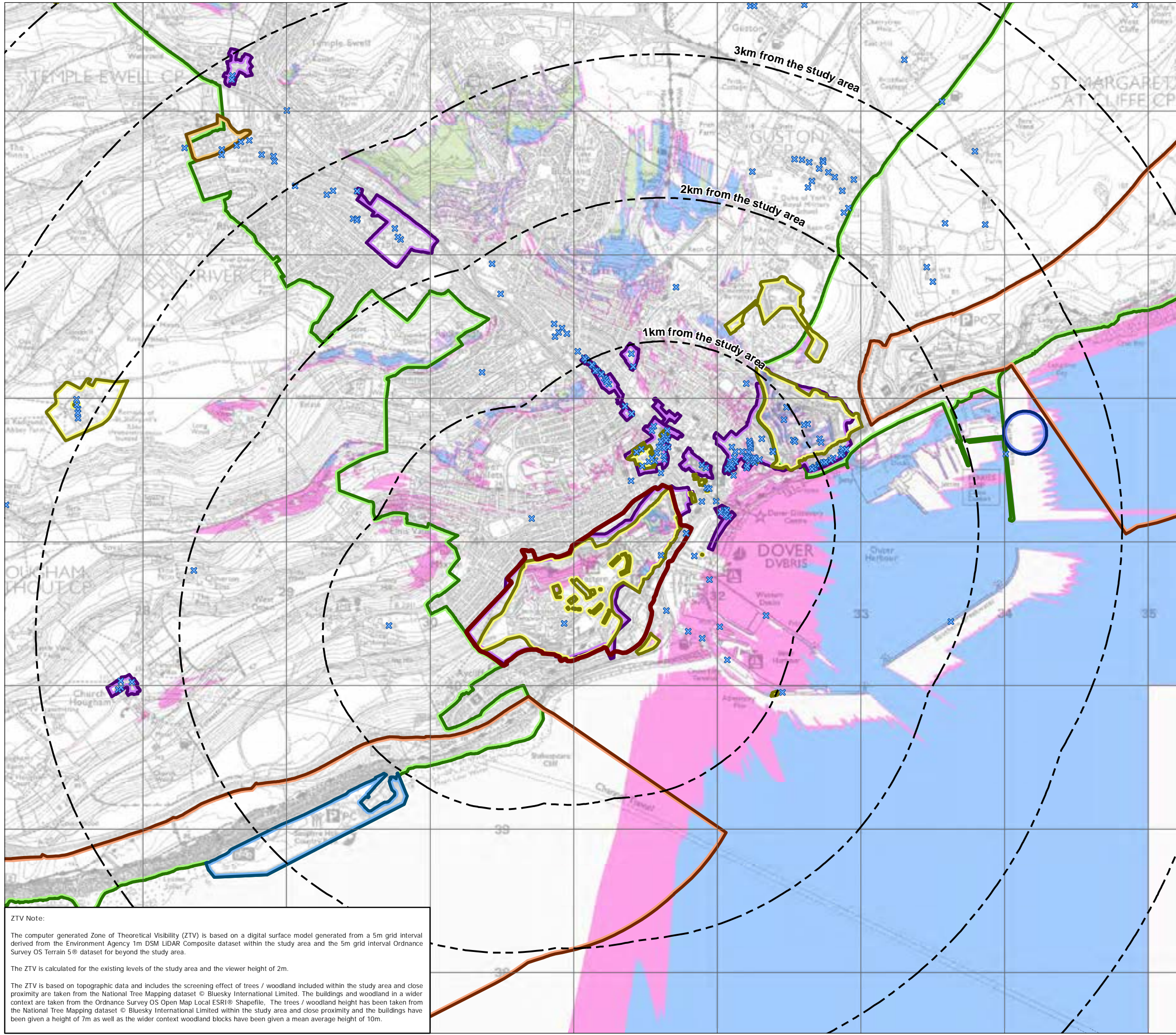
The ZTV is calculated for the existing levels of the study area and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI<sup>®</sup> Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

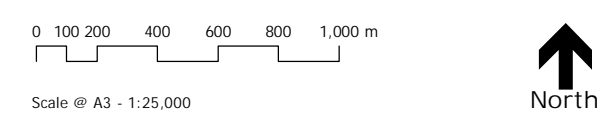
Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Vegetation Removal Analysis

- Drop Redoubt



- Key**
- Study area
  - 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Samphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings
- Zone of Theoretical Visibility :**
- Vegetation Removal Analysis
- 61 - 80% of points visible
  - 41 - 60% of points visible
  - 21 - 40% of points visible
  - 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5<sup>®</sup> dataset for beyond the study area.

