

Environmental Impact Assessment Report

Volume 2c

Landscape and Visual Figures



### 1. Volume 2c: Contents

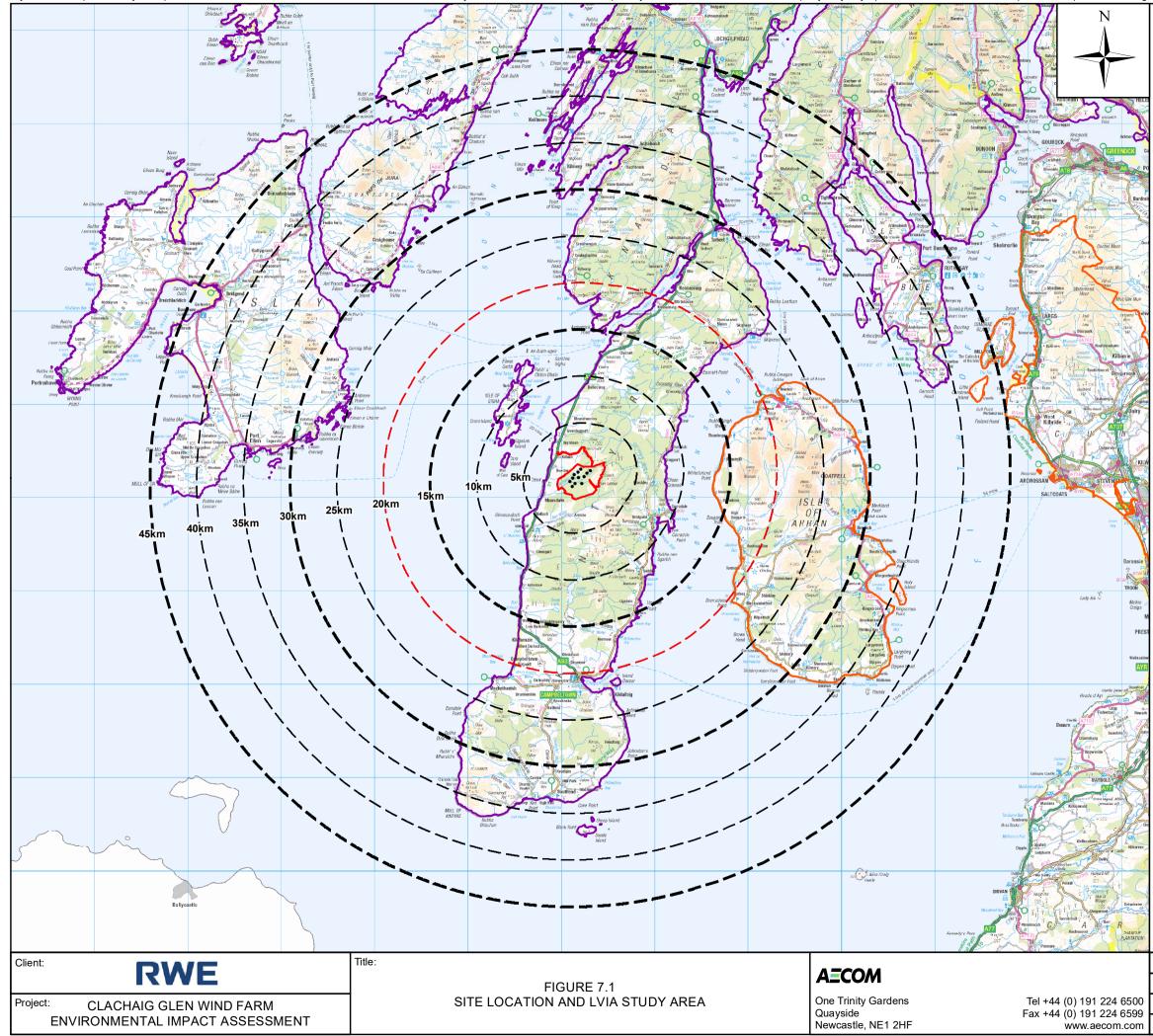
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	Figure 7.2	Topography within the Study Area
EIAR – Volume 2c – Figures 7.1 to 7.4a	Figure 7.3	Proposed Development Site Aerial Photography
	Figure 7.4a	Landscape Designations
	Figure 7.4b	Detailed Study Area Landscape Designations
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EIAR – Volume 2c – Figure 7.6a	Figure 7.6a	Blade Tip ZTV with Viewpoints
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Environmental Impact Assessment Report Volume 2c EIAR LVIA Figures

Figures: 7.1; 7.2; 7.3; 7.4a





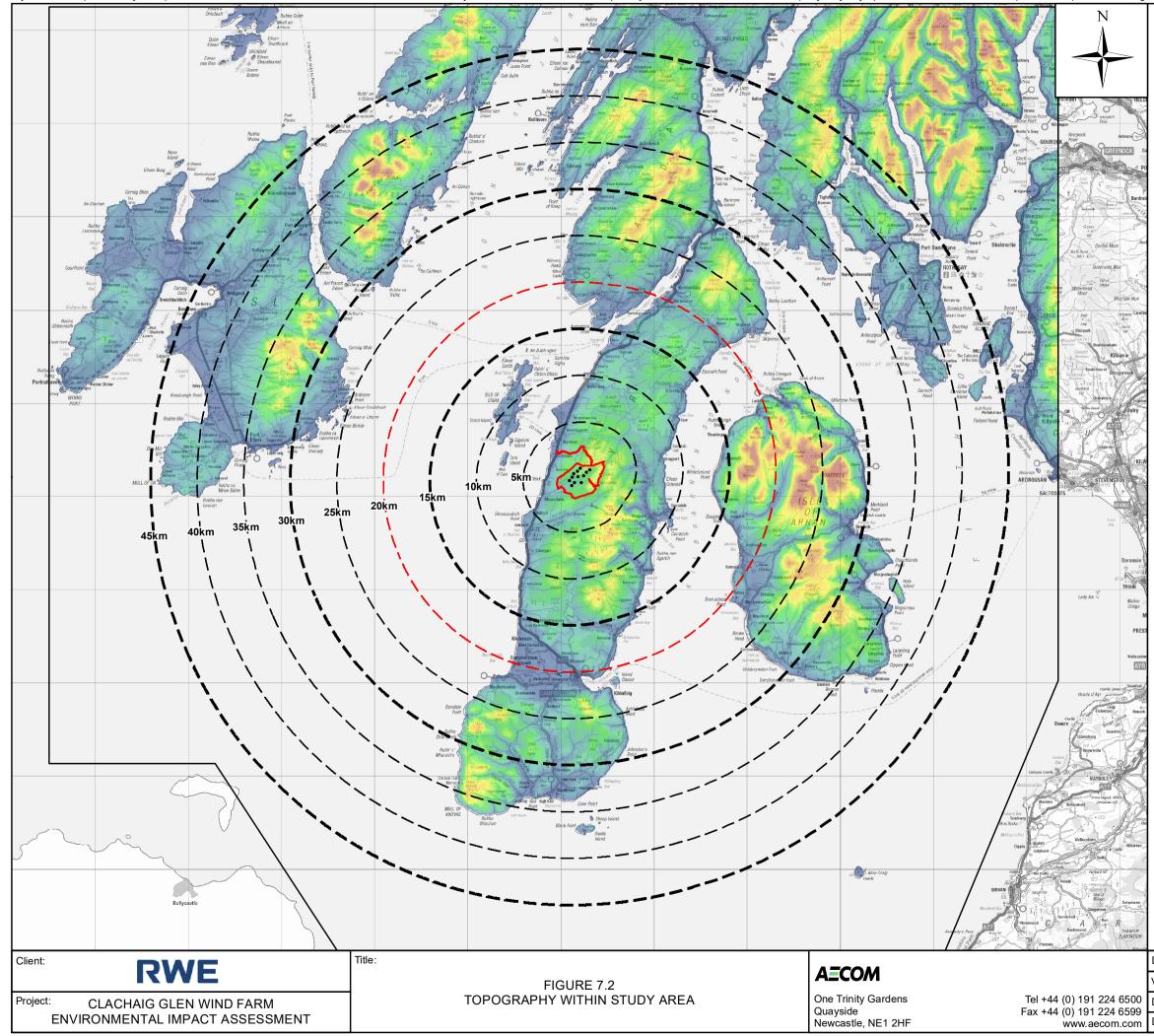
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Development Site
Proposed Turbine Location
5km Distance Bands from Outermost Turbines
Detailed Study Area
Argyll and Bute Local Planning Authority
North Ayrshire Local Planning Authority

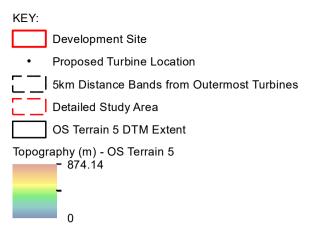
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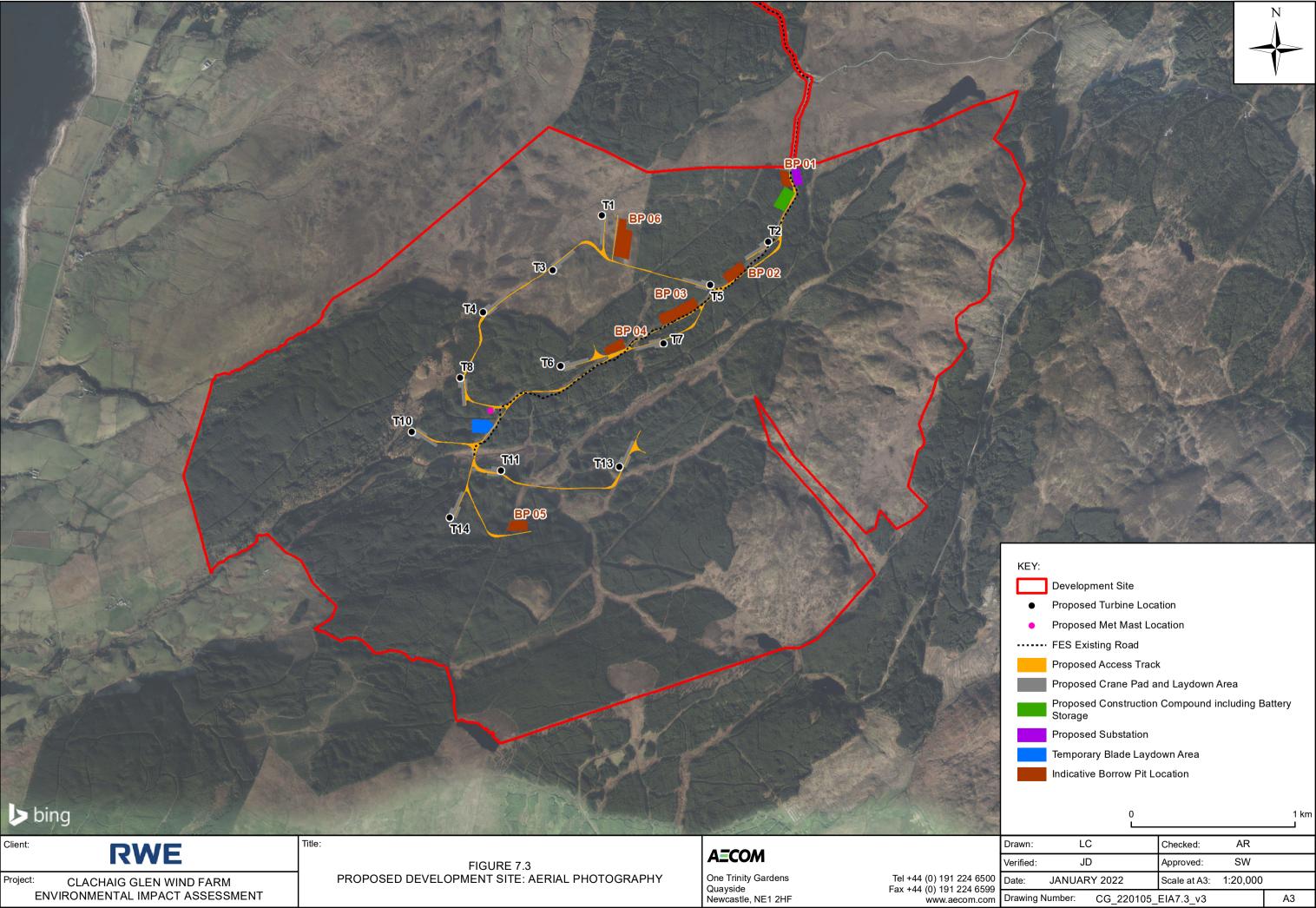
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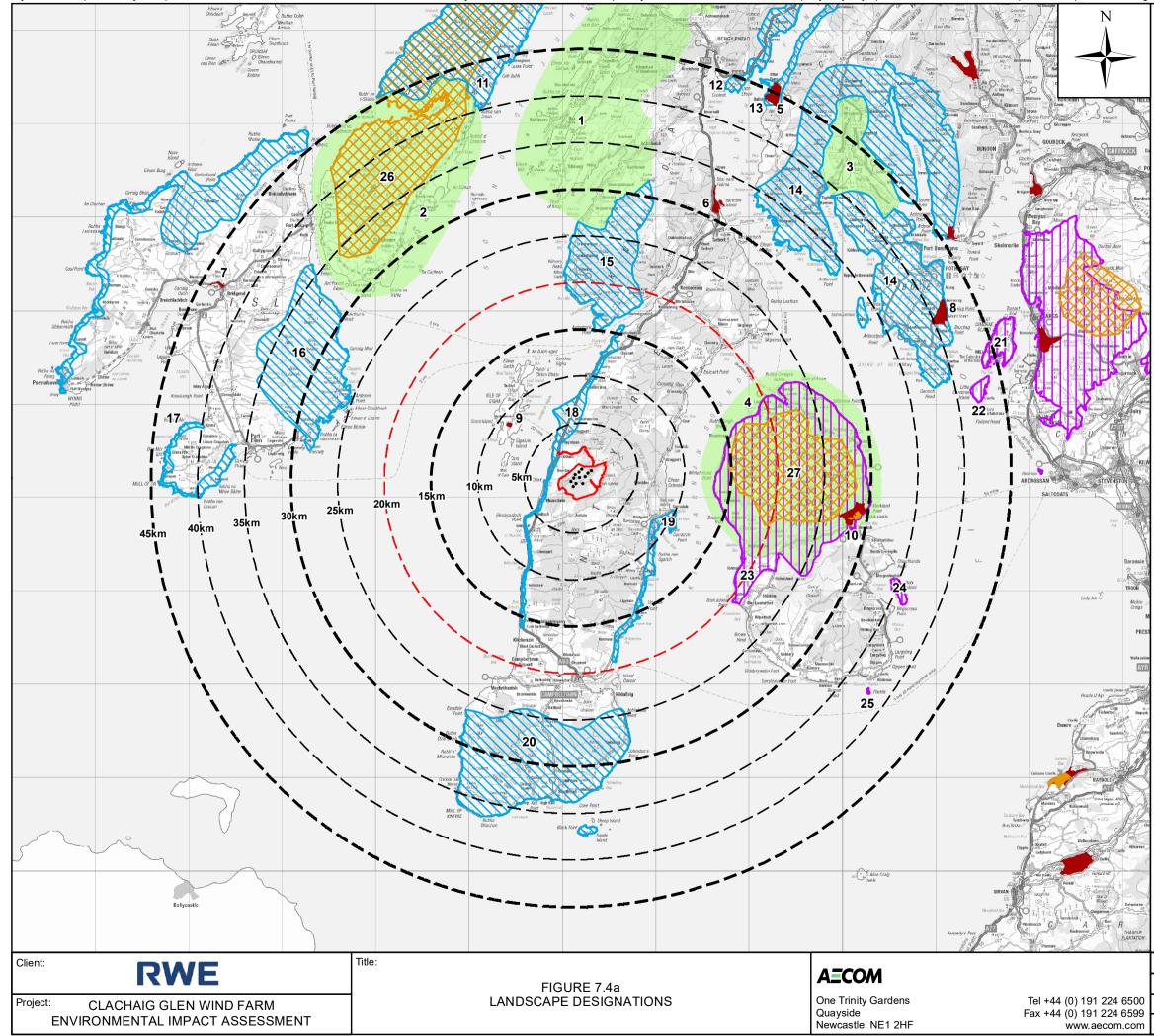
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@ 2021 Microsoft Corporation @ 2021 Maxar @CNES (2021) Distribution Airbus DS

