

**EXTENDED PHASE ONE HABITAT SURVEY OF LAND ASSOCIATED
WITH MAWGAN PORTH BEACH FRONT REGENERATION,
MAWGAN PORTH, NEWQUAY, CORNWALL.
16th February 2021**



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EXTENDED PHASE ONE HABITAT SURVEY OF LAND ASSOCIATED
WITH MAWGAN PORTH BEACH FRONT REGENERATION,
MAWGAN PORTH, NEWQUAY, CORNWALL.
16th February 2021

OS Grid Ref: SW 850 671

Survey date: 16th February 2021

Surveyor: Melissa Wynn BSc (Hons)

Time spent on site: 1 hour

Taxonomic groups: Extended Phase 1 Habitat survey

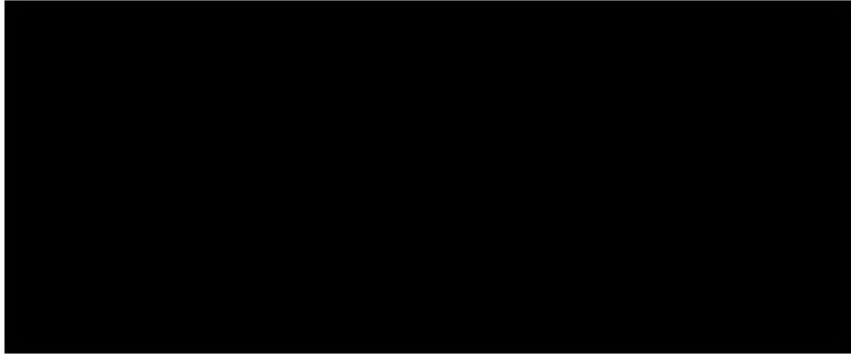
Report Author: Melissa Wynn BSc (Hons)

Filename & issue number: Ext Phase 1 Habitat Survey_Mawgan Porth
Beachside Regeneration_Final 1x

Report for: Mr. Charlie Jones (CJH Analytics)
C/o: Mr. Russell Dodge, (Business Location Services)

Report No: 20-40/CJ/Ext Ph1_Mawgan Porth Beachside
Regeneration

Document approved by: Adrian Spalding PhD Director

Signature: 

Date: 25th February 2021

1. SUMMARY

Spalding Associates (Environmental) Ltd was instructed to carry out an Extended Phase 1 Habitat survey of a portfolio of properties that forms part of the commercial beachfront in Mawgan Porth, Newquay, Cornwall. The reason for the survey is to inform the proposal to demolish the existing buildings and to redevelop the footprint of the site with a mix of commercial and residential uses. The site contains hardstanding and buildings with some amenity grassland, introduced shrub beds and some ephemeral growth with walls and fences as boundaries along the southern half of the site.

Site Designations – The site does not lie within a designated or non-designated conservation site. Within 1000 metres of the proposal site there are no statutory sites but there are 4 non-statutory sites including a County Wildlife Site directly across the road from the site, a National Trust Reserve and 2 Ancient Monuments.

Habitats – No Annex 1 Priority habitats as defined within the Conservation of Habitats and Species Regulations 2010 (as amended) are present within the boundary of the proposal site. No UK Biodiversity Action Plan Priority Habitats (UK BAP, 2007) or Local Biodiversity Action Plan (BAP) Priority Habitats (Cornwall Biodiversity Initiative, 2009) are present within this site.

Bats – The site does not contain any habitats with the potential to provide foraging or commuting habitat for bats. However, there are other, more suitable and higher quality connectivity pathways across the landscape nearby such as the River Menalhyl and woodland to the south-east of the site. This proposed development is likely to have negligible impact on foraging and commuting for bats, however, we recommend that external lighting at the property is kept to a minimum, particularly along the southern boundary near the river. Lighting should not be allowed to spill over any southern site boundaries into the river system beyond and all lighting within the site should ideally be down-facing and kept on short timers to minimise their impact. The buildings on site have some low potential to be used by roosting bats; these have been assessed in the Bat and Barn Owl report.

Further Survey work

No further survey work is required.

Maintaining and enhancing the biodiversity value of the site

The following measures would retain and enhance the biodiversity value of the site:

- increase wildlife connectivity and foraging opportunities in the site by replacing the southern site wall and fence boundaries with a native woody hedge species.
- create pollinator-friendly grassland beds along site boundaries in place of un-used hardstanding using native coastal dune grassland species.
- enhance existing / create new shrub beds and replace introduced species with native dune scrub or herbaceous species to enhance the site for pollinators and birds.

More recommendations will be provided in the Biodiversity Net Gain report.

2. INTRODUCTION

2.1. Background

Spalding Associates (Environmental) Ltd was instructed by Mr. Graham Jones to carry out an Extended Phase 1 Habitat survey of a portfolio of properties (including *Cornish Fresh*, *Art at the Beach*, *Married to the Sea* and *Disco Beads*) that forms part of the commercial beachfront at Mawgan Porth, Newquay, Cornwall. The reason for the survey is to inform the proposal to demolish the existing buildings and to redevelop the footprint of the site with a mix of commercial and residential uses.

