

Volume 2: Supporting Figures and Visualisations

Contents

Chapter 1 – Introduction

Figure 1.1: Site Location

Figure 1.2: Site Layout

Chapter 4 – Site Selection and Design Evolution

Figure 4.1: Constraints to Site Design

Figure 4.2: Layout Design Evolution

Chapter 5 – Project Description

Figure 5.1: Indicative Turbine Marking Detail

Figure 5.2: Indicative Wind Turbine Specification

Figure 5.3: Indicative Transformer

Figure 5.4: Indicative Turbine Hardstand

Figure 5.5: Indicative Wind Turbine Foundation

Figure 5.6: Indicative Control Building

Figure 5.7: Indicative Underground Cabling

Figure 5.8: Indicative Access Track with Drainage Ditch

Figure 5.9: Indicative Temporary Concrete Batching Plant

Figure 5.10: Indicative Construction Compound

Figure 5.11: Indicative Directional Signage

Figure 5.12: Indicative Battery Energy Storage System Compound Layout

Figure 5.13: Indicative Watercourse Crossing Section

Chapter 6 – Landscape and Visual

Figure 6.1: LVIA Study Area

Figure 6.2: Cumulative Study Areas

Figure 6.3a: ZTV to Tip Height (A3 size)

Figure 6.3b: ZTV to Tip Height (A0 size)

Figure 6.4: ZTV to hub height (A3 size)

Figure 6.5: ZTV Theoretical Visibility of Aviation Lighting by Intensity (worst case)

Figure 6.6: ZTV Theoretical Visibility of Aviation Lighting by Intensity individual turbines (1-7)

Figure 6.6a: Theoretical Visibility of Aviation Lighting by Intensity (Turbines 1-&)

Figure 6.7: Predicted Light Pollution in areas of Theoretical Visibility of Aviation Lighting

Figure 6.7.1: Residential Receptors

Figure 6.8: Landscape Character

Figure 6.9: Protected and Designated Landscapes

Figure 6.10: Visual Receptors

Figure 6.11: Sequential Receptors- Key Routes

Figure 6.11a: Sequential Route ZTV- A9

Figure 6.11b: Sequential Route ZTV - A99

Figure 6.11c: Sequential Route ZTV- A882

Figure 6.11d: Sequential Route ZTV - B876

Figure 6.11e: Sequential Route ZTV- B874

Figure 6.11f: Sequential Route ZTV- B870

Figure 6.12: Core Paths within 10km

Figure 6.13: Cumulative Wind Farms within 60k

Figure 6.14: Wind Farms considered in the Cumulative Assessment

Figure 6.15: Cumulative 45km ZTV to Tip Height - Scenario 1 (Baseline) & Wind Farms in Operational/Under-construction sites

Figure 6.16a: Cumulative 45km ZTV- Scenario 2 Scenario 1 with Consented Wind Farms

Figure 6.16b: Cumulative 45km ZTV- Scenario 3 Scenario 2 with Submitted Wind Farms

Visualisations

Figure 6.17: NatureScot Visualisation - Thurso

Figure 6.18: NatureScot Visualisation – B876, North of Hoy

Figure 6.19: NatureScot Visualisation – Georgemas

Figure 6.20: NatureScot Visualisation – North Watten
Figure 6.21: NatureScot Visualisation – Scotscalder
Figure 6.22: NatureScot Visualisation – Ben Dorrey
Figure 6.23: NatureScot Visualisation - Harpsdale Cross Roads
Figure 6.24: NatureScot Visualisation - Watten
Figure 6.25: NatureScot Visualisation - A882, East of Watten
Figure 6.26: NatureScot Visualisation - Spittal
Figure 6.27: NatureScot Visualisation – A99, North of Wick
Figure 6.28: NatureScot Visualisation - Westerdale
Figure 6.29: NatureScot Visualisation – Minor road north of Grey Cairns of Camster
Figure 6.30: NatureScot Visualisation – Loch More Cottage
Figure 6.31: NatureScot Visualisation – Loch of Yarrows Trail
Figure 6.32: NatureScot Visualisation – A9, North of Rangag
Figure 6.33: NatureScot Visualisation – Coire na Beinne
Figure 6.34: NatureScot Visualisation – Ben Alisky
Figure 6.35: NatureScot Visualisation - Scaraben
Figure 6.36: NatureScot Visualisation – Dunnet Head

RVAA Figures

Figure 6.7.1: Residential Receptors
Figure 6.7.2: VP1 – Shielton
Figure 6.7.3: VP2 – 22 West Watten
Figure 6.7.4: VP3 – 19 West Watten
Figure 6.7.5: VP4 – 18 West Watten
Figure 6.7.6: VP5 – Scouthall
Figure 6.7.7: VP6 – Milton
Figure 6.7.8: VP7 – Achingale
Figure 6.7.9: VP8 – Banks/Properties to the south
Figure 6.7.10: VP9 – West Watten/Strathview cottage
Figure 6.7.11: VP10 – Knockfarrie
Figure 6.7.12: VP11 – Ballacharn/Aljolichsa
Figure 6.7.13: VP12 – 14 Watten
Figure 6.7.14: VP13 – 10 Watten

Figure 6.7.15: VP14 – Newton
Figure 6.7.16: VP15 – The Smiddy
Figure 6.7.17: VP 16 – Backlass (new build)
Figure 6.7.18: VP 16a – Backlass Cottage
Figure 6.7.19: VP17 – Leanmore
Figure 6.7.20: VP18 – Houstry of Dunn
Figure 6.7.21: VP19 – Backlass Hill Cottage
Figure 6.7.22: VP20 – Backlass Croft
Figure 6.7.23: VP21 – Balnasmurich/Markethill
Figure 6.7.24: VP22 – Lanergill Farm
Figure 6.7.25: VP23 – Knockglass

Chapter 7 – Ecology

Figure 7.1: Ecological Designated Sites, Nominated World Heritage Site and Ancient Woodland within 5 km
Figure 7.2: Carbon and Peatland Map 2016
Figure 7.3: National Vegetation Classification Survey Area and Survey Results
Figure 7.4a-e: Potential Groundwater Dependent Terrestrial Ecosystems (GWDTEs) Survey Area and Survey Results
Figure 7.5a&b: Protected Species Survey Area and Survey Results 2020
Figure 7.5Ca&b: Confidential Protected Species Survey Results 2020 (hard copy not included)
Figure 7.6: Bat Survey Area and Anabat Locations (2015 & 2020) and Preliminary Bat Roost Assessment Results
Figure 7.7: Overall Risk Assessment 2020 (July – October) – Common pipistrelle
Figure 7.8: Overall Risk Assessment 2020 (July – October) – Soprano Pipistrelle
Figure 7.9: Overall Risk Assessment 2020 (July – October) – Nathusius' pipistrelle
Figure 7.10: Overall Risk Assessment 2015 (May – September) – Common pipistrelle
Figure 7.11: Overall Risk Assessment 2015 (May – September) – Soprano pipistrelle
Figure 7.12: Electrofishing Locations
Figure 7.13: Outline Biodiversity Enhancement Management Plan

Chapter 8 – Ornithology

Figure 8.1: Ornithological Designated Sites within 20 km

Figure 8.2: Proposed Development Area and Study Areas
Figure 8.2.1: CONFIDENTIAL Barn Owl Activity: 2013 to 2022 (hard copy not included)
Figure 8.2.2: CONFIDENTIAL Hen Harrier Activity: 2013 to 2022 (hard copy not included)
Figure 8.2.3: CONFIDENTIAL Merlin Activity: 2013 to 2022 (hard copy not included)
Figure 8.2.4: CONFIDENTIAL Osprey Activity: 2013 to 2022 (hard copy not included)
Figure 8.2.5: CONFIDENTIAL Diver Activity: 2013 to 2022 (hard copy not included)
Figure 8.3: Vantage Points and Viewsheds
Figure 8.4: Non-breeding Raptor and Owl Activity: 2013 to 2022
Figure 8.5: Flight Activity: Hen Harrier
Figure 8.6: Flight Activity: Merlin
Figure 8.7: Flight Activity: Osprey
Figure 8.8: Flight Activity: Red-throated diver
Figure 8.9: Flight Activity: Peregrine falcon and red kite
Figure 8.10: Breeding Wader Activity: 2013 to 2022
Figure 8.11: Non-breeding Wader Activity: 2013 to 2022
Figure 8.12: Flight Activity: Curlew
Figure 8.13: Flight Activity: Golden Plover
Figure 8.14: Flight Activity: Lapwing
Figure 8.15: Flight Activity: Whimbrel
Figure 8.16: Non-Breeding Wildfowl Activity: 2013 to 2022
Figure 8.17: Flight Activity: Greylag goose
Figure 8.18: Flight Activity: Pink-footed Goose
Figure 8.19: Flight Activity: Whooper Swan
Figure 8.20: Breeding and Non-Breeding Seabird Activity: 2013 to 2022
Figure 8.21: Flight Activity: Arctic Skua
Figure 8.22: Flight Activity: Great Black-backed Gull
Figure 8.23: Flight Activity: Herring Gull
Figure 8.24: Cumulative Impact Assessment, Natural Heritage Zone 5

Chapter 9 – Hydrology, Geology and Hydrogeology

Figure 9.1: Proposed Development Area and Study Areas
Figure 9.2: Hydrological Constraints

Figure 9.3: Watercourse Crossings (1:25,000)
Figure 9.4: Watercourse Crossings (Aerial)
Figure 9.5: Bedrock Geology
Figure 9.6: Superficial Geology
Figure 9.7: Hydrological Catchments
Figure 9.8a-c: Phase 1 & 2 Peat Depth Sample & Coring Locations
Figure 9.9: Phase 1 & 2 Peat Depth Sample Results
Figure 9.10: Phase 1 & 2 Interpolated Peat Depth
Figure 9.11a-d: Proposed Development Infrastructure and Peat Excavation
Figure 9.12: Hydrology Study Area and Identified Private Water Supply Locations

