

# Drumduff Extension Wind Farm



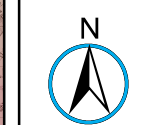
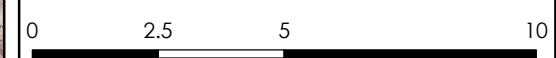
## Viewpoint Location Plan

### Key

- 180m tip turbine
  - 149.9m tip turbine
  - ⊞ 5km site buffers to 20 km
  - Landscape viewpoint
- Topography (elevation AOD)
- 565m
  - Sea level

### Viewpoint list

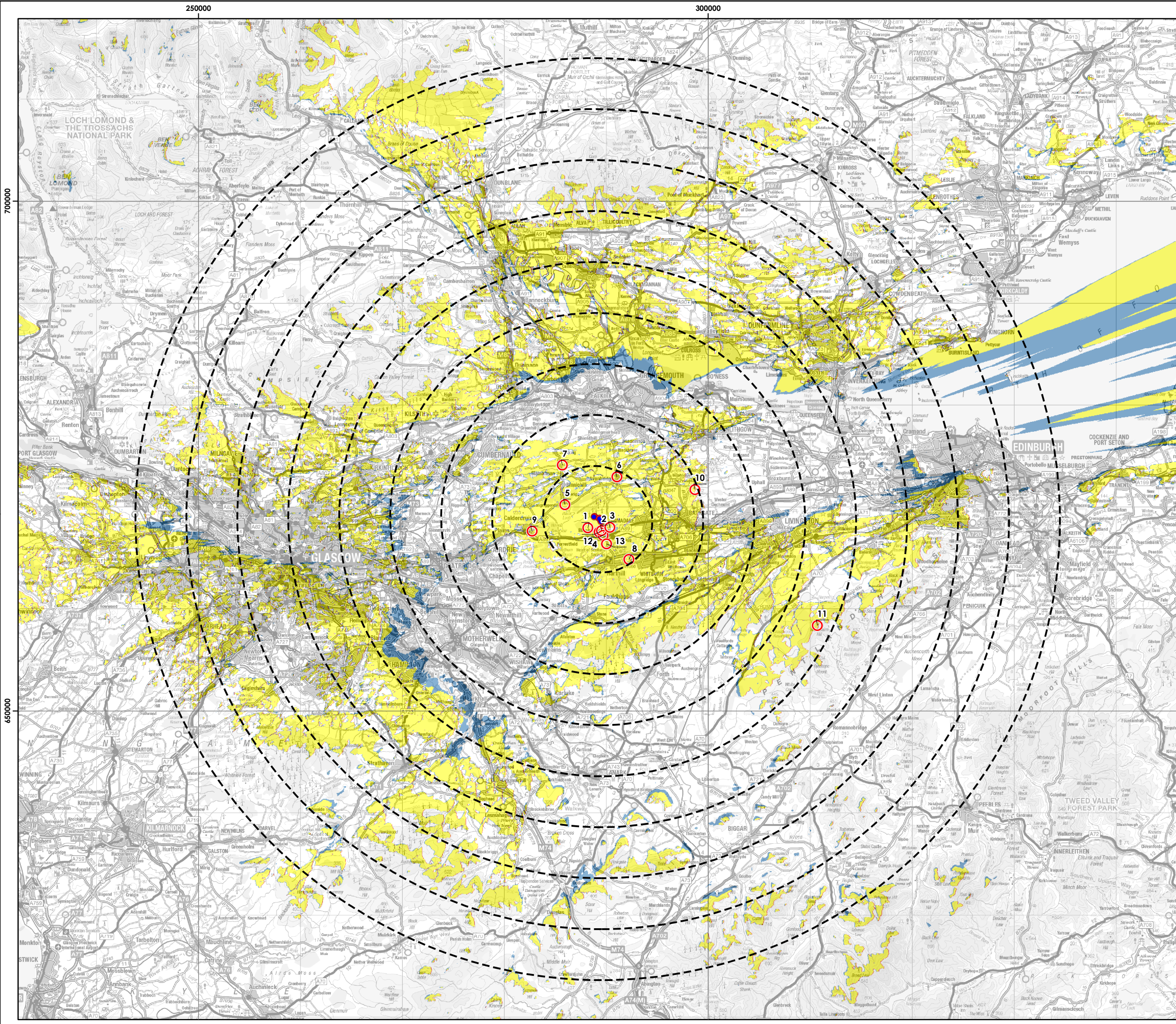
- 1 - Blawhorn Moss
- 2 - Beechbrae Woodland Centre
- 3 - Eastcraigs Hill
- 4 - Junction of Heights Road and Hillside Place
- 5 - Black Loch
- 6 - View south from Avonbridge, beside Avonbridge Parish Church
- 7 - Minor Rd north of Slamannan, east of Dyke Farm
- 8 - Adjacent to Golf Driving Range at Polkemmet Country Park
- 9 - Hillend Reservoir, Caldercruix
- 10 - Henge and Cairn at Cairnpapple Hill
- 11 - West Cairn Hill, Pentland Hills
- 12 - Matthews Crofts, Blackridge
- 13 - Harthill Road, Blackridge