KEY:
Development Site
Proposed Turbine Location
<ul> <li>Proposed Met Mast Location</li> </ul>
FES Existing Road
Proposed Access Track
Proposed Crane Pad and Laydown Area
Proposed Construction Compound including Battery Storage
Proposed Substation
Temporary Blade Laydown Area
Indicative Borrow Pit Location

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KEY:	
	Development Site
•	Proposed Turbine Location
	5km Distance Bands from Outermost Turbines
	Detailed Study Area
	Country Park
	Gardens and Designed Landscapes (GDL)
	National Scenic Area (NSA)
	Area of Panoramic Quality (APQ)
	Special Landscape Area (SLA)
$\mathbb{X}$	Wild Land Area (WLA)

ID	Designation	Name
1	NSA	Knapdale
2	NSA	Jura
3	NSA	Kyles of Bute
4	NSA	North Arran
5	GDL	Ballimore
6	GDL	Stonefield Castle Hotel
7	GDL	Islay House
8	GDL	Mount Stuart (Kirrieniven)
9	GDL	Achamore House
10	GDL & Country Park	Brodick Castle
11	APQ	Jura
12	APQ	West Loch Fyne (Coast)
13	APQ	East Loch Fyne (Coast)
14	APQ	Bute & South Cowal
15	APQ	Knapdale / Melfort
16	APQ	South & East Islay
17	APQ	South West Islay
18	APQ	West Kintyre (Coast)
19	APQ	East Kintyre (Coast)
20	APQ	Mull of Kintyre
21	SLA	Great Cumbrae
22	SLA	Little Cumbrae
23	SLA	North Arran
24	SLA	Holy Island
25	SLA	Pladda
26	WLA	Jura, Scarba Lunga and Garvellachs
27	WLA	North Arran

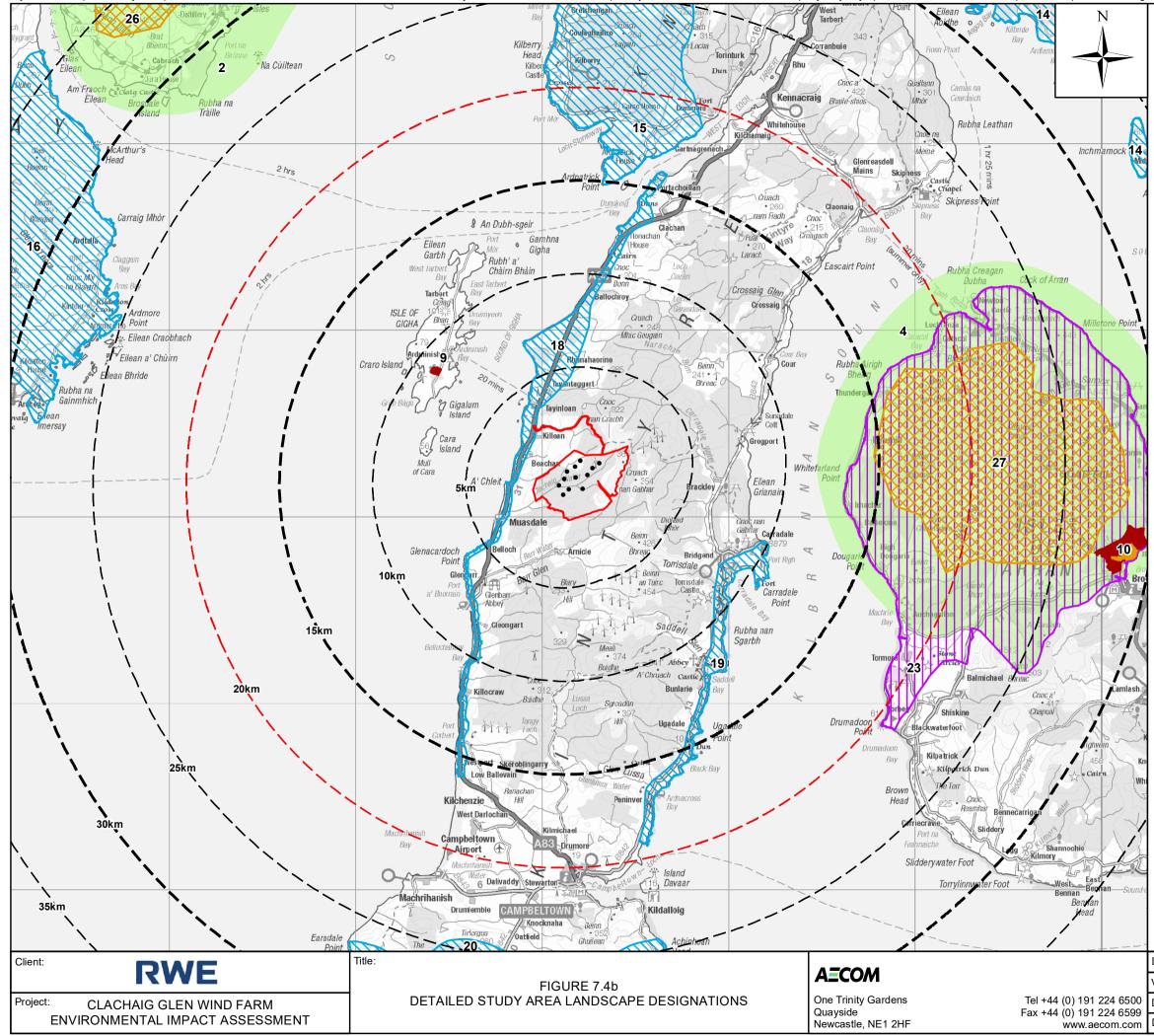
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Environmental Impact Assessment Report Volume 2c EIAR Figure

Figures: 7.4b; 7.5a; 7.5b



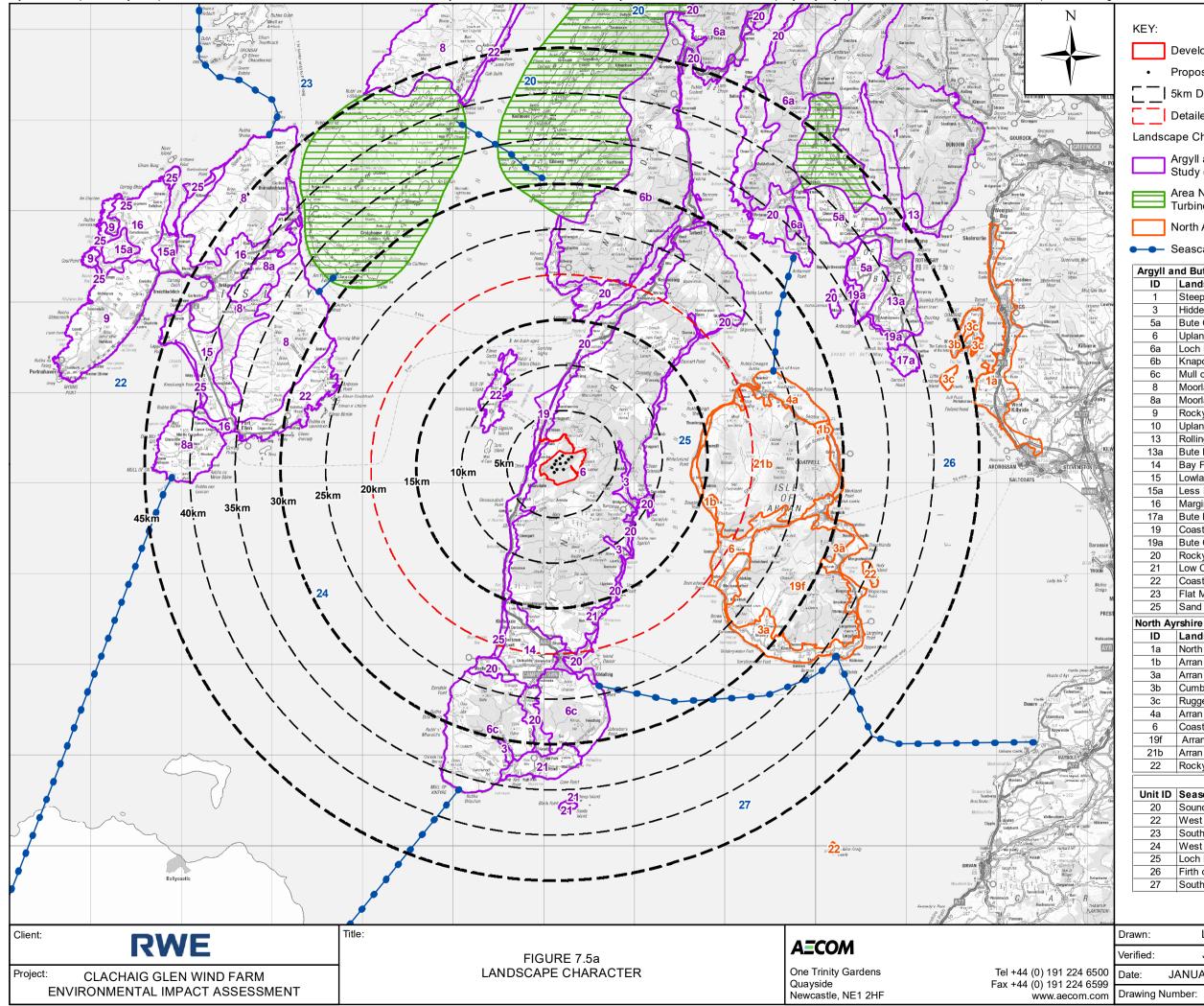


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ID	Designation	Name
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3	NSA	Kyles of Bute
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6	GDL	Stonefield Castle Hotel
7	GDL	Islay House
8	GDL	Mount Stuart (Kirrieniven)
9	GDL	Achamore House
10	GDL & Country Park	Brodick Castle
11	APQ	Jura
12	APQ	West Loch Fyne (Coast)
13	APQ	East Loch Fyne (Coast)
14	APQ	Bute & South Cowal
15	APQ	Knapdale / Melfort
16	APQ	South & East Islay
17	APQ	South West Islay
18	APQ	West Kintyre (Coast)
19	APQ	East Kintyre (Coast)
20	APQ	Mull of Kintyre
21	SLA	Great Cumbrae
22	SLA	Little Cumbrae
23	SLA	North Arran
24	SLA	Holy Island
25	SLA	Pladda
26	WLA	Jura, Scarba Lunga and Garvellachs
27	WLA	North Arran