Chapter 10 – Cultural Heritage

Figure 10.1: Known Cultural Heritage Assets within the Inner Study Area (ISA)
Figure 10.2: Cultural Heritage Viewpoints (CHVP) within the outer Study Area (OSA) and Zone of Theoretical Visibility (ZTV)
Figure 10.3: CHVP1, View from the north on approach to Cat A LB LB14976 ACHINGALE MILL.
Figure 10.4: CHVP2, View from Cat A LB LB14976 ACHINGALE MILL.
Figure 10.5: CHVP3, View from the north on approach to SM13632 Carn A' Chladha, broch.
Figure 10.6: CHVP4, View from SM13632 Carn A' Chladha, Broch.
Figure 10.7: CHVP5, View from SM13634 Bail A' Chairn, Broch.
Figure 10.8: CHVP6, View towards SM13634 Bail A' Chairn, Broch. from Scouthal Burn
Figure 10.9a: CHVP7a, SM450 View from Gallow Hillock, Cairn on Backlass Hill.
Figure 10.9b: CHVP7b, SM450 View from Gallow Hillock, Cairn on Backlass Hill.
Figure 10.10: CHVP8, View from SM721 Scouthal Burn, Chapel & The Clow. Also showing view from east towards SM13632 Carn A'Chlada, Broch
Figure 10.11: CHVP9, View from MHG1979 Possible Stone Circle, Acharole.
Figure 10.12: CHVP10, View towards SM90056 Grey Cairns of Camster from roadside parking and access

Chapter 11 – Forestry

Figure 11.1: Current Species Plan
Figure 11.2: Felling Plan
Figure 11.3: Restocking Plan

Chapter 12 – Traffic and Transport

Figure 12.1: Traffic Count Locations

Chapter 15 – Socioeconomics, Recreation and Tourism

Figure 15.1: Sites considered Popular within the area of Caithness East and Accommodation Providers within 15 km of the Proposed Development

Figure 15.2: Recreational Paths and Trails

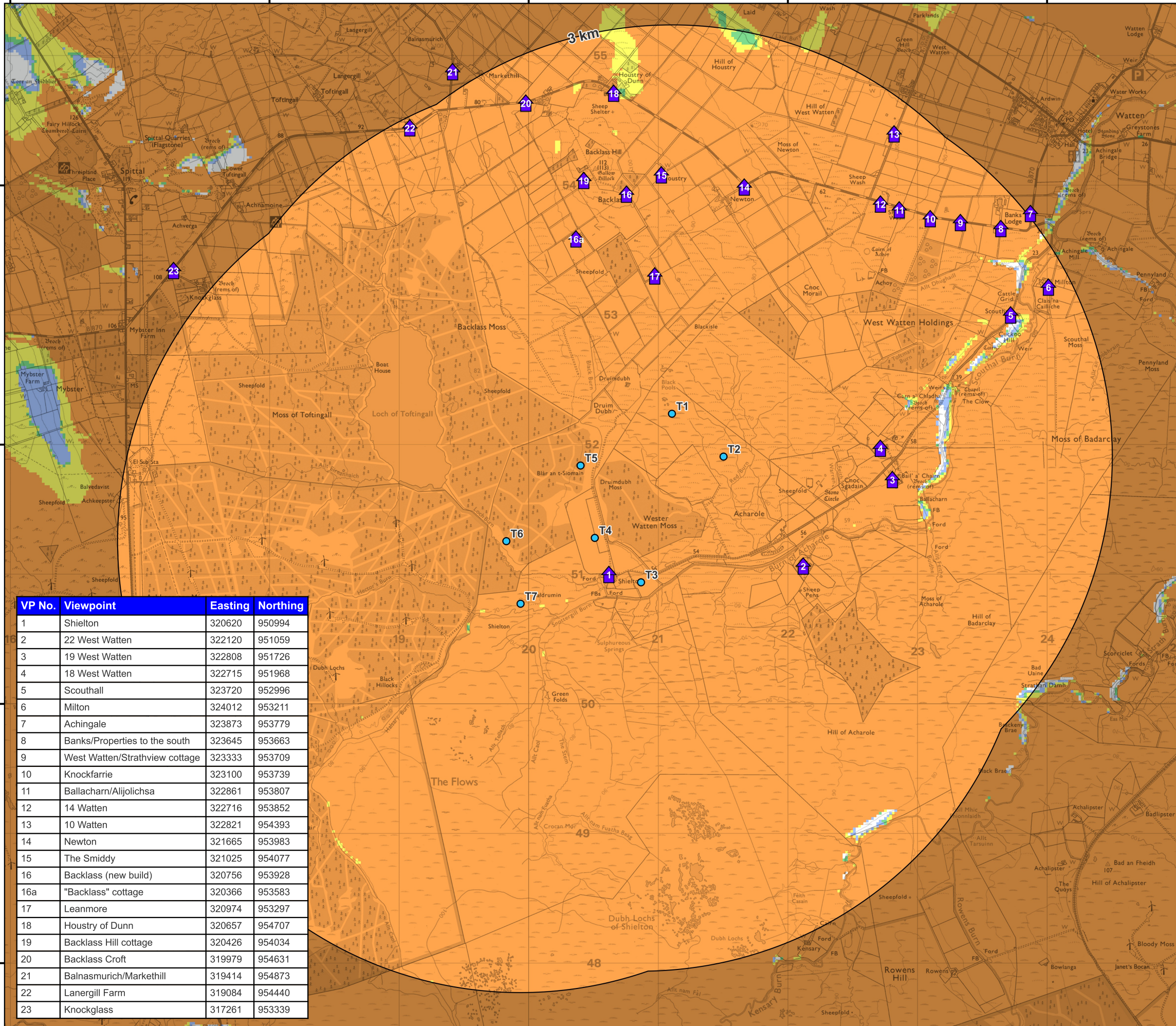
316000 318000 320000 322000 324000

954000

952000

950000

948000



Project:
Watten Wind Farm, Scottish Highlands

Title:
Figure 6.7.1: Residential Receptors

Key

- Proposed turbine
- Distance from outermost turbines (3 km)
- Residential receptor

Number of turbines theoretically visible to tip height:

- 1 - 2
- 3 - 4
- 5 - 6
- 7

ZTV notes:
 * Visibility takes earth curvature and atmospheric refraction into account, but not buildings, trees or other surface obstacles.
 * ZTV produced for 7 turbines of 220 m tip height.
 * Viewpoint height set to 2 m AGL.

VP No.	Viewpoint	Easting	Northing
1	Shielton	320620	950994
2	22 West Watten	322120	951059
3	19 West Watten	322808	951726
4	18 West Watten	322715	951968
5	Scouthall	323720	952996
6	Milton	324012	953211
7	Achingale	323873	953779
8	Banks/Properties to the south	323645	953663
9	West Watten/Strathview cottage	323333	953709
10	Knockfarrie	323100	953739
11	Ballacharn/Aljochisa	322861	953807
12	14 Watten	322716	953852
13	10 Watten	322821	954393
14	Newton	321665	953983
15	The Smiddy	321025	954077
16	Backlass (new build)	320756	953928
16a	"Backlass" cottage	320366	953583
17	Leanmore	320974	953297
18	Houstry of Dunn	320657	954707
19	Backlass Hill cottage	320426	954034
20	Backlass Croft	319979	954631
21	Balnasmurich/Markethill	319414	954873
22	Lanergill Farm	319084	954440
23	Knockglass	317261	953339

© Crown Copyright 2023. All rights reserved. Ordnance Survey Licence 0100031673.

Scale @ A3: 1:30,000

Coordinate System: British National Grid

0 0.25 0.5 0.75 1 km



Date: 16-06-23 Prepared by: DH Checked by: GG

Ref: GB204032_M_032_A Layout: 060922_7t_A

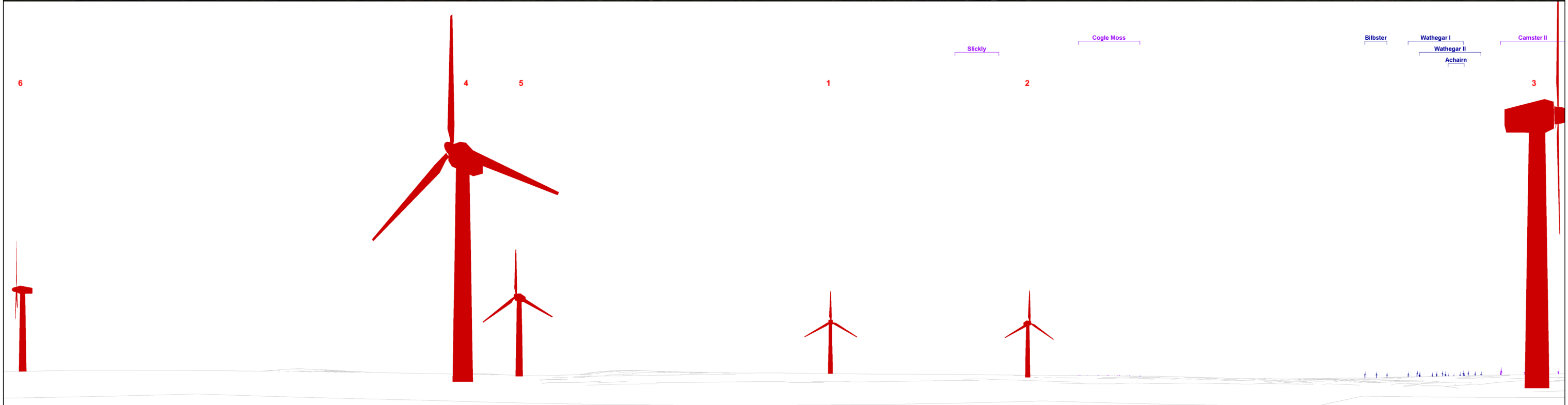
Drawing by:
 The Natural Power Consultants Limited
 The Green House
 Forrest Estate, Dalry
 Castle Douglas, DG7 3XS, UK
 Tel: +44 (0)1644 430008
 Fax: +44 (0)845 299 1236
 Email: sayhello@naturalpower.com
 www.naturalpower.com



Notes: a) Information on this plan is directly reproduced from digital and other material from different sources. Minor discrepancies may therefore occur. Where further clarification is considered necessary, this is noted through the use of text boxes on the plan itself. b) For the avoidance of doubt and unless otherwise stated: 1. this plan should be used for identification purposes only, unless otherwise stated in accompanying documentation. 2. The Natural Power Consultants Limited accepts no responsibility for the accuracy of data supplied by third parties. 3. The Natural Power Consultants Limited accepts no liability for any use which is made of this plan by a party other than its client. No third party who gains access to this plan shall have any claim against The Natural Power Consultants Limited in respect of its contents.



Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

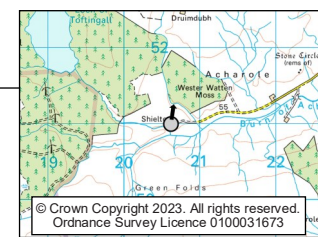
Wireline drawing

Watten Wind Farm
Residential Visual Amenity Figure 6.7.2
Viewpoint 1: Shielton



OS reference:	320620E 950994N	Camera:	Canon EOS 1ds Mk III
Eye level:	59 m AOD	Lens:	50 mm f1.4
Direction to centre of photograph:	8°	Camera height:	1.5 m AGL
Horizontal field of view:	180° (cylindrical projection)	Date and time of photograph	13/02/2023 16:47

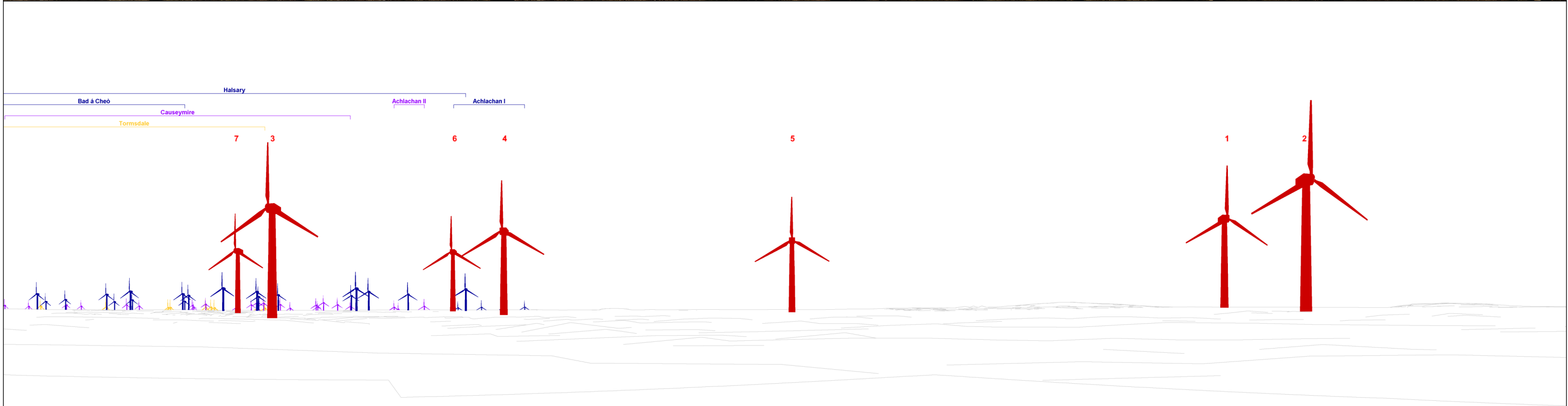
Nearest turbine:	T3
Minimum distance:	0.25 km
Theoretical number of tips visible:	7
Theoretical number of hubs visible:	7



GB204032_V_003_A_LW-27-02-23



Photograph



Wireline drawing

- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm
- Submitted wind farm

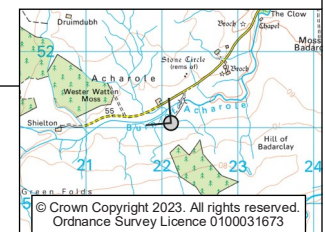
Watten Wind Farm
Residential Visual Amenity Figure 6.7.3
Viewpoint 2: 22 West Watten



OS reference: 322120E 950994N
 Eye level: 54 m AOD
 Direction to centre of photograph: 310°
 Horizontal field of view: 90° (cylindrical projection)

Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 13/02/2023 15:54

Nearest turbine: T2
 Minimum distance: 1.04 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm
- Submitted wind farm

Wireline drawing

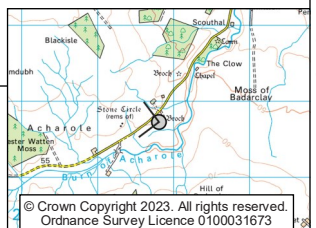
Watten Wind Farm
Residential Visual Amenity Figure 6.7.4
Viewpoint 3: 19 West Watten



OS reference: 322808E 951726N
 Eye level: 54 m AOD
 Direction to centre of photograph: 278°
 Horizontal field of view: 90° (cylindrical projection)

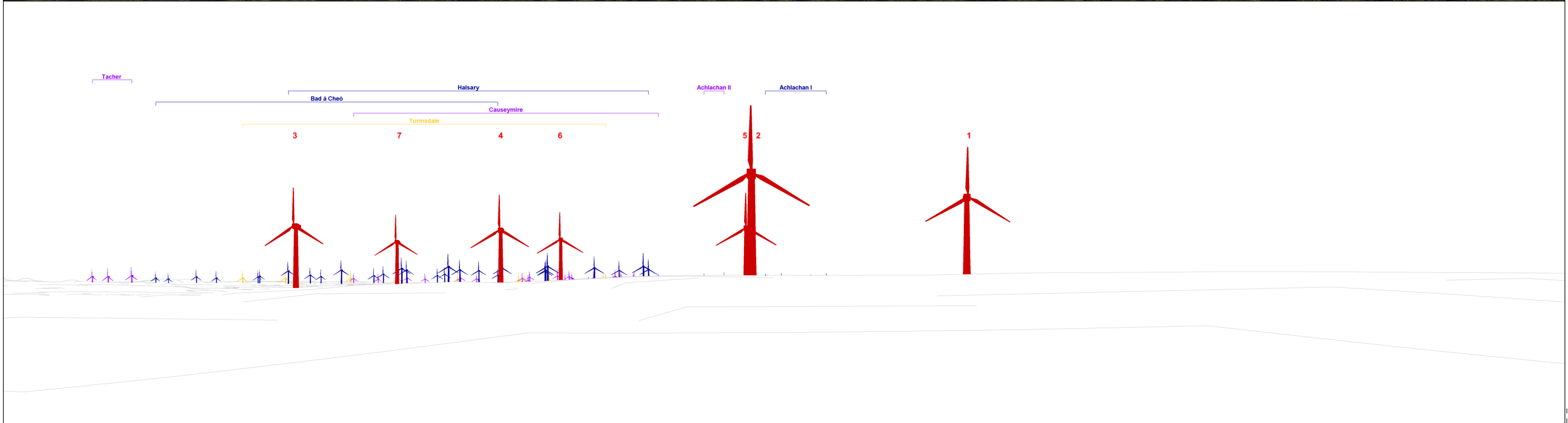
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 13/02/2023 15:10

Nearest turbine: T2
 Minimum distance: 1.31 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm
- Submitted wind farm

Wireline drawing

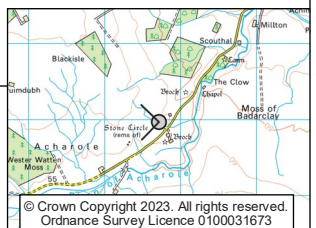
Watten Wind Farm
Residential Visual Amenity Figure 6.7.5
Viewpoint 4: 18 West Watten



OS reference: 322715E 951968N
 Eye level: 63 m AOD
 Direction to centre of photograph: 269°
 Horizontal field of view: 90° (cylindrical projection)

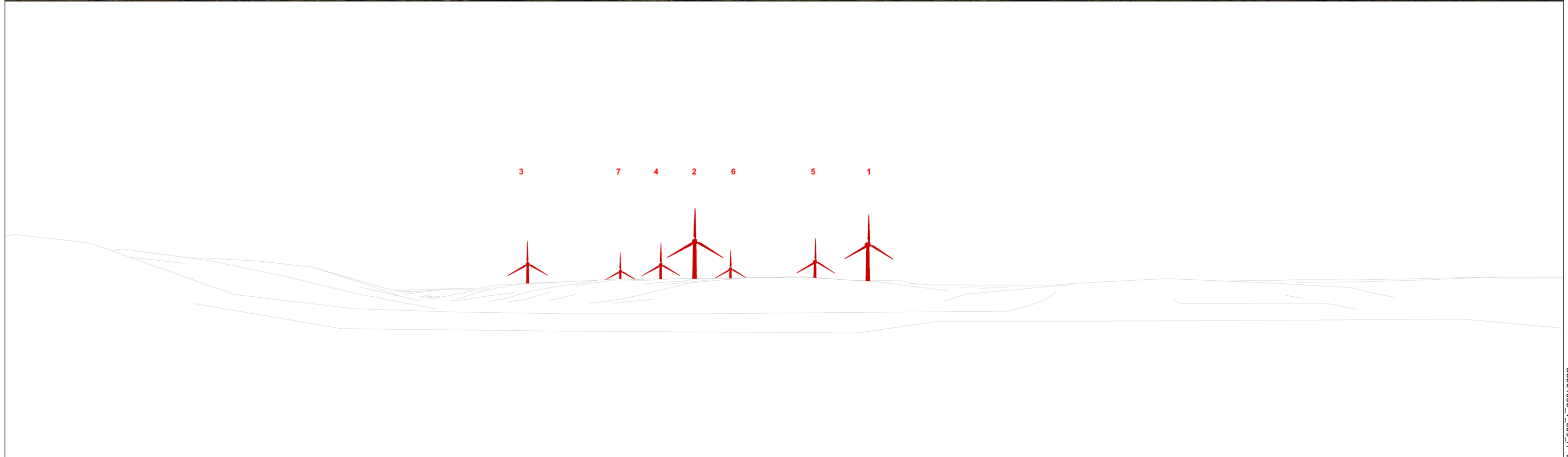
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 13/02/2023 14:45

Nearest turbine: T2
 Minimum distance: 1.21 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