Scale @ A3:  
1:150,000



© Crown copyright 2024. All rights reserved.  
Ordnance survey licence number 100031673.



# Drumduff Extension Wind Farm

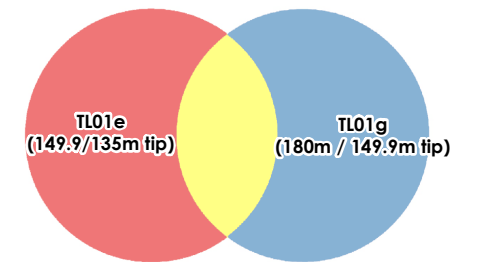


Comparative Blade Tip ZTV Between Consented and Proposed Layouts

**Key**

- Drumduff Extension TL01g proposed turbine (180m / 149.9m tip)
- Drumduff Extension TL01e consented turbine (149.9/135m)
- 5 km Drumduff Extension turbine buffers to 45 km
- Landscape Viewpoint

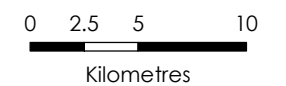
**Cumulative Zone of Theoretical Visibility**



Generated using Ordnance Survey's Terrain50 dataset which does not take into account the screening effects of buildings or vegetation.

ZTV calculated using ArcGIS 10.6 Viewshed tool with observer eye height 2m above ground and corrections for earth curvature and atmospheric refraction applied.

