



Convention on
Biological Diversity



Aichi Biodiversity Target 11 Country Dossier: UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

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GLOSSARY

AZEs	Alliance for Zero Extinction sites
CEPF	Critical Ecosystem Partnership Fund
EBSA	Ecologically or Biologically Significant Marine Area
EEZ	Exclusive Economic Zone
GCF	Green Climate Fund
GD-PAME	Global Database on Protected Area Management Effectiveness
GEF	Global Environment Facility
IBA	Important Bird and Biodiversity Area
ICCAs	Indigenous and Community Conserved Area Area (may also be referred to as territories and areas conserved by Indigenous peoples and local communities or “territories of life”)
IPLC	Indigenous Peoples and Local Communities
KBA	Key Biodiversity Area
MEOW	Marine Ecosystems of the World
MPA	Marine Protected Area
NBSAP	National Biodiversity Strategy and Action Plan
OECM	Other Effective Area-Based Conservation Measures
PA	Protected Area
PAME	Protected Area Management Effectiveness
PPA	Privately Protected Area
PPOW	Pelagic Provinces of the World
ProtConn	Protected Connected land indicator
SOC	Soil Organic Carbon
TEOW	Terrestrial Ecosystems of the World
WDPA	World Database on Protected Areas
WD-OECM	World Database on Other Effective Area-Based Conservation Measures

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This country dossier is compiled by the UNDP and SCBD from publicly available information. It is prepared, within the overall work of the Global Partnership on Aichi Biodiversity Target 11, for the purpose of attracting the attention of the Party concerned and other national stakeholders to facilitate the verification, correcting, and updating of country data. The statistics might differ from those reported officially by the country due to differences in methodologies and datasets used to assess protected area coverage and differences in the base maps used to measure terrestrial and marine area of a country or territory. Furthermore, the suggestions from the UNDP and SCBD are based on analyses of global datasets, which may not necessarily be representative of national policy or criteria used at the national level. The analyses are also subject to the limits inherent in global indicators (precision, reliability, underlying assumptions, etc.). Therefore, they provide useful information but cannot replace analyses at a national level nor constitute a future benchmark for national policy or decision-making.

The preparation of this dossier was generously supported by: the Government of the Federal Republic of Germany, *Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH*; the European Commission; the Government of the United Kingdom of Great Britain and Northern Ireland; and the Government of Japan (Japan Biodiversity Fund). The dossier does not necessarily reflect their views.

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EXECUTIVE SUMMARY

This document provides information on the coverage of protected areas (PAs) and other effective area-based conservation measures (OECMs), as currently reported in global databases (the World Database on Protected Areas ([WDPA](#)) and World Database on Other Effective Area-Based Conservation Measures ([WD-OECM](#))). It also includes details on the status of the other qualifying elements of Aichi Biodiversity Target 11 based on this data. These statistics might differ from those reported officially by countries due to difference in methodologies and datasets used to assess protected area coverage, differences in the base maps used to measure terrestrial and marine area of a country or territory, or if global datasets differ from the criteria and indicators used at the national level. Where available, data from national statistics for the elements of Target 11 are included alongside records from these global databases. This dossier also provides a summary of commitments made under Aichi Biodiversity Target 11, and a summary of potential opportunities regarding elements of the target for future planning.

The dossier has been developed in consultation with the UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC), which manages the WDPA, WD-OECM and Global Database on Protected Area Management Effectiveness ([GD-PAME](#)). Parties to the CBD are requested to contact protectedareas@unep-wcmc.org with any updates to the information in these databases.

Aichi Biodiversity Target 11 Elements: Current status and opportunities for action

Coverage - Terrestrial & Marine

- **Status:** as of May 2021 (per the WDPA), terrestrial coverage in The United Kingdom of Great Britain and Northern Ireland is 70,477.9 km² or 28.7% (metropolitan UK) and 1,426.6 km² or 7.3% (UK Overseas Territories); marine coverage is 319,765.3 km² or 44.2% (metropolitan UK) and 3,624,820 km² or 60.0% (UK Overseas Territories).¹
- **Opportunities for action:** opportunities for the near-term include updating the WDPA with any unreported PAs, and the recognizing and reporting OECMs to the WD-OECM. In the future, focus on relatively intact areas, while addressing the elements in the following sections, could be considered if planning new PAs or OECMs.

¹ Recent national reporting in the UK shows the following coverage statistics: Metropolitan UK – 67,892.2 km² terrestrial (27.8%) and 317,613.0 km² marine (38.2%) (see <https://jncc.gov.uk/ukbi-c1>); UK Overseas Territories – 832 km² terrestrial (4.7%) and 3,621,392 km² marine (63.0%) (see <https://data.jncc.gov.uk/data/d7207246-4903-4e87-9c19-65cf016accd5/JNCC-Report-679-FINAL-WEB.pdf>)

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Ecological Representativeness— Terrestrial & Marine

- **Status:** The United Kingdom of Great Britain and Northern Ireland (including all overseas territories) contains 18 terrestrial ecoregions, 13 marine ecoregions, and 4 pelagic provinces: the mean coverage by reported PAs and OECMs is 20.0% (terrestrial), 35.0% (marine), and 69.5% (pelagic); 3 terrestrial ecoregions, and 1 marine ecoregion have no coverage by reported PAs and OECMs (though 1 marine ecoregion covers <30km² in UK waters).
- **Opportunities for action:** there is opportunity for The United Kingdom of Great Britain and Northern Ireland to increase protection in terrestrial and marine ecoregions and pelagic provinces that have lower levels of coverage by PAs or OECMs. Ecoregions which currently have no coverage by PAs or OECMs are key areas for action.

Areas Important for Biodiversity

- **Status:** Metropolitan UK has 313 Key Biodiversity Areas (KBAs): the mean coverage of KBAs by reported PAs and OECMs is 86.8%, while 12 KBAs have no coverage by reported PAs and OECMs. UK Overseas Territories have an additional 72 KBAs, of which 37 have no coverage from PAs and OECMs.
- **Opportunities for action:** there is opportunity for The United Kingdom of Great Britain and Northern Ireland to increase protection of KBAs that have lower levels of coverage by PAs and OECMs; priority could be given to those with no current coverage.

Areas Important for Ecosystem Services

- **Status:** coverage of areas important for ecosystem services: In the Metropolitan UK, 30.3% of aboveground biomass carbon, 32.3% of belowground biomass carbon, 28.2% of soil organic carbon, 57.6% of carbon stored in marine sediments is covered by PAs and OECMs.
- **Opportunities for action:** for carbon, there is opportunity for The United Kingdom of Great Britain and Northern Ireland to increase PA and OECM coverage, or enhance effective management, in both marine and terrestrial areas with high carbon stocks. Protecting areas with high carbon stocks secures the benefits of carbon sequestration in the area.
- For water, there is opportunity to increase the area of the water catchment under protection by PAs and OECMs, or in cases where there is high levels of protection, focus on effective management for these areas. Protecting the current area of forested land and potentially reforesting would have benefits for improving water security.

Connectivity and Integration

- **Status:** coverage of protected-connected lands (in Metropolitan UK) is 13.95%.



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- **Opportunities for action:** there is opportunity to focus on PA and OECM management for enhancing and maintaining connectivity. Improving connectivity increases the effectiveness of PAs and OECMs and reduces the impacts of fragmentation.
- As well, a range of suggested steps for enhancing and supporting integration are included in the voluntary guidance on the integration of PAs and OECMs into the wider land- and seascapes and mainstreaming across sectors to contribute, inter alia, to the SDGs (Annex I of COP Decision 14/8).

Governance Diversity

- **Status:** the most common governance type(s) for reported PAs in Metropolitan UK is: 87.9% under Government (Federal or national ministry or agency).
- **Opportunities for action:** explore opportunities for governance types that have lower representation.
- There is also opportunity for The United Kingdom of Great Britain and Northern Ireland to complete governance and equity assessments, to establish baselines and identify relevant actions for improvement. As well, a range of suggested actions are included in the voluntary guidance on effective governance models for management of protected areas, including equity (Annex II of COP Decision 14/8).

Protected Area Management Effectiveness

- **Status:** according to data in the GD-PAME, 39.0% of the extent of terrestrial PAs and 40.2% of the extent of marine PAs (in Metropolitan UK) have completed Protected Area Management Effectiveness (PAME) assessments reported. Over 60% of sites within the UK protected area network are compliant with global management effectiveness criteria, as supported by positive trends seen in the condition of the UK protected areas.²
- **Opportunities for action:** the 60% target for the area of PAs with completed management effectiveness assessments (per COP Decision X/31) has not been met for terrestrial PAs and has not been met for marine PAs. The 60% target for the total number of PAs assessed has been surpassed. There is opportunity to increase protected area management effectiveness (PAME) evaluations for both terrestrial and marine PAs to achieve the target.
- There is also opportunity to implement the results of completed PAME evaluations, to improve the quality of management for existing PAs and OECMs (e.g. through adaptive management and information sharing, increasing the number of sites

² See the UK's 6th National Report to the CBD: <https://www.cbd.int/doc/nr/nr-06/gb-nr-06-p1-en.pdf>



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reporting 'sound management') and to increase reporting of biodiversity outcomes in PAs and OECMs.



INTRODUCTION

The Strategic Plan for Biodiversity 2011-2020 was adopted at the tenth meeting of the Conference of the Parties (COP) to the Convention on Biological Diversity (CBD) held in Nagoya, Aichi Prefecture, Japan from 18-29 October 2010. The vision of the Strategic Plan is one of “Living in harmony with nature” where *“By 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people”* (CBD, 2010). In addition to this vision, the Strategic Plan is composed of 20 targets, under five strategic goals. Aichi Biodiversity Target 11 states that *“By 2020, at least 17 per cent of terrestrial and inland water, and 10 per cent of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through effectively and equitably managed, ecologically representative and well-connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscapes and seascapes.”*

With the conclusion of the Aichi Biodiversity Targets in 2020, Target 11 on area-based conservation has seen success in the expansion of the global network of protected areas (PA) and other effective area-based conservation measures (OECMs). The negotiation of the post-2020 Global Biodiversity Framework (GBF) and its future targets provide an essential opportunity to further improve the coverage of PAs and OECMs, to improve other aspects of area-based conservation, to accelerate progress on biodiversity conservation more broadly, while also addressing climate change, and the Sustainable Development Goals. This next set of global biodiversity targets are to be adopted at the fifteenth meeting of the Conference of the Parties to the Convention on Biological Diversity. These new targets must aim to build upon lessons learned from the last decade of progress to deliver transformative change for the benefit of nature and people, to realize the 2050 Vision for biodiversity.

The United Nations Development Programme (UNDP) and the Secretariat of the Convention on Biological Diversity have developed the Aichi Biodiversity Target 11 Country Dossiers, which provide countries with an overview of the status of Target 11 elements, opportunities for action, and a summary of commitments made by Parties over the last decade. Each dossier can support countries in assessing their progress on key elements of Aichi Biodiversity Target 11 and identifying opportunities to prioritize new protected areas and OECMs.

This dossier provides an overview of area-based conservation in The United Kingdom of Great Britain and Northern Ireland. Section I of the dossier presents data on the current status of The United Kingdom of Great Britain and Northern Ireland’s PAs and OECMs. The data presented in Section I relates to each element of Target 11. Section I also presents the PA and OECM coverage for two critical ecosystem services: water security and carbon stocks. In addition, the dossier presents potential opportunities for action for The United Kingdom of Great Britain and Northern Ireland, in relation to each Target 11 element. The analyses present options for improving The United Kingdom of Great Britain and Northern Ireland’s area-based conservation network to achieve enhanced protection and benefits for

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livelihoods and climate change. Section II presents details on The United Kingdom of Great Britain and Northern Ireland's existing PA and OECM commitments as a summary of existing efforts towards achieving Target 11. This gives focus not only to national policy and actions but also voluntary commitments to the UN. Furthermore, where data is available, this dossier provides information on potential OECMs, Indigenous and Community Conserved Areas (ICCAs; also, often referred to as territories and areas conserved by Indigenous peoples and local communities or "territories of life") and Privately Protected Areas (PPAs) and the potential contribution they will have in achieving the post-2020 targets.

The information on PAs and OECMs presented here is derived from the World Database on Protected Areas (WDPA) and World Database on Other Effective Area-Based Conservation Measures (WD-OECM). These databases are joint products of UNEP and IUCN, managed by UNEP-WCMC, and can be viewed and downloaded at www.protectedplanet.net. Parties are encouraged to provide data on their PAs and OECMs to UNEP-WCMC for incorporation into the databases (see e.g., Decisions 10/31 and 14/8). The significant efforts of Parties in updating their data in the build up to the publication of the Protected Planet Report 2020 (UNEP-WCMC and IUCN, 2021) were greatly appreciated. UNEP-WCMC welcomes further updates, following the data standards described here (www.wcmc.io/WDPA_Manual), and these should be directed to protectedareas@unep-wcmc.org. The statistics presented in this dossier are derived from the May 2021 WDPA and WD-OECM releases, unless explicitly stated otherwise. Readers should consult www.protectedplanet.net for the latest coverage statistics (updated monthly).

Some data from the WDPA and WD-OECM are not made publicly available at the request of the data-provider. This affects some statistics, maps, and figures presented in this dossier. Statistics provided by UNEP-WCMC (terrestrial and marine coverage) are based upon the full dataset, including restricted data. All other statistics, maps, and figures are based upon the subset of the data that is publicly available.

Where data is less readily available, such as for potential OECMs, ICCAs and PPAs, data has also been compiled from published reports and scientific literature to provide greater awareness of these less commonly recorded aspects. These data are provided to highlight the need for comprehensive reporting on these areas to the WDPA and/or WD-OECM. Parties are invited to work with indigenous peoples, local communities and private actors to submit data under the governance of these actors, with their consent, to the WDPA and/or WD-OECM.

Overall, PAs and OECMs are essential instruments for biodiversity conservation and to sustain essential ecosystem services that support human well-being and sustainable development, including food, medicine, and water security, as well as climate change mitigation and adaptation and disaster risk reduction. The data in this dossier, therefore, aims to celebrate the current contributions of PAs and OECMs, whilst the gaps presented hope to encourage greater progress, not just for the benefit of biodiversity and the post-2020 GBF, but also to recognize the essential role of PAs and OECMs to the Sustainable Development Goals and for addressing the climate crisis.



SECTION I: CURRENT STATUS

Aichi Biodiversity Target 11 refers to both protected areas (PAs) and other effective area-based conservation measures (OECMs). This section provides the current status for all elements of Aichi Biodiversity Target 11 where indicators with global data are available. Statistics for all elements are presented using data on both PAs and OECMs (where this data is available and reported in global databases like the WDPA and WD-OECM). It is recognized that statistics reported in the WPDA and WD-OECM might differ from those reported officially by countries due to differences in methodologies and datasets used to assess protected area coverage and differences in the base maps used to measure terrestrial and marine area of a country or territory. Details on UNEP-WCMC's methods for calculating PA and OECM coverage area available [here](#). The global indicators adopted here for presenting the status of other elements of Target 11 may also differ from those in use nationally. Where available, results from national reporting are also included.



COVERAGE - TERRESTRIAL & MARINE

As of May 2021, The United Kingdom of Great Britain and Northern Ireland (UK) has **12,180** protected areas³ reported in the World Database on Protected Areas (WDPA). Proposed PAs, and UNESCO-MAB Biosphere Reserves are not included in the following statistics (see details on UNWP-WCMC's methods for calculating PA/OECM coverage [here](#)).

As of May 2021, The United Kingdom of Great Britain and Northern Ireland has **0** OECMs⁴ reported in the world database on OECMs (WD-OECM).

Current coverage for Metropolitan UK (per the WDPA):

- 28.7% terrestrial (11,354 protected areas, 70,477.9 km²)
- 44.2% marine (1,555 protected areas, 319,765.3 km²)

Current coverage for UK Overseas Territories (per the WDPA):

- 7.3% terrestrial (258 PAs and 10 OECMs, 1,426.6 km²)
- 60.0% marine (215 PAs, 3,624,820 km²)⁵

National reporting in the UK⁶ indicates terrestrial coverage of:

- Metropolitan UK – 67,892.2 km² terrestrial (27.8%); 317,613.0 km² marine (38.2%)
- Overseas Territories – 832 km² terrestrial (4.7%); 3,621,392 km² marine (63.0%)

³ 11,837 PAs in Metropolitan UK, and 343 in UK overseas territories

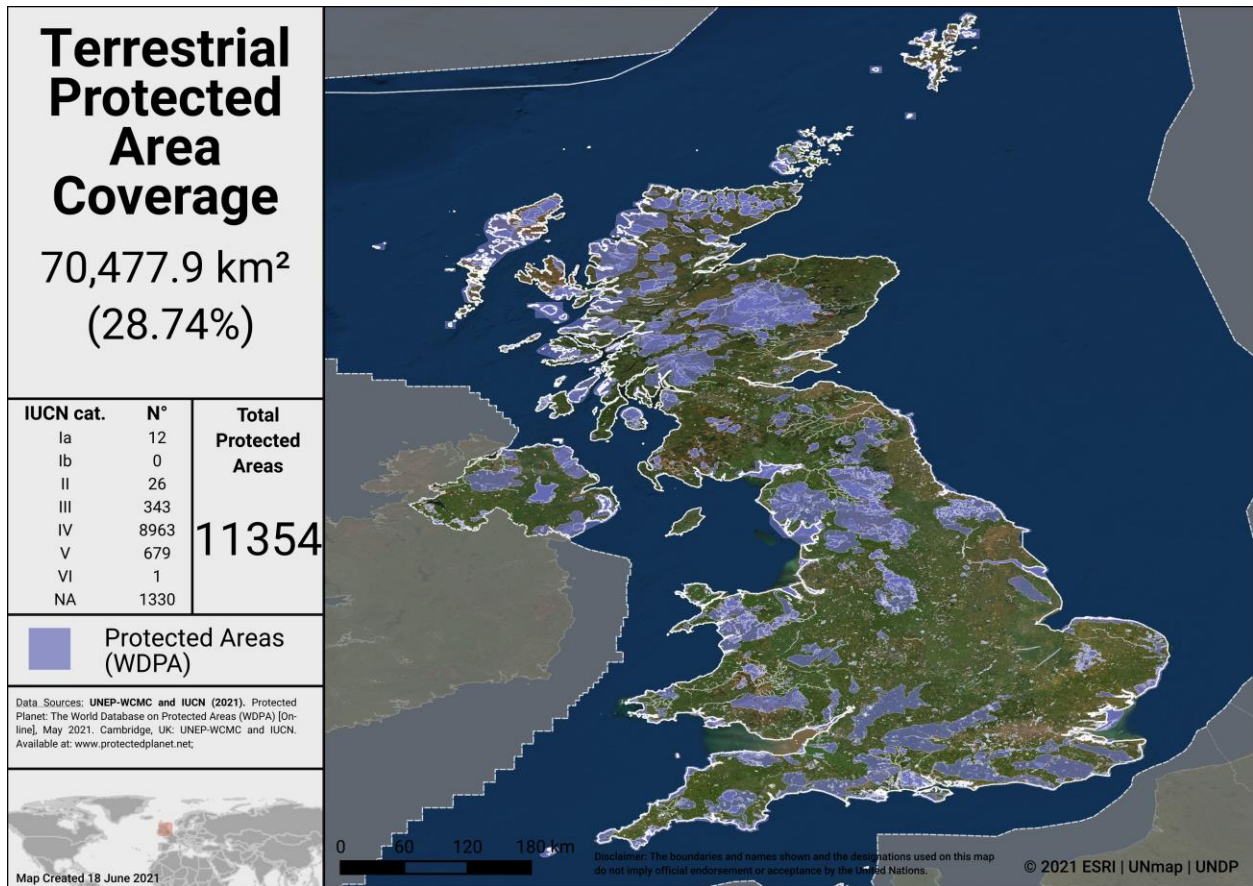
⁴ 0 OECMs in Metropolitan UK, and 10 in UK overseas territories