Wireline drawing

● Proposed Watten Wind Farm

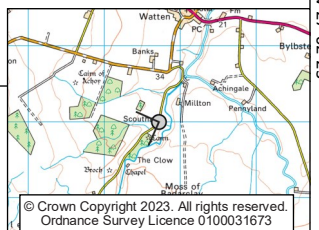
Watten Wind Farm
Residential Visual Amenity Figure 6.7.6
Viewpoint 5: Scouthall



OS reference: 323720E 952996N
 Eye level: 35 m AOD
 Direction to centre of photograph: 249°
 Horizontal field of view: 90° (cylindrical projection)

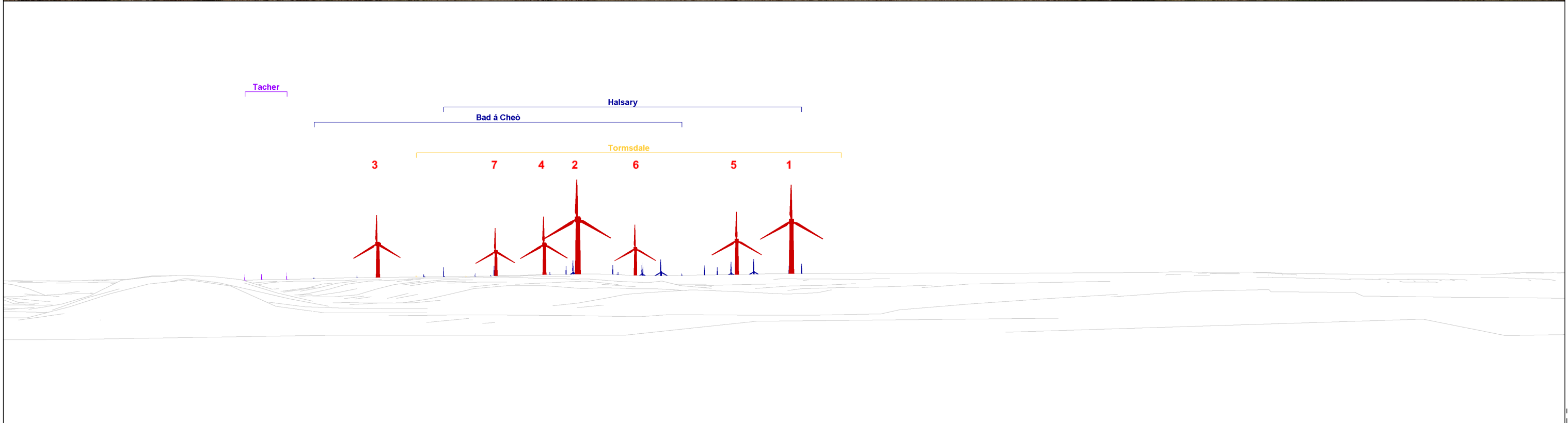
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 14/02/2023 11:10

Nearest turbine: T2
 Minimum distance: 2.46 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm
- Submitted wind farm

Wireline drawing

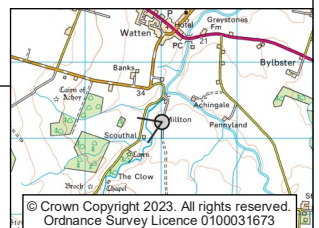
Watten Wind Farm
Residential Visual Amenity Figure 6.7.7
Viewpoint 6: Milton



OS reference: 324012E 953211N
 Eye level: 39 m AOD
 Direction to centre of photograph: 247°
 Horizontal field of view: 65.5° (cylindrical projection)

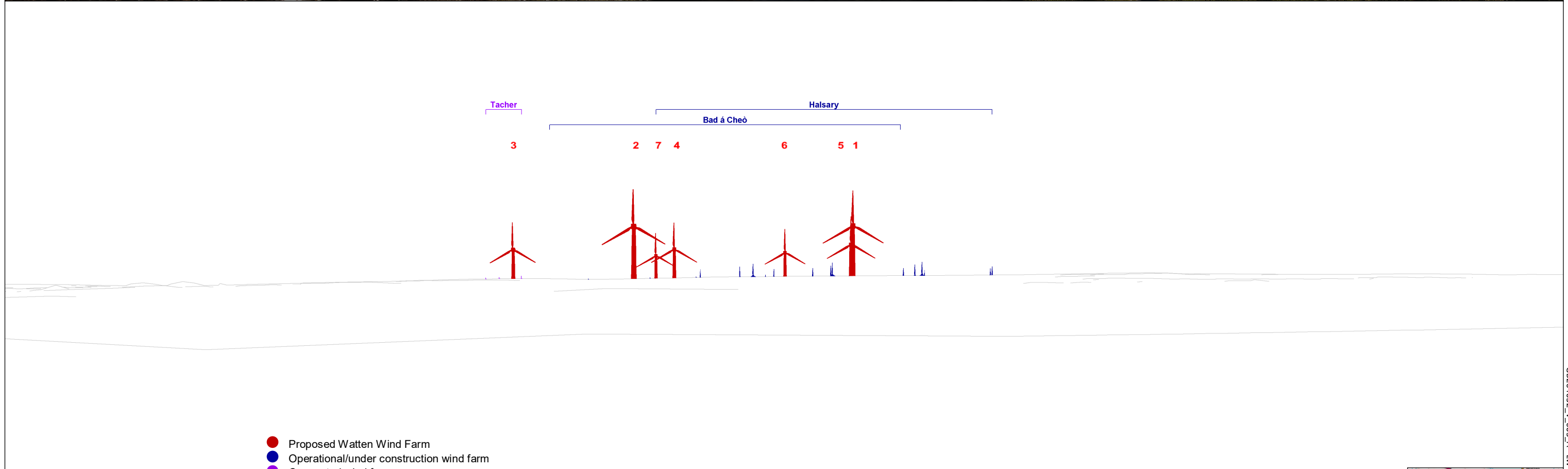
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 14/02/2023 10:30

Nearest turbine: T2
 Minimum distance: 2.82 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



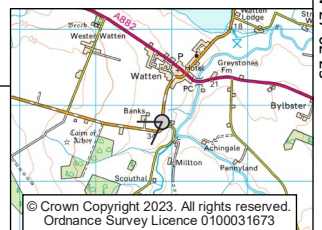
Wireline drawing

- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Watten Wind Farm
Residential Visual Amenity Figure 6.7.8
Viewpoint 7: Achingale



OS reference:	323873E 953779N	Camera:	Canon EOS 1ds Mk III	Nearest turbine:	T2
Eye level:	33 m AOD	Lens:	50 mm f1.4	Minimum distance:	3.01 km
Direction to centre of photograph:	238°	Camera height:	1.5 m AGL	Theoretical number of tips visible:	7
Horizontal field of view:	65.5° (cylindrical projection)	Date and time of photograph	13/02/2023 14:00	Theoretical number of hubs visible:	7



GB204032_V_003_A_LW_27-02-23



Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

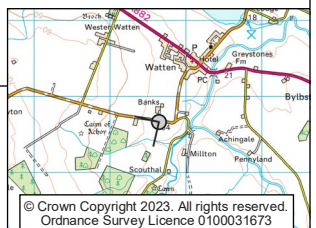
Watten Wind Farm
Residential Visual Amenity Figure 6.7.9
Viewpoint 8: Banks/Properties to the south



OS reference: 323645E 953663N
 Eye level: 31 m AOD
 Direction to centre of photograph: 238°
 Horizontal field of view: 90° (cylindrical projection)

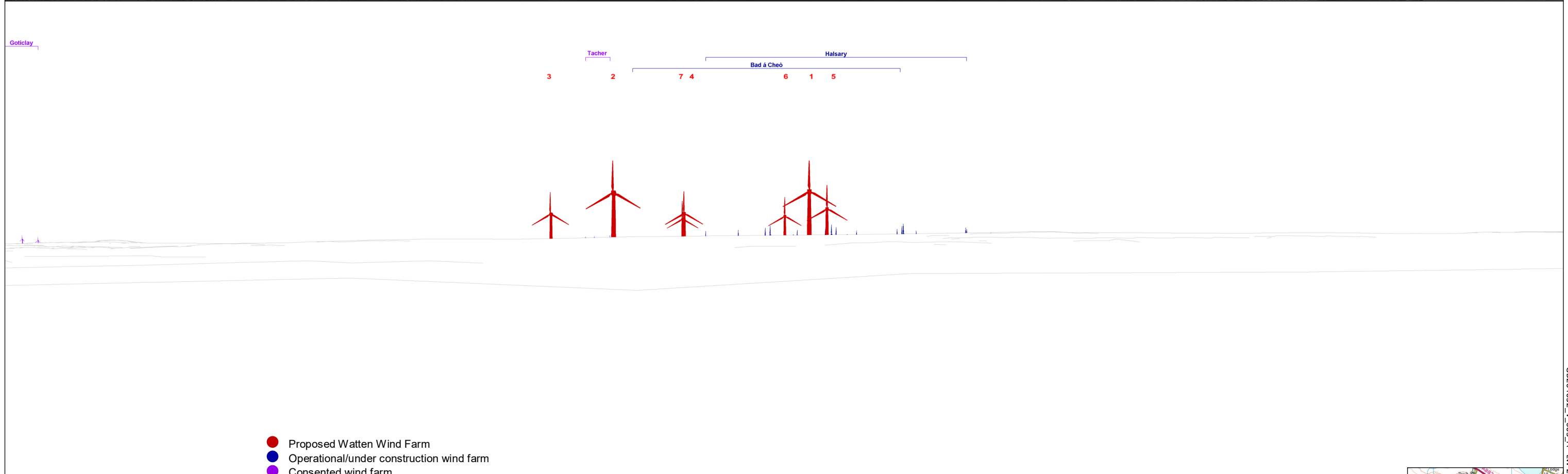
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph 13/02/2023 13:32

Nearest turbine: T2
 Minimum distance: 2.76 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