The survey has focused on the area within the proposed development boundary.

2.2. Survey aims

The purpose of this report is to:

- describe the habitats of the site using standard habitat classification methods
- identify the nature conservation value of the habitats
- locate, or identify signs of, protected or priority species
- identify any issues that require further survey at suitable times of the year
- identify relevant nature conservation constraints
- make outline recommendations for biodiversity opportunities.

2.3. Methods

2.3.1. Field methods

A thorough walk-over survey was undertaken on 16th February 2021 in good weather conditions. The habitats were classified and mapped using the standard Phase 1 Habitat survey methodology (JNCC, 2003). The site was examined for species and habitats of nature conservation importance. A list of vascular plants found during the survey is included in Appendix 1. Vascular plant species were identified according to Stace, 1997.

2.3.2. Desktop methods

Biological records of statutory and non-statutory nature conservation sites and species of conservation concern were searched for in an area extending 1000 metres from the site by the Environmental Records Centre for Cornwall and the Isles of Scilly, including bats and Common Dormouse.

The area of search is shown in Appendix 3 with the terms of the desktop search. The results of the search have been assessed for their relevance to the nature conservation interest of the proposed development site and the key conclusions have been incorporated into this report.

2.4. Assessment

Habitats and species located during the field survey have been assessed for their nature conservation and biodiversity significance according to present standard criteria (listed in Appendix 2); the criteria consist of current international, national and local designations and include statutory legislation and non-statutory designations.

2.5. Limitations

At the time of the survey some species may not have been evident or identifiable and could have been overlooked.

2.6. The report and map

The results of the field survey are provided in this report. The survey area consists of the proposed development site (Map 1) and the areas of search undertaken for the desk study, according to the likely zone of influence for each receptor. Reference is also made to the landscape immediately surrounding the development site where issues of nature conservation importance are deemed relevant and to the likely 'darkscape' at the site.

The habitats of the study area are described in detail and a map (Map 1) is provided showing the location of the habitats and key site features. The biodiversity of the site and the features of nature conservation importance are then assessed against standard criteria, the potential for impacts from the proposed plans (as provided) are identified and outline recommendations for mitigation and enhancement are included.

Title: Map 1. Extended Phase 1 Habitat Survey, 16th February 2021
 Project: Mawgan Porth Beachfront Regeneration, Newquay, Cornwall



Drawn by:
MW

Date:
17/02/2021

Drawing no:
A/MPBR/CJH/01

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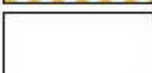