⁵ In October 2021, in [Saint Helena, Ascension and Tristan da Cunha](#): the status of a very large marine protected area in the UK overseas territory has changed from proposed to designated (marine coverage increases another >700,000 km²)

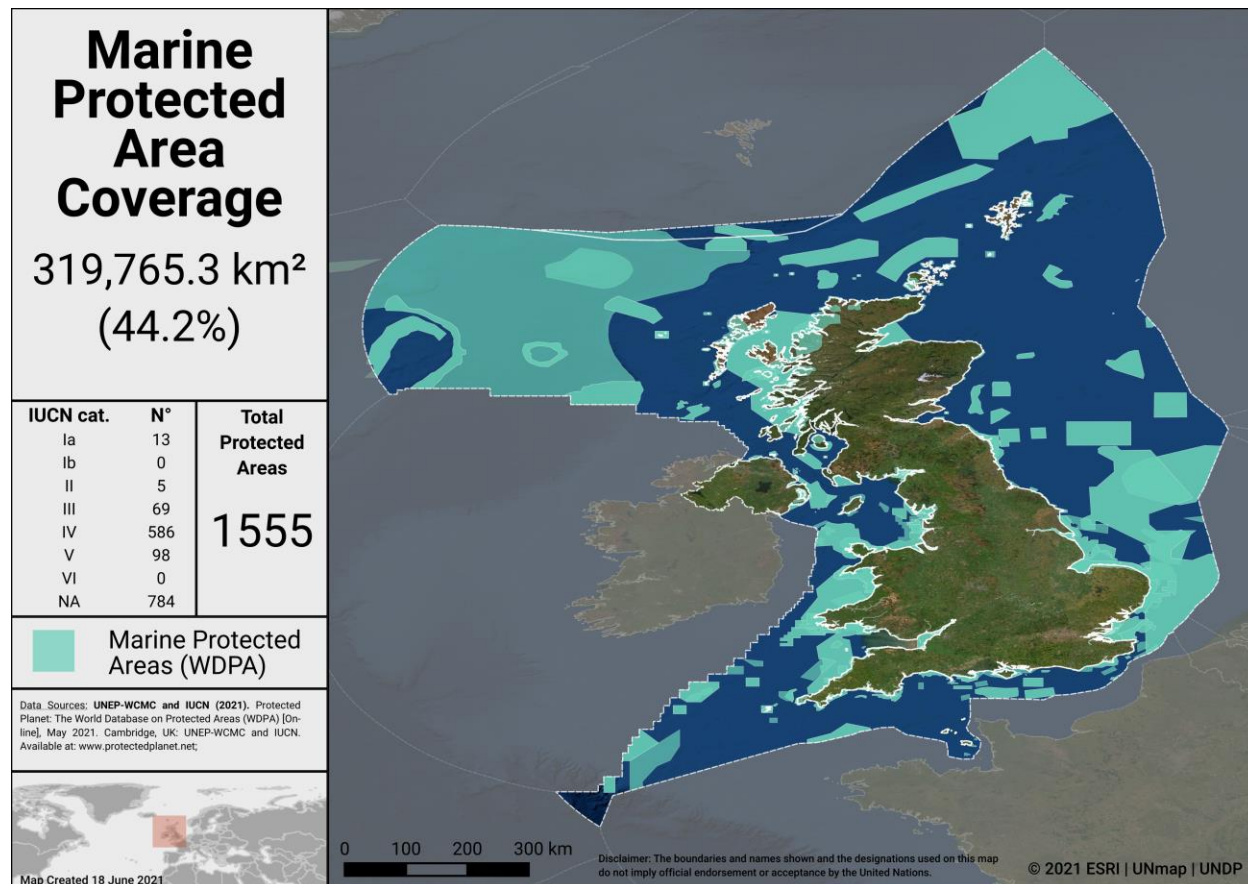
⁶ For the metropolitan UK figures, see: UK Biodiversity Indicator C1: <https://jncc.gov.uk/ukbi-c1/> ; For UK Overseas territories, see: 25 Year Environment Plan Outcome Indicator K4. Extent of Protected Areas in the UK Overseas Territories: <https://data.jncc.gov.uk/data/d7207246-4903-4e87-9c19-65cf016accd5/JNCC-Report-679-FINAL-WEB.pdf>



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Terrestrial Protected Areas in The United Kingdom of Great Britain and Northern Ireland (only showing Metropolitan UK)



Marine Protected Areas in The United Kingdom of Great Britain and Northern Ireland (only showing Metropolitan UK)

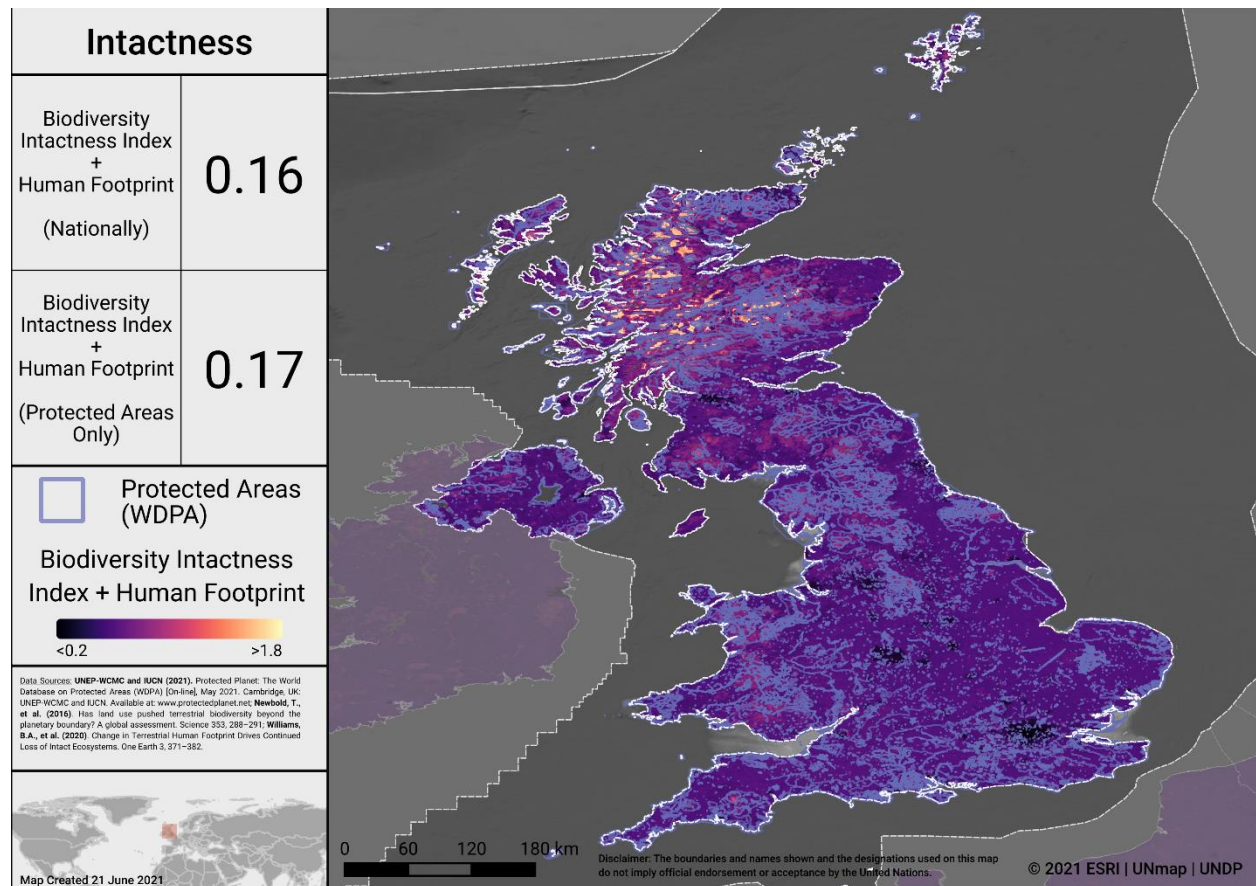
Potential OECMs

The four countries of the UK (England, Scotland, Wales and Northern Ireland) are in the process of developing approaches to recognising OECMs.

Opportunities for action

Opportunities for the near-term include updating the WDPA with any unreported PAs, and the recognizing and reporting OECMs to the WD-OECM. In the future, as The United Kingdom of Great Britain and Northern Ireland considers where to add new PAs and OECMs, the map below identifies areas in Metropolitan UK where intact areas are not currently protected. Focus on relatively intact areas, while addressing the elements in the following sections, could be considered if planning new PAs or OECMs.

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Intactness in The United Kingdom of Great Britain and Northern Ireland (only showing Metropolitan UK)

To explore more on intactness visit the UN Biodiversity Lab: map.unbiodiversitylab.org.

ECOLOGICAL REPRESENTATIVENESS – TERRESTRIAL & MARINE

Ecological representativeness is assessed, globally, based on the PAs and OECMs coverage of broad-scale biogeographic units. Globally, ecoregions have been described for terrestrial areas (Dinerstein et al, 2017), marine coastal and shelf ecosystems (to a depth of 200m; Spalding et al 2007) and surface pelagic waters (Spalding et al 2012).

Coverage of ecoregions is not an indicator used by The United Kingdom of Great Britain and Northern Ireland to measure progress towards Aichi Target 11 (nor were they used as criteria to select PAs and OECMs).

The United Kingdom of Great Britain and Northern Ireland has 18 **terrestrial** ecoregions.⁷ Out of these:

- 15 ecoregions have at least some coverage from PAs and OECMs.
- 8 ecoregions have 17% protected within the country.
- The average terrestrial coverage of ecoregions is 20.0%.

The United Kingdom of Great Britain and Northern Ireland has 13 **marine** ecoregions and 4 **pelagic provinces**.⁸ Out of these:

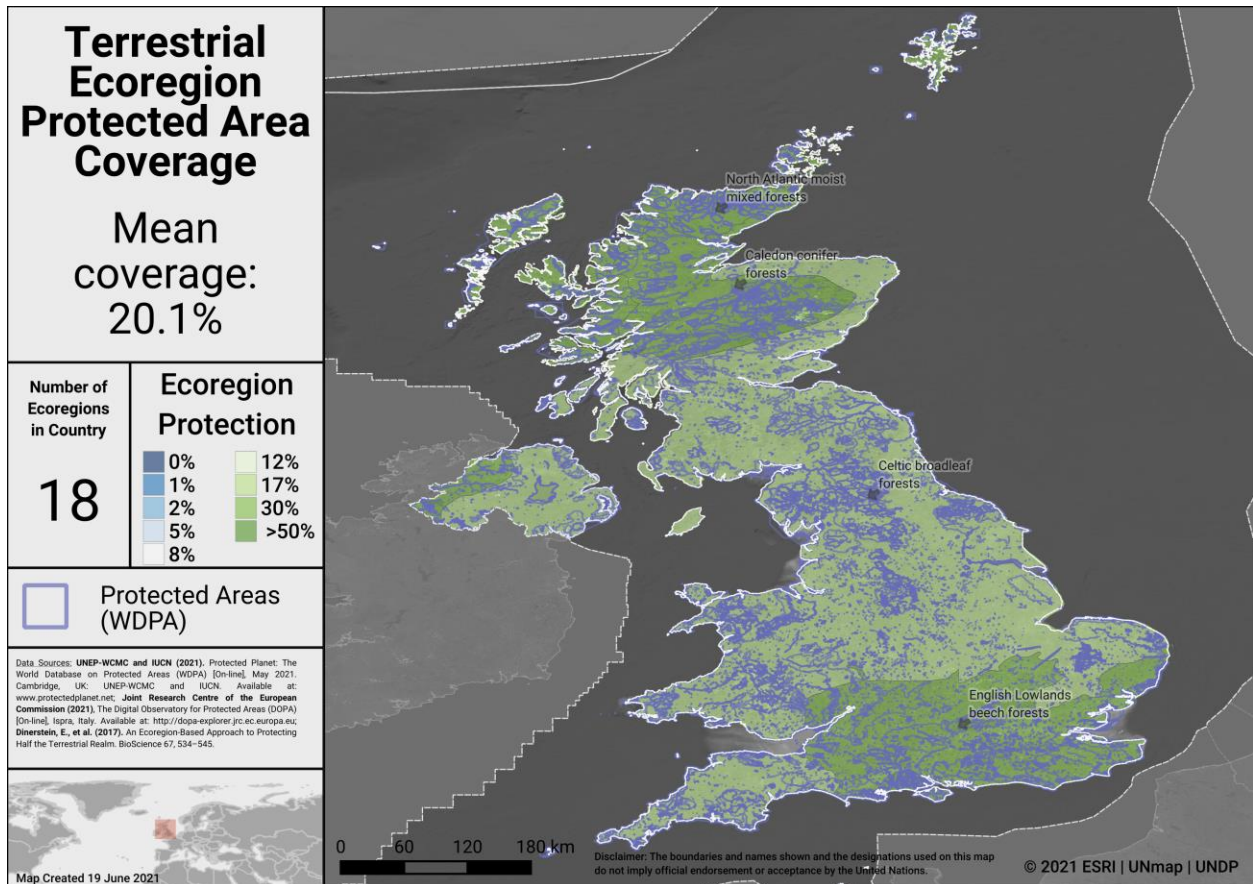
- 12 marine ecoregions and 4 pelagic provinces have at least some coverage from reported PAs and OECMs.
 - The 1 remaining ecoregion (Southern Norway) covers <30km² in UK waters)
- 8 marine ecoregions and 4 pelagic provinces have at least 10% protected within The United Kingdom of Great Britain and Northern Ireland's exclusive economic zone (EEZ).
- The average protected area coverage of marine ecoregions is 35.0% and the average protected area coverage of Pelagic Provinces is 69.5%.

A full list of terrestrial ecoregions in The United Kingdom of Great Britain and Northern Ireland is available in Annex II.

⁷ 4 terrestrial ecoregions in metropolitan UK (all with >17% PA and OECM coverage), the remaining 14 terrestrial ecoregions in UK Overseas Territories

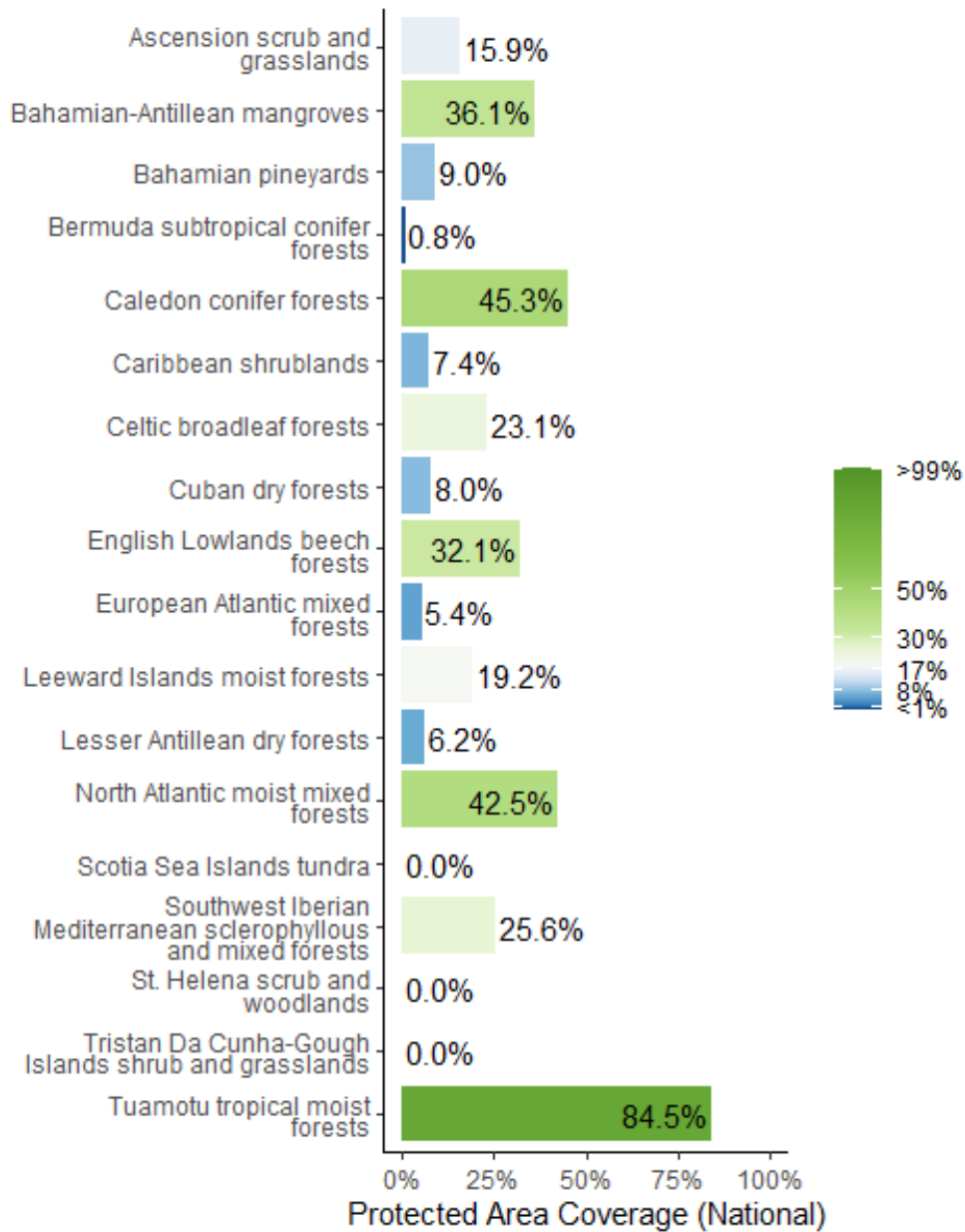
⁸ 3 marine ecoregions and 1 pelagic province in the waters of metropolitan UK (2 with >10% PA and OECM coverage, the remaining 1 ecoregion covers <30km² within UK waters), the remaining ecoregions and pelagic province in the waters of UK Overseas Territories