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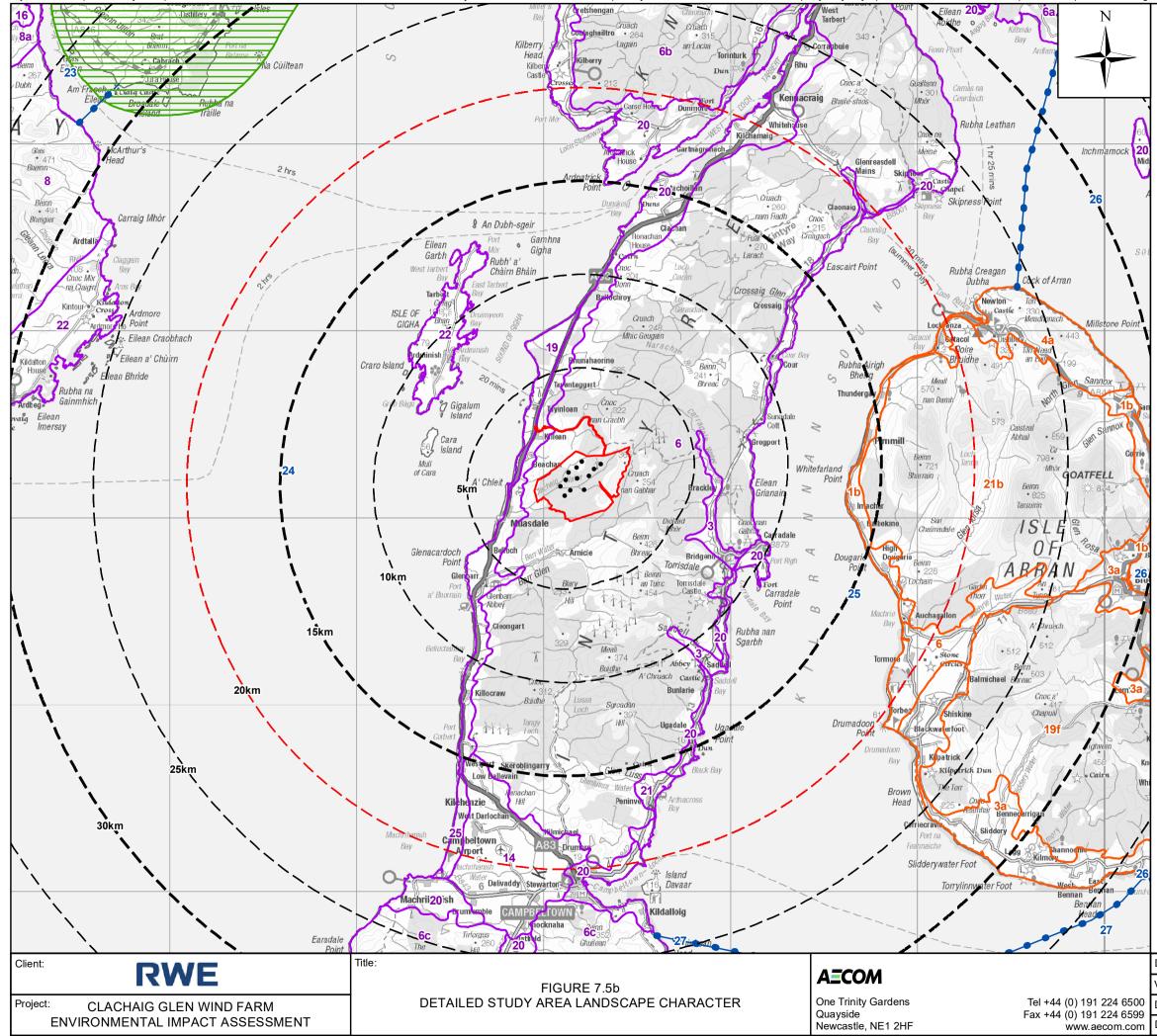


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KEY:						
	Development Site					
• F	Proposed Turbine Loca	ition				
[]]5	km Distance Bands fro	om Outermost Turbines				
	Detailed Study Area					
	pe Character Type					
	Argyll and Bute Landsc Study (2017)	ape Wind Energy Capacity				
	Area Not Considered in Furbines Over 50m in H	n the Capacity Study for Height				
N	lorth Ayrshire Landsca	ape Wind Capacity Study (2018)				
	Seascape Unit Bounda					
Argyll a ID		nd Energy Capacity Study (2017)				
1 1	Landscape Character T Steep Ridgeland and Mor					
3	Hidden Glens					
5a	Bute Open Ridgeland					
6	Upland Forest Moor Mos					
6a	Loch Fyne Upland Forest					
6b	Knapdale Upland Forest					
6c	Mull of Kintyre Upland Fo	prest Moor Mosaic				
8 8a	Moorland Plateau Moorland Plateau with Fa	armland				
8a 9	Rocky Moorland					
10	Upland Parallel Ridges					
13	Rolling Farmland with Es	tates				
13a	Bute Rolling Farmland wi					
14	Bay Farmland					
15	Lowland Bog and Moor					
15a	Less Extensive Lowland	Bog and Moor				
16	Marginal Farmland Mosa	ic				
17a	Bute Basalt Lowlands					
19	Coastal Plain					
19a	Bute Coastal Plain					
20	Rocky Mosaic					
21 22	Low Coastal Hills Coastal Parallel Ridges					
22	Flat Moss and Mudflats					
25	Sand Dunes and Machai	r .				
	ļ					
	rshire Landscape Wind Landscape Character 1					
ID 1a	North Ayrshire Raised Be					
1a 1b	Arran Raised Beach Coa					
3a	Arran Coastal Fringe with					
3b	Cumbraes Coastal Fringe					
3c	Rugged Island Core					
4a	Arran Coastal Headland					
6	Coastal Lowland Moor					
19f	Arran Rugged Moorland					
21b	Arran Rugged Granite Up	plands				
22	Rocky Volcanic Island					
	Seascape Uni					
Unit ID	Seascape Character Unit					
20	Sound of Mull / Firth of Lorn / Sound of Jura					
	22     West Islay       23     South Mull / Colonsay / West Jura / Sound of Islay					
24 West Kintyre / South East Jura and South East Islay						
25 Loch Fyne / Kilbrannan Sound						
26 Firth of Clyde						
27		shire / South East Kintrye				
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22

ID

Coastal Parallel Ridges 25 Sand Dunes and Machair

Landscape Character Type

1b Arran Raised Beach Coast

North Ayrshire Landscape Wind Capacity Study (2018)

KEY:	
	Development Site
• F	Proposed Turbine Location
	ikm Distance Bands from Outermost Turbines
	Detailed Study Area
Landsca	pe Character Type
	Argyll and Bute Landscape Wind Energy Capacity Study (2017)
	Area Not Considered in the Capacity Study for Furbines Over 50m in Height
	North Ayrshire Landscape Wind Capacity Study (2018)
• <b>•</b> ••• s	Seascape Unit Boundary - SNH (2005)
Argyll a	nd Bute Landscape Wind Energy Capacity Study (2017)
ID	Landscape Character Type
3	Hidden Glens
5a	Bute Open Ridgeland
6	Upland Forest Moor Mosaic
6a	Loch Fyne Upland Forest Moor Mosaic
6b	Knapdale Upland Forest Moor Mosaic
6c	Mull of Kintyre Upland Forest Moor Mosaic
8	Moorland Plateau
8a	Moorland Plateau with Farmland
14	Bay Farmland
16	Marginal Farmland Mosaic
19	Coastal Plain
20	Rocky Mosaic
21	Low Coastal Hills

3a	Arran Coastal Fringe with Agriculture
4a	Arran Coastal Headland
6	Coastal Lowland Moor
19f	Arran Rugged Moorland Hills & Valleys
21b	Arran Rugged Granite Uplands
210	
210	Seascape Unit - SNH (2005)
Unit ID	
	Seascape Unit - SNH (2005)
Unit ID	Seascape Unit - SNH (2005) Seascape Character Unit

20	Court Mail / Colonedy / West Bara / Courte of Islay
24	West Kintyre / South East Jura and South East Islay
25	Loch Fyne / Kilbrannan Sound
26	Firth of Clyde
27	South Arran / South Ayrshire / South East Kintrye

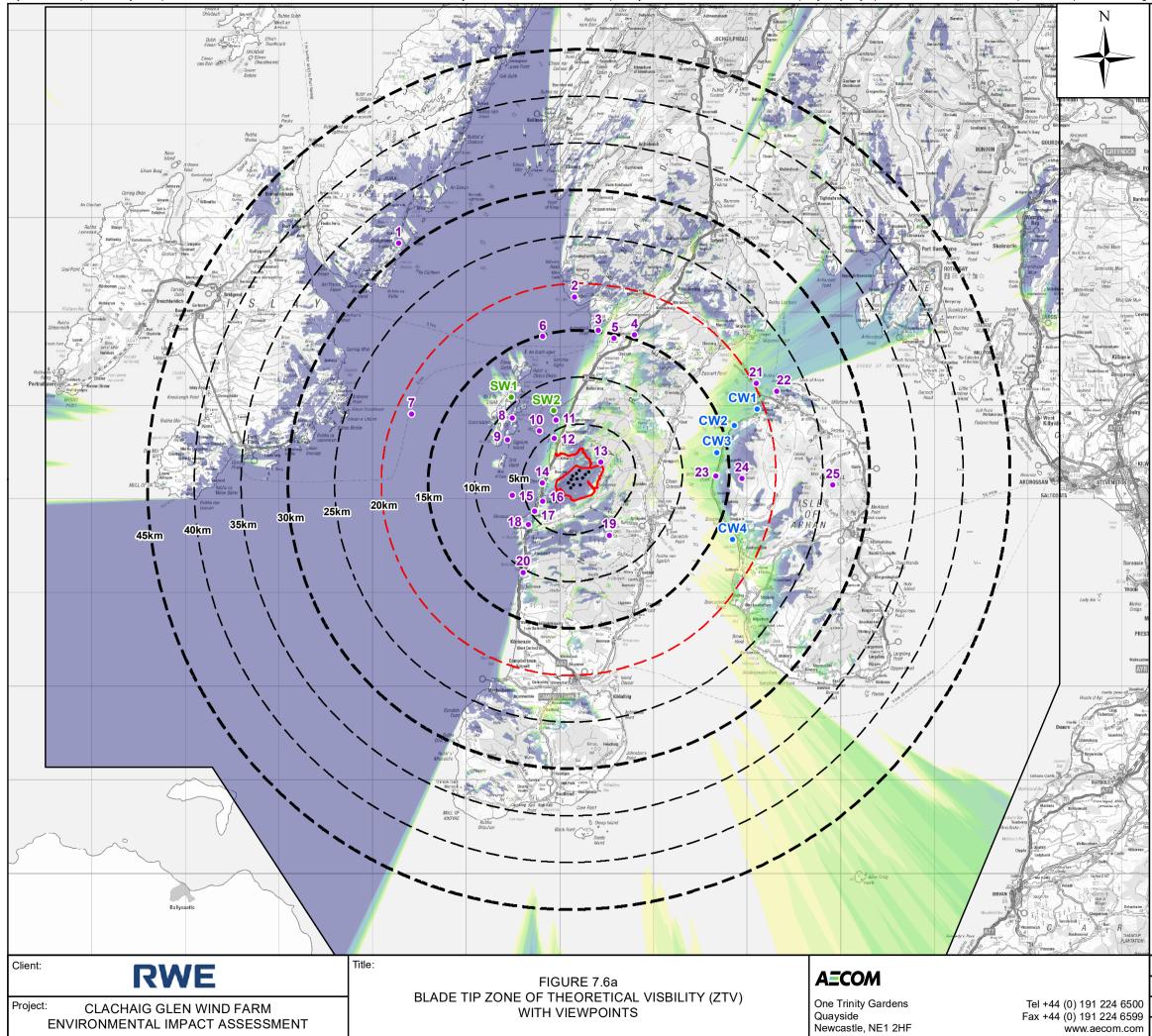
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Environmental Impact Assessment Report Volume 2c EIAR LVIA Figures