Wireline drawing

- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

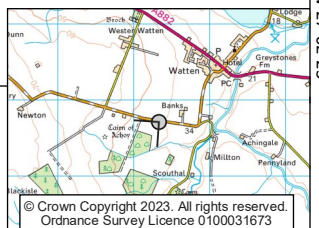
Watten Wind Farm
Residential Visual Amenity Figure 6.7.10
Viewpoint 9: West Watten/Strathview cottage



OS reference: 323333E 953709N
 Eye level: 44 m AOD
 Direction to centre of photograph: 229°
 Horizontal field of view: 90° (cylindrical projection)

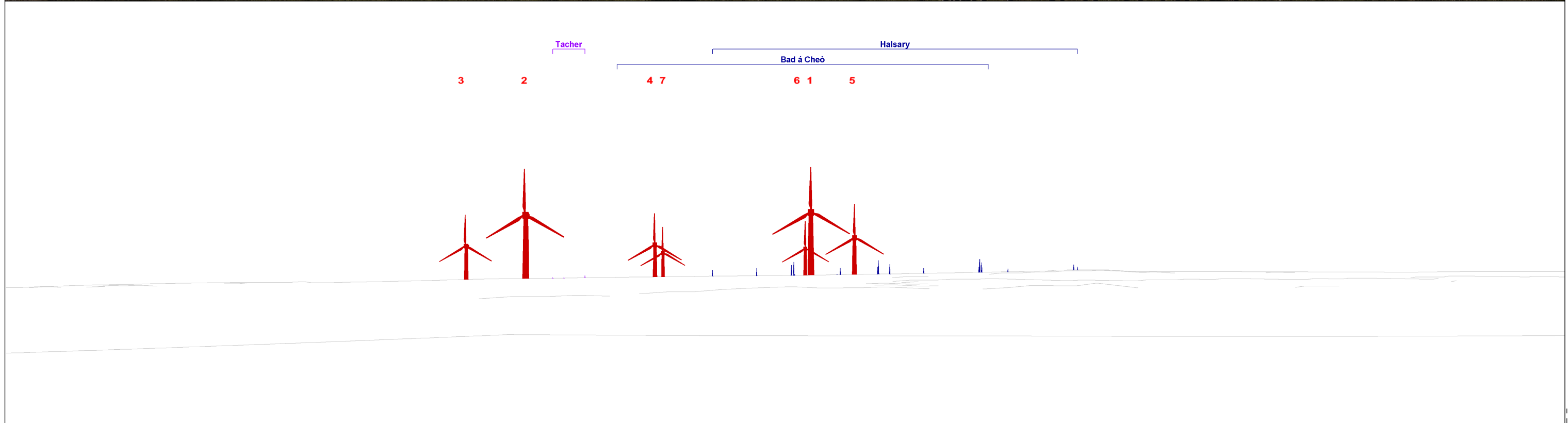
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 14/02/2023 10:06

Nearest turbine: T2
 Minimum distance: 2.56 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

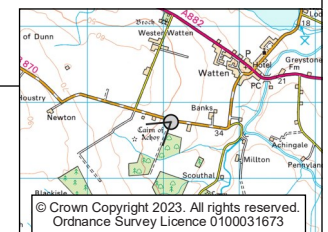
Watten Wind Farm
Residential Visual Amenity Figure 6.7.11
Viewpoint 10: Knockfarrie



OS reference: 323100E 953739N
 Eye level: 48 m AOD
 Direction to centre of photograph: 232°
 Horizontal field of view: 65.5° (cylindrical projection)

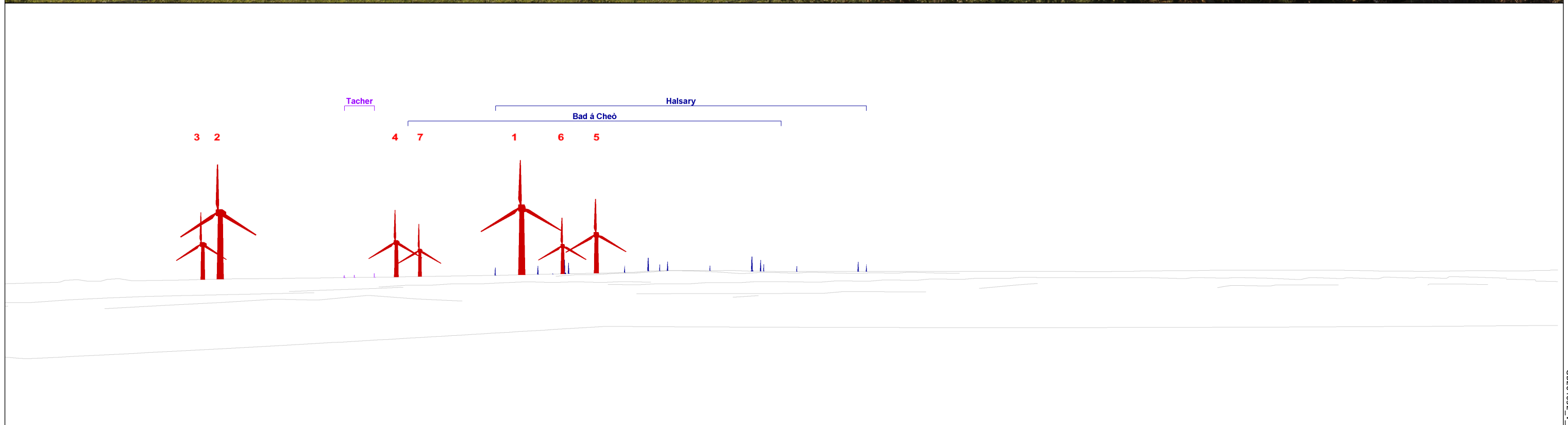
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 13/02/2023 12:30

Nearest turbine: T2
 Minimum distance: 2.42 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

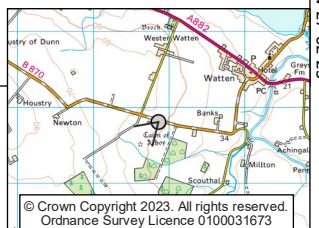
Watten Wind Farm
Residential Visual Amenity Figure 6.7.12
Viewpoint 11: Ballacharn/Alijolichsa



OS reference: 322861E 953807N
 Eye level: 55 m AOD
 Direction to centre of photograph: 239°
 Horizontal field of view: 65.5° (cylindrical projection)

Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 13/02/2023 12:00

Nearest turbine: T2
 Minimum distance: 2.33 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



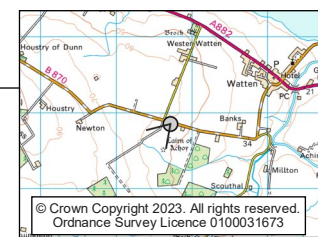
- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

Watten Wind Farm
Residential Visual Amenity Figure 6.7.13
Viewpoint 12: 14 Watten



OS reference:	322716E 953852N	Camera:	Canon EOS 1ds Mk III	Nearest turbine:	T1
Eye level:	60 m AOD	Lens:	50 mm f1.4	Minimum distance:	2.27 km
Direction to centre of photograph:	230°	Camera height:	1.5 m AGL	Theoretical number of tips visible:	7
Horizontal field of view:	65.5° (cylindrical projection)	Date and time of photograph	13/02/2023 11:43	Theoretical number of hubs visible:	7

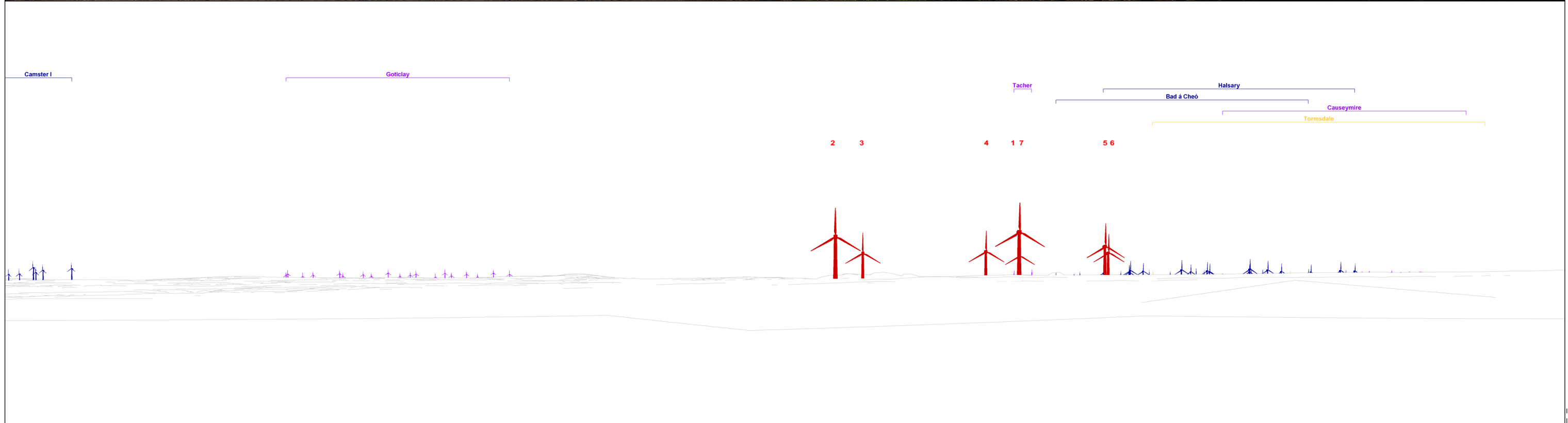


GB204032_V_003_A_LW_27-02-23

© Crown Copyright 2023. All rights reserved. Ordnance Survey Licence 0100031673



Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm
- Submitted wind farm

Wireline drawing

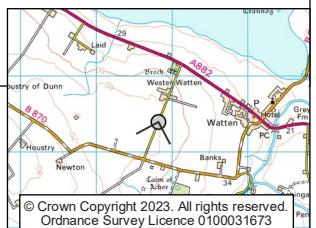
Watten Wind Farm
Residential Visual Amenity Figure 6.7.14
Viewpoint 13: 10 Watten



OS reference: 322821E 954393N
 Eye level: 66 m AOD
 Direction to centre of photograph: 205°
 Horizontal field of view: 90° (cylindrical projection)