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Terrestrial ecoregions in The United Kingdom of Great Britain and Northern Ireland (map only showing Metropolitan UK, which has 4 terrestrial ecoregions, mean coverage of 35.75% [total # and mean % coverage in image for all of the UK, including overseas territories])

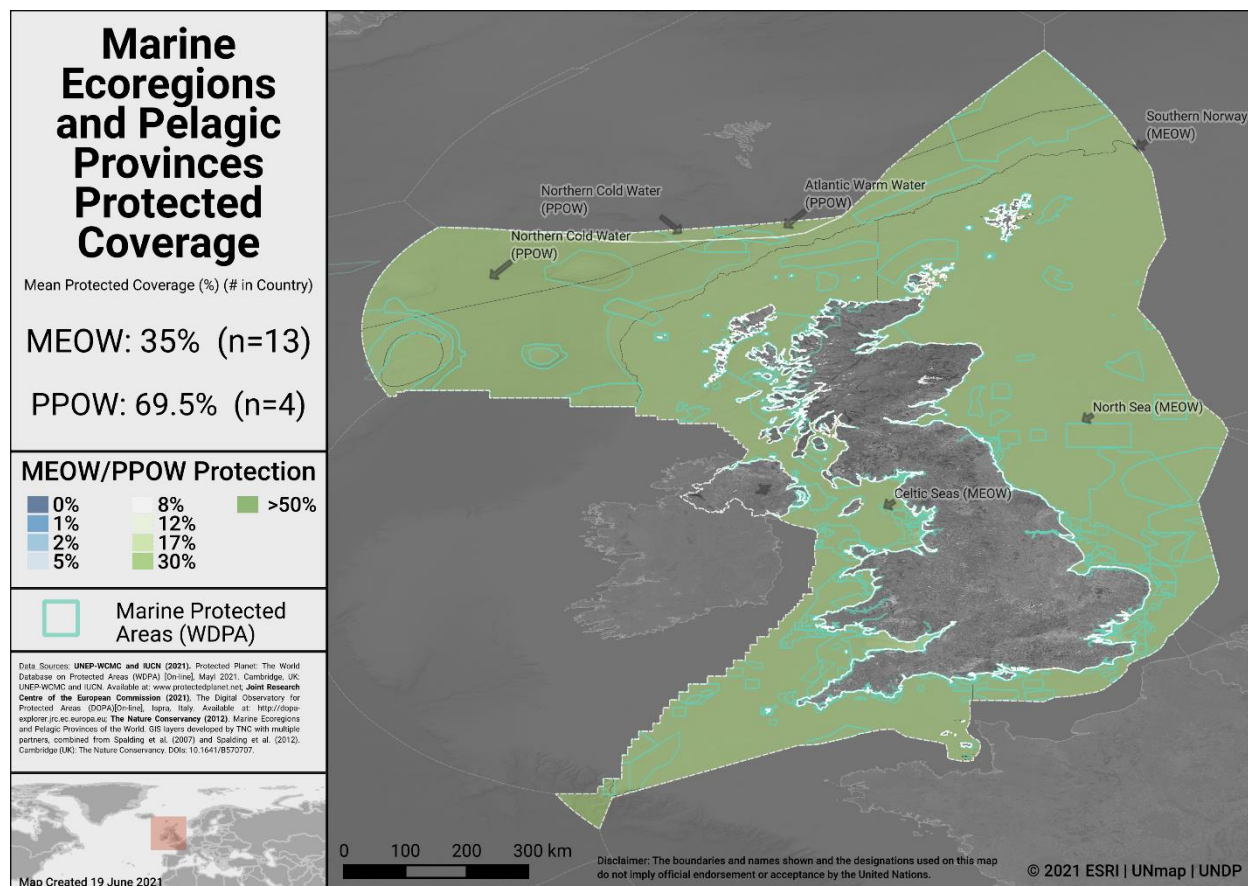
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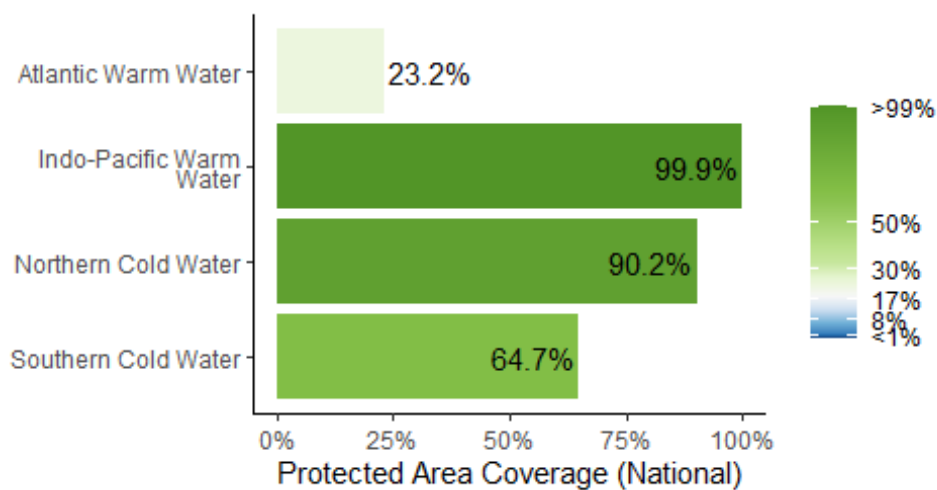
Terrestrial ecoregions of the World (TEOW) in The United Kingdom of Great Britain and Northern Ireland (Metropolitan UK and UK Overseas Territories combined)



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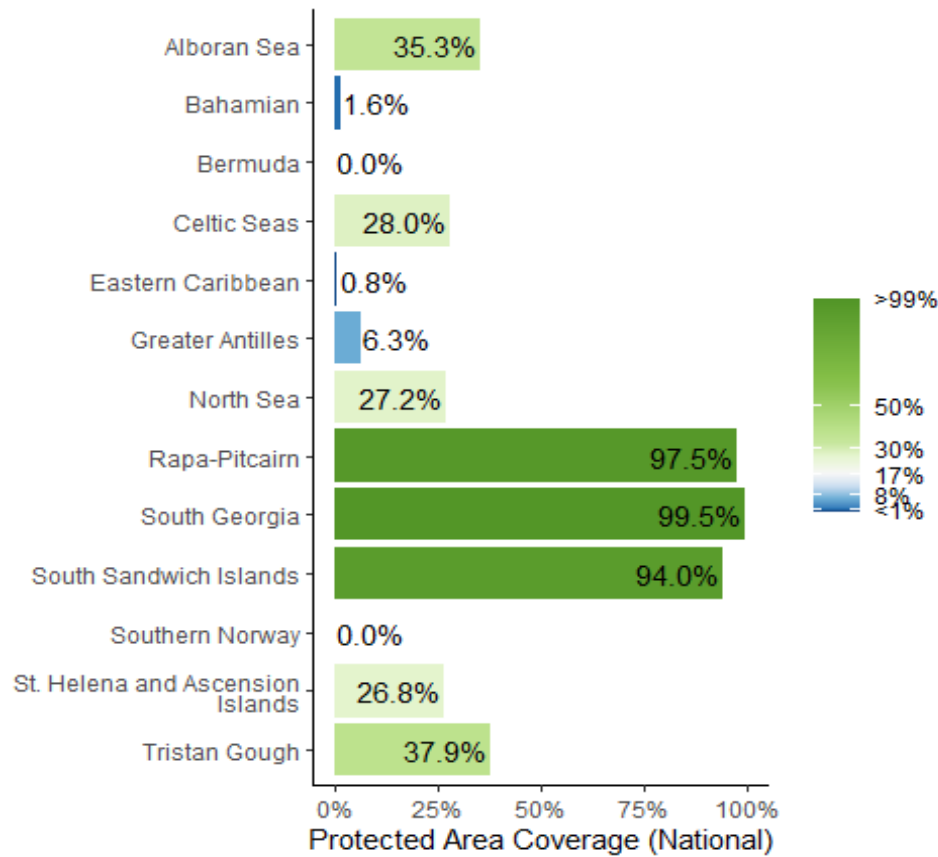


Marine ecoregions and pelagic provinces in The United Kingdom of Great Britain and Northern Ireland (map only showing Metropolitan UK, which has 3 marine ecoregions, mean coverage of 18.3%, and 1 pelagic province, coverage of 28% [total # and mean % coverage in image for all of the UK, including overseas territories])



Pelagic Provinces of the World (PPOW) in The United Kingdom of Great Britain and Northern Ireland (Metropolitan UK and UK Overseas Territories combined)

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Marine Ecoregions of the World (MEOW) in The United Kingdom of Great Britain and Northern Ireland (Metropolitan UK and UK Overseas Territories combined)

Opportunities for action

There is opportunity for The United Kingdom of Great Britain and Northern Ireland to increase protection in terrestrial and marine ecoregions and pelagic provinces that have lower levels of coverage by PAs or OECMs. Ecoregions which currently have no coverage by PAs or OECMs are key areas for action.

AREAS IMPORTANT FOR BIODIVERSITY

Coverage of KBAs and EBSAs are not indicators we use to measure progress towards Aichi Target 11 in the UK (nor were they used as criteria to select PAs and OECMs).

Key Biodiversity Areas (KBAs)

Protected area and OECM coverage of Key Biodiversity Areas (KBAs) provide one proxy for assessing the conservation of areas important for biodiversity at national, regional and global scales. KBAs are sites that make significant contributions to the global persistence of biodiversity (IUCN, 2016). The KBA concept builds on four decades of efforts to identify important sites for biodiversity, including Important Bird and Biodiversity Areas, Alliance for Zero Extinction sites, and KBAs identified through Hotspot ecosystem profiles supported by the Critical Ecosystem Partnership Fund. Incorporating these sites, the dataset of internationally significant KBAs includes Global KBAs (sites shown to meet one or more of 11 criteria in the Global Standard for the Identification of KBAs, clustered into five categories: threatened biodiversity; geographically restricted biodiversity; ecological integrity; biological processes; and irreplaceability), Regional KBAs (sites identified using pre-existing criteria and thresholds, that do not meet the Global KBA criteria based on existing information), and KBAs whose Global/Regional status is Not yet determined, but which will be assessed against the global KBA criteria within 8-12 years. Regional KBAs are often of critical international policy relevance (e.g., in EU legislation and under the Ramsar Convention on Wetlands), and many are likely to qualify as Global KBAs in future once assessed for their biodiversity importance for other taxonomic groups and ecosystems. To date, nearly 16,000 KBAs have identified globally, and information on each of these is presented in the World Database of Key Biodiversity Areas: www.keybiodiversityareas.org.

The United Kingdom of Great Britain and Northern Ireland has **313** Key Biodiversity Areas (KBAs).⁹

- Mean percent coverage of all KBAs by PAs and OECMs in The United Kingdom of Great Britain and Northern Ireland is **86.8%**.
- **228** KBAs have full (>98%) coverage by PAs and OECMs.
- **73** KBAs have partial coverage by PAs and OECMs.
- **12** KBAs have no (<2%) coverage by PAs and OECMs.

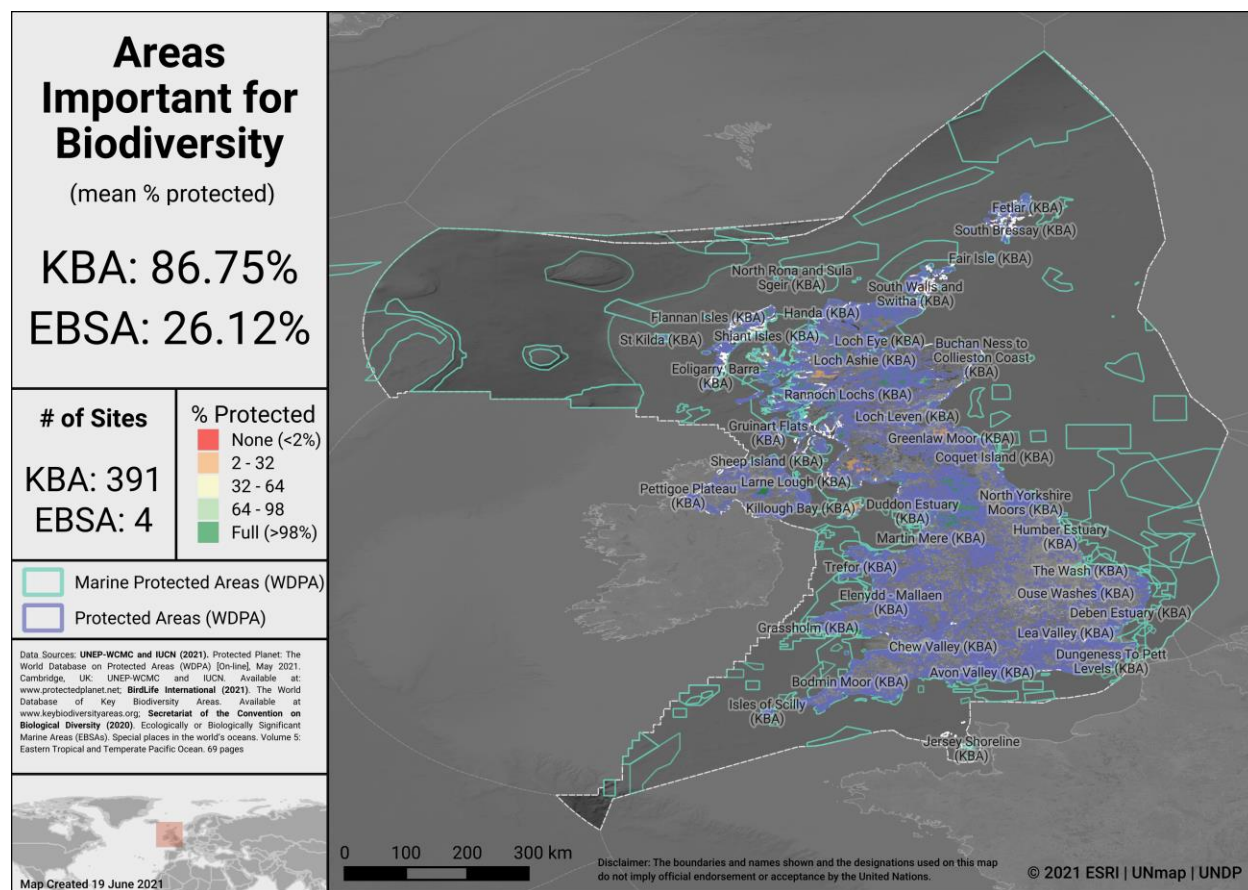
Coverage statistics for all individual KBAs in the United Kingdom of Great Britain and Northern Ireland available in Annex II.

⁹ UK Overseas territories have an additional 72 KBAs, of which 9 have full coverage (>98%), 24 have partial coverage, and 37 have no coverage (<2%) from PAs and OECMs.

Ecologically or Biologically Significant Marine Areas (EBSAs)

Other important areas for biodiversity may also include Ecologically or Biologically Significant Marine Areas (EBSAs), which were identified following the scientific criteria adopted at COP-9 (Decision IX/20; see more at: <https://www.cbd.int/ebsa/>). Sites that meet the EBSA criteria may require enhanced conservation and management measures; this could be achieved through means including MPAs, OECMs, marine spatial planning, and impact assessment.

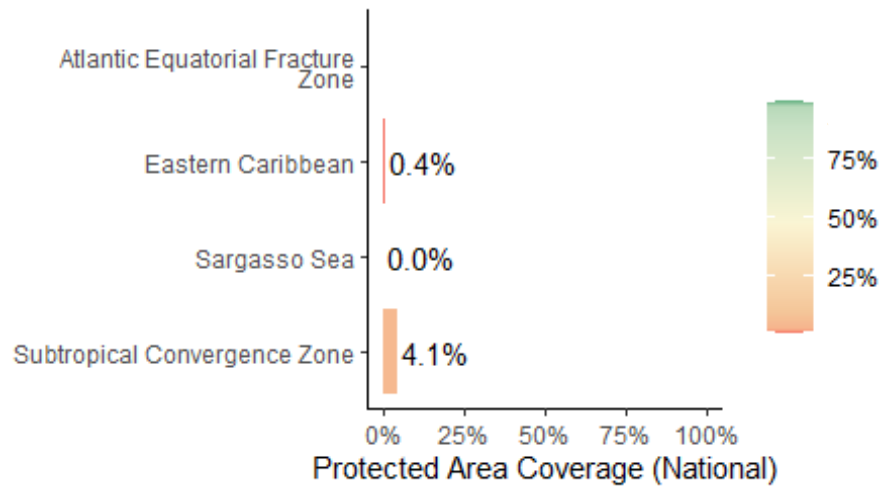
There are 4 EBSAs with some portion of their extent within the EEZ of UK Overseas Territories, of which 2 EBSAs have no coverage from PAs.



Areas Important for Biodiversity in The United Kingdom of Great Britain and Northern Ireland (map only showing Metropolitan UK; total # of sites include all of the UK (including overseas territories); % coverage of KBAs for Metropolitan UK only; EBSAs are only located in UK Overseas Territories

Coverage statistics for all KBAs is available in Annex II.

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Ecologically or Biologically Significant Marine Areas (EBSAs) in UK Overseas Territories

Opportunities for action

There is opportunity for The United Kingdom of Great Britain and Northern Ireland to increase protection of KBAs that have lower levels of coverage by PAs and OECMs; priority could be given to those with no current coverage

AREAS IMPORTANT FOR ECOSYSTEM SERVICES

There is no single indicator identified for assessing the conservation of areas important for ecosystem services. For simplicity, two services with available global datasets are assessed here (carbon and water). In future, other critical ecosystem services could be explored.

Carbon stocks and water catchments are not indicators used to measure progress towards Aichi Target 11 in the UK (nor were they used as criteria to select PAs and OECMs).