Figure: 7.6a



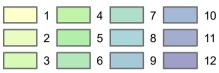


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### KEY: **Development Site**

- Proposed Turbine Location
- 5km Distance Bands from Outermost Turbines
- Detailed Study Area
- OS Terrain 5 DTM Extent
- LVIA Viewpoint Location
- Supplementary Wireline Viewpoint Location •
- Supplementary Cumulative Wireline Viewpoint Location

### Number of Turbines Visible:



Viewpoint Location					
ID	Name	Х	Y		
1	Craighouse, Jura	152740	667370		
2	B8024 south of Kilberry	171541	661638		
3	Ardpatrick	174063	658086		
4	A83 north of Clachan	177920	657558		
5	Dun Skeig	175775	657185		
6	Kennacraig - Port Askaig Ferry	168126	657382		
7	Kennacraig - Port Ellen Ferry	154091	649118		
8	Ardminish, Gigha	164896	648662		
9	South Pier, Gigha	164371	646362		
10	Sound of Gigha from Gigha Ferry	167781	647310		
11	Rhunahaorine/ Point Sands near the caravan park	169539	648433		
12	Tayinloan Ferry Terminal	169336	646531		
13	Kintyre Way north of site	174336	643968		
14	A'Chleit	168106	641746		
15	Sound of Gigha from recreational watercraft	164905	640419		
16	North Muasdale	168136	639771		
17	A83 south of Muasdale	167248	638737		
18	Glenacardoch	166619	637287		
19	Beinn an Tuirc	175223	636169		
20	A83 near Bellochantuy	166040	632191		
21	Lochranza - Claonaig Ferry	190950	652364		
22	Newton Point, Arran	193137	651538		
23	A841 Whitefarland, Arran	186613	642531		
24	Beinn Bharrain, Arran	189439	642218		
25	Goatfell, Arran	199135	641538		
	Creag Bhan, Gigha		650900		
SW2	Kintyre Way, Rhunahaorine north	169315	649455		
-	Catacol, Arran		649630		
	Rubha Airigh Beirg, Arran	188595	647875		
	Kilbrannan Sound, northwest of Pirnmill		645010		
CW4	Kilbrannan Sound, Machrie Bay	188410	635690		

#### NOTE:

- Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model, which does not take account of the screening effects of vegetation, buildings or other structures.
- ZTV is based upon a maximum layout of 12 turbines using an observer eye height of 2m above ground level. Tip Height: T1-T6 & T8 - 185m, T7 & T10-T14 - 200m
- All heights mentioned are above ground level (AGL).

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**Environmental Impact Assessment Report** 

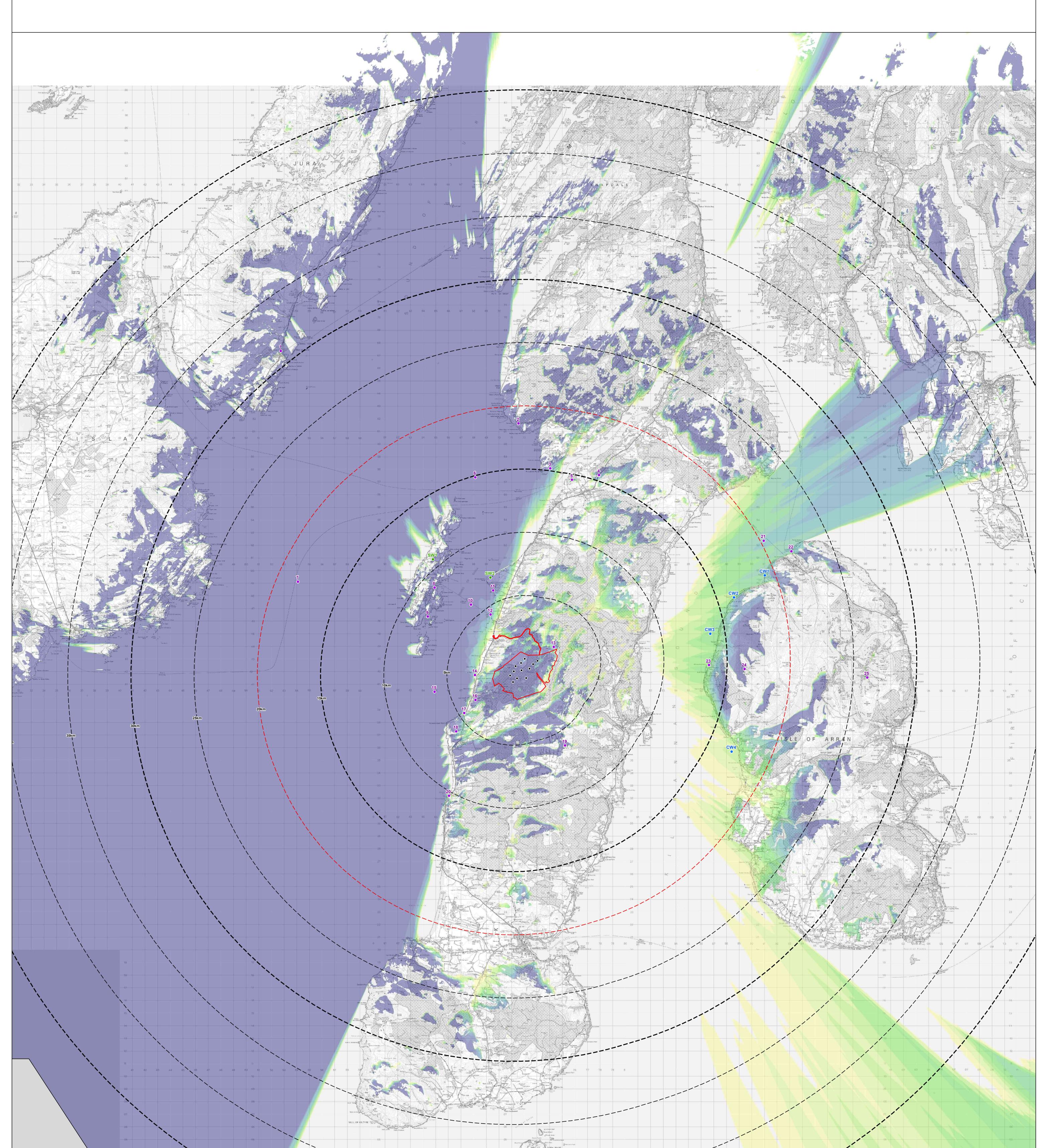
Volume 2c

# EIAR LVIA Figures

# Figure: 7.6b



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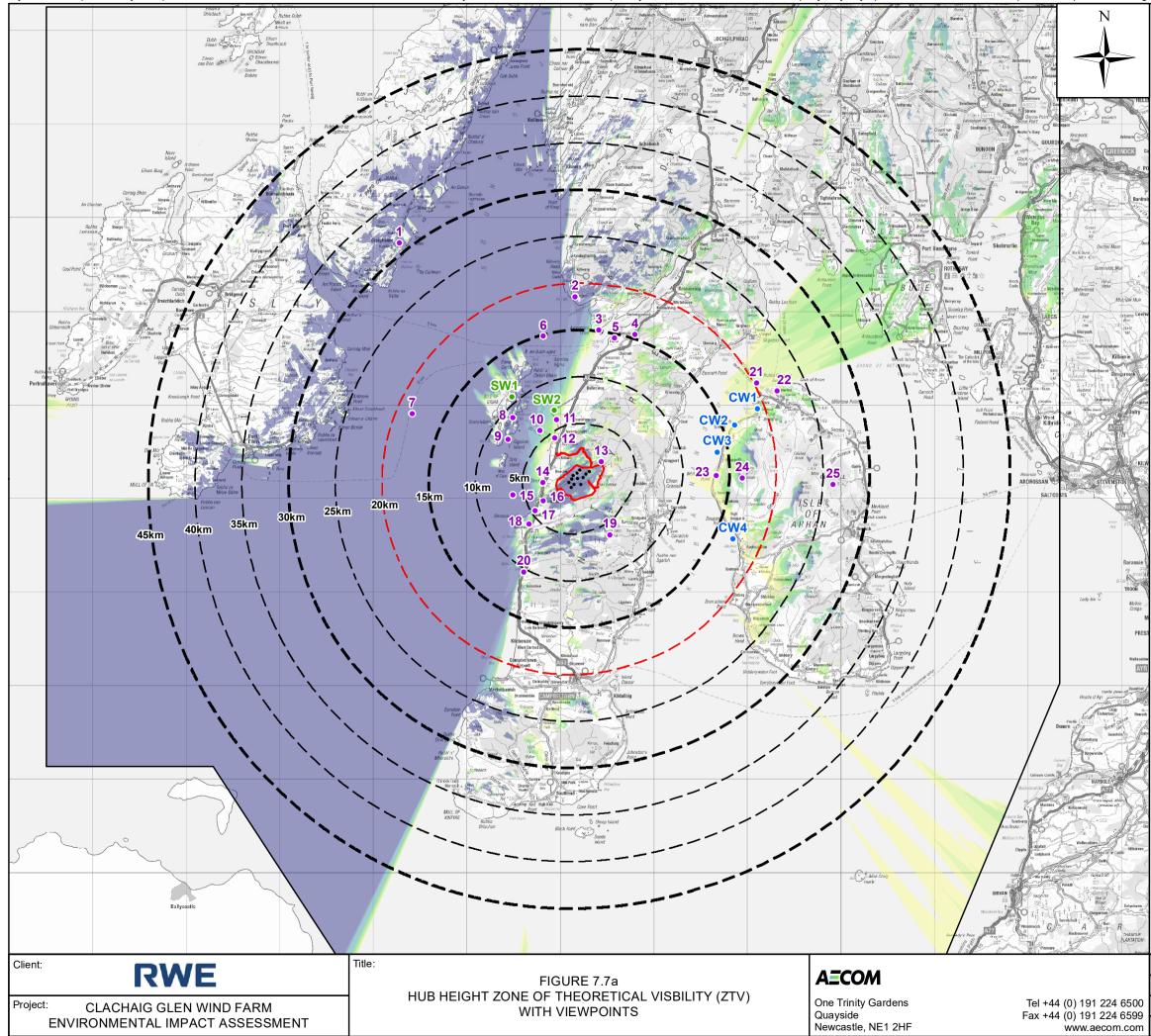
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KEY:	Viewpoint Location				00
Development Site	ID         Name         X         Y           1         Craighouse, Jura         152740         667370				Subminity and Subministration and Subministrational S
[ ] 5km Distance Bands from Outermost Turbines	2         B8024 south of Kilberry         171541         661638				- 99 Transm
Detailed Study Area	3 Ardpatrick 174063 658086				
Proposed Turbine Location	4         A83 north of Clachan         177920         657558           5         Dun Skeig         175775         657185				96. 98.
LVIA Viewpoint Location	6 Kennacraig – Port Askaig Ferry 168126 657382				
<ul> <li>Supplementary Wireline Viewpoint Location</li> </ul>	7Kennacraig - Port Ellen Ferry154091649118				
	8         Ardminish, Gigha         164896         648662           9         South Pier, Gigha         164371         646362				
Supplementary Cumulative Wireline Viewpoint Location	Image: Source of Control of Cont				
OS Terrain 5 DTM Extent	11 Rhunahaorine/ Point Sands near the caravan park 169539 648433				
Number of Turbines Visible:	12         Tayinloan Ferry Terminal         169336         646531           13         Kintyre Way north of site         174336         643968				
1 4 7 10	14 A'Chleit 168106 641746				
2 5 8 11	15 Sound of Gigha from recreational watercraft 164905 640419				
	16         North Muasdale         168136         639771           17         A83 south of Muasdale         167248         638737				
	10 Clanacardech 100010 022007				
	19         Beinn an Tuirc         175223         636169				
NOTE: Zono of Theoretical Visibility (ZTV) has been generated usin	20         A83 near Bellochantuy         166040         632191           g         21         Lochranza - Claonaig Ferry         190950         652364				
Zone of Theoretical Visibility (ZTV) has been generated usin Ordnance Survey Terrain 5 digital terrain model, which does	g         21         Locinaliza - Claonalg Perry         190930         652304           22         Newton Point, Arran         193137         651538				
not take account of the screening effects of vegetation,	23         A841 Whitefarland, Arran         186613         642531				
buildings or other structures.	18         Glenacardoch         160619         637287           19         Beinn an Tuirc         175223         636169           20         A83 near Bellochantuy         166040         632191           21         Lochranza - Claonaig Ferry         190950         652364           22         Newton Point, Arran         193137         651538           23         A841 Whitefarland, Arran         186613         642531           24         Beinn Bharrain, Arran         189439         642218           25         Goatfell, Arran         199135         641538           8W1         Creag Bhan, Gigha         164780         650900				
ZTV is based upon a maximum layout of 12 turbines using a	25         Goatfell, Arran         199135         641538           n         SW1         Creag Bhan, Gigha         164780         650900				
observer eye height of 2m above ground level. Tip Height: T1-T6 & T8 - 185m, T7 & T10-T14 - 200m	SW2Kintyre Way, Rhunahaorine north169315649455				
Tip Height: T1-T6 & T8 - 185m, T7 & T10-T14 - 200m	SW2         Kintyre Way, Rhunahaorine north         169315         649455           CW1         Catacol, Arran         191040         649630           CW2         Rubha Airigh Beirg, Arran         188595         647875				
All heights mentioned are above ground level (AGL).	CW2Rubna Alrign Beirg, Arran188595647875CW3Kilbrannan Sound, northwest of Pirnmill186715645010				
	CW3Kilbrannan Sound, northwest of Pirnmill186715645010CW4Kilbrannan Sound, Machrie Bay188410635690				
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	EINVIRUINIVIENTAL IMPAUT ASSESSMENT	BLADE TIP ZONE OF THEORETICAL VISBILITY (ZTV) WITH VIEWPOINTS		IUARY 2022 Scale at A0: 1:100,000	
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Environmental Impact Assessment Report Volume 2c EIAR LVIA Figures