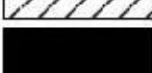




IS1

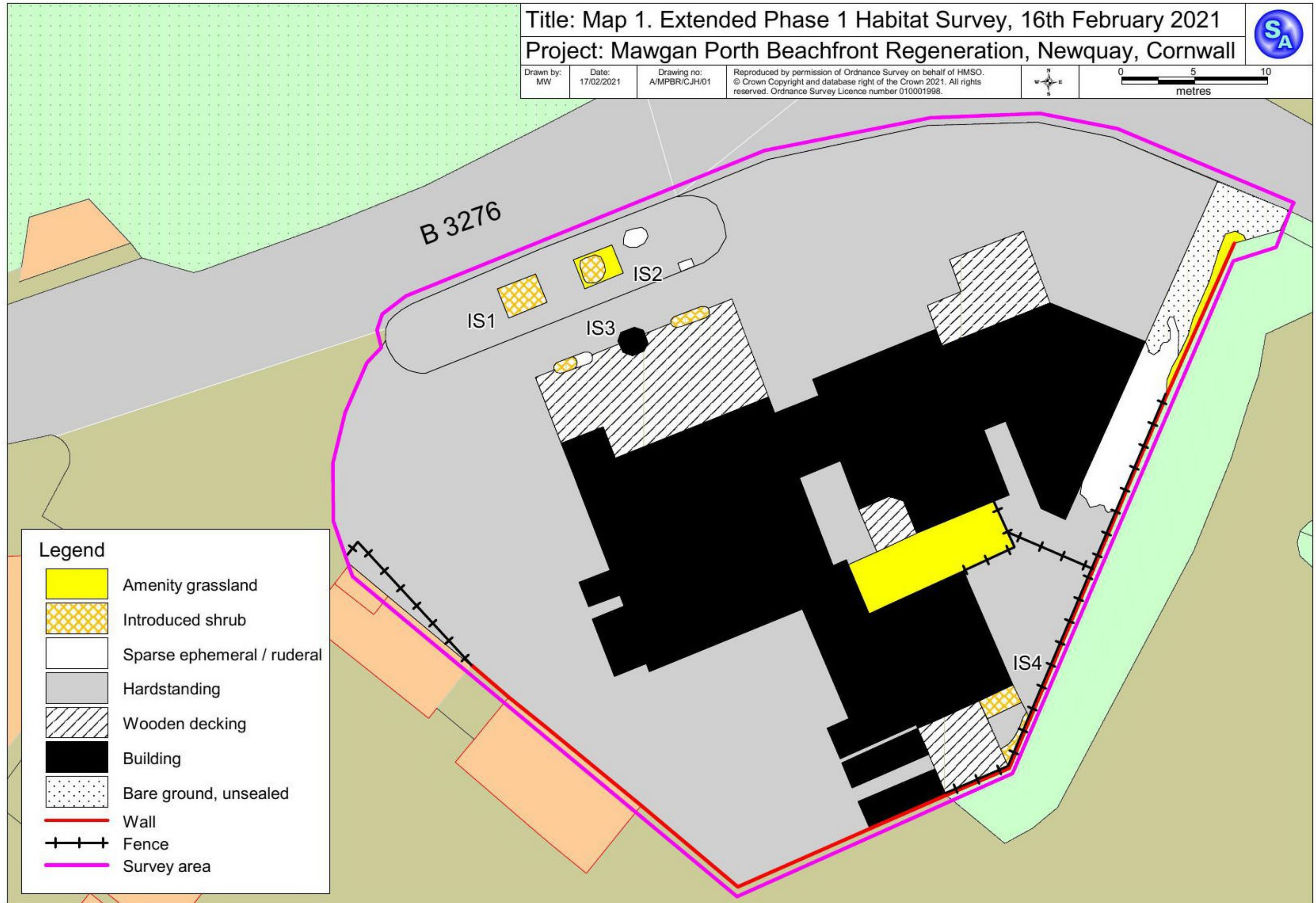
IS3

IS2

IS4

Legend

-  Amenity grassland
-  Introduced shrub
-  Sparse ephemeral / ruderal
-  Hardstanding
-  Wooden decking
-  Building
-  Bare ground, unsealed
-  Wall
-  Fence
-  Survey area



3. SURVEY RESULTS

3.1. Description of habitats

3.1.1. Overview

The proposed development site is located on the B3276 road in the centre of Mawgan Porth, a small village approximately 4.5 miles north-east of Newquay on the North Cornwall coast. The proposal site consists of a portfolio of properties (including *Cornish Fresh*, *Art at the Beach*, *Married to the Sea* and *Disco Beads*) which forms part of the commercial beachfront at Mawgan Porth. The site consists of mostly hardstanding and buildings with some small areas of amenity grassland, a handful of small, introduced shrub beds and some ephemeral growth. Wall and fence boundaries occur long the southern half of the site, but there is no northern boundary where the site meets the main road, with dune vegetation and beach beyond and a mini golf course and field across the road to the north-east. Directly to the east and south lie car parks, with the River Menalhyl just beyond this to the south. To the west lies further hardstanding with beachfront shops and restaurants.