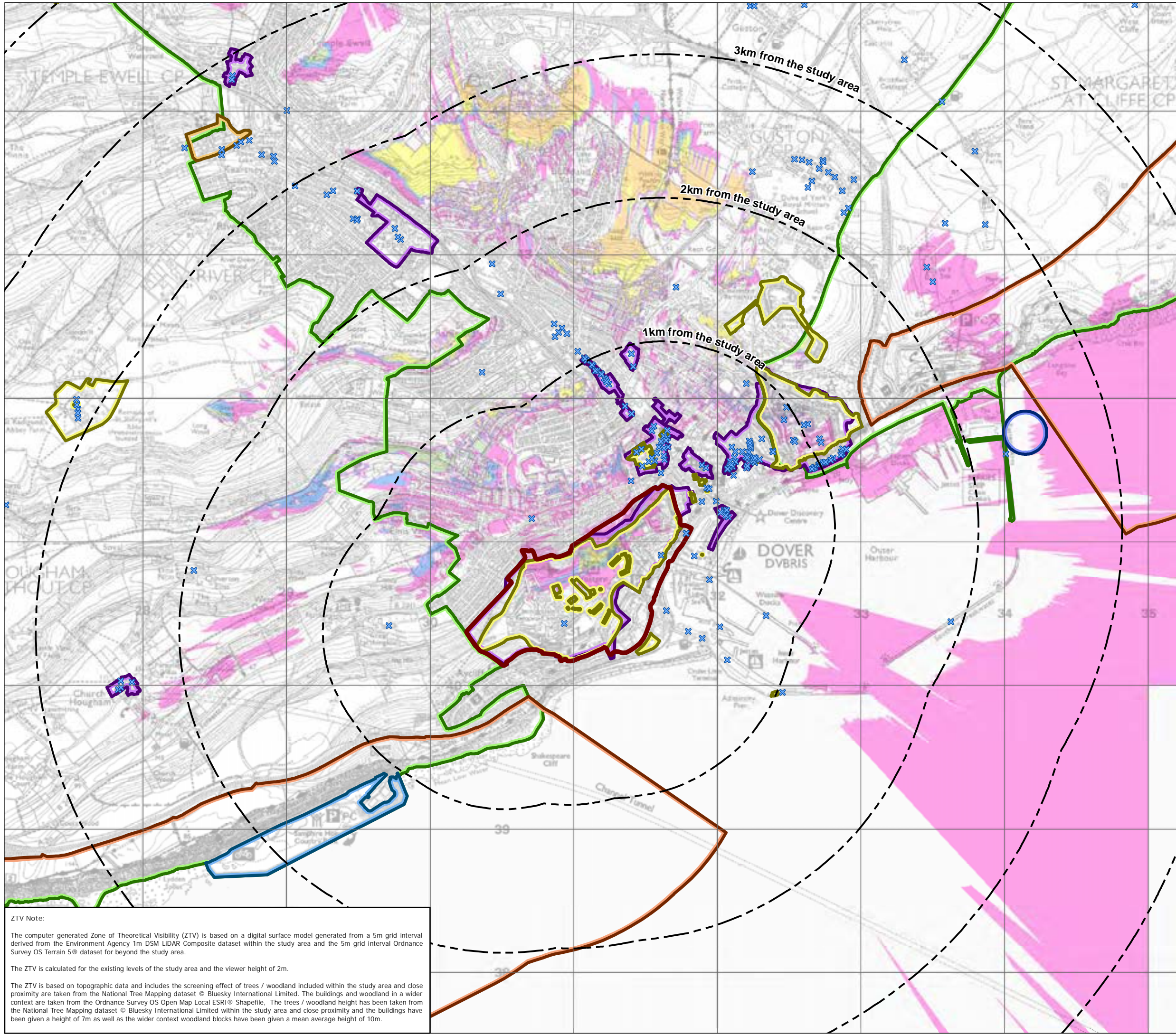
The ZTV is calculated for the existing levels of the study area and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI<sup>®</sup> Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Vegetation Removal Analysis