Figure: 7.7a



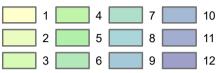


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6	Kennacraig - Port Askaig Ferry	168126	657382		
7	Kennacraig - Port Ellen Ferry	154091	649118		
8	Ardminish, Gigha	164896	648662		
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25	Goatfell, Arran	199135	641538		
SW1	Creag Bhan, Gigha	164780	650900		
SW2	Kintyre Way, Rhunahaorine north	169315	649455		
CW1	Catacol, Arran	191040	649630		
	Rubha Airigh Beirg, Arran	188595	647875		
CW3	Kilbrannan Sound, northwest of Pirnmill	186715	645010		
CW4	Kilbrannan Sound, Machrie Bay	188410	635690		

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All heights mentioned are above ground level (AGL).

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**Environmental Impact Assessment Report** 

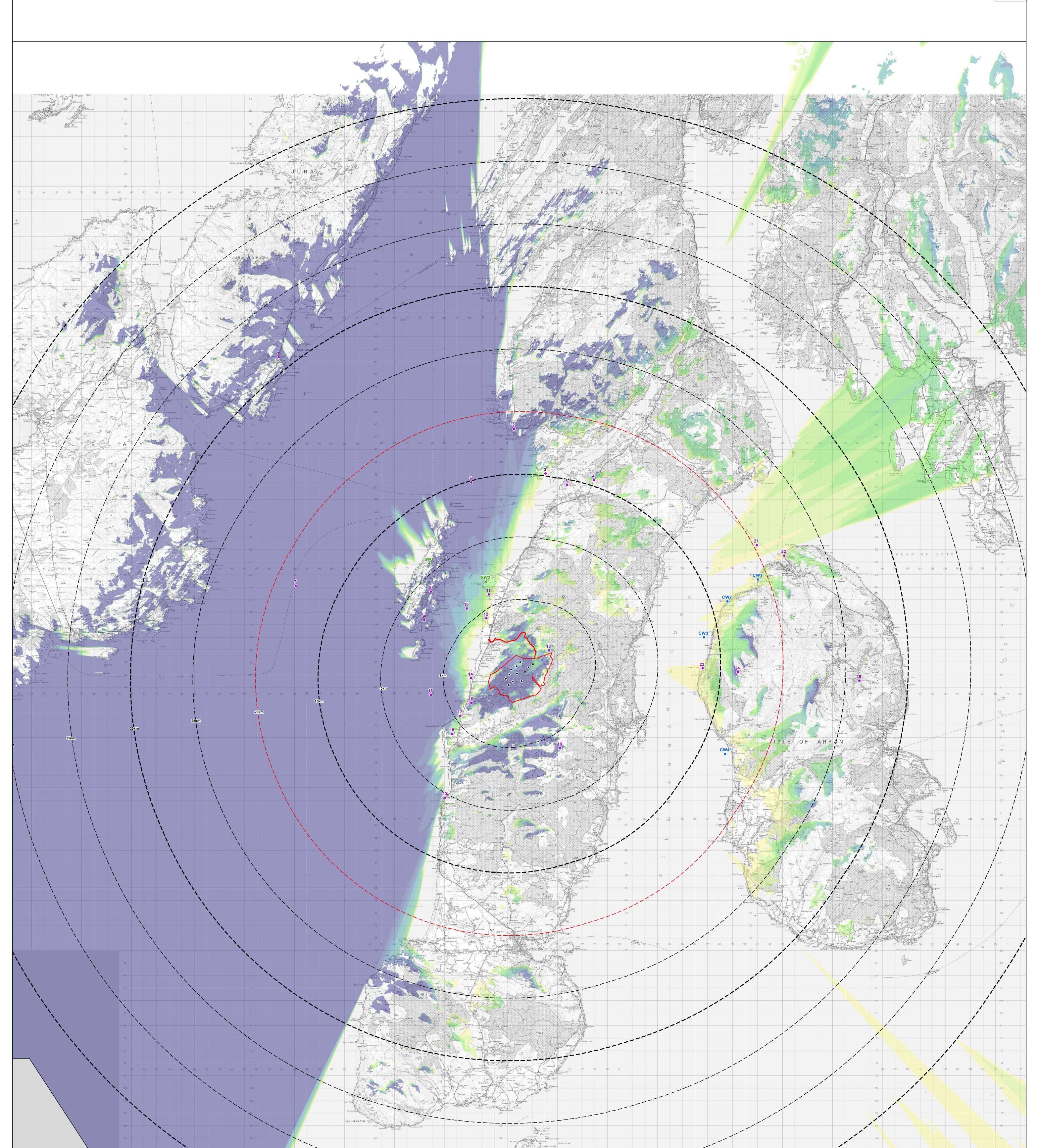
Volume 2c

# EIAR LVIA Figures

# Figure: 7.7b



Ν



-04 -03 -02 -07			04 10 10 10 10 10 10 10 10 10 10			04 03 02 01 10 11
<ul> <li>KEY:</li> <li>Development Site</li> <li>5km Distance Bands from Outermost Turbines</li> <li>Detailed Study Area</li> <li>Proposed Turbine Location</li> <li>LVIA Viewpoint Location</li> <li>Supplementary Wireline Viewpoint Location</li> </ul>	Viewpoint Location           ID         Name         X         Y           1         Craighouse, Jura         152740         667370           2         B8024 south of Kilberry         171541         661638           3         Ardpatrick         174063         658086           4         A83 north of Clachan         177920         657558           5         Dun Skeig         175775         657185           6         Kennacraig - Port Askaig Ferry         168126         657382           7         Kennacraig - Port Ellen Ferry         154091         649118           8         Ardminish, Gigha         164371         646362           9         South Pier, Gigha from Gigha Ferry         167781         647310			$\begin{bmatrix} & & & & & & & & & & & & & & & & & & &$	0         01         3 mm Over         03         04         05         06         07         08         08           0         0         Alas OA A         100         06         07         08         08           0         0         Alas OA A         100         100         06         07         08         08           99         Teams to 1 Mm M         100	99 98 97
<ul> <li>Supplementary Cumulative Wireline Viewpoint Location</li> <li>OS Terrain 5 DTM Extent</li> <li>Number of Turbines Visible:</li> <li>1 4 7 10</li> <li>2 5 8 11</li> <li>3 6 9 12</li> </ul>	11Rhunahaorine/ Point Sands near the caravan park16953964843312Tayinloan Ferry Terminal16933664653113Kintyre Way north of site17433664396814A'Chleit16810664174615Sound of Gigha from recreational watercraft16490564041912Nucl. Mathematical Mathematica				96.	- 36
NOTE: Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model, which does not take account of the screening effects of vegetation, buildings or other structures. ZTV is based upon a maximum layout of 12 turbines using ar observer eye height of 2m above ground level. Hub Height: T1-T6 & T8 - 112m, T7 & T10-T14 - 132m	22         Newton Point, Arran         193137         651538           23         A841 Whitefarland, Arran         186613         642531           24         Beinn Bharrain, Arran         189439         642218           25         Goatfell, Arran         199135         641538           SW1         Creag Bhan, Gigha         164780         650900					
All heights mentioned are above ground level (AGL). 0 5 km L lient: Proje	CW2Rubha Airigh Beirg, Arran188595647875CW3Kilbrannan Sound, northwest of Pirnmill186715645010CW4Kilbrannan Sound, Machrie Bay188410635690	Title: FIGURE 7.7b	AECOM	Design: LC Drawn: AR Chk'd: JD App'd: SW		

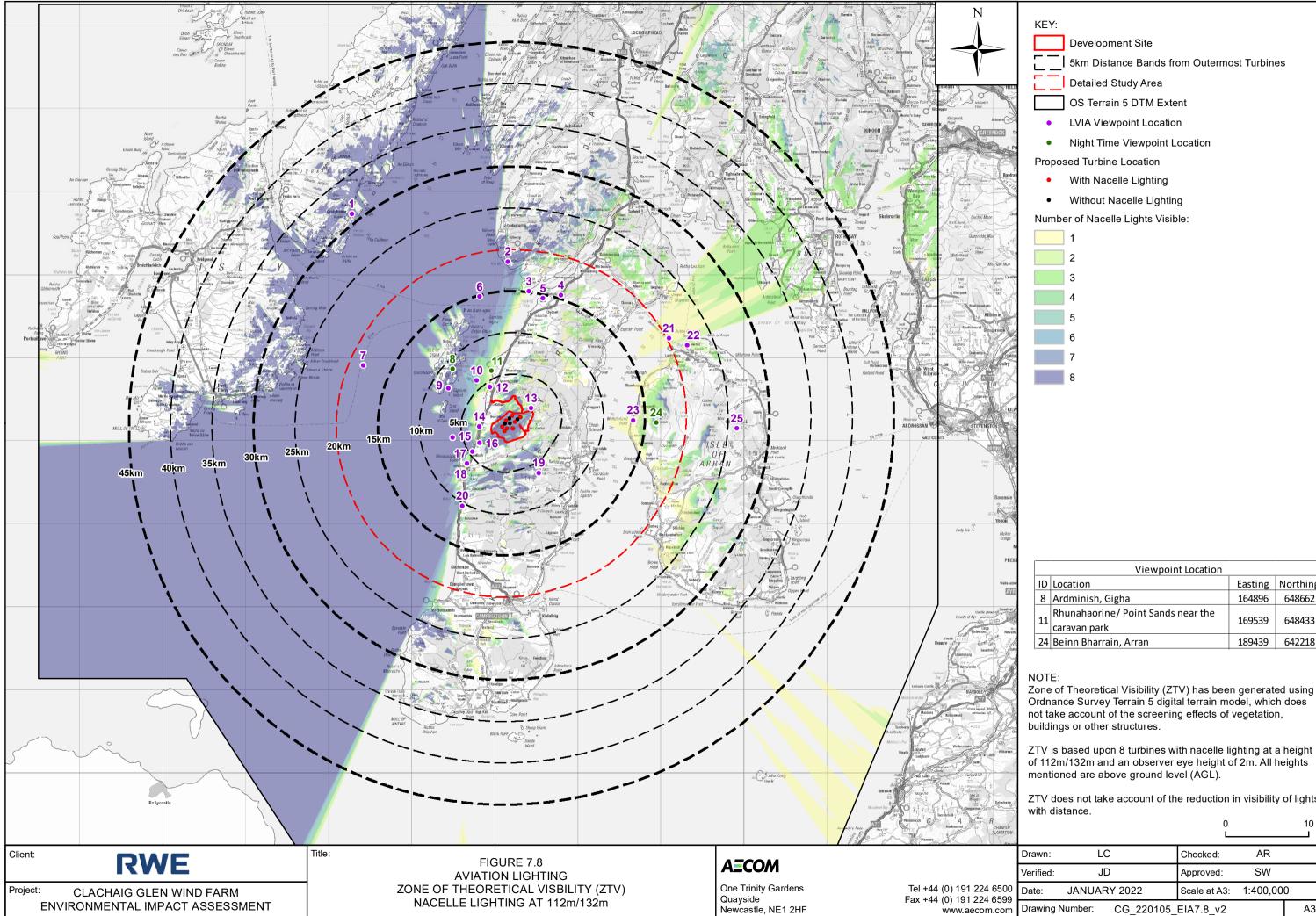
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Environmental Impact Assessment Report Volume 2c EIAR Figures