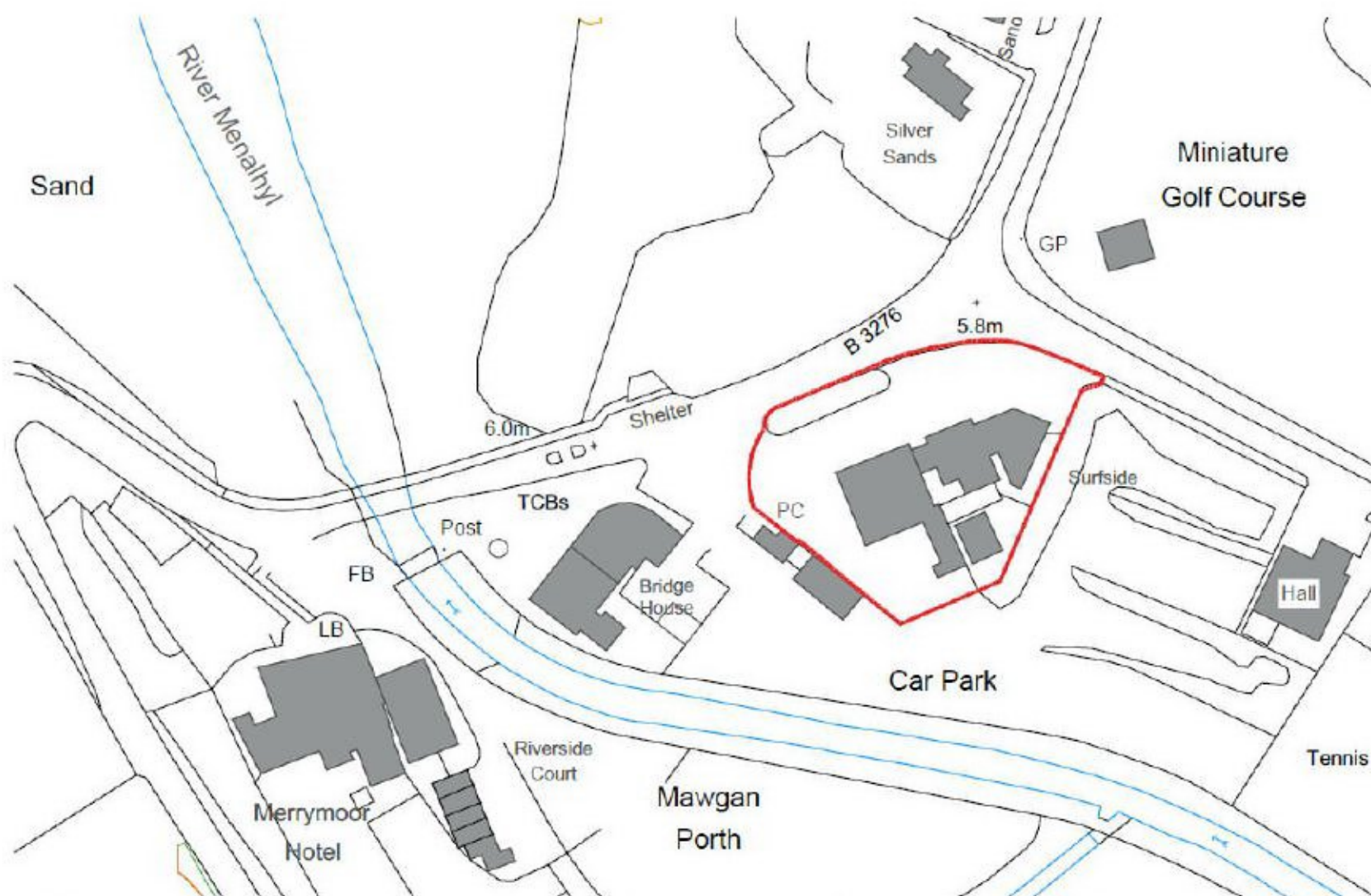


Figure 1: The proposed development site location plan. Extracted from Existing Site Plan by SUPERSTRUKT, Job no: MP-PL-2020, Drawing no: PL-01, Rev: REV, 17th May 2020

The habitats are described below. A full list of the plant species recorded in the main habitats on site can be found in Appendix 1.

3.1.2. Amenity grassland / grassy verge

A small section of the site consists of an amenity garden laid to lawn in the middle of the buildings, which is regularly mown but consists of species dominated by frequent Common Bent *Agrostis capillaris* with occasional Yorkshire Fog *Holcus lanatus*, Daisy, White Clover *Trifolium repens* and a selection of rarer forbs including Creeping Buttercup *Ranunculus repens*, Broad-leaved Dock *Rumex obtusifolius*, Common Groundsel *Senecio vulgaris*, Common Sow-thistle *Rumex acetosa* and Common Chickweed *Stellaria media*.

A small section of grassy verge lies within an unsealed area along the north-eastern boundary against the wall and consists of frequent Perennial Rye-grass *Lolium perenne* with occasional Common Bent *Agrostis capillaris*, Red Fescue *Festuca rubra* with rarer forbs including Sea Beet *Beta vulgaris ssp. maritima*, Alexanders *Smyrniololus atratum*, Creeping Buttercup, Ribwort Plantain *Plantago lanceolata*, Spear Thistle *Cirsium vulgare*, Dandelion *Taraxacum officinale agg.*, and Common Mouse-ear *Cerastium fontanum*.

Some native grassland species are also found within two of the introduced shrub beds (see below).



3.1.3. Introduced shrub

There are multiple patches of introduced shrub within the site.

There are two square ground-level garden beds (IS1 and IS2) at the north frontage of the site, adjacent to the B3276 road, which contain a combination of introduced shrub and native grassland species. IS1 is dominated by introduced shrub but also contains some occasional Cock's-foot *Dactylis glomerata* and Marram *Ammophila arenaria* grass and forbs including Ribwort Plantain, Dandelion, a Rose *Rosa sp.*, Common Field Speedwell *Veronica persica* and Common Groundsel *Senecio vulgaris*. IS2 is less densely occupied by introduced shrub and contains a grassy section of locally abundant Yorkshire Fog, occasional Cock's-foot and Marram with rarer forbs such as a Rose, Dandelion, Bramble *Rubus fruticosus agg.*, Ribwort Plantain and Alexanders.

Two additional oval-shaped introduced shrub beds (IS3) lie at the edge of the decking of the main building, raised above the ground and containing mostly introduced shrub with bare ground and some sparse, native ephemeral growth including Perennial Rye-grass, Dandelion and Ivy *Hedera helix*. A herbaceous and succulent shrub bed (IS4) lies at the south-eastern corner of the site planted within gravel hardstanding and includes only non-native introduced species at ground level and on a trellis against the wall. Various small plant pots are scattered across the site with additional non-native introduced shrubs and kitchen herbs planted within them.