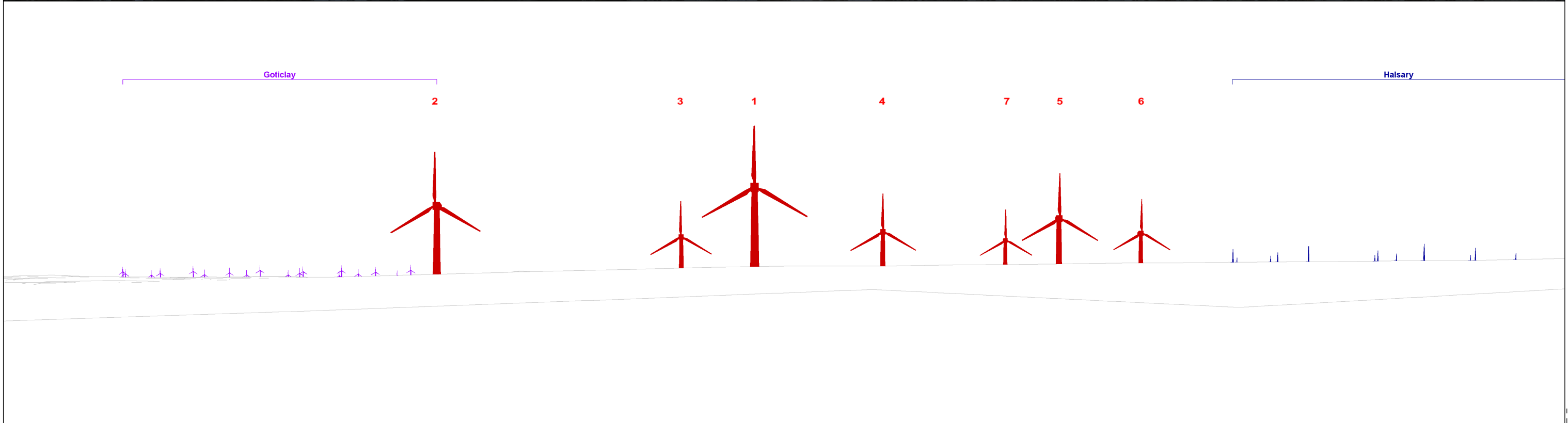
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph 13/02/2023 11:10

Nearest turbine: T1
 Minimum distance: 2.75 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



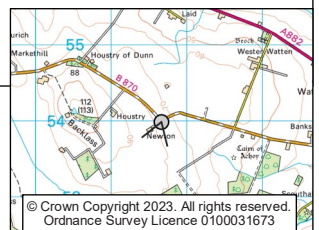
- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

Watten Wind Farm
Residential Visual Amenity Figure 6.7.15
Viewpoint 14: Newton

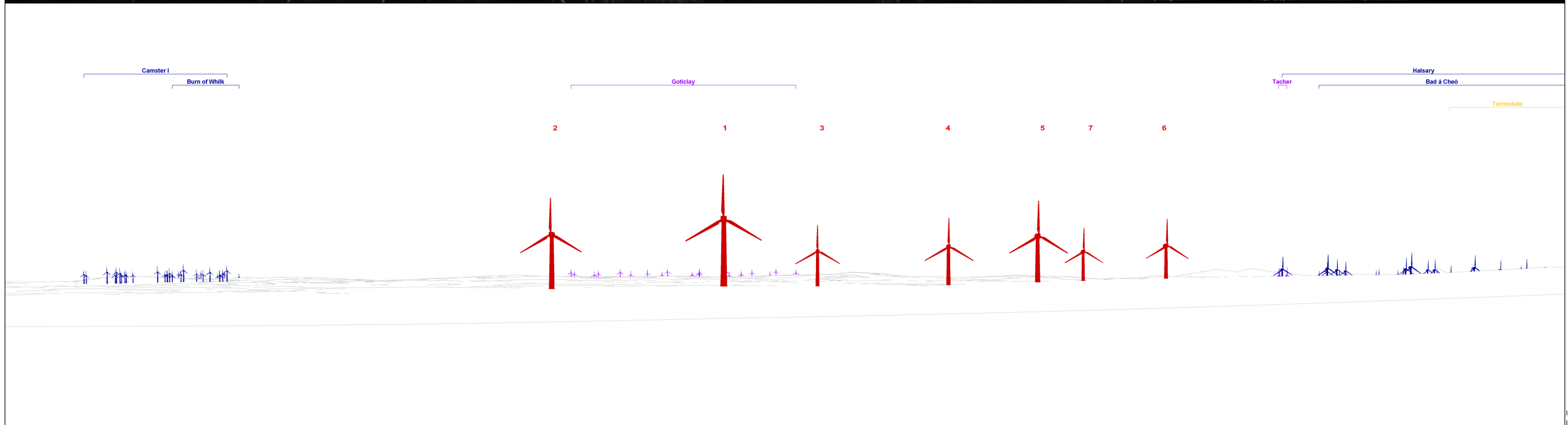


OS reference:	321665E 953983N	Camera:	Canon EOS 1ds Mk III	Nearest turbine:	T1
Eye level:	82 m AOD	Lens:	50 mm f1.4	Minimum distance:	1.83
Direction to centre of photograph:	199°	Camera height:	1.5 m AGL	Theoretical number of tips visible:	7
Horizontal field of view:	65.5° (cylindrical projection)	Date and time of photograph	13/02/2023 10:30	Theoretical number of hubs visible:	7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm
- Submitted wind farm

Wireline drawing

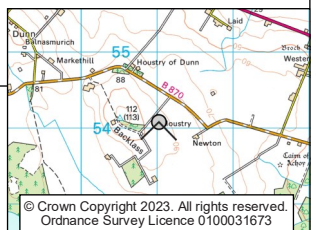
Watten Wind Farm
Residential Visual Amenity Figure 6.7.16
Viewpoint 15: The Smiddy



OS reference: 321025E 954077N
 Eye level: 88 m AOD
 Direction to centre of photograph: 181°
 Horizontal field of view: 90° (cylindrical projection)

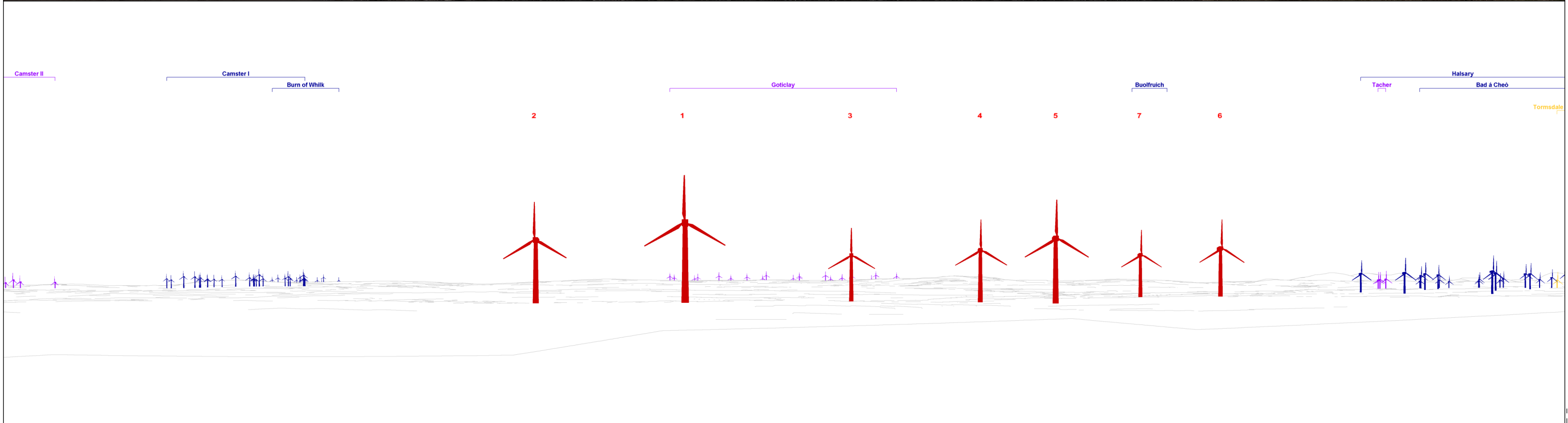
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 12/02/2023 15:10

Nearest turbine: T1
 Minimum distance: 1.84 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm
- Submitted wind farm

Wireline drawing

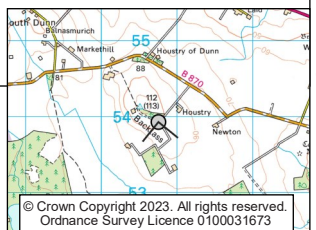
Watten Wind Farm
Residential Visual Amenity Figure 6.7.17
Viewpoint 16: Backlass (new build)



OS reference: 320756E 953928N
 Eye level: 100 m AOD
 Direction to centre of photograph: 174°
 Horizontal field of view: 90° (cylindrical projection)

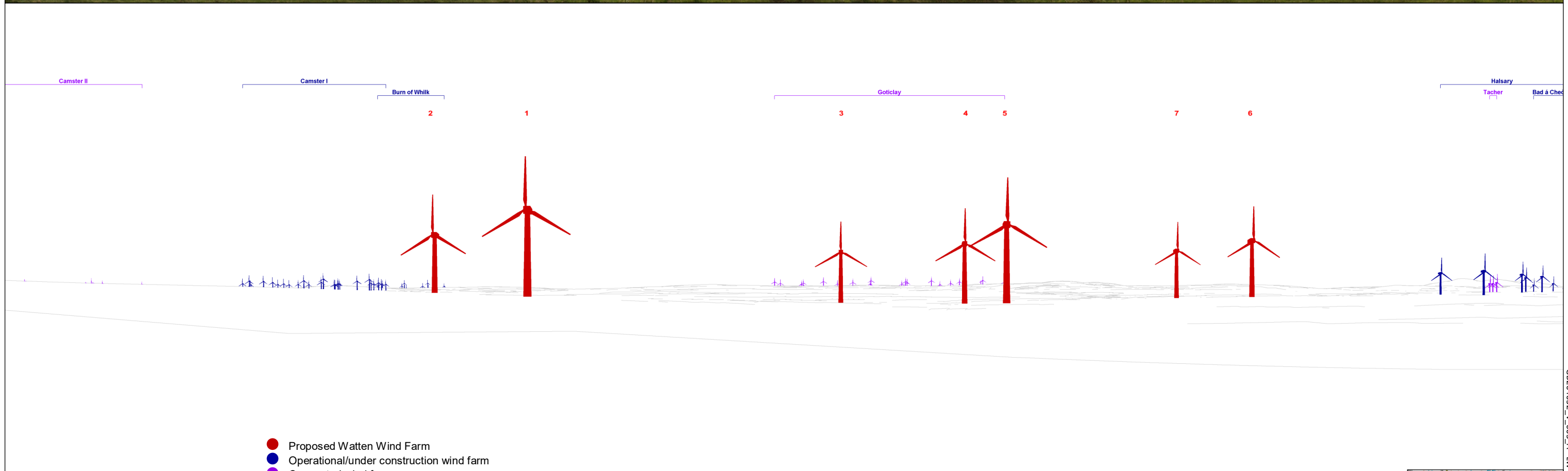
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 12/02/2023 13:30