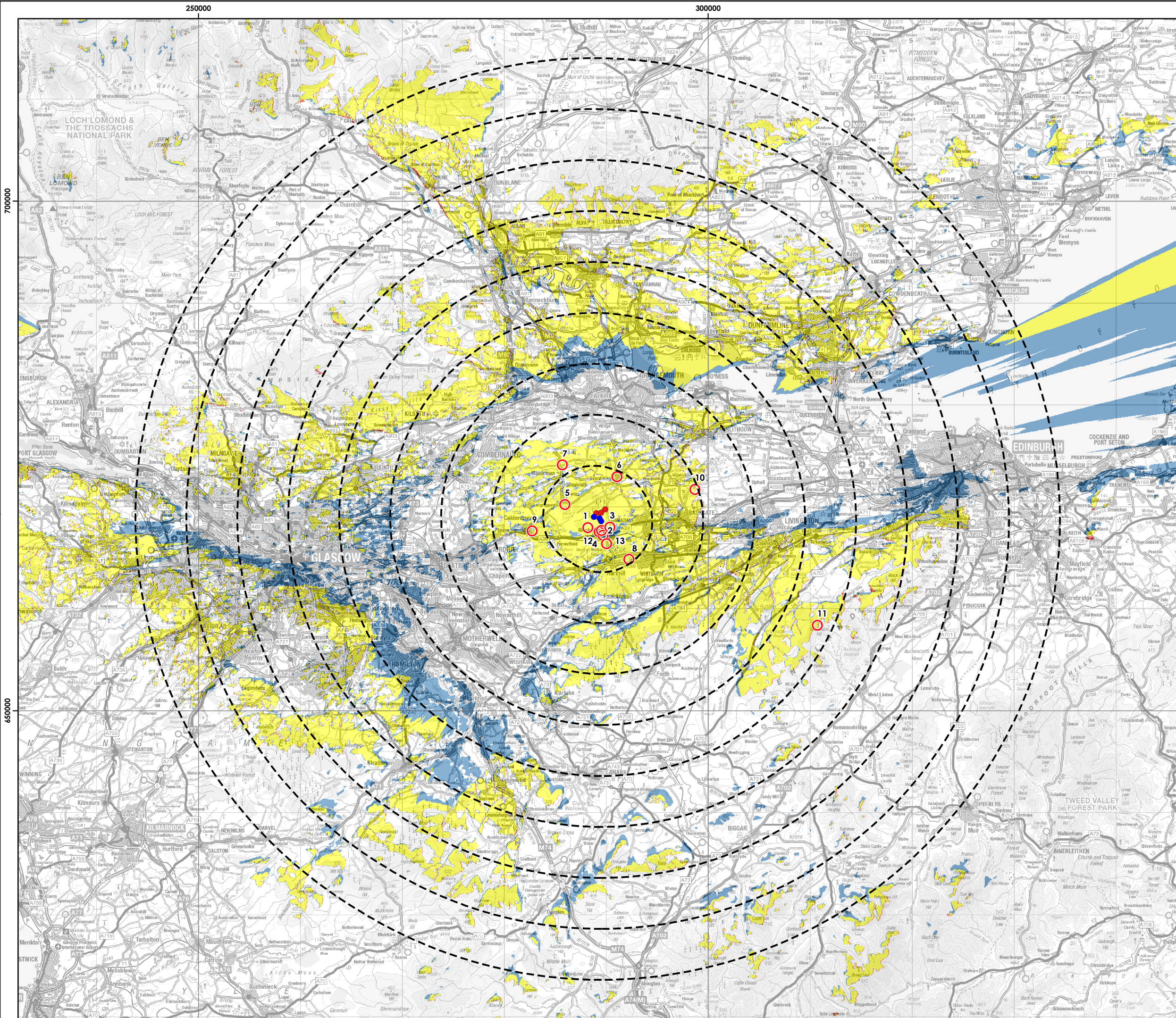
Distance of ZTV calculations based on SNH guidelines  
 Up to 50m tip - 15km      51 to 70 m tip - 20 km  
 71 to 85 m tip - 25 km      86 to 100 m tip - 30 km  
 101 to 130 m tip - 35 km      131 to 150 m tip - 40 km  
 Above 150 m tip - 45 km



Scale @ A3:  
1:350,000



© Crown copyright 2024. All rights reserved.  
Ordnance survey licence number 100031673.



# Drumduff Extension Wind Farm

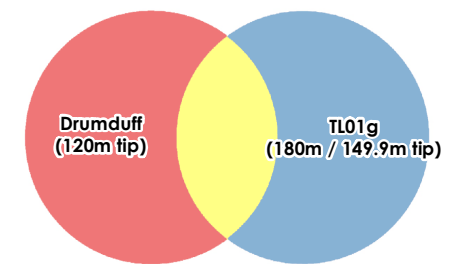


Comparative Blade Tip ZTV Between Proposed Layout and Operational Drumduff Layout

**Key**

- Drumduff Extension TL01g proposed turbine (180m / 149.9m tip)
- Drumduff operational turbine (120m tip)
- 10 km Drumduff Extension turbine buffers to 45 km
- Landscape Viewpoint

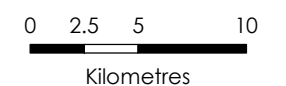
**Cumulative Zone of Theoretical Visibility**



Generated using Ordnance Survey's Terrain50 dataset which does not take into account the screening effects of buildings or vegetation.

ZTV calculated using ArcGIS 10.6 Viewshed tool with observer eye height 2m above ground and corrections for earth curvature and atmospheric refraction applied.

Distance of ZTV calculations based on SNH guidelines  
 Up to 50m tip - 15km      51 to 70 m tip - 20 km  
 71 to 85 m tip - 25 km      86 to 100 m tip - 30 km  
 101 to 130 m tip - 35 km      131 to 150 m tip - 40 km  
 Above 150 m tip - 45 km



Scale @ A3:  
1:350,000



© Crown copyright 2024. All rights reserved.  
Ordnance survey licence number 100031673.