Introduced shrub beds within the site: IS1 and IS2 (top left) with some native grassland species, IS3 (top right), IS4 (bottom left) and plant pots (bottom right).

3.1.4. Bare ground with sparse ephemeral / ruderal

Some small patches of bare ground with sparse ephemeral and ruderal growth occur across the site such as within the hardstanding in the north of the site, within bare sections of shrub beds and within the gravel driveway access area along the eastern boundary. Species include occasional Perennial Rye-grass, Yorkshire Fog, Dandelion and Ivy.

3.1.5. Hardstanding

The majority of the site consists of tarmac hardstanding surrounding the buildings, with no vegetative growth apart from very rare patches of ephemeral growth in areas where bare ground occurs.

3.1.6. Bare ground, unsealed

An area of bare, unsealed ground containing mostly mud with no vegetation growth occurs at the site entrance along the eastern boundary, adjoining the patch of gravel driveway which contains ephemeral growth.

3.1.7. Buildings / wooden decking

A large part of the site consists of permanent and temporary buildings (shipping containers) which make up the shop and residence complex of the Mawgan Porth portfolio. Four separate areas of wooden decking extend out from the front of shops and building entrances.

3.1.8. Walls

Two types of walls surround the southern half of the site including a large concrete block wall approximately 2.5 metres high along the south-western site boundary adjacent to the neighbouring *Beach Box* restaurant and a low stone wall approximately 0.7 metres high along the south-eastern site boundary with an attached fence to raise it in some sections. The northern boundary of the site adjacent to the B3276 road contains no boundary except for a hardstanding kerb.

3.1.9. Fences

A wooden slatted fence runs on top of part of the wall of the south-eastern boundary. A dividing fence with gates joins this and borders a corner of the lawn grassland in front of the residential flat. A section of Heras fencing lies along the western boundary against the neighbouring *Beach Box* restaurant and hardstanding kerb.

3.2. Protected, rare, scarce and other notable species of plant and animal at the site

3.2.1. Plants

No protected plant species were recorded during the survey and it is unlikely that any would occur on the proposal site.

3.2.2. Fauna

Bats

The site does not contain any habitats with the potential to provide foraging or commuting habitat for bats and there are areas of more suitable higher quality habitat present in the wider landscape nearby.

The buildings on site have some low potential to be used by roosting bats; these have been assessed in the Bat and Barn Owl report.

Common Dormouse

Habitats on site are not suitable to be used by Common Dormouse *Muscardinus avellanarius*. Common Dormouse does not need to be considered further.

Badger

This site has no foraging value to Badger *Meles meles* and no Badger pathways or setts were recorded at this site. Badgers do not need to be considered further.

Otter

This site contains no water bodies and therefore habitats on site are not suitable to be used by Otter *Lutra lutra*. Otters do not need to be considered further.

Nesting birds

The site provides no potential habitat for nesting birds due to the poor quality of introduced shrub patches with either sparse bare ground or grass beneath. Nesting birds do not need to be considered further.

Reptiles

Although there is dune vegetation across the B3276 road from the site which would have the potential to contain reptile species, there is no potential for reptiles to be present on this site due to the isolation, small size and raised position of the introduced shrub patches within hardstanding. Reptiles do not need to be considered further.

3.3. Invasive Non-native species

There are no invasive non-native species within the site which are regulated by their inclusion in Schedule 9 of the Wildlife and Countryside Act 1981 (as amended).

3.4. Results of desktop survey

Bats

Within 1000 metres of the site there are 5 records for 5 species of bat between 2013 and 2014. A single record each for Lesser Horseshoe *Rhinolophus hipposideros*, Common Pipistrelle *Pipistrellus pipistrellus*, Nathusius's Pipistrelle *Pipistrellus nathusii* and a species of Barbastelle bat *Barbastella sp* were all recorded in 2013, (however the precision of these records are low), and a record for Soprano Pipistrelle *Pipistrellus pygmaeus* was recorded in 2014.

Within 1000 metres of the site, there are no recorded bat roosts and the records do not seem to indicate any roosts nearby.

Common Dormice

There are no records of Common Dormouse within 1000 metres of the proposed site.

Badger

There are two records of Badger within 1000 metres of the proposed site, the most recent of which was approximately 950 metres east of the proposed site, near Sun Haven Holiday Park. No Badger setts have been recorded in the area.

Otter

There are no records of Otter within 1000 metres of the proposed site.

Reptiles

There are two records of Slow Worm *Anguis fragilis* and a single accurate record of Common Lizard *Zootoca vivipara* within 1000 metres of the proposed site, all recorded within a residential area of Mawgan Porth approximately 350 metres north-east of the proposed site.

3.5. Designated sites

The site does not lie within a designated or non-designated conservation site. Within 1000 metres of the proposal site there are no statutory sites but there are 4 non-statutory sites including a County Wildlife Site directly across the road from the site, a National Trust Reserve and 2 Ancient Monuments.