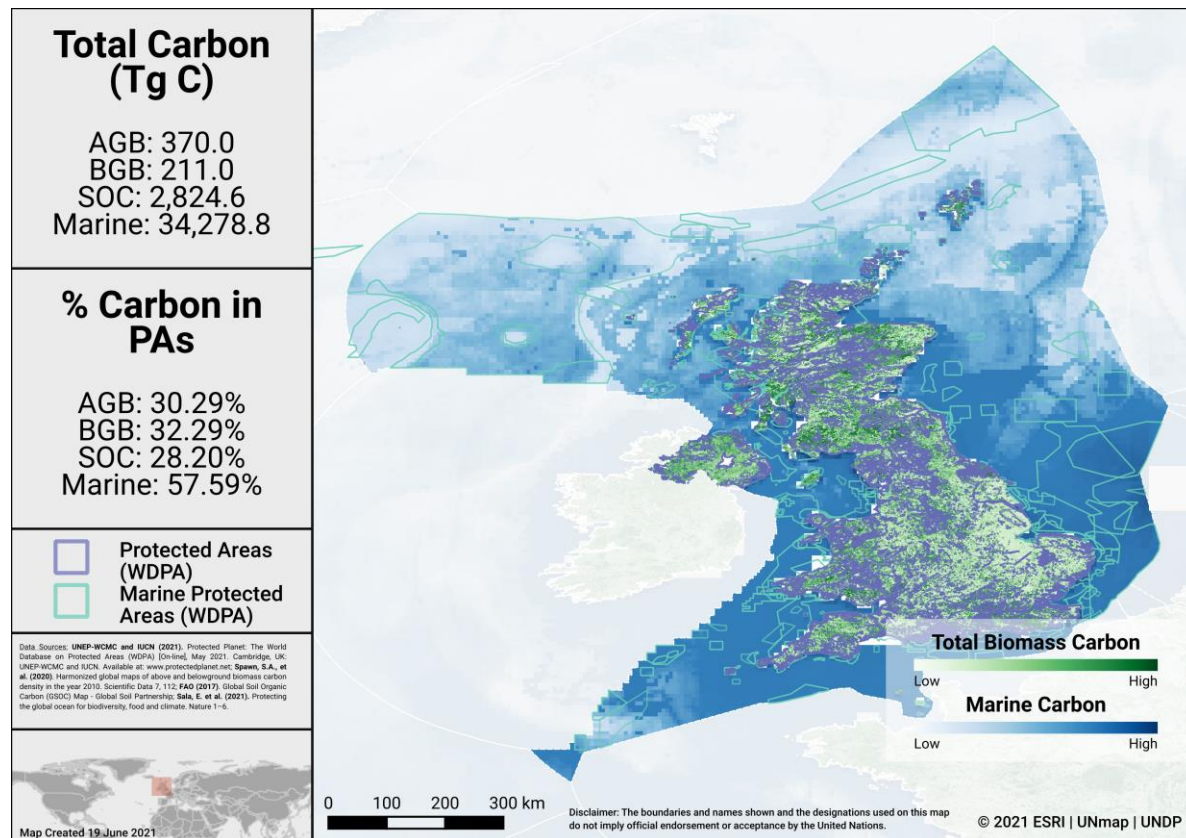
Carbon

Data for biomass carbon comes from temporally consistent and harmonized global maps of aboveground biomass and belowground biomass carbon density (at a 300-m spatial resolution); the maps integrate land-cover specific, remotely sensed data, and land-cover specific empirical models (see Spawn et al., 2020 for details on methodology). The Global Soil Organic Carbon Map present an estimation of SOC stock from 0 to 30 cm (see FAO, 2017). Data is also presented from global maps of marine sedimentary carbon stocks, standardized to a 1-meter depth (see Sala et al., 2021, and Atwood et al., 2020).

The map below presents the total carbon stocks in Metropolitan UK (data not listed for UK Overseas Territories) and the percent of carbon in protected areas. The total carbon stocks is 370.0 Tg C from aboveground biomass (AGB), with 30.3% in protected areas; 211.0 Tg C from below ground biomass (BGB), with 32.3% in protected areas; 2,824.6 Tg C from soil organic carbon (SOC), with 28.2% in protected areas; and 34,278.8 Tg C from marine sediment carbon, with 57.6% in protected areas.



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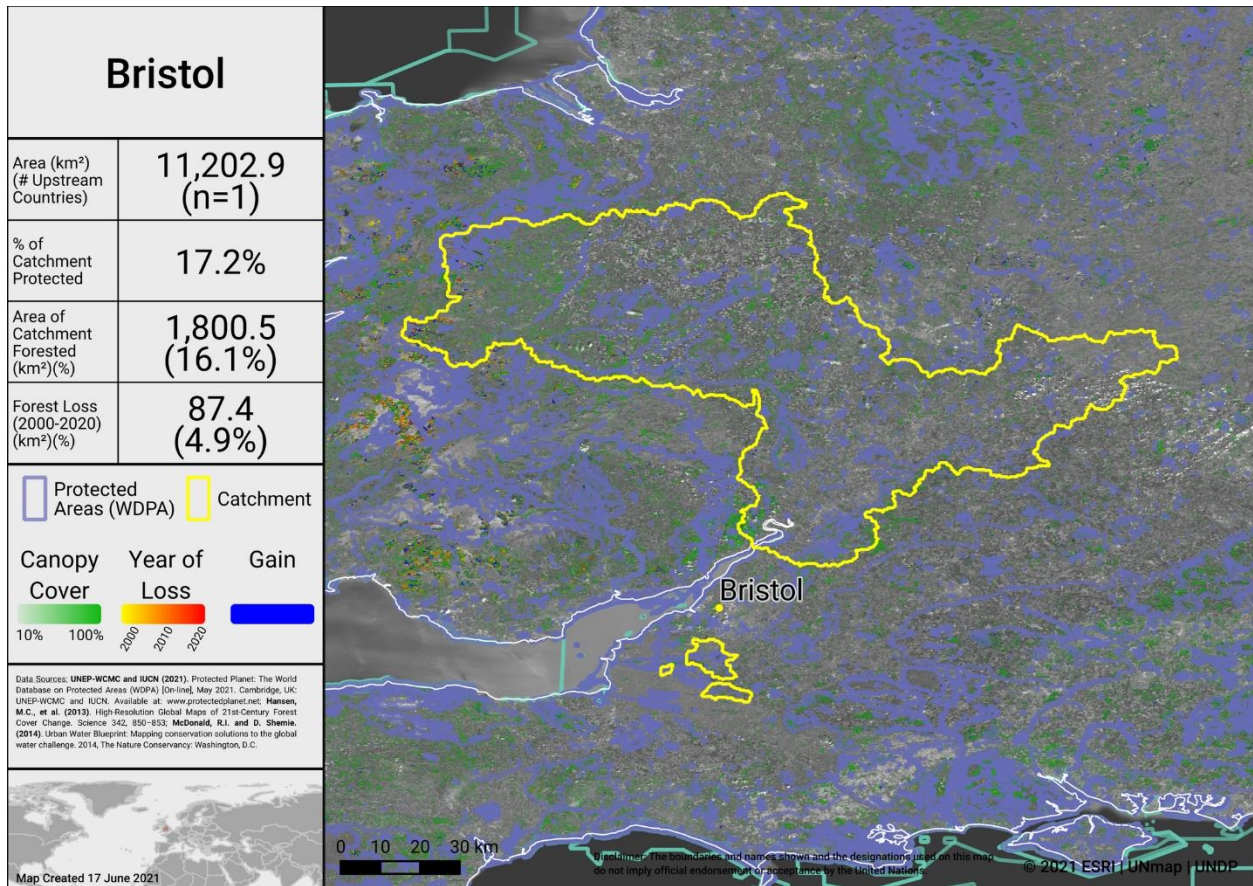
Carbon Stocks in Metropolitan UK (data not listed for overseas territories)

Water

Forests support stormwater management and clean water availability, especially for large urban populations. Research that has examined the role of forests for city drinking water supplies shows that of the world's 105 largest cities, more than 30% (33 cities) rely heavily on the local protected forests, which provide ecosystem services that underpin local drinking water availability and quality (Dudley & Stolton, 2003).

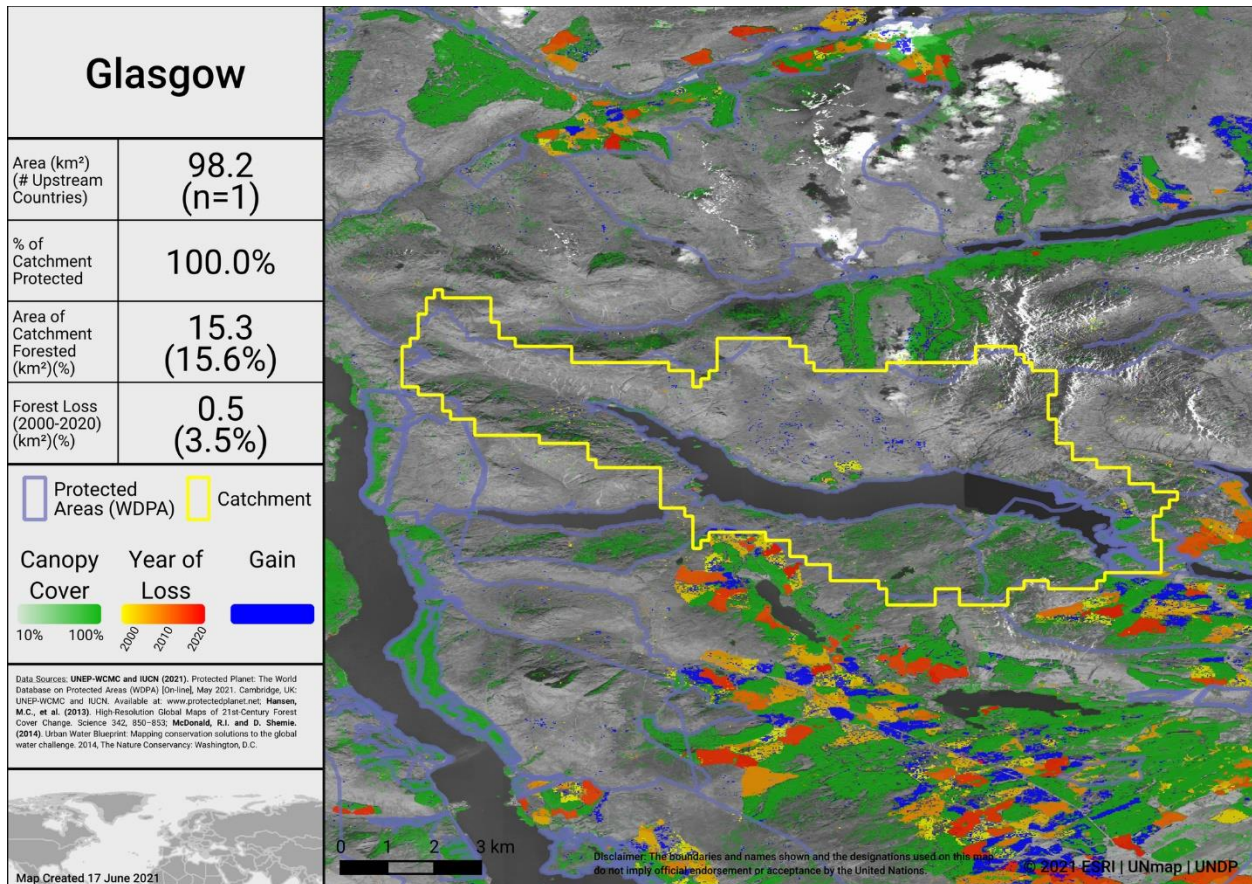
Drinking water supplies for cities in The United Kingdom of Great Britain and Northern Ireland may similarly depend on protected forest areas within and around water catchments. The maps below show the percentage forest cover and the forest loss from 2000-2020 in the most heavily populated water catchments of Metropolitan UK. Intact catchments can support more consistent water supply and improved water quality.

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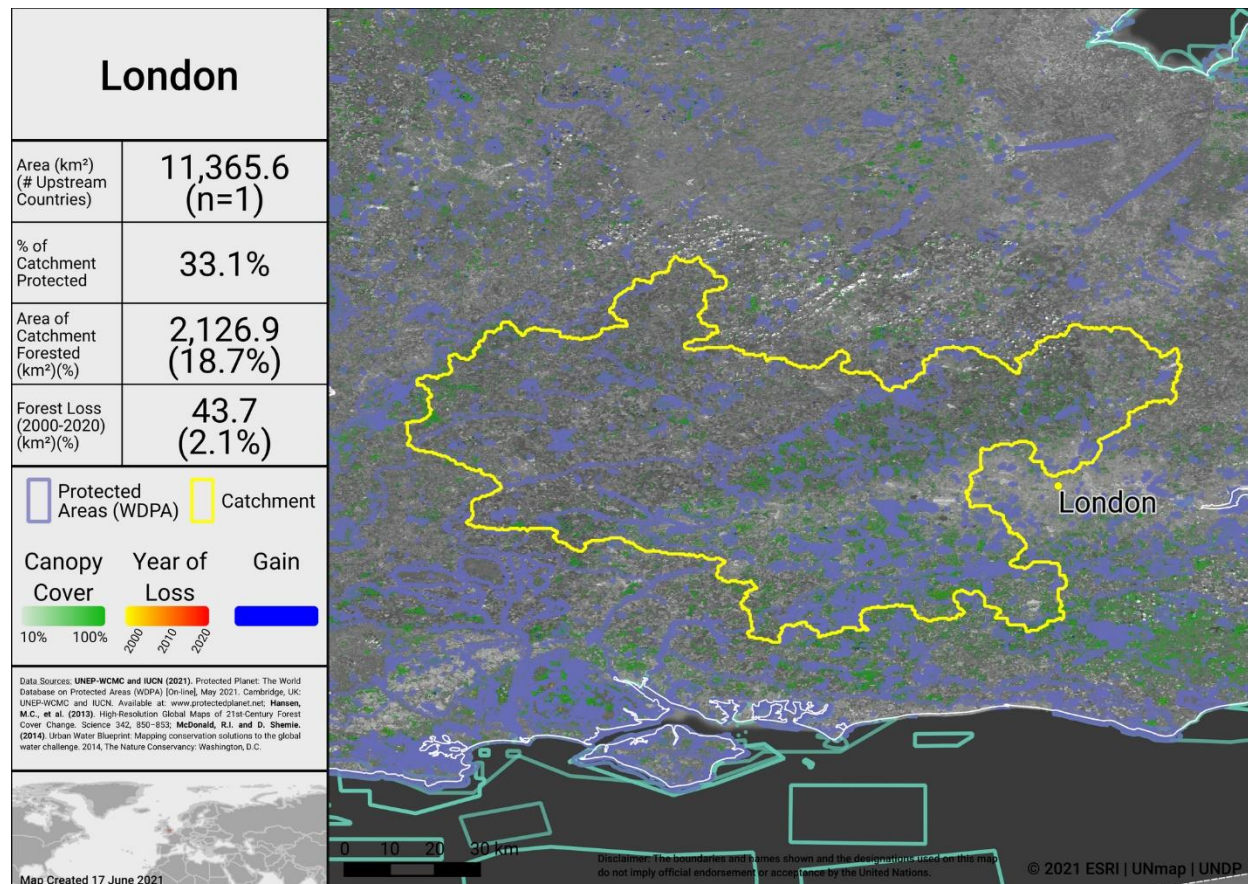
Water catchment in Bristol

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Water catchment in Glasgow

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Water catchment in London

Opportunities for action

For carbon, there is opportunity for The United Kingdom of Great Britain and Northern Ireland to increase PA and OECM coverage, or enhance effective management, in both marine and terrestrial areas with high carbon stocks, as identified in the map above (for Metropolitan UK). Protecting areas with high carbon stocks secures the benefits of carbon sequestration in the area.

For water, there is opportunity to increase the area of the water catchment under protection by PAs and OECMs, or in cases where there is high levels of protection, focus on effective management for these areas. Protecting the current area of forested land and potentially reforesting would have benefits for improving water security.

CONNECTIVITY & INTEGRATION

Two global indicators, the Protected Connected land indicator (ProtConn; EC-JRC, 2021; Saura et al., 2018) and the PARC-Connectedness indicator (CSIRO, 2019), have been proposed for assessing the terrestrial connectivity of PA and OECM networks. To date there is no global indicator for assessing marine connectivity, though some recent developments include proposed guidance for the treatment of connectivity in the planning and management of MPAs (see Lausche et al., 2021).

Prot-Conn and PARC-Connectedness are not indicators used to measure progress towards Aichi Target 11 in the UK.

Protected Connected Land Indicator (Prot-Conn)

As of January 2021, as reported in the Joint Research Centre of the European Commission's Digital Observatory for Protected Areas (DOPA) (JRC, 2021), the coverage of protected-connected lands (a measure of the connectivity of terrestrial protected area networks, assessed using the ProtConn indicator) in Metropolitan UK was 14.0%.

PARC-Connectedness Index

In 2019, as assessed using the PARC-Connectedness Index (values ranging from 0-1, indicating low to high connectivity), connectivity in Metropolitan UK is 0.41. This represents no significant change since 2010.

Corridor case studies

There are currently no corridor case studies available for The United Kingdom of Great Britain and Northern Ireland (but see general details on conserving connectivity through ecological networks and corridors in Hilty et al 2020).

Opportunities for action

There is opportunity to focus on PA and OECM management for enhancing and maintaining connectivity. Improving connectivity increases the effectiveness of PAs and OECMs and reduces the impacts of fragmentation.

As well, a range of suggested steps for enhancing and supporting integration are included in the voluntary guidance on the integration of PAs and OECMs into the wider land- and seascapes and mainstreaming across sectors to contribute, inter alia, to the SDGs (Annex I of COP Decision 14/8).



GOVERNANCE DIVERSITY

There is a lack of comprehensive global data on governance quality and equity in PAs and OECMs. Here, we provide data on the diversity of governance types for reported PAs and OECMs.

As of May 2021, PAs in Metropolitan UK reported in the WDPA have the following governance types (by number of sites):

- 87.9% are governed by **governments** (by federal or national ministry or agency)
- 4.9% are under **shared** governance
 - 3.3 % by collaborative governance
 - 1.7% by joint governance
- 5.8% are under **private** governance (5.8% by non-profit organisations)
- 0.0% are under **IPLC** governance
- 1.3% **do not** report a governance type
 - (All of which are international designations)

As of May 2021, PAs in UK Overseas Territories reported in the WDPA have the following governance types (by number of sites):

- 39.9% are governed by **governments**
 - 32.9% by federal or national ministry or agency
 - 7.0% by Sub-national ministry or agency
- 0.0% are under **shared** governance
- 9.9% are under **private** governance (5.8% by non-profit organisations)
- 0.0% are under **IPLC** governance
- 50.1% **do not** report a governance type

OECMs

As of May 2021, there are **10** OECMs in UK Overseas Territories (0 in Metropolitan UK), which have the following governance types:

- 100% are governed by **governments** (by federal or national ministry or agency)

Privately Protected Areas (PPAs)

From Country reviews presented in Stolton et al. (2014):

- 4,413 PPAs have been established or recognized.
 - These PPAs cover 4,045.4 km².