- North Lines



**Key**

- Study area
- 1km buffers from study area

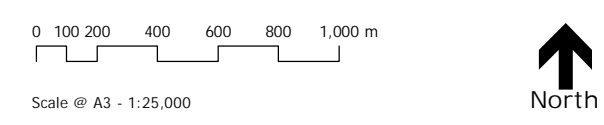
**Landscape and Heritage Designations :**

- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
- 'Samphire Hoe' Country Park
- Conservation Areas
- Heritage Coasts
- 'Kearsney Court' Registered Park And Garden
- Scheduled Monuments
- 'Langdon Bay' Protected Wreck
- Listed Buildings

**Zone of Theoretical Visibility :**

- Vegetation Removal Analysis

- 81 - 100% of points visible
- 61 - 80% of points visible
- 41 - 60% of points visible
- 21 - 40% of points visible
- 1 - 20% of points visible



**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

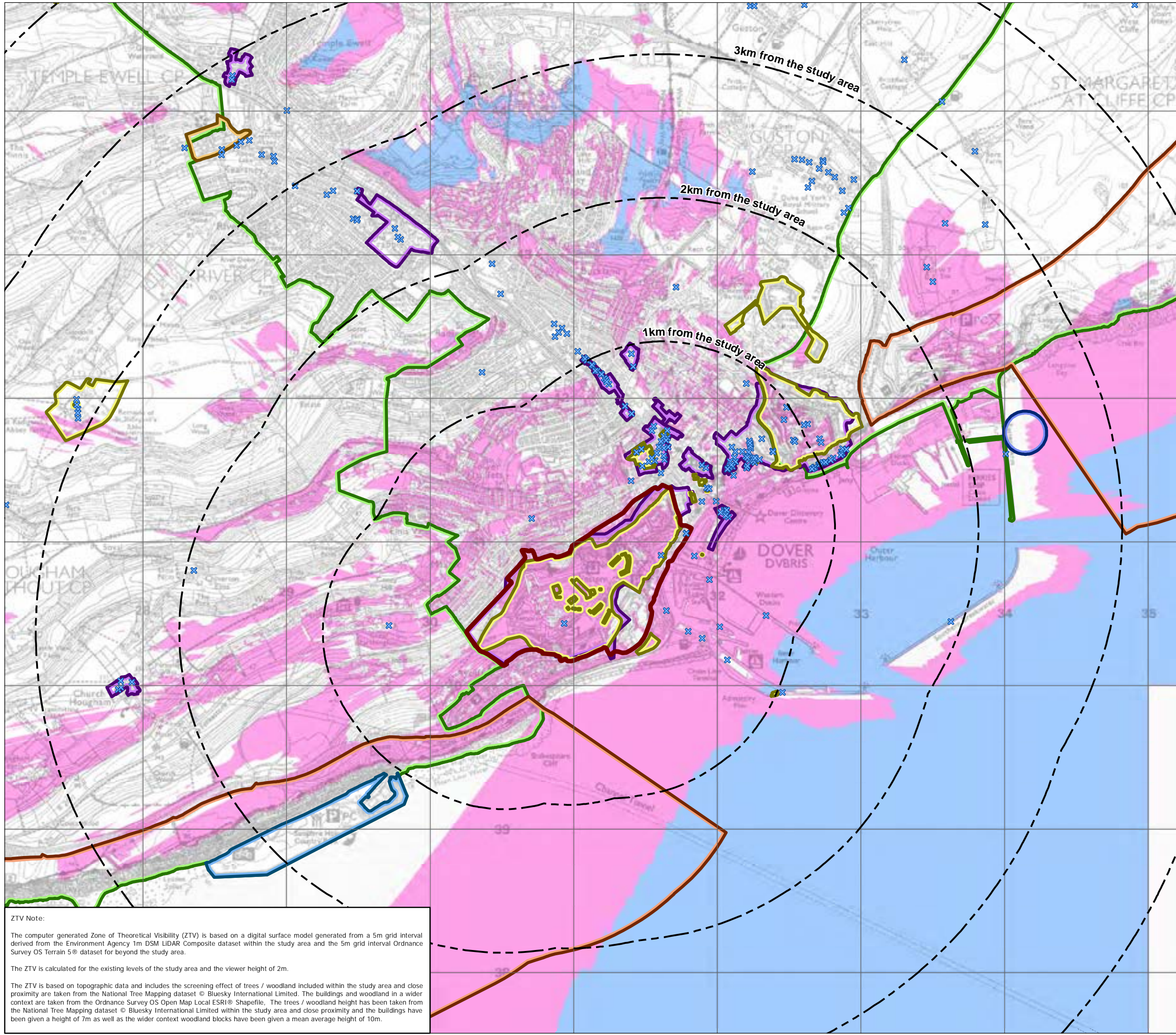
The ZTV is calculated for the existing levels of the study area and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