4. ASSESSMENT OF THE NATURE CONSERVATION VALUE OF THE SITE

4.1. Rationale

This section assesses the value of the site based on the information obtained during the field survey. The assessment is in terms of presence of, or potential to support, protected, rare or scarce habitats and species, general biodiversity value and ecological function in the wider landscape.

The criteria that are used in assessing species and habitat importance consist of international, national and local designations; they include statutory legislation and non-statutory designations (as listed in Appendix 2).

4.2. Site designations

The site does not lie within a designated or non-designated conservation site.

Within 1000 metres of the proposal site there are no statutory sites but there are 4 non-statutory sites:

4.2.1. Mawgan Porth to Newquay County Wildlife Site (Ref: R2.3)

The Mawgan Porth to Newquay County Wildlife Site lies approximately 8 metres to the north and north-east of the site across the adjacent roads. This CWS stretches along the north coast between Porth Beach and Carnewas Point and also extends inland to Menalhyl Marsh at Mawgan Porth. This long and narrow coastal site comprises exposed cliff tops mainly dominated by maritime grassland, with some heath on the slopes. Wider, less wind-clipped sections of the site are covered with dense Gorse-dominated scrub. At the rear of Mawgan Porth there is a small area of unstable Marram dunes. Extensive intertidal areas of rocks and sand along the coast are also included within the site. Menalhyl Marsh is situated in a valley; it was originally a more extensive area of reed-dominated marsh but reclamation has reduced this to a narrow strip along the stream which is being invaded by Willow. There is also an adjacent herb-rich wet meadow, and the valley sides to the north support a large area of mixed scrub and grassland mosaic, including some herb-rich maritime grassland and Marram on stable dunes. BAP Priority Habitats found here include: Maritime Cliff and Slopes and Coastal Sand Dunes. BAP Priority Species found here include: Black Oil Beetle *Meloe proscarabaeus*; Small Heath *Coenonympha pamphilus* and Wall *Lasiommata megera* butterflies; Adder *Vipera berus*, Common Lizard *Zootoca vivipara*, Skylark *Alauda arvensis* and Linnet *Carduelis cannabina*. Other notable species recorded here include: Common Spotted Orchid *Dactylorhiza fuschii*, Corn Spurrey *Spergula arvensis*, Corn Marigold *Chrysanthemum segetum* and Balm-leaved Figwort *Scrophularia scorodonia*, Autumn Squill *Scilla autumnalis* and Golden-samphire *Inula crithmoides*. Birds seen here include Oystercatcher *Haematopus ostralegus*, Kestrel *Falco tinnunculus*, Meadow Pipit *Anthus pratensis* and the cliffs support nesting Fulmar *Fulmarus glacialis*.

4.2.2. Newquay to Treose National Trust Reserve (Ref: NT11251)

The northern section of the Newquay to Treose National Trust Reserve lies approximately 120 metres south-west of the site.

4.2.3. Ancient Monument (Ref: 32974)

Approximately 950 metres south-west of the site on the coastal cliff of Griffin's Point lies part of Liveloe, a prehistoric cliff castle which contains hut circles, and a prehistoric round barrow.

4.2.4. Ancient Monument (Ref: CO530)

Approximately 45 metres north-east of the site lies the Mawgan Porth Dark Age settlement - an early medieval settlement and associated burial ground listed as a historical monument.

4.3. Important habitat features of the study area

No Annex 1 Priority habitats as defined within the Conservation of Habitats and Species Regulations 2010 (as amended) are present within the boundary of the proposal site. No UK Biodiversity Action Plan Priority Habitats (UK BAP, 2007) or Local Biodiversity Action Plan (BAP) Priority Habitats (Cornwall Biodiversity Initiative, 2009) are present within this site.

4.4. The presence of protected and priority species

4.4.1. Bats

The Wildlife and Countryside Act 1981 protects bats and their roosts in England, Scotland and Wales. Some parts have been amended by the Countryside and Rights of Way Act 2000 (CROW) which applies only in England and Wales. The Conservation of Habitats and Species Regulations 2010 implements the Council Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora. All bats are listed as legally protected species of animal; it is illegal to intentionally kill, injure or capture bats or to deliberately disturb them. It is also illegal to damage, destroy, or obstruct access to bat roosts.

The site does not contain any habitats with the potential to provide foraging or commuting habitat for bats. The buildings on site have some low potential to be used by roosting bats, these have been assessed in the Bat and Barn Owl report.