Territories and areas conserved by Indigenous Peoples and local communities (ICCAs)

From Kothari et al. (2012) potential ICCAs (or similar designation) in The United Kingdom of Great Britain and Northern Ireland include:



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- Commons (number not known)
 - These cover 4,000.0 km².
 - Unclear how many ‘commons’ sites correspond to the international concept of ICCAs
- Other potential ICCAs include: 4300 town and village greens (majority are <1ha in size, and state of conservation of sites is not always known); 250 community orchards (majority are <1ha); 317 community woodlands (range from 2-84 ha); and 1000 community green spaces categorised as related to ‘environmental conservation’ (avg size is 47 ha)

Other Indigenous lands

There is currently no data available on the total area of lands managed and/or controlled by Indigenous Peoples in The United Kingdom of Great Britain and Northern Ireland (see Garnett et al 2018).

Opportunities for action

Explore opportunities for governance types that have lower representation. There is also opportunity for The United Kingdom of Great Britain and Northern Ireland to complete governance and equity assessments, to establish baselines and identify relevant actions for improvement. Examples of existing tools and methodologies include: Governance Assessment for Protected and Conserved Areas (Franks & Brooker, 2018), Social Assessment of Protected Areas (Franks et al 2018), and Site-level assessment of governance and equity (IIED, 2020). As well, a range of suggested actions are included in the voluntary guidance on effective governance models for management of protected areas, including equity (Annex II of COP Decision 14/8).



PROTECTED AREA MANAGEMENT EFFECTIVENESS

This section provides information on the coverage of PAs and OECMs with completed protected area management effectiveness (PAME) assessments as reported in the global database (GD-PAME). The proportion of terrestrial and marine PAs with completed PAME assessments is also calculated and compared with the 60% target agreed to in COP-10 Decision X/31. Information is also included regarding changes in forest cover nationally within PAs and OECMs.

Protected area management effectiveness (PAME) assessments

Over 60% of sites within the UK PA network are compliant with global management effectiveness criteria, as supported by positive trends seen in the condition of the UK protected areas (for details see the UK's 6th National Report to the CBD: <https://www.cbd.int/doc/nr/nr-06/gb-nr-06-p1-en.pdf>).

As of May 2021, Metropolitan UK has 11,837 PAs reported in the WDPA; of these PAs, 8069 (68.2%) have management effectiveness evaluations reported in the global database on protected area management effectiveness (GD-PAME).

- 11.2% (27,502 km²) of the terrestrial area of the country is covered by PAs with completed management effectiveness evaluations.
 - 39.0% of the area of terrestrial PAs have completed evaluations.
- 17.8% (128,584 km²) of the marine area of the country is covered by PAs with completed management effectiveness evaluations.
 - 40.2% of the area of marine PAs have completed evaluations.

As of May 2021, UK Overseas Territories have 343 PAs reported in the WDPA; of these PAs, 1 has a management effectiveness evaluations reported in the GD-PAME.

- 0.2% (37 km²) of total terrestrial area with completed evaluations.
 - 2.6% of the area of terrestrial PAs have completed evaluations.
- <0.1% (4.3 km²) of total marine area with completed evaluations.
 - <0.1% of the area of marine PAs have completed evaluations.

The 60% target for the area of PAs with completed management effectiveness assessments (per COP Decision X/31) has not been met for terrestrial PAs and has not been met for marine PAs; however, more than 60% of PAs (by total number) have reported management effectiveness assessments in the GD-PAME.

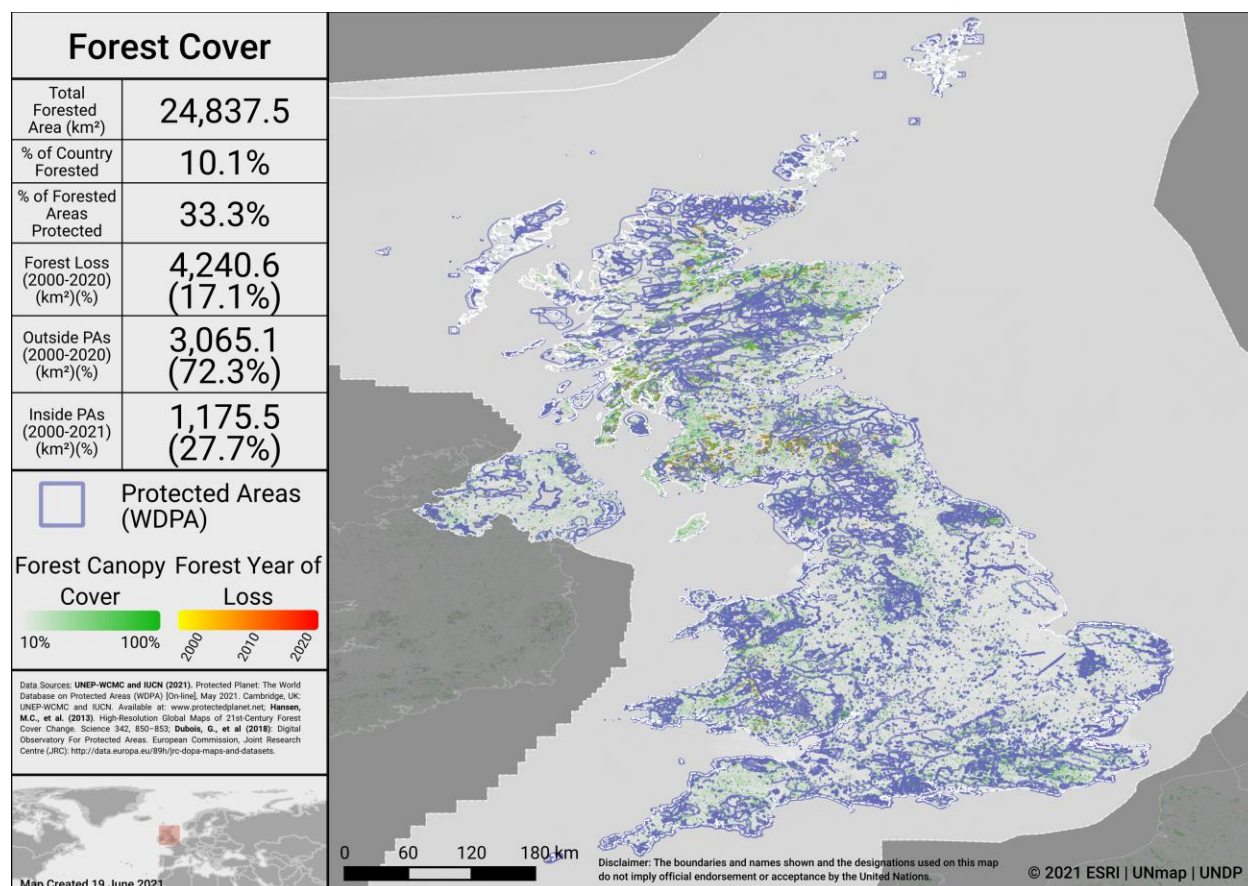
Changes in forest cover in protected areas and OECMs

Forested areas in Metropolitan UK cover approximately 10.1% of the country, an area of 24,837.5 km². Approximately 33.3% (8,279.1 km²) of this is within the protected area estate of Metropolitan UK. Over the period 2000-2020 loss of forest cover amounted to over 4,240.6 km², or 1.7% of the country (17.1% of forest area), of which 1,175.5 km² (27.7% of forest loss) occurred within protected areas. The map below shows how forest



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cover has changed in Metropolitan U from 2000-2020 both inside and outside of PAs. This can indicate how effective PAs are in reducing forest cover loss.



Forest Cover and Forest Loss in showing Metropolitan UK

Opportunities for action

The 60% target for completed management effectiveness assessments (per COP Decision X/31) has not been met for terrestrial PAs and has not been met for marine PAs. The 60% target for the total number of PAs assessed **has** been surpassed. There is opportunity to increase protected area management effectiveness (PAME) evaluations for both terrestrial and marine PAs.

There is also opportunity to implement the results of completed PAME evaluations, to improve the quality of management for existing PAs and OECMs (e.g. through adaptive management and information sharing, increasing the number of sites reporting 'sound management') and to increase reporting of biodiversity outcomes in PAs and OECMs.

SECTION II: EXISTING PROTECTED AREA AND OECM COMMITMENTS

NATIONAL BIODIVERSITY STRATEGY AND ACTION PLANS (NBSAPs)

The United Kingdom of Great Britain and Northern Ireland has submitted an NBSAP during the Strategic Plan for Biodiversity 2011-2020 (most recent NBSAP is available at: <https://www.cbd.int/nbsap/search/>).

England: *1B. More, bigger and less fragmented areas for wildlife, with no net loss of priority habitat and an increase in the overall extent of priority habitats by at least 200,000 ha;*

1C. By 2020, at least 17% of land and inland water, especially areas of particular importance for biodiversity and ecosystem services, conserved through effective, integrated and joined up approaches to safeguard biodiversity and ecosystem services including through management of our existing systems of protected areas and the establishment of nature improvement areas;

2A. By the end of 2016 in excess of 25% of English waters will be contained in a well-managed Marine Protected Area network that helps deliver ecological coherence by conserving representative marine habitats;

Northern Ireland: *Complete the statutory designation programmes, subject to scientific evidence and resources, and manage designated sites to achieve favourable conservation status (Actions include: Complete the SAC and SPA designation programmes, etc.)*

Scotland: *conserve at least 18% of land and inland water and 10% of coastal and marine ecosystems, within protected areas by 2020.*

Wales: *Objective 2: Safeguard species and habitats of principal importance and improve their management (key interventions include: Keep our protected site series under review to ensure it meets our biodiversity objectives; Selection and management of Local Wildlife Sites/Sites of Importance for Nature Conservation by Local Authorities)*

We are contributing to an ecologically coherent network of MPAs (e.g. 128 already designated, covering 75% of our coastline and 35% of our seas)



UN OCEAN CONFERENCE VOLUNTARY COMMITMENTS

Voluntary commitments for the UN Ocean Conference are initiatives voluntarily undertaken by governments, the UN system, non-governmental organizations, among other actors—individually or in partnership—that aim to contribute to the implementation of SDG 14 (here we focus in particular on SDG 14.5). The registry of commitments was opened in February 2017, in the lead up to the first UN Ocean Conference (5 to 9 June 2017).

Ocean Actions improving MPA or OECM coverage:

#OceanAction19624: Marine Protected Areas in the UK and our Overseas Territories, by The United Kingdom of Great Britain and Northern Ireland (Government).

- Area to be added: 0 km² (**already complete**)
- Progress report: Yes, Submitted 3 November 2020 (Overall status: On track).
- Further details available at:
<https://oceanconference.un.org/commitments/?id=19624>.

OTHER ACTIONS/COMMITMENTS

Leaders' Pledge for Nature

The United Kingdom of Great Britain and Northern Ireland **has** signed onto the Leaders' Pledge for Nature.

Political leaders participating in the United Nations Summit on Biodiversity in September 2020, representing 88 countries from all regions and the European Union, have committed to reversing biodiversity loss by 2030. By doing so, these leaders are sending a united signal to step up global ambition and encourage others to match their collective ambition for nature, climate, and people with the scale of the crisis at hand.

High Ambition Coalition for Nature and People

The United Kingdom of Great Britain and Northern Ireland is **Ocean Co-Chair** of the High Ambition Coalition for Nature and People.

The High Ambition Coalition for Nature and People (HAC) is an intergovernmental group, co-chaired by France and Costa Rica by the UK as Ocean Co-Chair [containing 76 countries and the European Commission as of December 2021]. Its objective is to support the adoption of a target aiming to protect at least 30% of the planet's land and at least 30% of its ocean by 2030 (30x30 target), within the future global framework of the Convention on Biological Diversity (CBD), which is to be adopted at the next COP in China.



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Global Ocean Alliance

The United Kingdom of Great Britain and Northern Ireland **chairs** the Global Ocean Alliance: 30by30 initiative.

The Global Ocean Alliance 30by30 is a UK led initiative containing 71 countries as signatories (as of December 2021). Its aim is to protect at least 30% of the global ocean as Marine Protected Areas (MPAs) and Other Effective area-based Conservation Measures (OECMs) by 2030.

Other commitments addressing improved coverage of PAs or OECMs

- Scotland MPAs (consultation on proposals for four new MPAs closed in 2019). The four proposed MPAs include: North-east Lewis (907 km²), Southern Trench (2,536 km²), Sea of the Hebrides (10,039 km²), Shiant East Bank (308 km²). [Total proposed: 13,790 km²]
- Tristan da Cunha marine protected area (687,247km² Marine Protection Zone) [*as of October 2021, this site is now designated and listed in the WDPA*]



ANNEX I

FULL LIST OF TERRESTRIAL ECOREGIONS

Ecoregions in italics occur in Metropolitan UK, the remainder occur in UK Overseas Territories (a small portion Celtic broadleaf forests and Atlantic mixed forests Jersey, Guernsey, and the Isle of Man)

Ecoregion Name	Area (km²)	% of Global Ecoregion in Country	% of Country in Ecoregion	Area Protected (km²)	% Protected in Country
Ascension scrub and grasslands	92.9	100.0	0.0	14.8	15.9
Bahamian-Antillean mangroves	379.4	1.7	0.2	136.9	36.1
Bahamian pineyards	277.9	4.0	0.1	24.9	9.0
Bermuda subtropical conifer forests	39.4	100.0	0.0	0.3	0.8
<i>Caledon conifer forests</i>	<i>22,112.4</i>	<i>100.0</i>	<i>8.8</i>	<i>10,023.9</i>	<i>45.3</i>
Caribbean shrublands	213.0	6.8	0.1	15.8	7.4
<i>Celtic broadleaf forests</i>	<i>157,095.1</i>	<i>74.8</i>	<i>62.6</i>	<i>36,349.7</i>	<i>23.1</i>
Cuban dry forests	130.0	0.2	0.1	10.4	8.0
<i>English Lowlands beech forests</i>	<i>45,769.8</i>	<i>100.0</i>	<i>18.3</i>	<i>14,684.5</i>	<i>32.1</i>
European Atlantic mixed forests	215.9	0.1	0.1	11.7	5.4
Leeward Islands moist forests	49.1	5.0	0.0	9.4	19.2
Lesser Antillean dry forests	52.5	8.3	0.0	3.2	6.2
<i>North Atlantic moist mixed forests</i>	<i>21,877.7</i>	<i>56.5</i>	<i>8.7</i>	<i>9,307.5</i>	<i>42.5</i>



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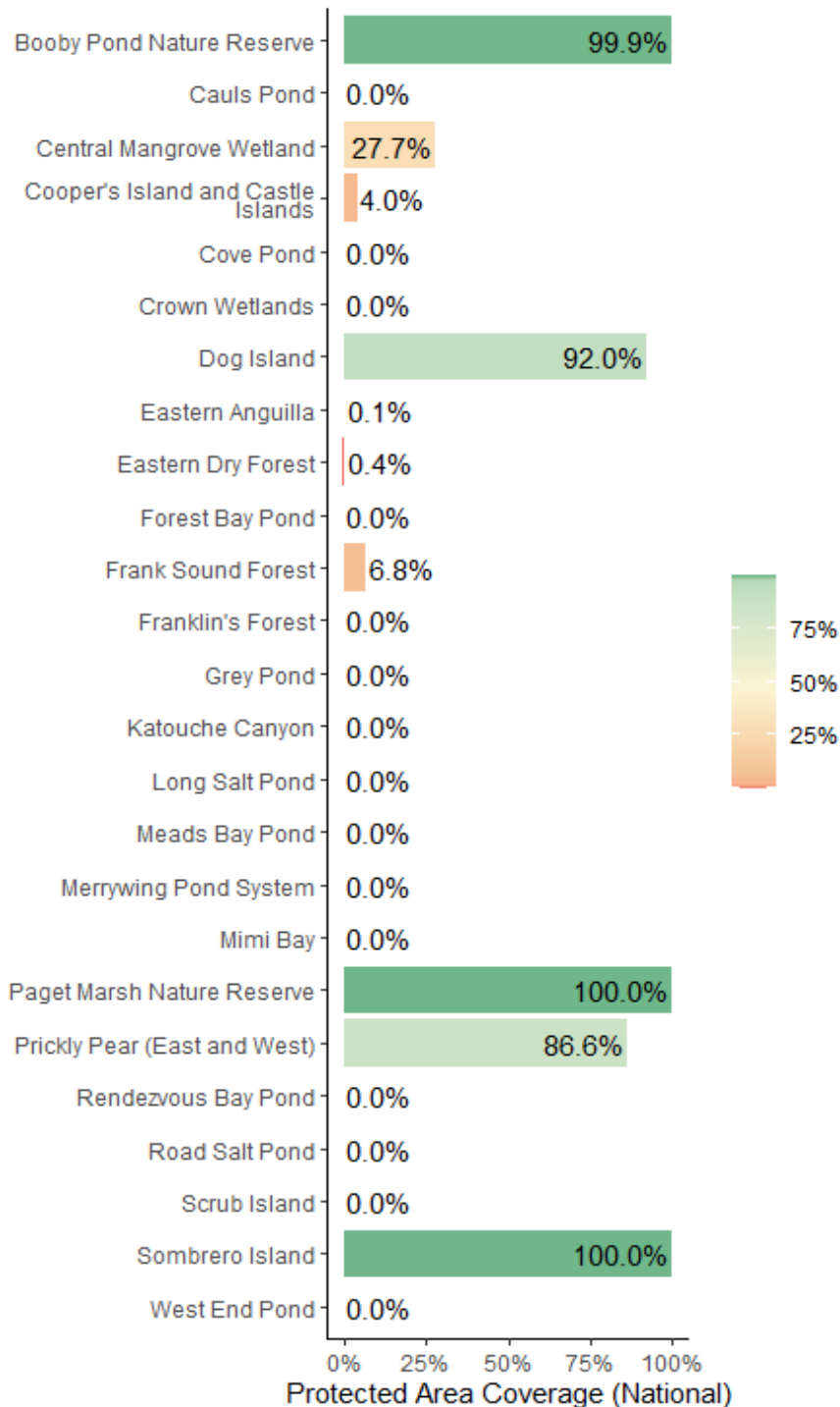
Ecoregion Name	Area (km²)	% of Global Ecoregion in Country	% of Country in Ecoregion	Area Protected (km²)	% Protected in Country
Scotia Sea Islands tundra	3,935.7	48.3	1.6	0.0	0.0
Southwest Iberian Mediterranean sclerophyllous and mixed forests	4.9	0.0	0.0	1.3	25.6
St. Helena scrub and woodlands	130.0	100.0	0.1	0.0	0.0
Tristan Da Cunha-Gough Islands shrub and grasslands	167.4	100.0	0.1	0.0	0.0
Tuamotu tropical moist forests	47.3	5.0	0.0	39.9	84.5