Figures: 7.8; 7.9; 7.10a; 7.10b





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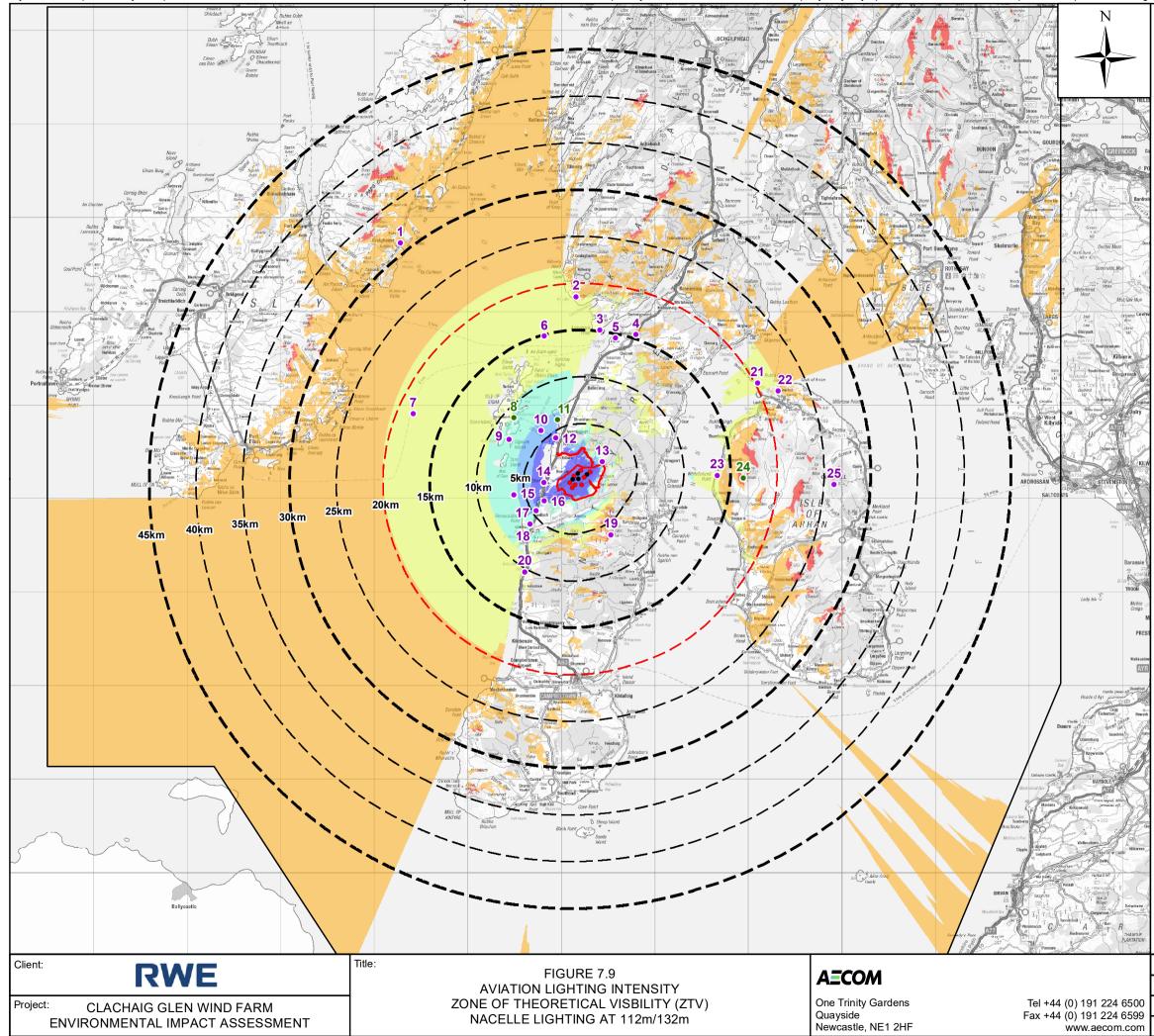
	Viewpoint Location				
ID	Location	Easting	Northing		
8	Ardminish, Gigha	164896	648662		
11	Rhunahaorine/ Point Sands near the caravan park	169539	648433		
24	Beinn Bharrain, Arran	189439	642218		

Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model, which does

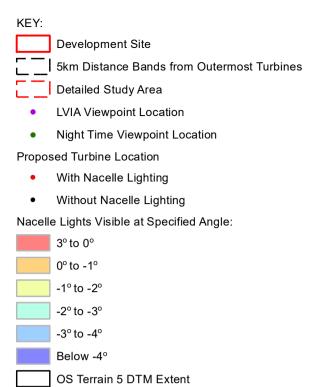
of 112m/132m and an observer eye height of 2m. All heights

ZTV does not take account of the reduction in visibility of lights

		0		10 km	
Drawn:	LC	Checked:	AR		
Verified:	JD	Approved:	SW		
Date:	JANUARY 2022	Scale at A3:	1:400,000	)	
Drawing I	Drawing Number: CG_220105_EIA7.8_v2 A3				



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Vertical angle of light from	Light intensity:	Light intensity:
nacelle (120m)	2000 cd*	200cd
+3° to 0° (horizontal beam)	2500 cd to 2200 cd	250 cd to 220 cd
0° to -1°	2200 cd to 990 cd	220 cd to 99 cd
-1° to -2°	990 cd to 420 cd	99 cd to 42 cd
-2° to -3°	420 cd to 220 cd	42 cd to 22 cd
-3° to -4°	220 cd to 170 cd	22 cd to 17 cd
Below -4°	170 cd to 0 cd	17 cd to 0 cd

\* Light intensity values are based on real world figures from detailed laboratory tests of a popular medium intensity red aviation obstruction light.

	Viewpoint Location				
ID	Location	Easting	Northing		
8	Ardminish, Gigha	164896	648662		
11	Rhunahaorine/ Point Sands near the caravan park	169539	648433		
24	Beinn Bharrain, Arran	189439	642218		

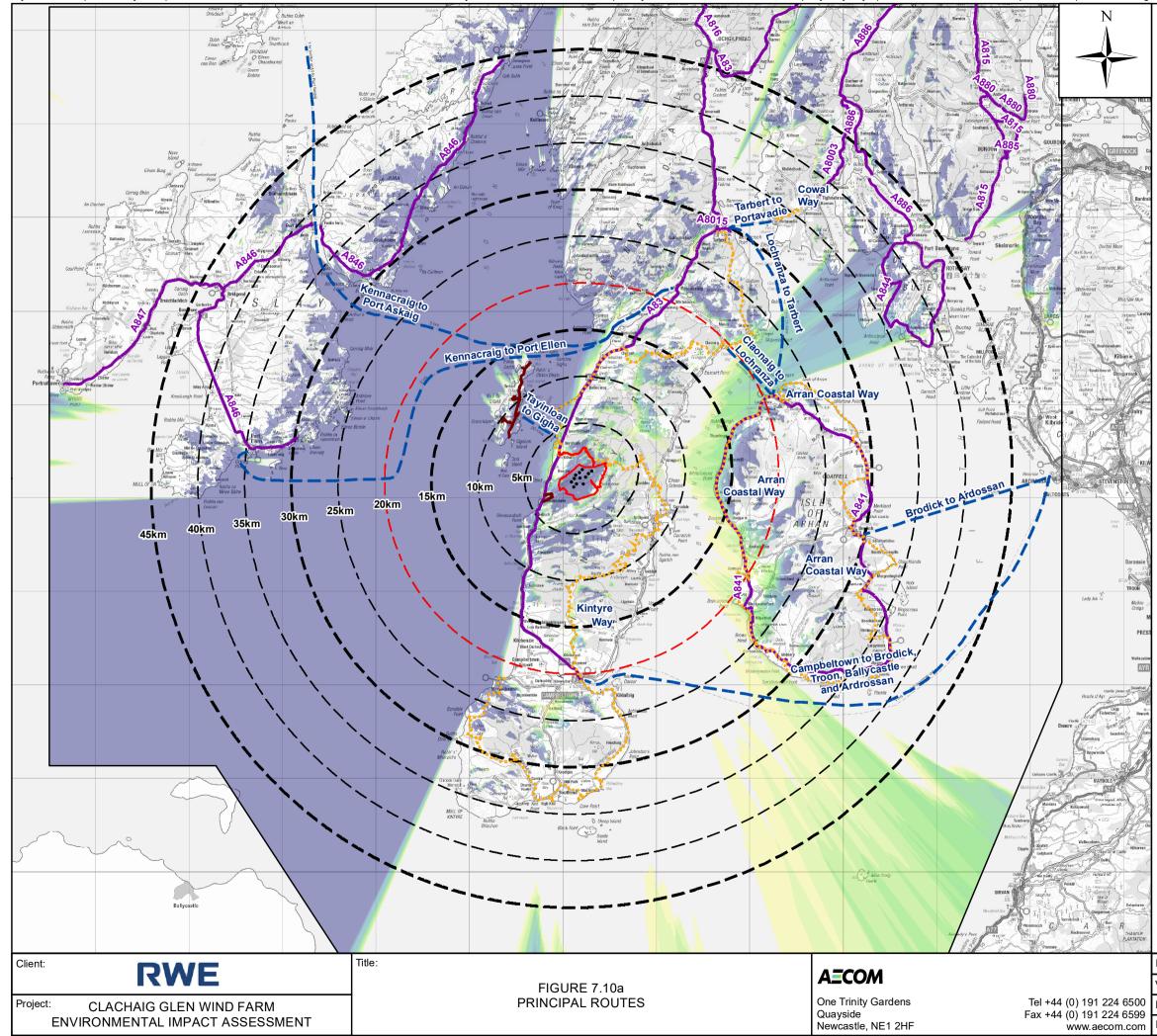
NOTE:

Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model, which does not take account of the screening effects of vegetation, buildings or other structures.

ZTV is based upon 8 turbines with nacelle lighting at a height of 112m/132m and an observer eye height of 2m. All heights mentioned are above ground level (AGL).

ZTV does not take account of the reduction in intensity and visibility of lights with distance.

		0 L		10 km
Drawn:	LC	Checked:	AR	
Verified:	JD	Approved:	SW	
Date:	JANUARY 2022	Scale at A3:	1:400,000	)
Drawing I	Number: CG_220105_	EIA7.9_v2		A3



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KEY:
Development Site
Proposed Turbine Location
5km Distance Bands from Outermost Turbines
Detailed Study Area
A Road
Core Path
Long Distance Footpath
· Ferry Route
OS Terrain 5 DTM Extent
Number of Turbines Visible:
1
2
3
4
5
6
7
8
9
10
11
12