4.5. Landscape context

The proposed development site is located on the B3276 road in the centre of coastal village of Mawgan Porth, on the north Cornwall coast. To the north of the site, beyond the main road, lies dune vegetation fringing Mawgan Porth Beach with the rest of the

village beyond. To the north-east, across the road lies a mini-golf course with an open field containing the historic settlement beyond and an area of coastal grassland running along the southern edge of the village. Further north-east lies arable pasture fields and a golf course. Beyond the village hall and carpark to the east lies an area of holiday cottages followed by a patch of woodland and stream approximately 750 metres to the east which is connected to a larger woodland corridor and stream running east. To the south, the River Menalhyl lies just beyond the carpark and runs through a wooded valley south-east through arable / pasture field landscape, through the village of St. Mawgan and passes through St Columb Major approximately 7 kilometres away. This river provides an essential wildlife corridor through the wider landscape. Newquay Airport lies approximately 1.8 kilometres to the south-east and to the south, the B3276 road continues through farmland and coastal towns. The River Menalhyl enters the sea approximately 60 metres to the west of the proposed site and coastal cliffs fringe arable/ pasture fields lie beyond to the west and south-west.

4.6. Darkscape

The directly adjacent B3276 road to the north of the proposed site and the smaller road along the north-east boundary are both lit by streetlights at night. This and the surrounding shops, restaurants and houses in the immediate area will produce some light spill onto the northern part of the site, in addition to the general medium-low light spill emissions from the coastal town of Mawgan Porth (Figure 2). However, the unlit carpark and river to the south will provide the site with valuable dark-space and safe commuting corridor for species moving across the landscape.



Figure 2: Low-medium light emissions surrounding Mawgan Porth Beachside Regeneration.
Credit: Lagas Light Maps, 2021 <https://lagas.co.uk/app/product/light-maps>

5. RECOMMENDATIONS

5.1. Compliance with legislation

5.1.1. Bats

The site does not contain any habitats with the potential to provide foraging or commuting habitat for bats. However, there are other, more suitable and higher quality connectivity pathways across the landscape nearby such as the River Menalhyl and woodland to the south-east of the site. This proposed development is likely to have negligible impact on foraging and commuting for bats, however, we recommend that external lighting at the property is kept to a minimum, particularly along the southern boundary near the river. Lighting should not be allowed to spill over any southern site boundaries into the river system beyond and all lighting within the site should ideally be down-facing and kept on short timers to minimise their impact.

The buildings on site have some low potential to be used by roosting bats, these have been assessed in the Bat and Barn Owl report.

5.2. Further survey work

No further survey work is required at this time.

5.3. Maintaining and enhancing the biodiversity value of the site

The following measures would retain and enhance the biodiversity value of the site:

- increase wildlife connectivity and foraging opportunities in the site by replacing the southern site wall and fence boundaries with a native woody hedge using species such as Hawthorn, Blackthorn, Holly and Dog Rose.
- create pollinator-friendly grassland beds along site boundaries in place of unused hardstanding using native coastal dune grassland species.
- enhance existing / create new shrub beds and replace introduced species with either native dune scrub species such as Hawthorn, Dog Rose, Honeysuckle or native herbaceous flowering plants to enhance the site for pollinators and birds.
- to maintain a natural 'dark corridor' for potential foraging bats and other wildlife, avoid external lighting that results in light spill onto the southern boundary and only use outdoor lights that are down-facing and kept on short timers to minimise their impact.

More recommendations will be provided in the Biodiversity Net Gain report.

References

- Bat Conservation Trust, 2016. *Bat Survey Good Practice Guidelines, Third Edition*.
- Cornwall Biodiversity Initiative, 2004. *Cornwall's Biodiversity Volume 3: Action plans 2004*. Cornwall Biodiversity Initiative, Cornwall Wildlife Trust, Truro.
- Cornwall Biodiversity Initiative. 2011. Cornwall's Biodiversity Action Plan. Volume 4: Priority Projects. Cornwall Wildlife Trust. Truro.
- Edgar, P., Foster, J. and Baker, J. 2010. Reptile Habitat Management Handbook. Amphibian and Reptile Conservation, Bournemouth.
- JNCC, 2003. *Handbook for Phase 1 habitat survey – a technique for environmental audit*. Revised reprint 2003. Nature Conservancy Council, Peterborough.
- Stace, C., 1997. *New Flora of the British Isles*. 2nd edition. Cambridge University Press, Cambridge.
- UK BAP, 2007. UK Biodiversity Action Plan: Species and Habitat Review, 2007 List of Priority Species and Habitats www.ukbap.org.uk

Appendix 1
 Vascular plants recorded at Mawgan Porth Beachside Regeneration, Cornwall.
 16th February 2021

A = Abundant C = Common F = Frequent O = Occasional R = Rare
 (L*) = Indicates Local Abundance