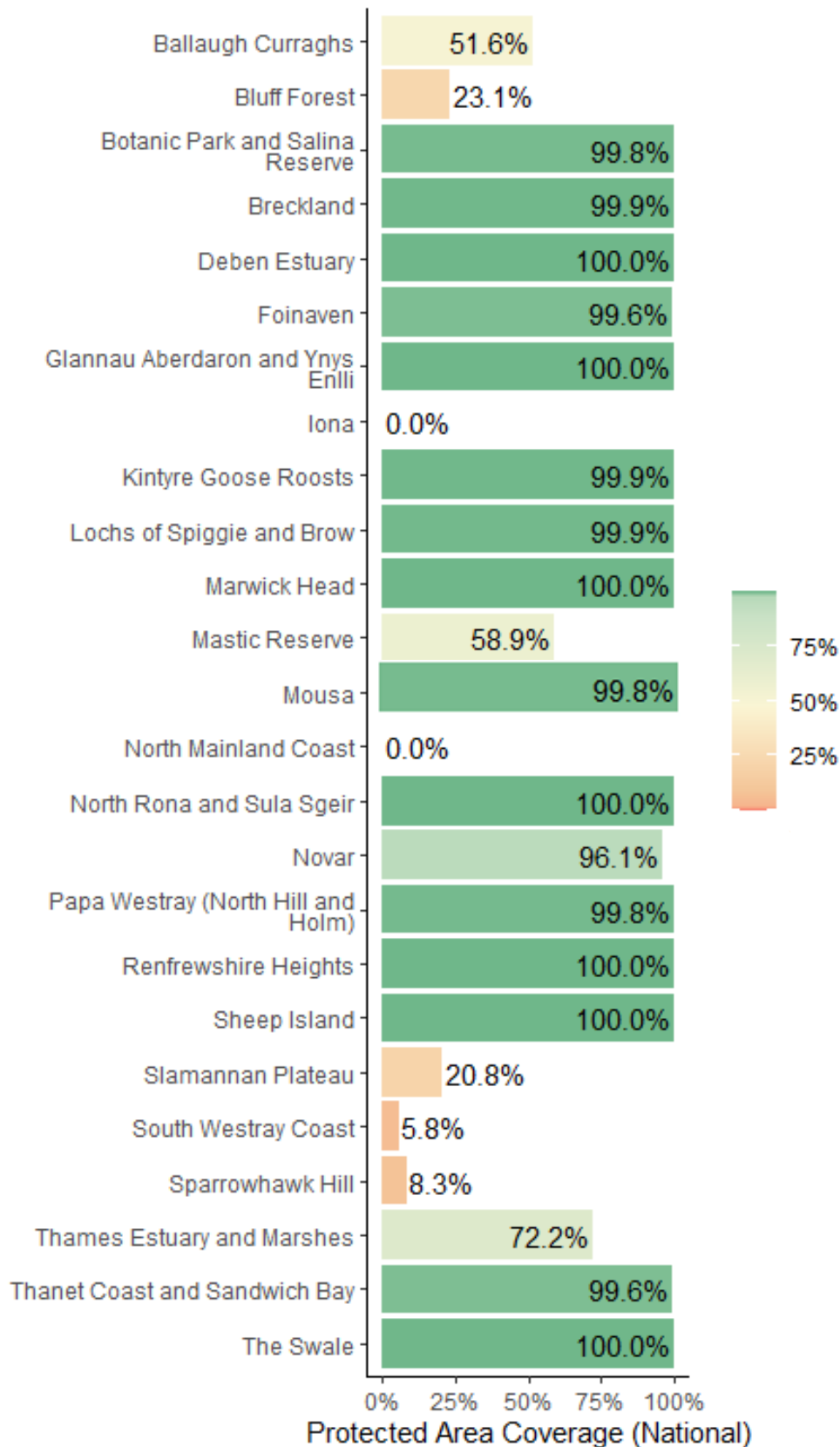
ANNEX II

FULL LIST OF KBA COVERAGE GRAPHS

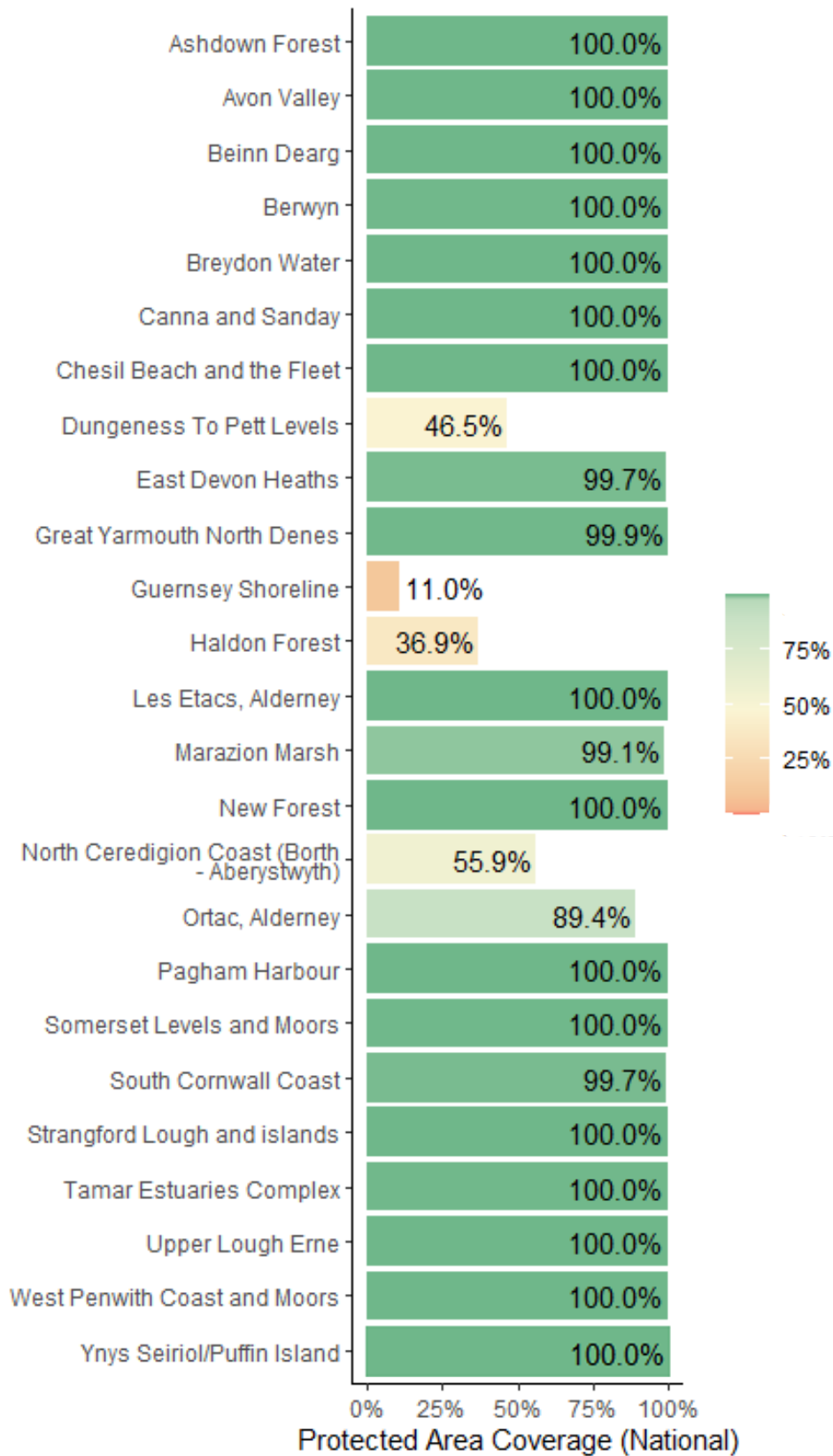
KBAs for Metropolitan UK and UK Overseas Territories