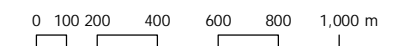
Western Heights  
Combined Heritage and  
Landscape Appraisal

Zone of Theoretical Visibility :  
Vegetation Removal Analysis

- Fortress Interior



- Key**
- Study area
  - 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Sapphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings
- Zone of Theoretical Visibility :**
- Vegetation Removal Analysis
  - 21 - 40% of points visible
  - 1 - 20% of points visible



Scale @ A3 - 1:25,000

A099905 HL27-5 ZTV Veg Removal - Fortress March 2017

5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD  
 ☎ +44 (0)29 2082 9200 ✉ cardiff@wyg.com 🌐 www.wyg.com

**ZTV Note:**

The computer generated Zone of Theoretical Visibility (ZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5<sup>®</sup> dataset for beyond the study area.

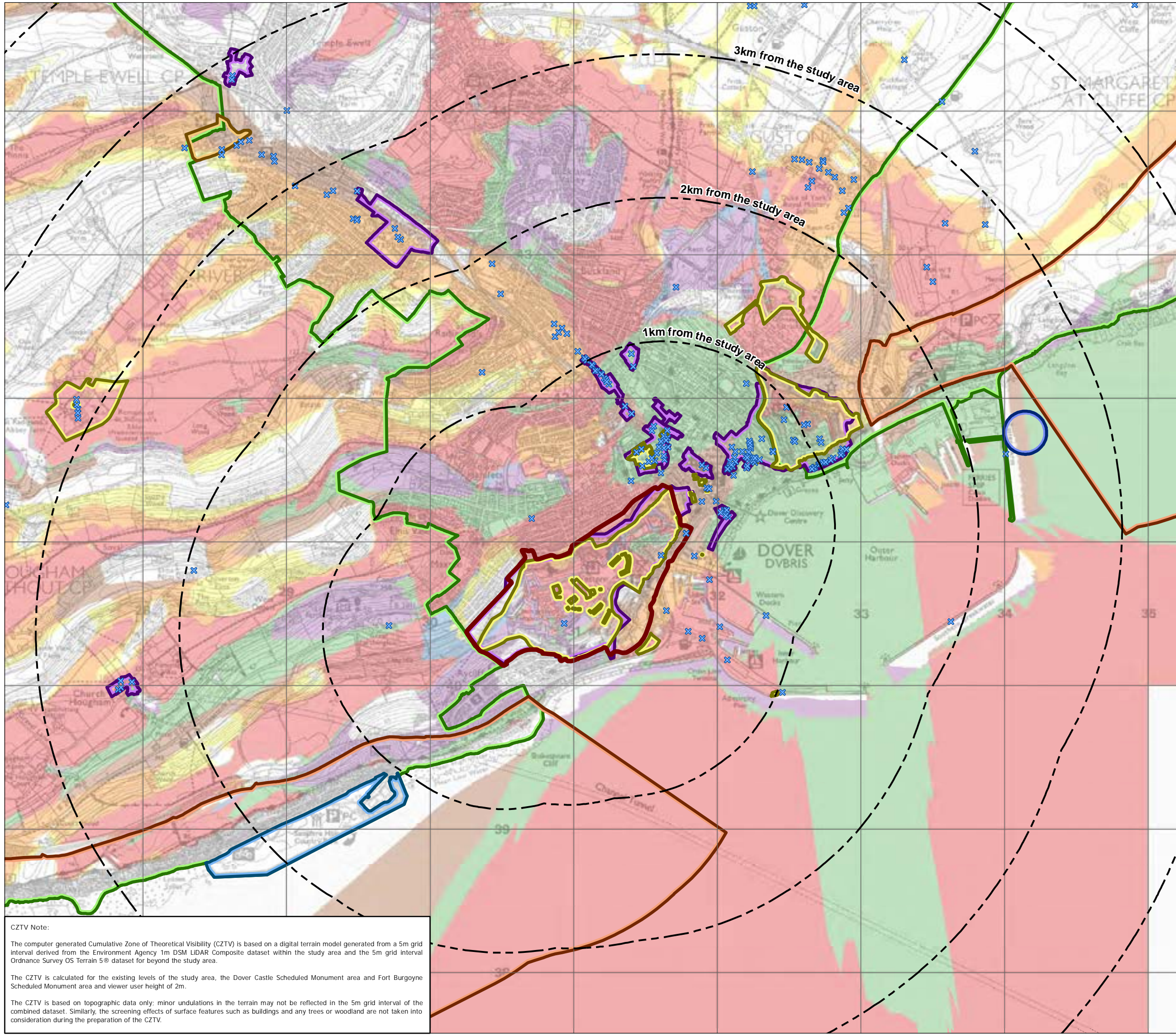
The ZTV is calculated for the existing levels of the study area and the viewer height of 2m.

The ZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI<sup>®</sup> Shapelle. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m.

Western Heights  
Combined Heritage and  
Landscape Appraisal

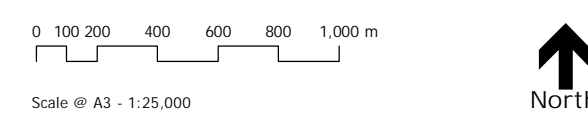
Cumulative HL.28-1  
Zone of  
Theoretical Visibility :  
Bare Earth Analysis

- Visibility between Western  
Heights, Dover Castle and  
Fort Burgoyne



- Key**
- Study area
  - 1km buffers from study area
  - Landscape and Heritage Designations :**
  - 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Samphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings

- Cumulative Zone of Theoretical Visibility :**
- Bare Earth Analysis
- All three sites
  - Western Heights and Fort Burgoyne
  - Western Heights and Dover Castle
  - Western Heights only
  - Dover Castle and Fort Burgoyne
  - Fort Burgoyne only
  - Dover Castle only



**CZTV Note:**

The computer generated Cumulative Zone of Theoretical Visibility (CZTV) is based on a digital terrain model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5<sup>®</sup> dataset for beyond the study area.

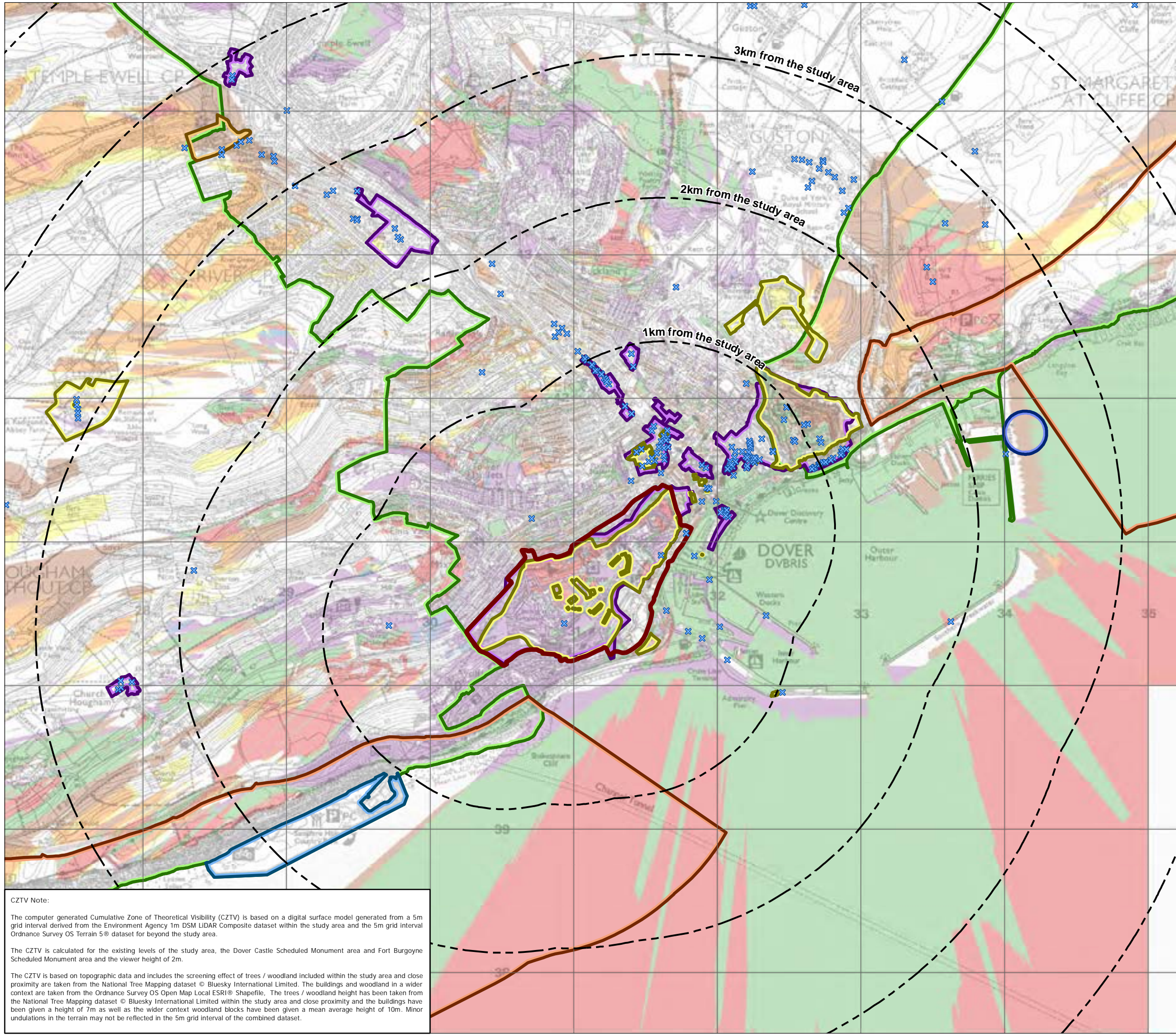
The CZTV is calculated for the existing levels of the study area, the Dover Castle Scheduled Monument area and Fort Burgoyne Scheduled Monument area and viewer user height of 2m.

The CZTV is based on topographic data only; minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset. Similarly, the screening effects of surface features such as buildings and any trees or woodland are not taken into consideration during the preparation of the CZTV.

Western Heights  
Combined Heritage and  
Landscape Appraisal

Cumulative HL.28-2  
Zone of  
Theoretical Visibility :  
Screening Features Analysis

- Visibility between Western  
Heights, Dover Castle and  
Fort Burgoyne



- Key**
- Study area