Nearest turbine: T1
 Minimum distance: 1.72 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

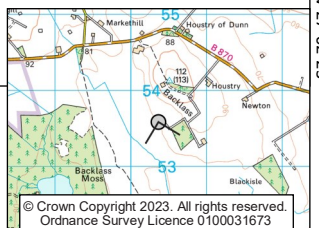
Wireline drawing

Watten Wind Farm
Residential Visual Amenity Figure 6.7.18
Viewpoint 16a: Backlass Cottage



OS reference:	320366E 953583N	Camera:	n/a
Eye level:	79 m AOD	Lens:	n/a
Direction to centre of photograph:	166°	Camera height:	1.5 m AGL
Horizontal field of view:	90° (cylindrical projection)	Date and time of photograph	12/02/2023 11:12

Nearest turbine:	T1
Minimum distance:	1.53 km
Theoretical number of tips visible:	7
Theoretical number of hubs visible:	7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

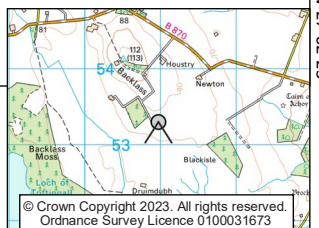
Watten Wind Farm
Residential Visual Amenity Figure 6.7.19
Viewpoint 17: Leanmore



OS reference: 320974E 953297N
 Eye level: 87 m AOD
 Direction to centre of photograph: 163°
 Horizontal field of view: 65.5° (cylindrical projection)

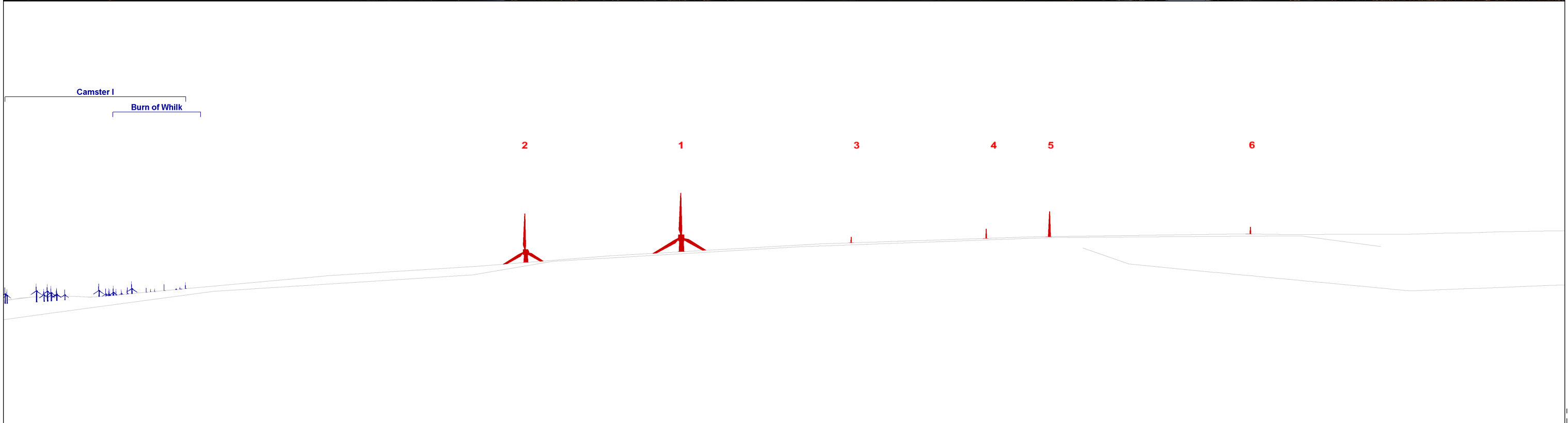
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 12/02/2023 12:04

Nearest turbine: T1
 Minimum distance: 1.06 km
 Theoretical number of tips visible: 4
 Theoretical number of hubs visible: 4





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm

Wireline drawing

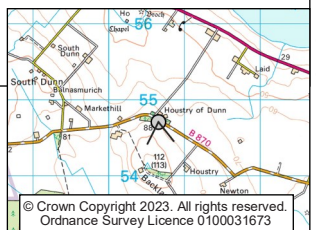
Watten Wind Farm
Residential Visual Amenity Figure 6.7.20
Viewpoint 18: Houstry of Dunn



OS reference: 320657E 954707N
 Eye level: 91 m AOD
 Direction to centre of photograph: 174°
 Horizontal field of view: 65.5° (cylindrical projection)

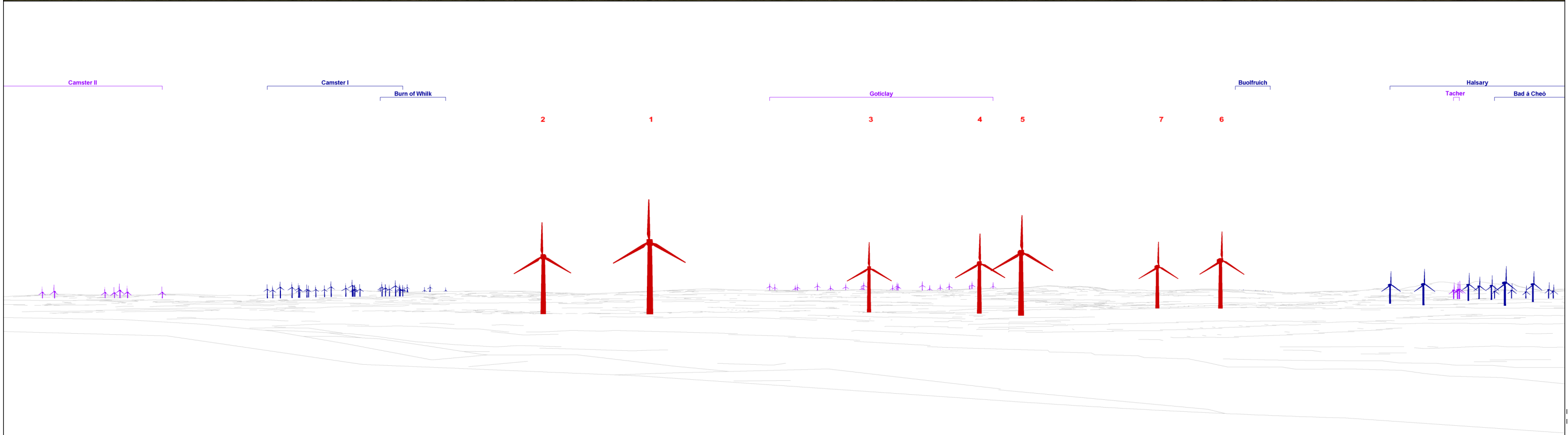
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 14/02/2023 09:39

Nearest turbine: T1
 Minimum distance: 2.5 km
 Theoretical number of tips visible: 6
 Theoretical number of hubs visible: 2





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

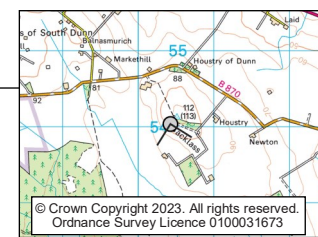
Watten Wind Farm
Residential Visual Amenity Figure 6.7.21
Viewpoint 19: Backlass Hill Cottage



OS reference: 320426E 954034N
 Eye level: 110 m AOD
 Direction to centre of photograph: 167°
 Horizontal field of view: 90° (cylindrical projection)

Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph 12/02/2023 12:45

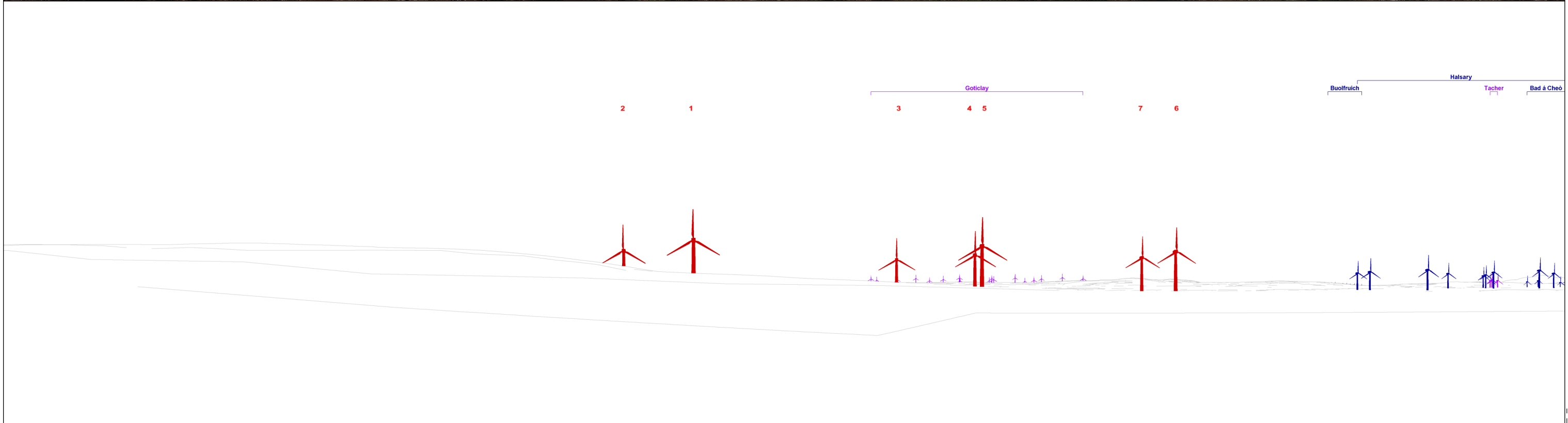
Nearest turbine: T1
 Minimum distance: 1.92 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7