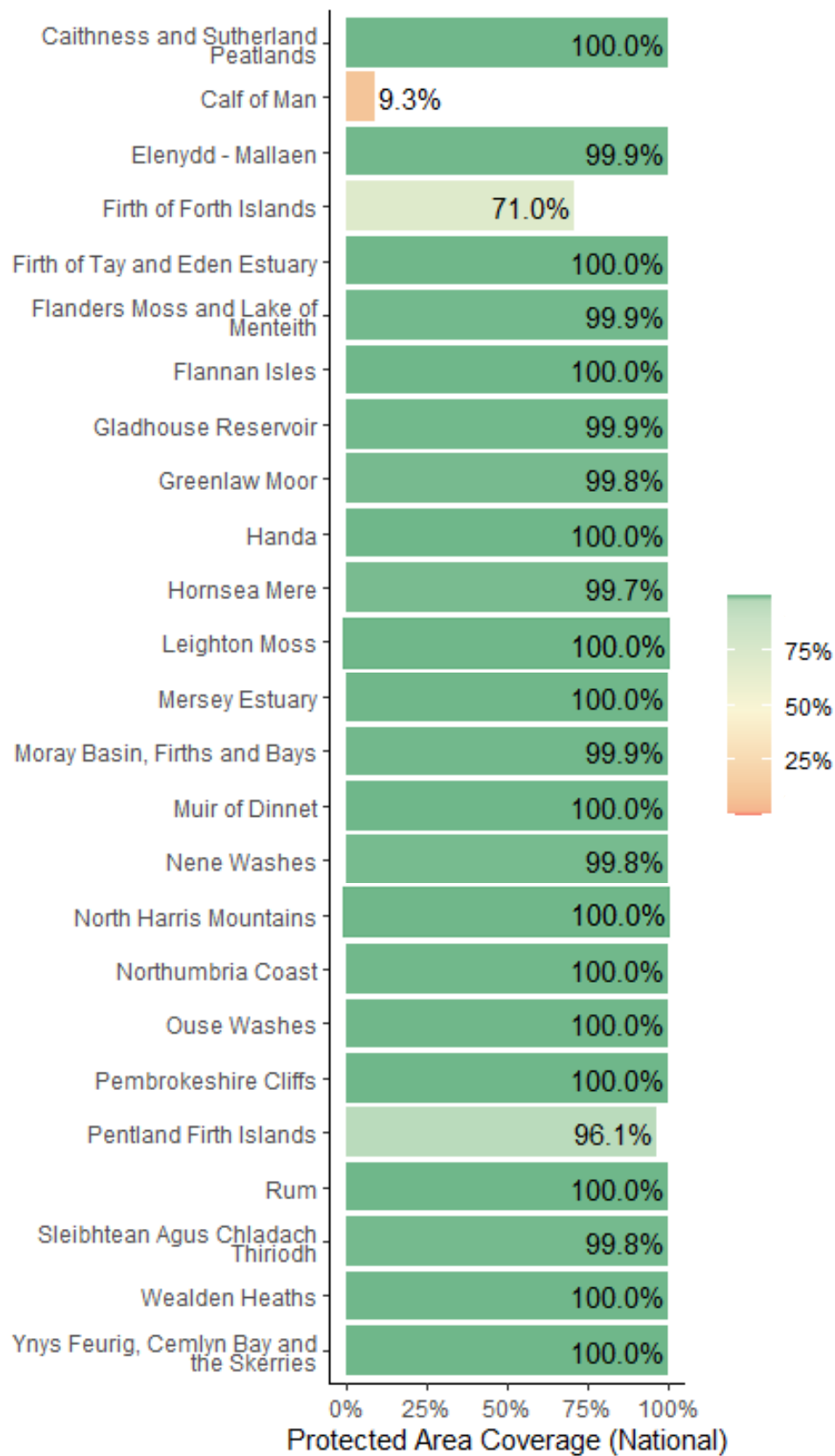
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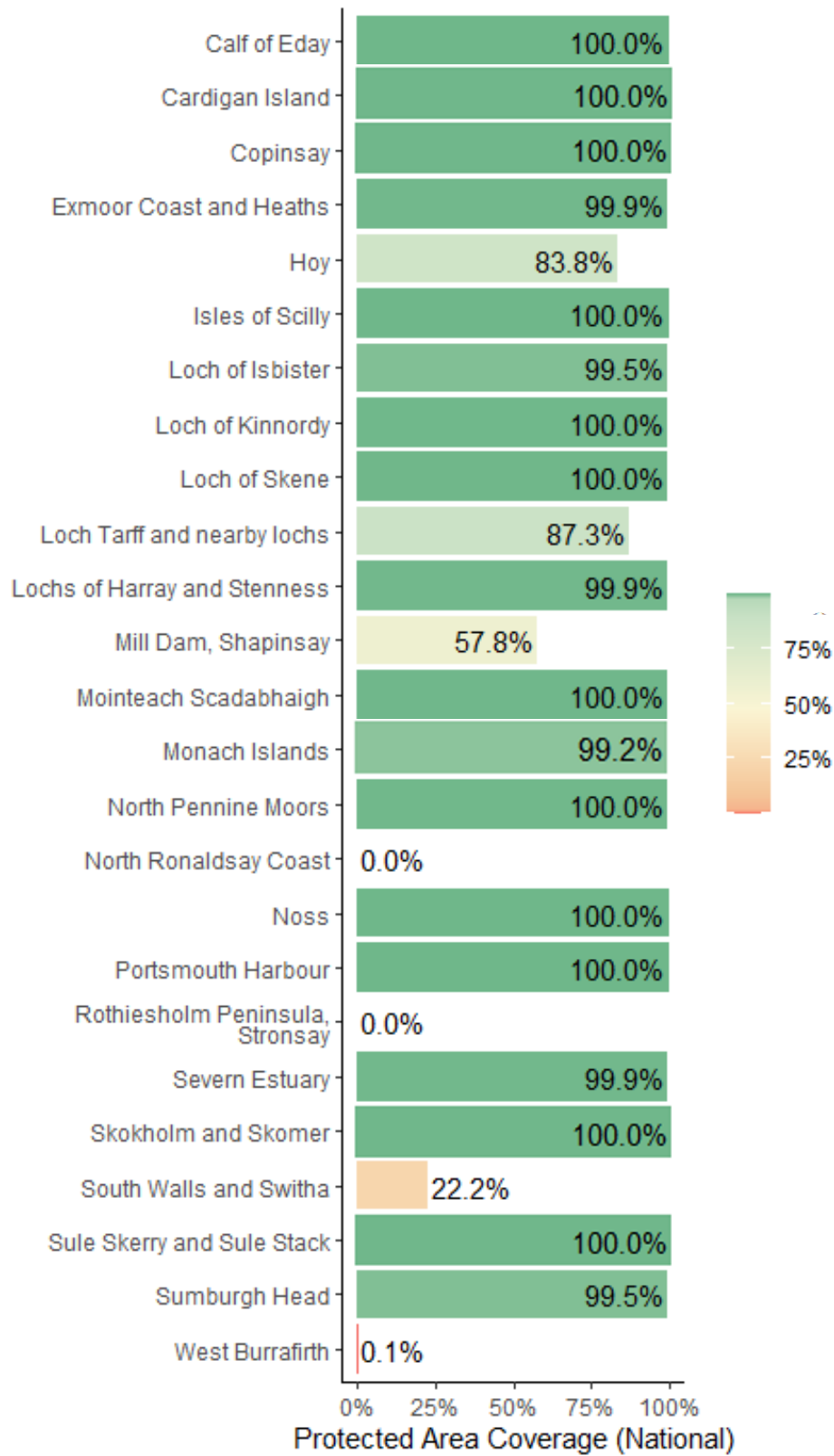
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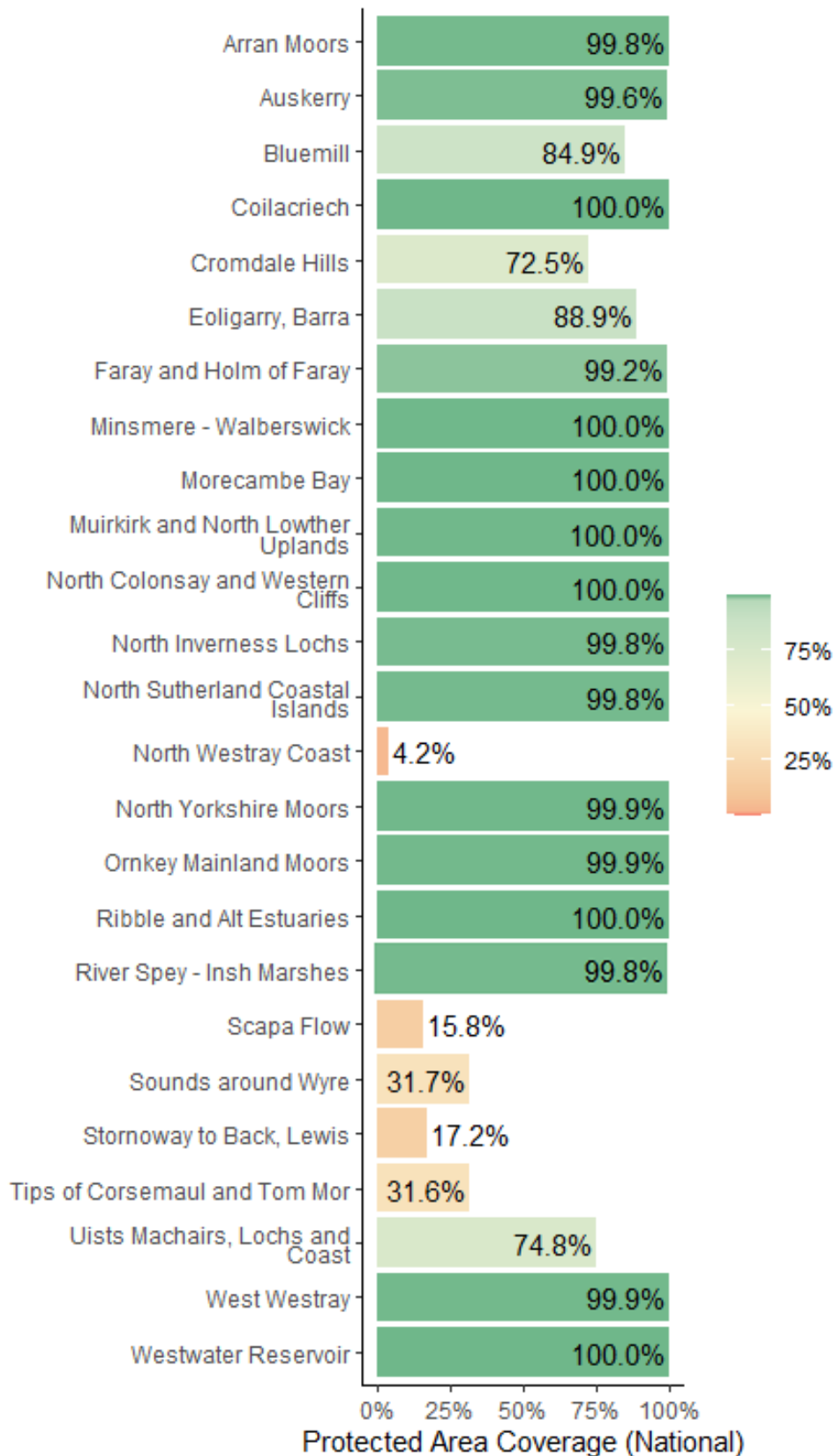
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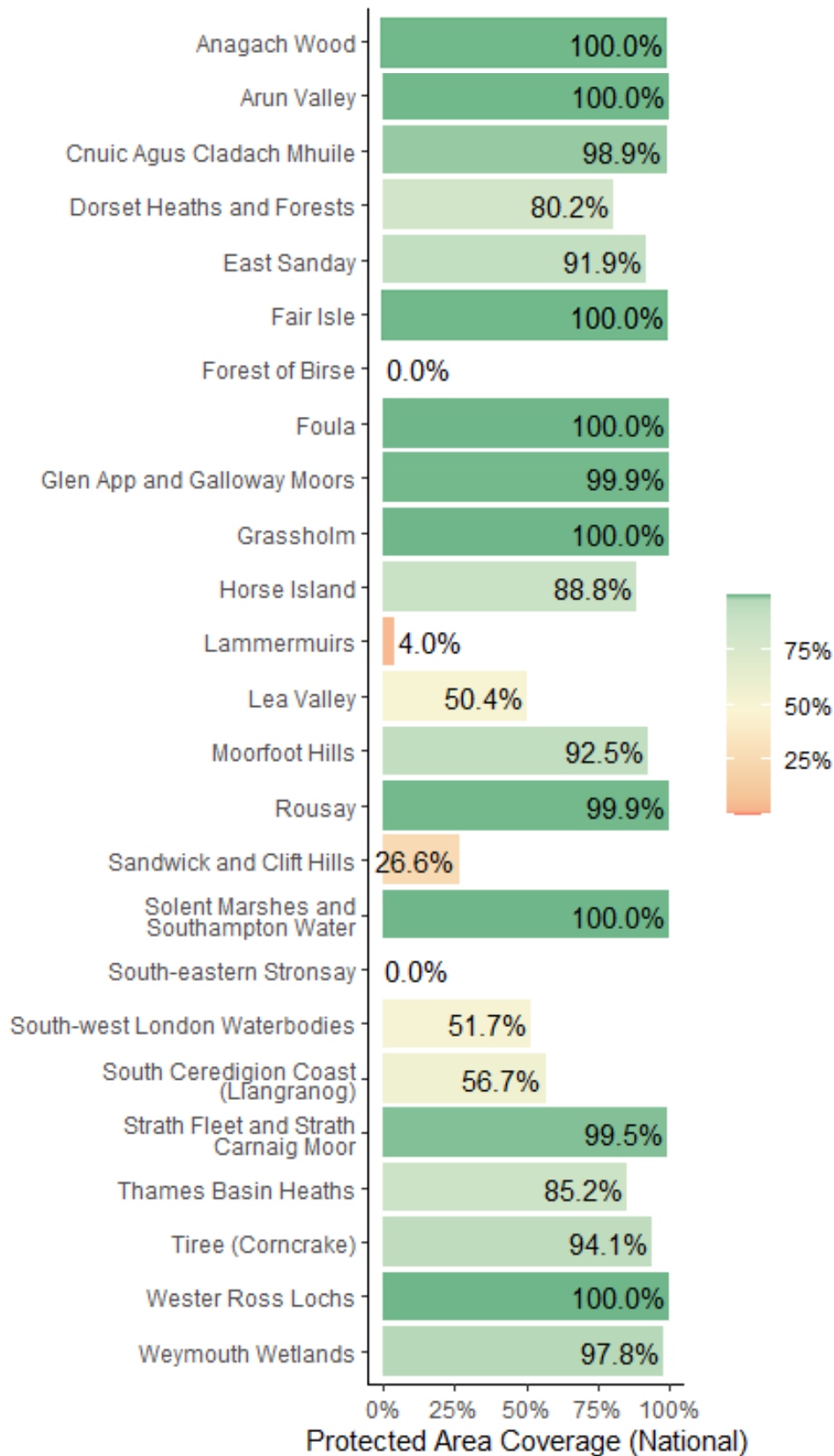
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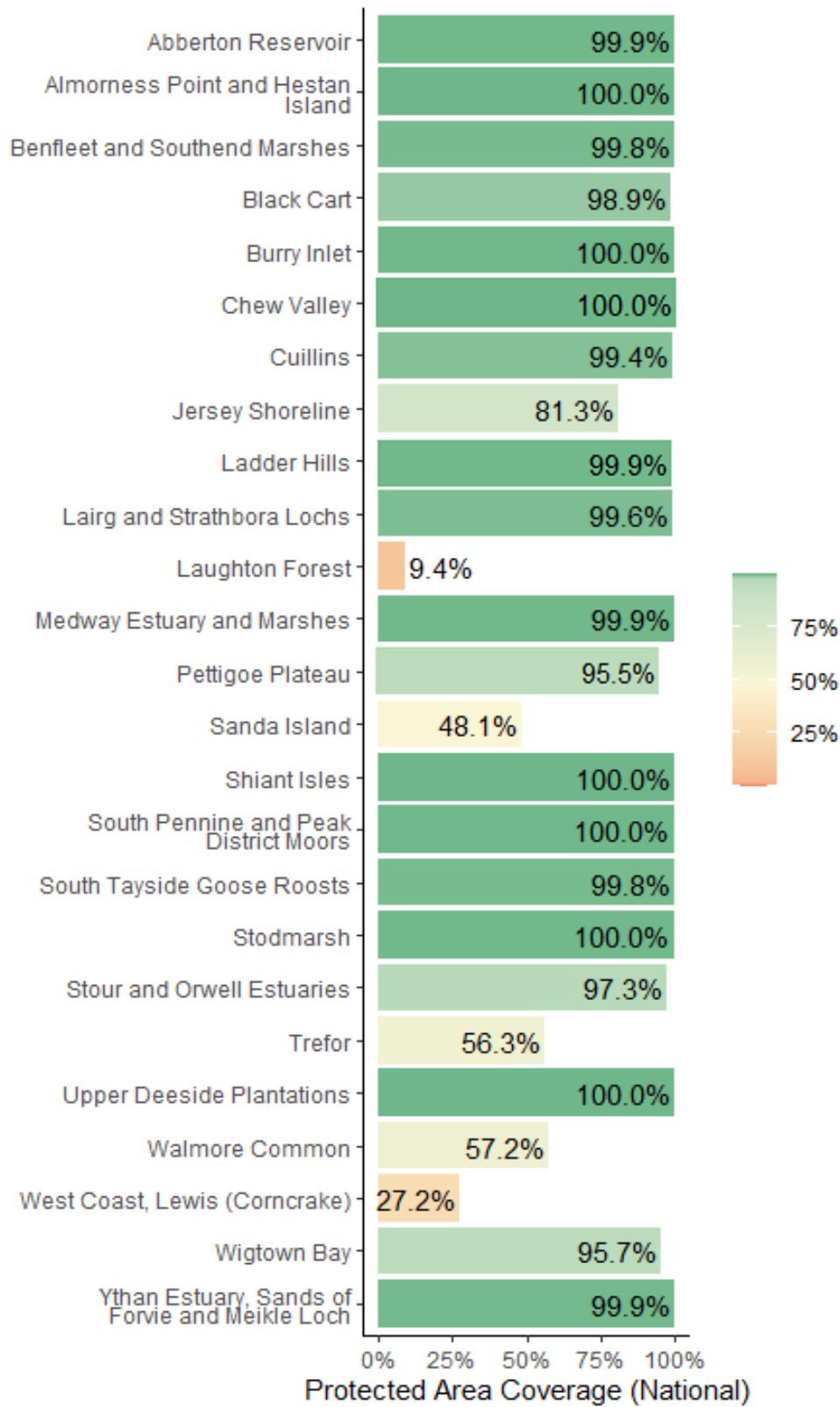
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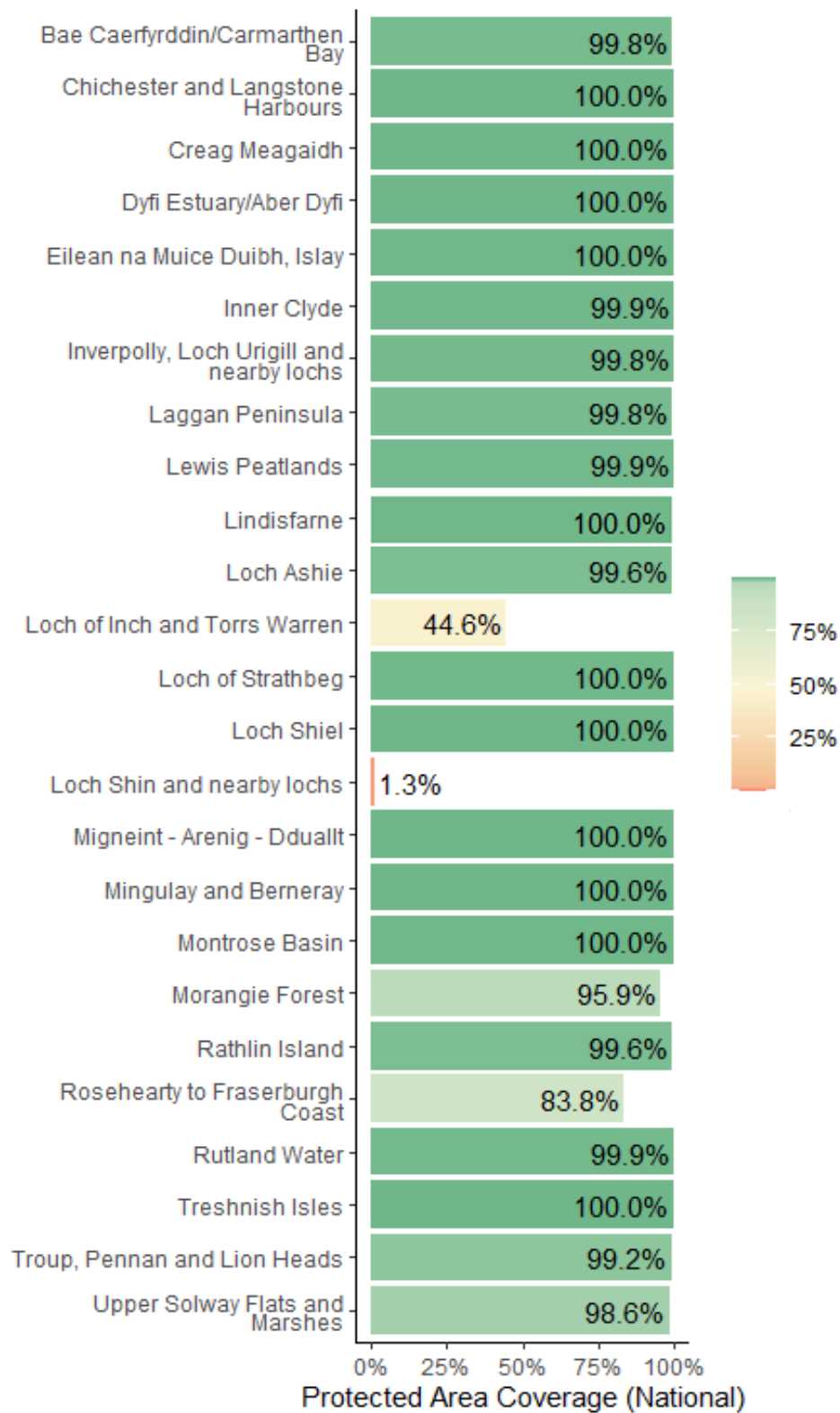
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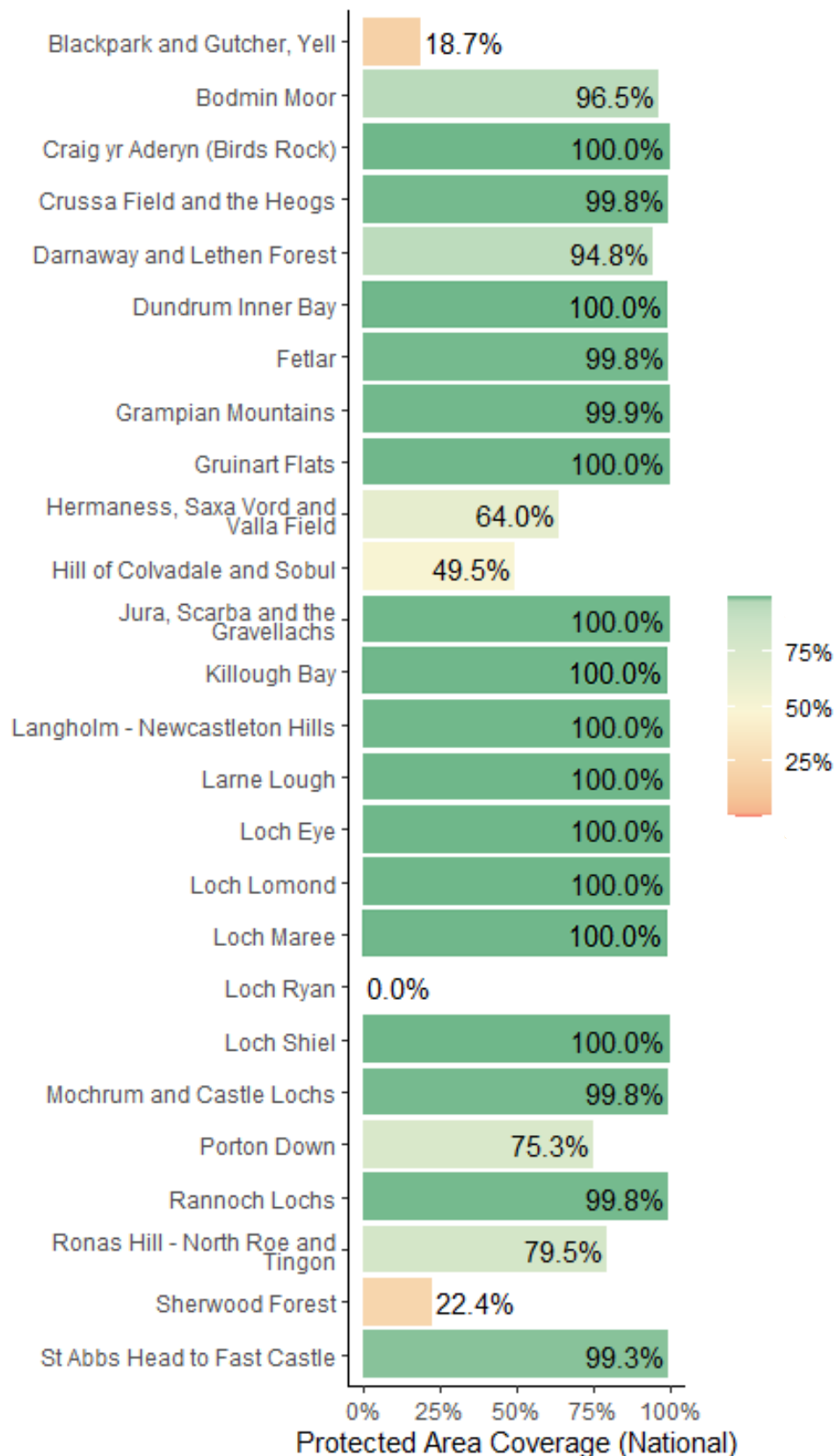