  - 1km buffers from study area
- Landscape and Heritage Designations :**
- 'Kent Downs' Area of Outstanding Natural Beauty (AONB)
  - 'Saphire Hoe' Country Park
  - Conservation Areas
  - Heritage Coasts
  - 'Kearsney Court' Registered Park And Garden
  - Scheduled Monuments
  - 'Langdon Bay' Protected Wreck
  - Listed Buildings

- Cumulative Zone of Theoretical Visibility :**
- Screening Features Analysis
- All three sites
  - Western Heights and Fort Burgoyne
  - Western Heights and Dover Castle
  - Western Heights only
  - Dover Castle and Fort Burgoyne
  - Fort Burgoyne only
  - Dover Castle only

**CZTV Note:**

The computer generated Cumulative Zone of Theoretical Visibility (CZTV) is based on a digital surface model generated from a 5m grid interval derived from the Environment Agency 1m DSM LIDAR Composite dataset within the study area and the 5m grid interval Ordnance Survey OS Terrain 5® dataset for beyond the study area.

The CZTV is calculated for the existing levels of the study area, the Dover Castle Scheduled Monument area and Fort Burgoyne Scheduled Monument area and the viewer height of 2m.

The CZTV is based on topographic data and includes the screening effect of trees / woodland included within the study area and close proximity are taken from the National Tree Mapping dataset © Bluesky International Limited. The buildings and woodland in a wider context are taken from the Ordnance Survey OS Open Map Local ESRI® Shapfile. The trees / woodland height has been taken from the National Tree Mapping dataset © Bluesky International Limited within the study area and close proximity and the buildings have been given a height of 7m as well as the wider context woodland blocks have been given a mean average height of 10m. Minor undulations in the terrain may not be reflected in the 5m grid interval of the combined dataset.