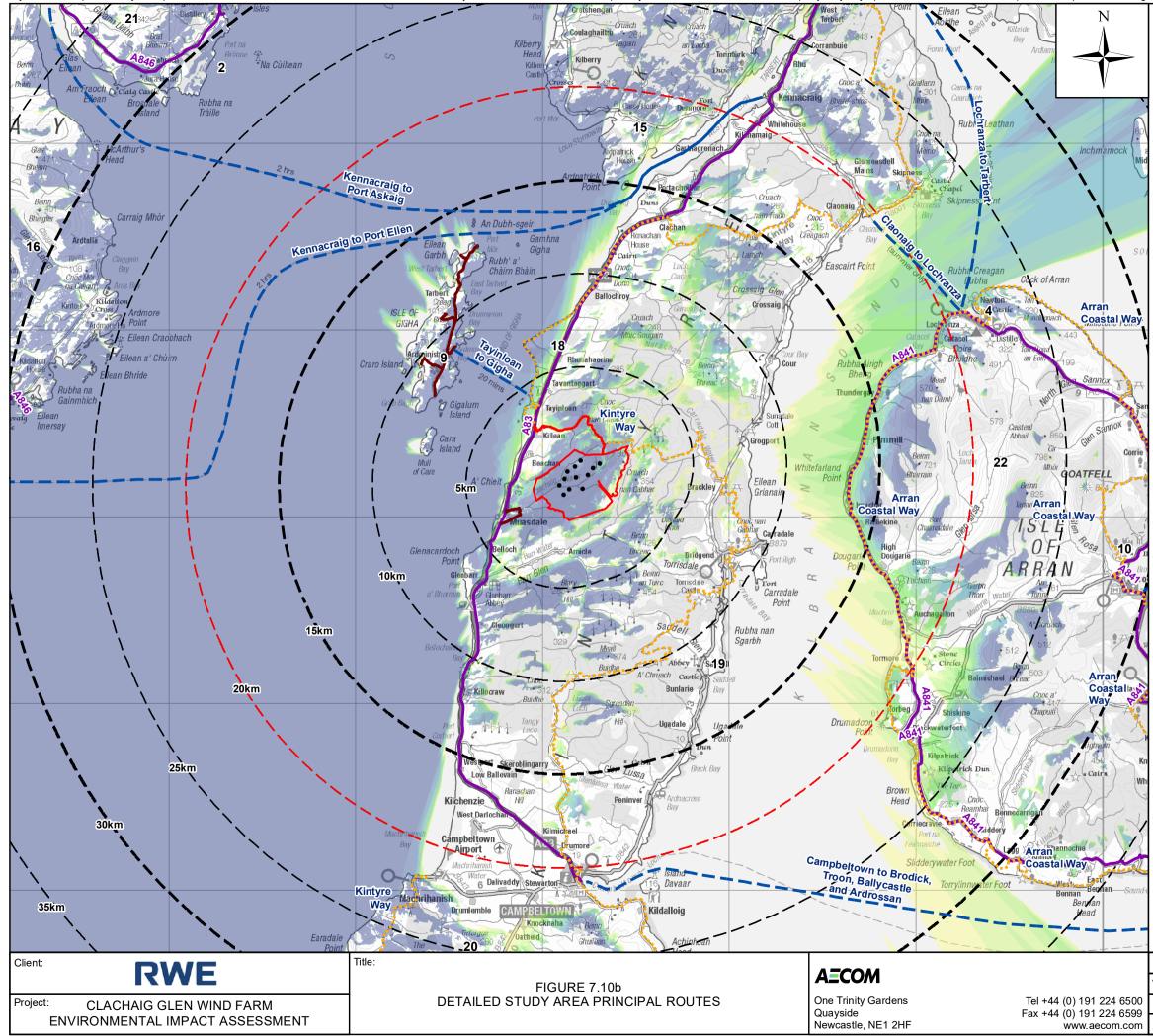
NOTE:

Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model, which does not take account of the screening effects of vegetation, buildings or other structures.

ZTV is based upon a maximum layout of 12 turbines using an observer eye height of 2m above ground level. Tip Height: T1-T6 & T8 - 185m, T7 & T10-T14 - 200m

All heights mentioned are above ground level (AGL).

		0 L	10 km		
Drawn:	LC	Checked: AR			
Verified:	JD	Approved: SW			
Date:	JANUARY 2022	Scale at A3: 1:400,00	0		
Drawing I	Drawing Number: CG_220105_EIA7.10a_v6 A3				
ملممم بتأما	at (2022)				



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KEY:
Development Site
Proposed Turbine Location
5km Distance Bands from Outermost Turbines
Detailed Study Area
A Road
Core Path
Long Distance Footpath
Ferry Route
OS Terrain 5 DTM Extent
Number of Turbines Visible:
1
2
3
4
5
6
7
8
9
10
11
12

NOTE:

Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model, which does not take account of the screening effects of vegetation, buildings or other structures.

ZTV is based upon a maximum layout of 12 turbines using an observer eye height of 2m above ground level. Tip Height: T1-T6 & T8 - 185m, T7 & T10-T14 - 200m

All heights mentioned are above ground level (AGL).

	0			10 km
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Environmental Impact Assessment Report Volume 2c EIAR Figures

Figures: 7.11; 7.12; 7.13; 7.14; 7.15



N S Quan A'Chruach Barrandaimh Single N Turbine Phase 2 **Cruach Mho** Tarbert Lodge ---- Allt Dearg Srondoir Gartnagrenach Freasdail Farm Wind Farm Land East Of Kelburn Glenegadale Hunte . Lotts Wardlaw Wood Millour Hill Gigha Ardrossan Leim Farm, Tigh Creagach Isle of Gigha Cour Deucheran 10km FRICTIS 15km Hill 30km 25km 20km Auchadaduie/ Killegruer 35km 45km 40km Beinn an Tuirc Extension 60km Beinn an Tuirc High Bellochantuy Farm Tangy Phase III Tangy Farm Tangy Extension Largiemore Auchaleek Farm Farm Ballybracken CAIRNRYAN to 2 hrs Title: Client: RWE AECOM FIGURE 7.11 Project: CUMULATIVE AREA OF SEARCH (60KM) One Trinity Gardens Tel +44 (0) 191 224 6500 CLACHAIG GLEN WIND FARM Quayside Fax +44 (0) 191 224 6599 ENVIRONMENTAL IMPACT ASSESSMENT Newcastle, NE1 2HF www.aecom.com

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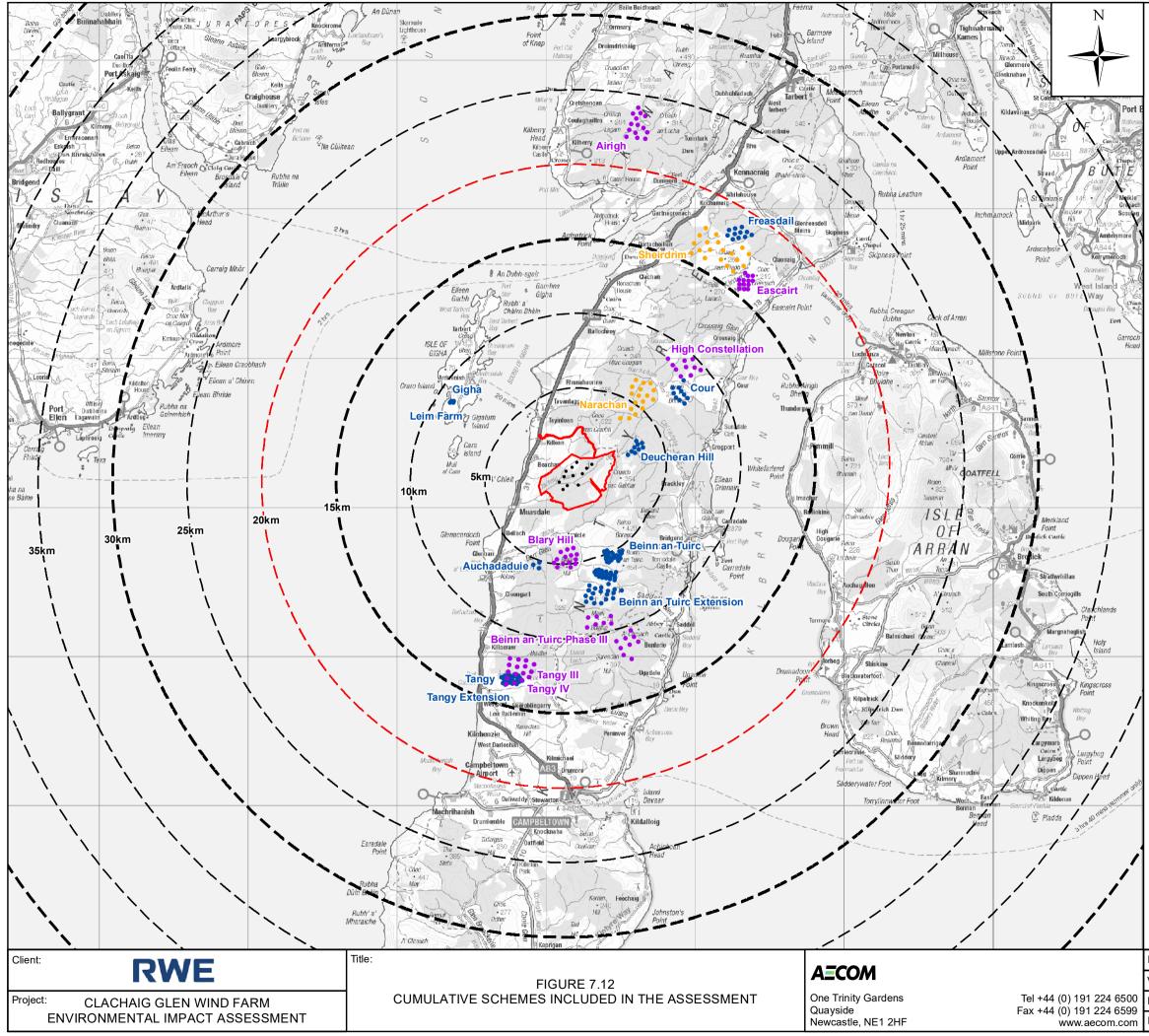
### KEY:

- **Development Site**
- Proposed Turbine Location
- 5km Distance Bands from Outermost Turbines L
- Detailed Study Area
- Cumulative Wind Farm Activity
- Operational
- Under Construction / Approved
- Decision pending

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20 km

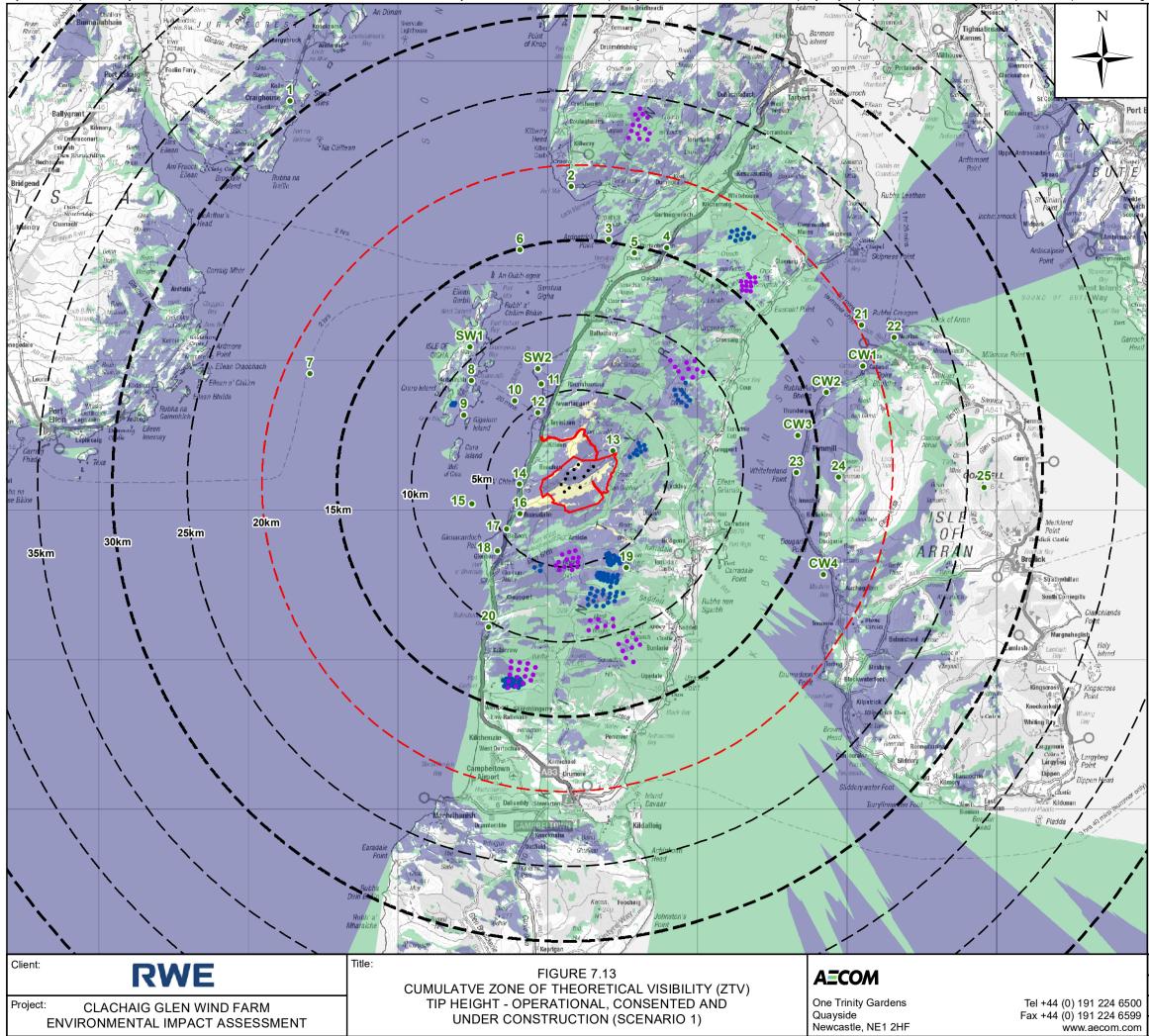


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### KEY:

- **Development Site**
- Proposed Turbine Location .
- 5km Distance Bands from Outermost Turbines L\_\_\_\_
- Detailed Study Area
- Wind Turbine Location
- Operational •
- Under Construction / Approved
- **Decision Pending**