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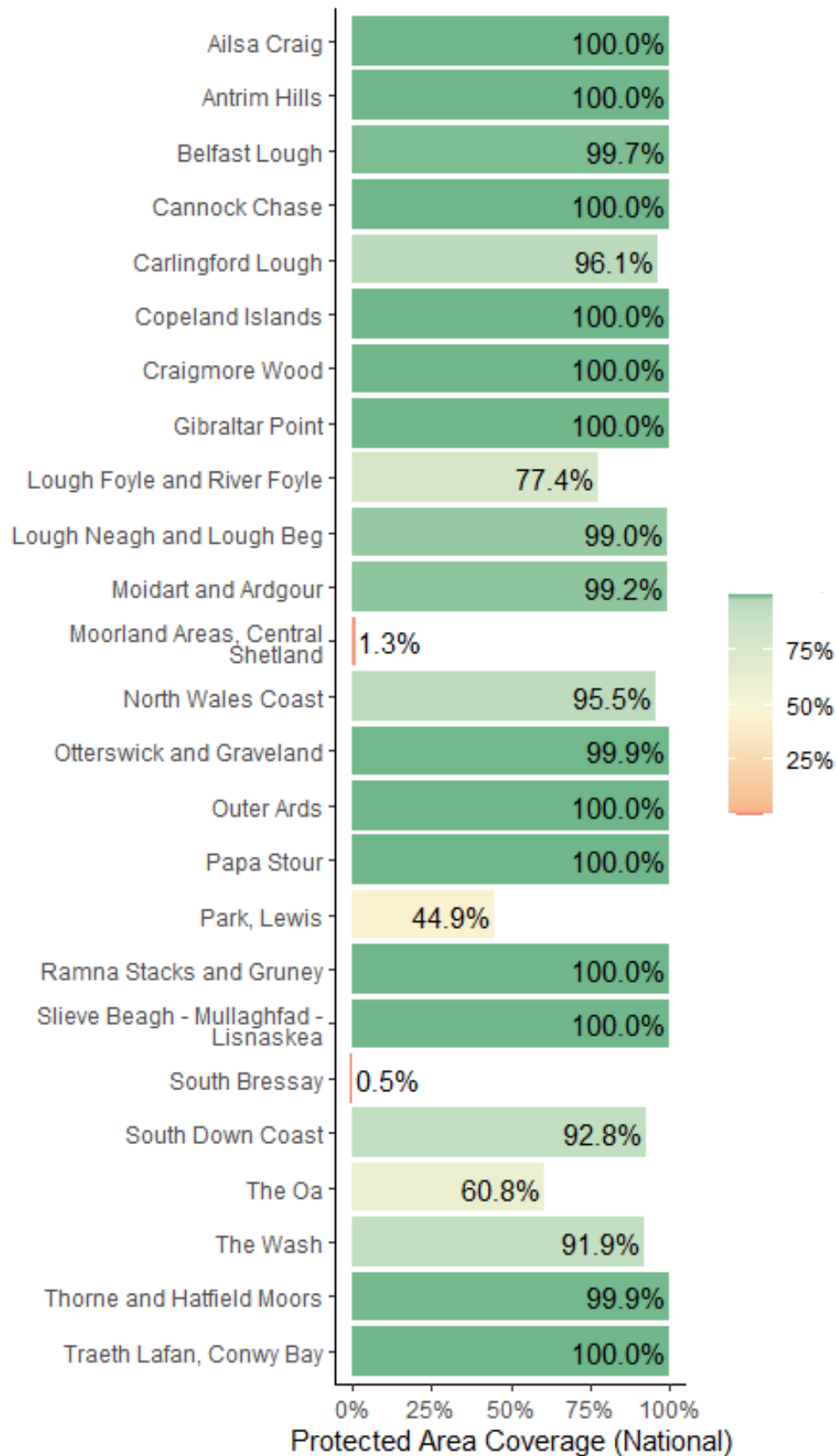
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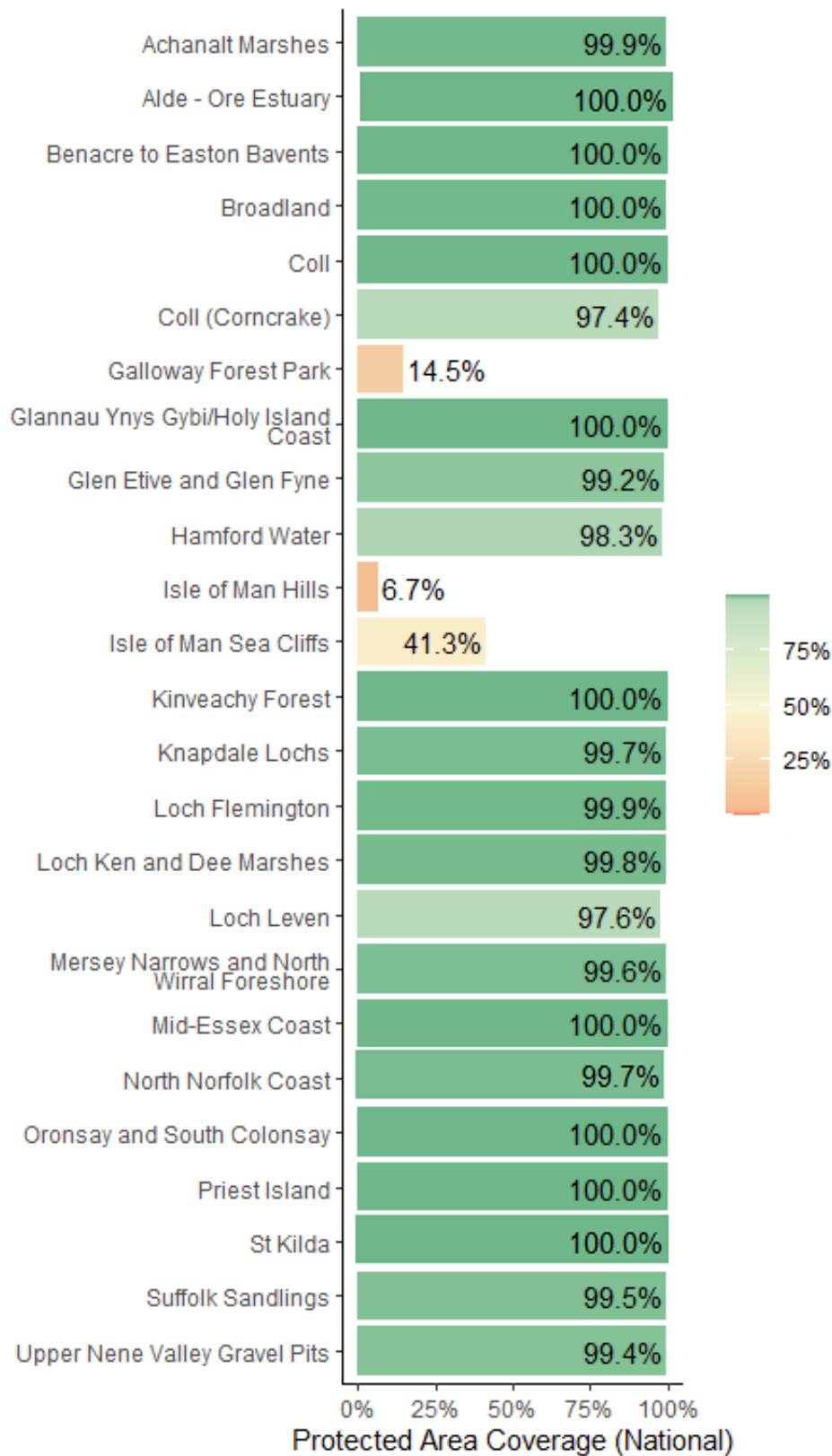
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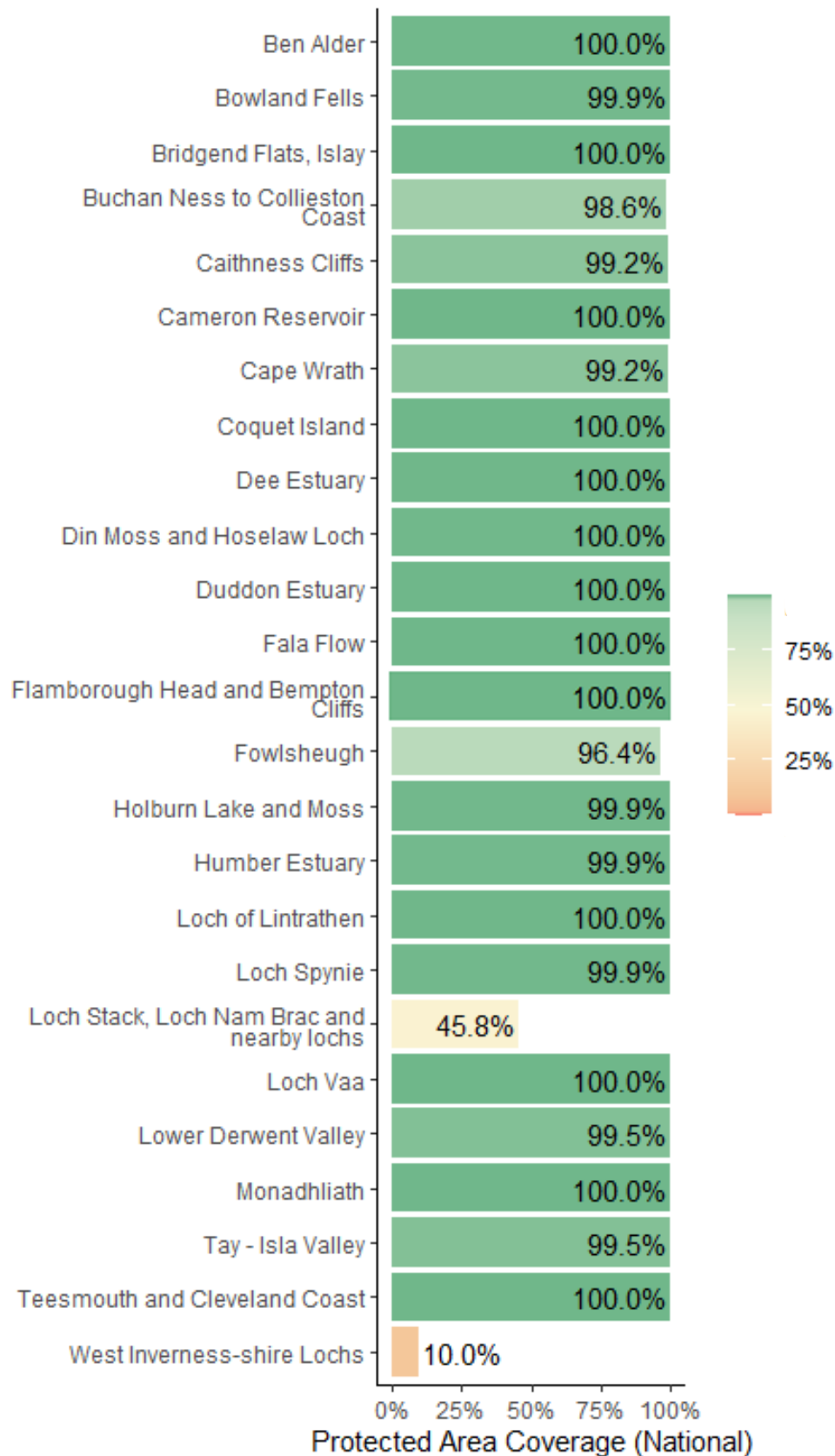
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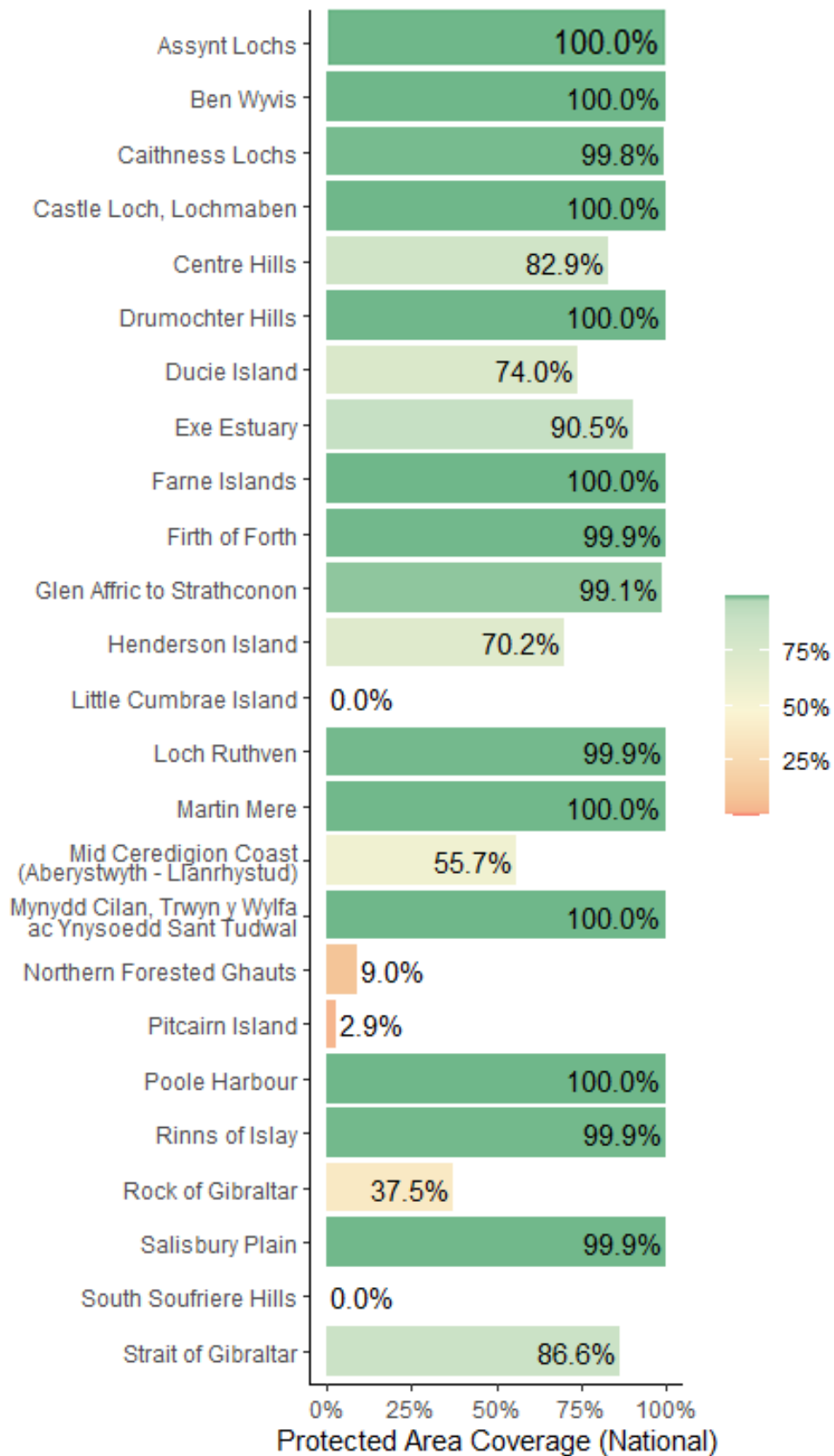
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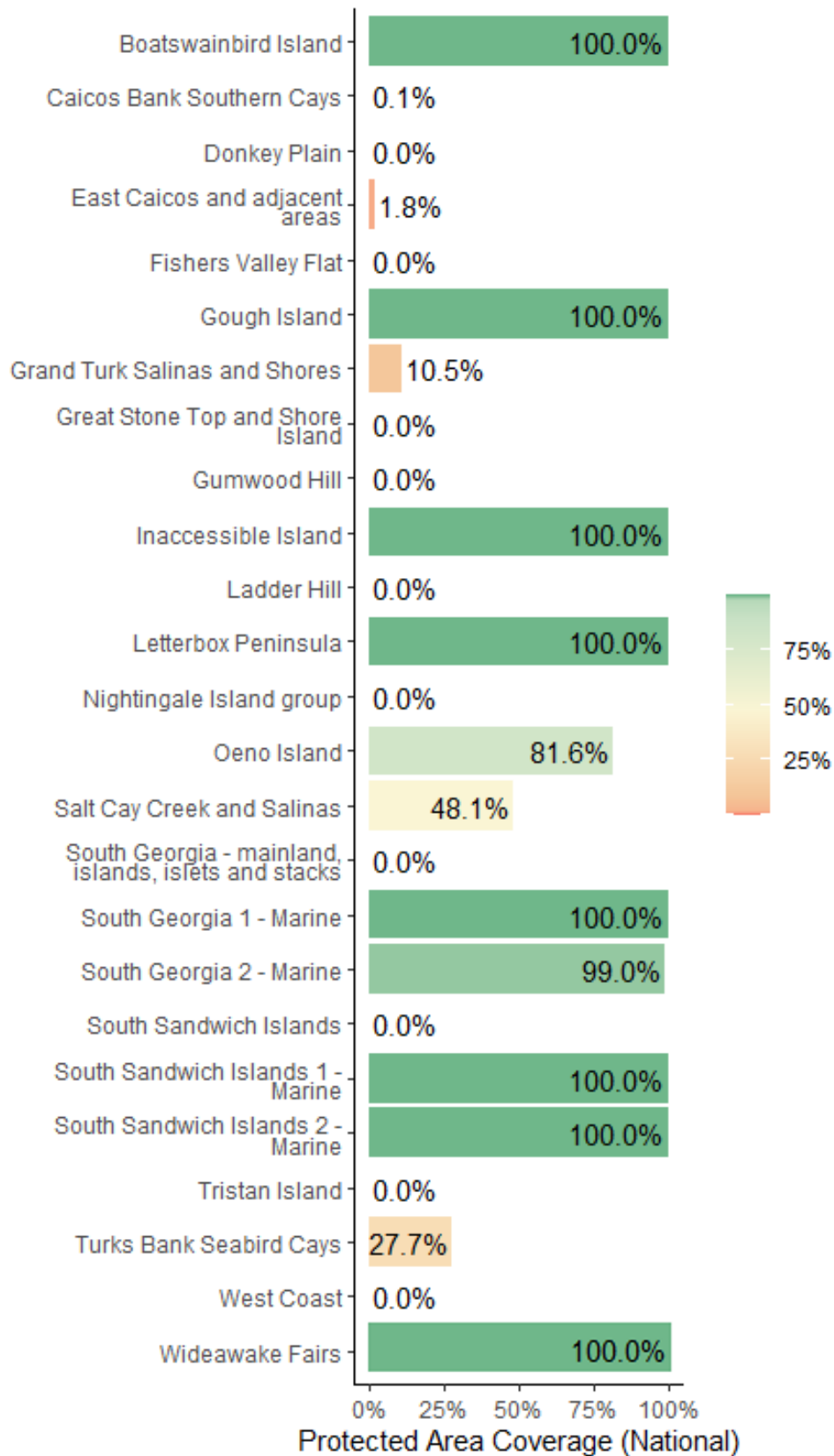
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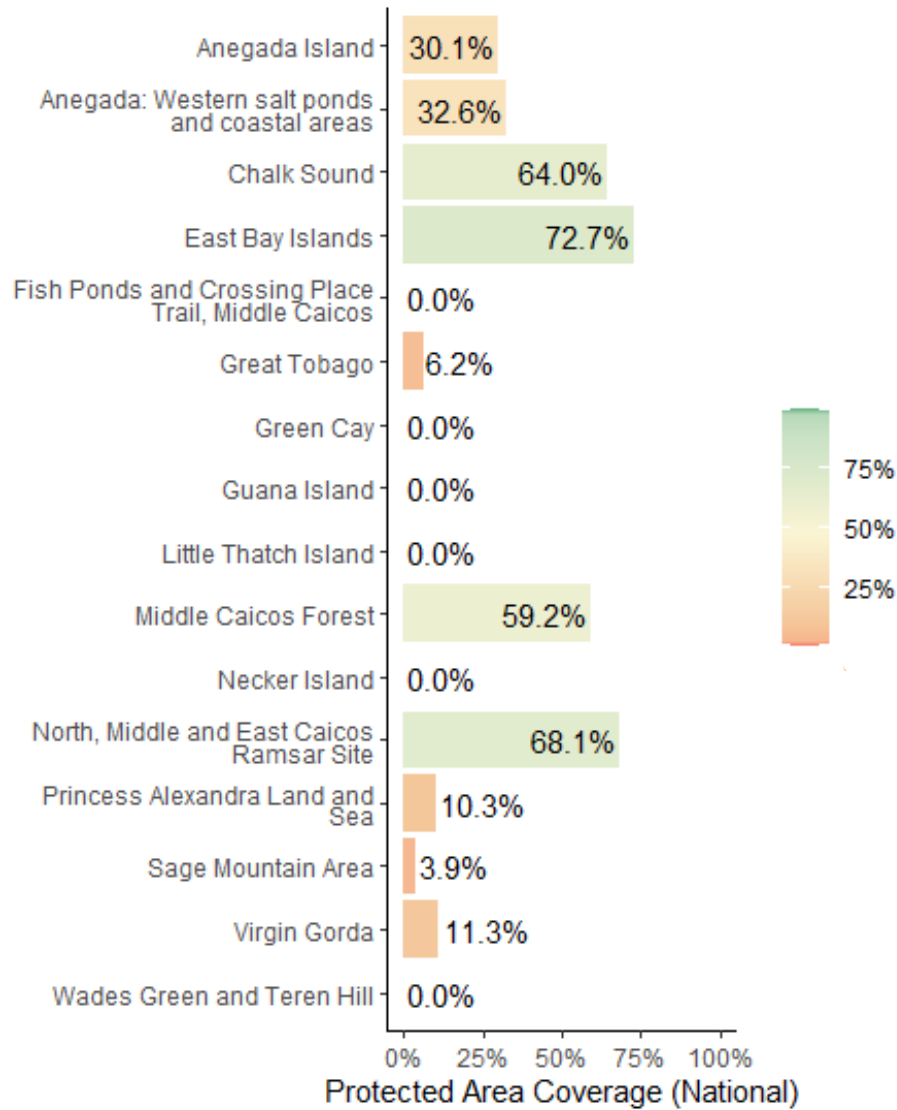
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