GB204032_V_003_A_LW_27-02-23



Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

Watten Wind Farm
Residential Visual Amenity Figure 6.7.22
Viewpoint 20: Backlass Croft



OS reference: 319979E 954631N
 Eye level: 88 m AOD
 Direction to centre of photograph: 160°
 Horizontal field of view: 90° (cylindrical projection)

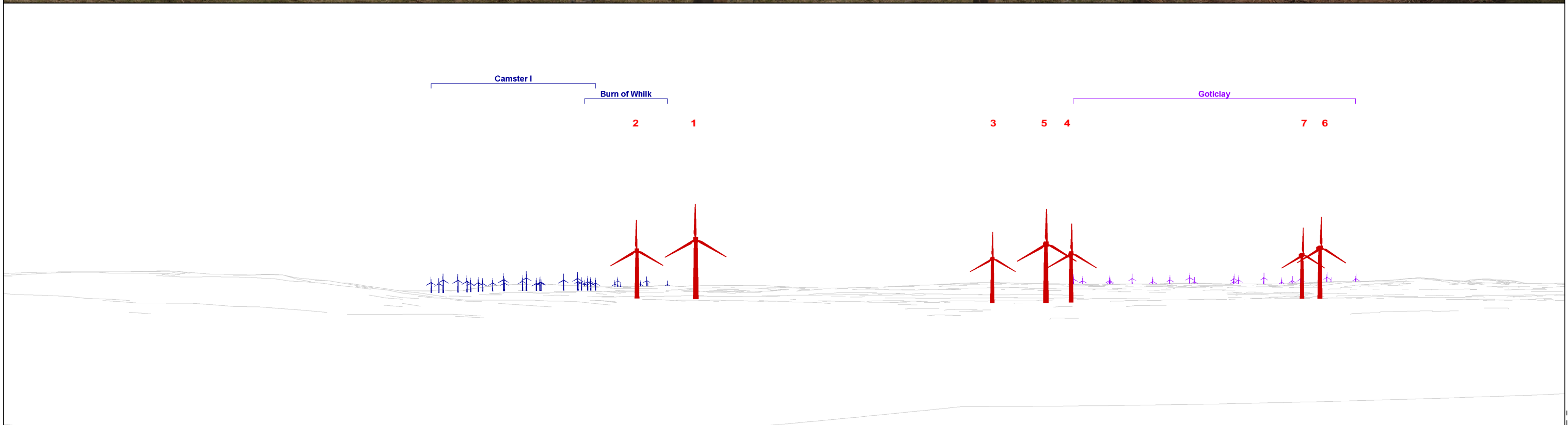
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 14/02/2023 12:43

Nearest turbine: T1
 Minimum distance: 6.64 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

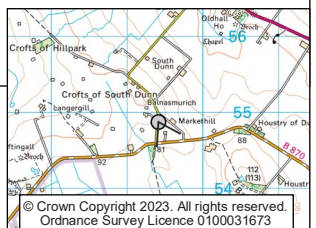
Watten Wind Farm
Residential Visual Amenity Figure 6.7.23
Viewpoint 21: Balnasmurich/Markethill



OS reference: 319414E 954873N
 Eye level: 83 m AOD
 Direction to centre of photograph: 151°
 Horizontal field of view: 65.5° (cylindrical projection)

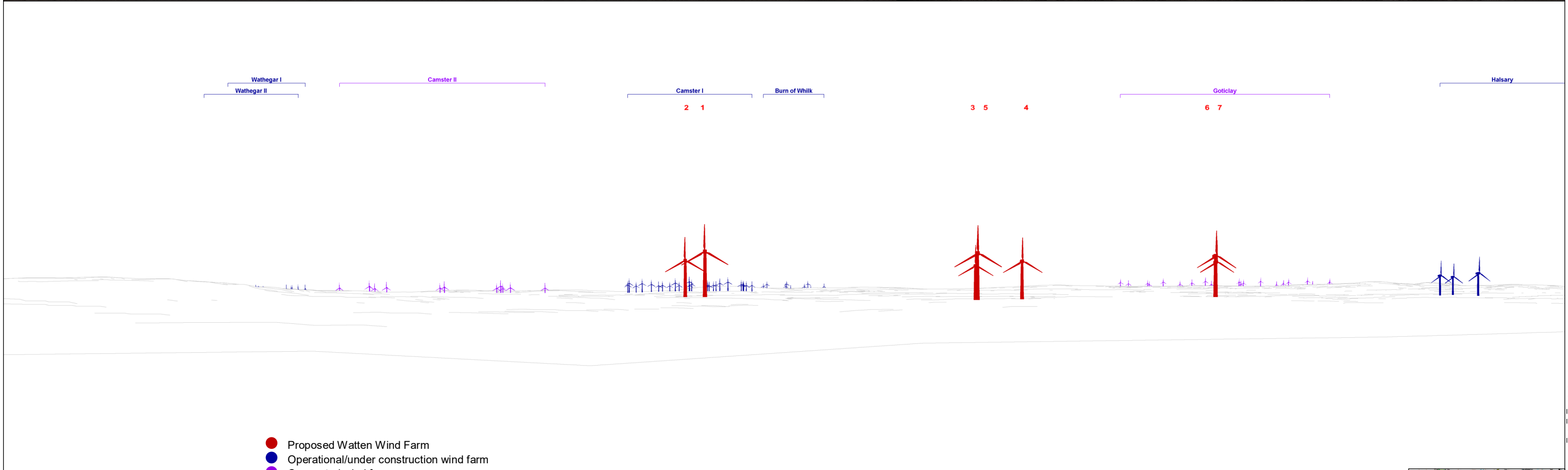
Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 12/02/2023 16:46

Nearest turbine: T1
 Minimum distance: 3.13 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7





Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

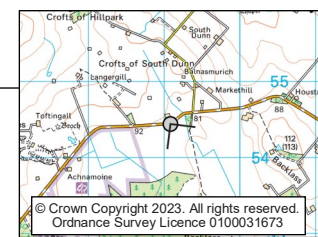
Watten Wind Farm
Residential Visual Amenity Figure 6.7.24
Viewpoint 22: Lanergill Farm



OS reference: 319084E 954440N
 Eye level: 81 m AOD
 Direction to centre of photograph: 142°
 Horizontal field of view: 90° (cylindrical projection)

Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph: 12/02/2023 16:15

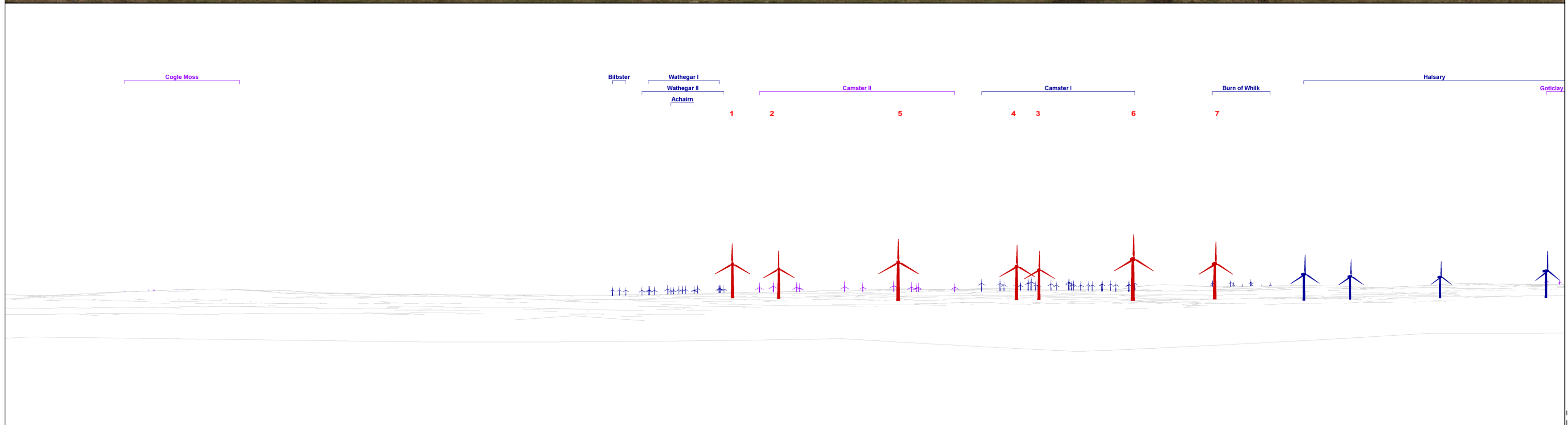
Nearest turbine: T5
 Minimum distance: 2.91 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7



GB204032_V_003_A_LW_27-02-23



Photograph



- Proposed Watten Wind Farm
- Operational/under construction wind farm
- Consented wind farm

Wireline drawing

Watten Wind Farm
Residential Visual Amenity Figure 6.7.25
Viewpoint 23: Knockglass



OS reference: 317261E 953339N
 Eye level: 104 m AOD
 Direction to centre of photograph: 109°
 Horizontal field of view: 90° (cylindrical projection)

Camera: Canon EOS 1ds Mk III
 Lens: 50 mm f1.4
 Camera height: 1.5 m AGL
 Date and time of photograph 12/02/2023 15:45

Nearest turbine: T6
 Minimum distance: 3.3 km
 Theoretical number of tips visible: 7
 Theoretical number of hubs visible: 7