	(	)		10 km
Drawn:	LC	Checked:	AR	
Verified:	JD	Approved:	SW	
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### KEY:

- **Development Site**
- Proposed Turbine Location
- **Viewpoint Location**
- 5km Distance Bands from Outermost Turbines
- Detailed Study Area
- Wind Turbine Location
- Operational
- Under Construction / Approved

Cumulative Visibility:

Clachaig Glen only

Scenario 1 only

Clachaig Glen and Scenario 1

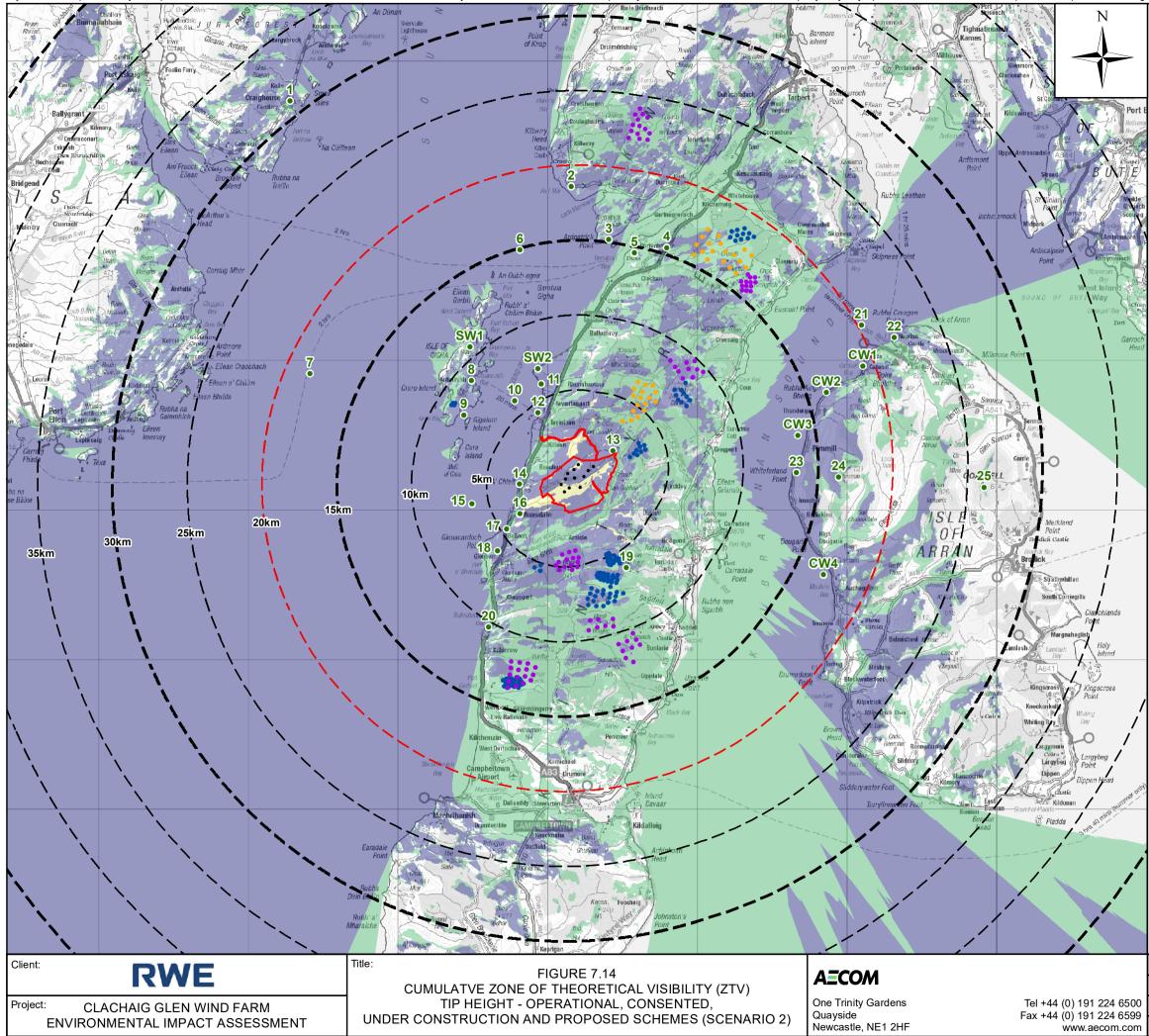
Viewpoint Location			
ID	Name	Х	Y
1	Craighouse, Jura	152740	667370
2	B8024 south of Kilberry	171541	661638
3	Ardpatrick	174063	658086
4	A83 north of Clachan	177920	657558
5	Dun Skeig	175775	657185
6	Kennacraig - Port Askaig Ferry	168126	657382
7	Kennacraig - Port Ellen Ferry	154091	649118
8	Ardminish, Gigha	164896	648662
9	South Pier, Gigha	164371	646362
10	Sound of Gigha from Gigha Ferry	167781	647310
11	Rhunahaorine/ Point Sands near the caravan park	169539	648433
12	Tayinloan Ferry Terminal	169336	646531
13	Kintyre Way north of site	174336	643968
14	A'Chleit	168106	641746
15	Sound of Gigha from recreational watercraft	164905	640419
16	North Muasdale	168136	639771
17	A83 south of Muasdale	167248	638737
18	Glenacardoch	166619	637287
19	Beinn an Tuirc	175223	636169
20	A83 near Bellochantuy	166040	632191
21	Lochranza - Claonaig Ferry	190950	652364
22	Newton Point, Arran	193137	651538
23	A841 Whitefarland, Arran	186613	642531
24	Beinn Bharrain, Arran	189439	642218
25	Goatfell, Arran	199135	641538
SW1	Creag Bhan, Gigha	164780	650900
SW2	Kintyre Way, Rhunahaorine north	169315	649455
CW1	Catacol, Arran	191040	649630
CW2	Rubha Airigh Beirg, Arran	188595	647875
CW3	Kilbrannan Sound, northwest of Pirnmill	186715	645010
CW4	Kilbrannan Sound, Machrie Bay	188410	635690

NOTE:

Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model, which does not take account the screening effects of vegetation, buildings or other structures.

ZTV has been generated based upon an observer eye height of 2m. All heights mentioned are above ground level (AGL).

	C	)		10 km
Drawn:	LC	Checked:	AR	
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### KEY:

- **Development Site**
- Proposed Turbine Location
- Viewpoint Location
- 5km Distance Bands from Outermost Turbines
- Detailed Study Area
- Wind Turbine Location
- Operational •
- Under Construction /
- **Decision Pending**

### Cumulative Visibility:

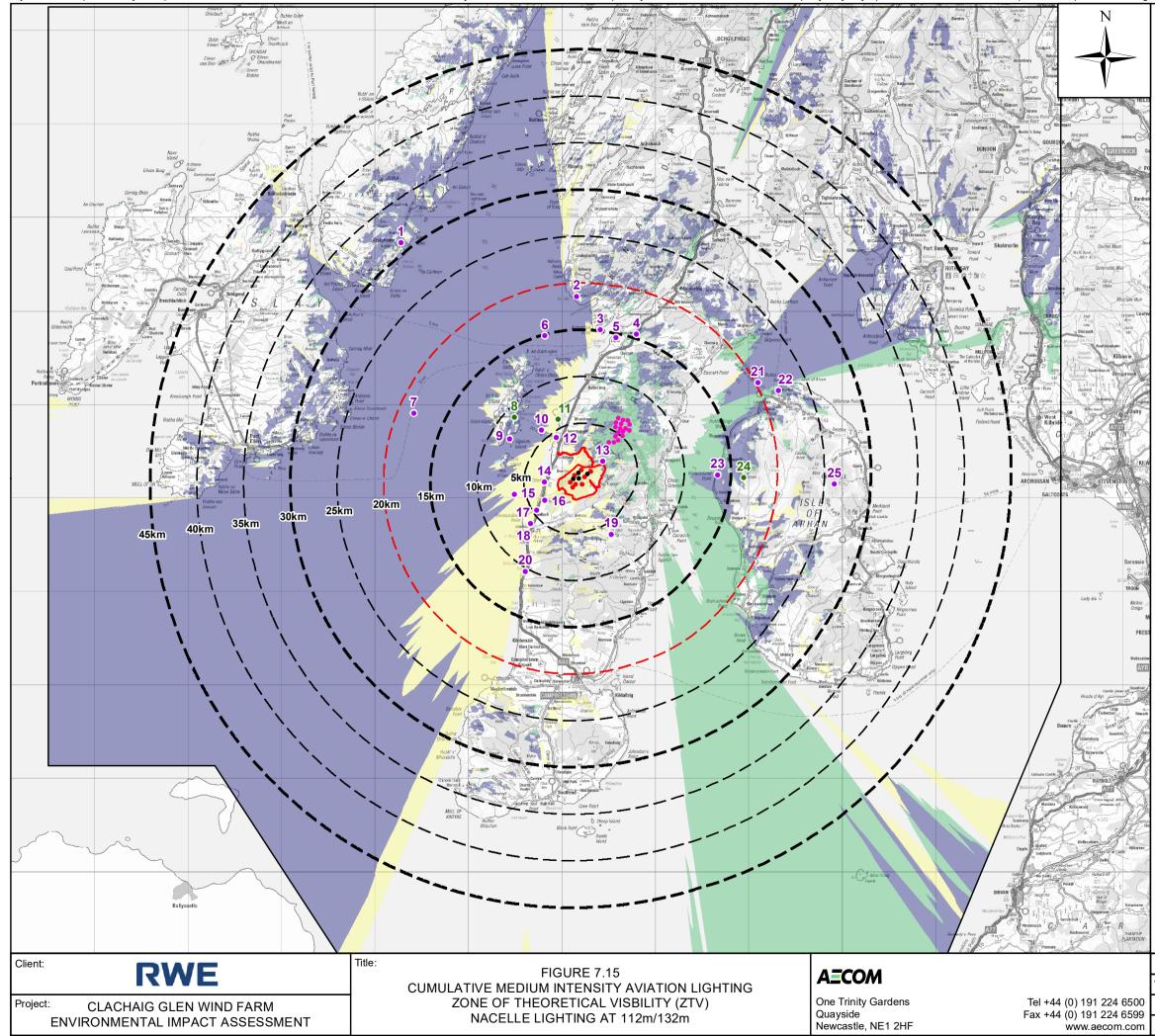
- Clachaig Glen only
- Scenario 2 only
- Clachaig Glen and Scenario 2

	Viewpoint Location		
ID	Name	Х	Y
1	Craighouse, Jura	152740	667370
2	B8024 south of Kilberry	171541	661638
3	Ardpatrick	174063	658086
4	A83 north of Clachan	177920	657558
5	Dun Skeig	175775	657185
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7	Kennacraig - Port Ellen Ferry	154091	649118
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14	A'Chleit	168106	641746
15	Sound of Gigha from recreational watercraft	164905	640419
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19	Beinn an Tuirc	175223	636169
20	A83 near Bellochantuy	166040	632191
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22	Newton Point, Arran	193137	651538
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24	Beinn Bharrain, Arran	189439	642218
25	Goatfell, Arran	199135	641538
SW1	Creag Bhan, Gigha	164780	650900
	Kintyre Way, Rhunahaorine north	169315	649455
	Catacol, Arran	191040	649630
CW2	Rubha Airigh Beirg, Arran	188595	647875
	Kilbrannan Sound, northwest of Pirnmill	186715	645010
CW4	Kilbrannan Sound, Machrie Bay	188410	635690

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	C	)		10 km
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KEY:			
Development Site			
5km Distance Bands from Outermost Turbines			
Detailed Study Area			
OS Terrain 5 DTM Extent			
LVIA Viewpoint Location			
Night Time Viewpoint Location			
Proposed Turbine Location			
With Nacelle Lighting			
Without Nacelle Lighting			
Cumulative Turbine Location			
Narachan Turbine Location with Nacelle Lighting			
Cumulative Visibility:			
Clachaig Glen Nacelle Lights Visible Only			
Narachan Nacelle Lights Visible Only			
Clachaig Glen and Narachan Nacelle Lights Visible			

Viewpoint Location			
ID	Location	Easting	Northing
8	Ardminish, Gigha	164896	648662
11	Rhunahaorine/ Point Sands near the caravan park	169539	648433
24	Beinn Bharrain, Arran	189439	642218

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ZTV does not take account of the reduction in visibility of lights with distance.

		0		10 km
Drawn:	LC	Checked:	AR	
Verified:	JD	Approved:	SW	
Date:	JANUARY 2022	Scale at A3:	1:400,000	C
Drawing Number: CG_220105_EIA7.15_v3 A3				A3

### RWE Renewables UK Onshore Wind Limited,

Registered in England and Wales no. 03758407, Greenwood House, Westwood Business Park, Coventry, CV4 8PE

www.rwe.com