Amenity grassland / verge

	Scientific name	English Name	Relative Abundance
1	<i>Agrostis capillaris</i>	Common Bent	F
2	<i>Bellis perennis</i>	Daisy	O
3	<i>Beta vulgaris ssp. maritima</i>	Sea Beet	R
4	<i>Cerastium fontanum</i>	Common Mouse-ear	R
5	<i>Cirsium vulgare</i>	Spear Thistle	R
6	<i>Daucus carota agg.</i>	White Clover	O
7	<i>Festuca rubra</i>	Red Fescue	R(LO)
8	<i>Holcus lanatus</i>	Yorkshire Fog	F
9	<i>Lolium perenne</i>	Perennial Rye-grass	LF
10	<i>Plantago lanceolata</i>	Ribwort Plantain	R
11	<i>Ranunculus repens</i>	Creeping Buttercup	R
12	<i>Rumex acetosa</i>	Common Sow-thistle	R
13	<i>Rumex obtusifolius</i>	Broad-leaved Dock	R
14	<i>Senecio vulgaris</i>	Common Groundsel	R
15	<i>Smyrnium olusatrum</i>	Alexanders	R
16	<i>Stellaria media</i>	Common Chickweed	R
17	<i>Taraxacum officinale agg.</i>	Dandelion	R

Introduced Shrub

	Scientific name	English Name	Relative Abundance
1	<i>Agrimonia eupatoria</i>	Alexanders	R
2	<i>Ammophila arenaria</i>	Marram	O
3	<i>Dactylis glomerata</i>	Cock's-foot	O
4	<i>Dracaena sp.</i>	a Dracaena Palm	LR
5	<i>Fargesia sp.</i>	Bamboo	LR
6	<i>Hedera helix</i>	Ivy	LR
7	<i>Holcus lanatus</i>	Yorkshire Fog	O(LA)
8	<i>Lolium perenne</i>	Perennial Rye-grass	LR
9	<i>Plantago lanceolata</i>	Ribwort Plantain	O
10	<i>Rosa sp.</i>	a Rose	O
11	<i>Rubus fruticosus agg.</i>	Bramble	R
12	<i>Senecio vulgaris</i>	Common Groundsel	R
13	<i>Taraxacum officinale agg.</i>	Dandelion	O
14	<i>Veronica persica</i>	Common Field Speedwell	R

Bare ground with sparse ephemeral / ruderal

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	Scientific name	English Name	Relative Abundance
1	<i>Hedera helix</i>	Ivy	R
2	<i>Holcus lanatus</i>	Yorkshire Fog	O
3	<i>Lolium perenne</i>	Perennial Rye-grass	O
4	<i>Taraxacum officinale</i> agg.	Dandelion	R

APPENDIX 2

Sources for criteria for assessment of nature conservation importance

Habitats and species located during the field and desk surveys have been assessed for their significance according to the following sources:

International

- European Habitats and Species Directive (CEC, 1992)
- European Red Data lists (IUCN, 2000)
- European Birds Directive (CEC, 1979)
- Water Framework Directive (2000/60/EC)

National

- Conservation of Habitats and Species Regulations (2010) and amendment (2012)
- Wildlife and Countryside Act 1981 and amendments
- Countryside and Rights of Way Act 2000
- Natural Environment and Rural Communities Act 2006
- Protection of Badgers Act 1992
- The Hedgerow Regulations 1997
- UK Biodiversity Steering Group reports (UKBSG, 1995 and updates)
- UK Biodiversity Action Plan: Species and Habitat Review, 2007
- British Red Data Books and Lists (various authorities)
- Birds of Conservation Concern 4; the population status of birds in the United Kingdom, Channel Islands and Isle of Man (fourth, 2009, review) (Eaton et al, 2015)
- Guidelines for Selection of Biological SSSIs (NCC, 1989 and updates)
- Water Framework (Water Framework Directive) (England and Wales) Regulations 2003 (the Water Framework Regulations)

County and local significance

- Cornwall Biodiversity Initiative Reports 1 - 4 (CBI, 2009, 2011)
- Red Data Book for Cornwall and the Isles of Scilly (CISFBR, 2009)
- Flora of Cornwall (French, Murphy and Atkinson, 1999)

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APPENDIX 3

Terms of desktop search and map showing area and location of designated conservation sites in the vicinity.

Results based on a data search with a radius of 1km for all species from the site acquired from the Environmental Records Centre for Cornwall and the Isles of Scilly (ERCCIS).



ERCCIS Data Search SUMMARY REPORT



Report on data hosted at ERCCIS on species, habitats, statutory and non-statutory designations

Reference: **Ext Ph1_Mawgan Porth Beachside Regeneration**
Location: **50.46493 / -5.030643**
Buffer: **1 KILOMETRES**

Date of Publication: **19/02/2021**
Expires: **19/02/2022**
Organisation: **Spalding Associates**

Hosted by:



Cornwall Wildlife Trust

Registered charity number: 214929



Recording | Mapping | Informing



ERCCIS Data Search Disclaimer:

Please note that Biological Records within this report have been provided by third parties including other users of the ERCCIS site and whilst ERCCIS aims to verify these Biological Records where possible, certain information and materials will not have been verified or approved by ERCCIS and should therefore not be relied on. ERCCIS cannot guarantee that the Biological Records are complete and/or accurate, that the species detailed in the Biological Records continue to be present in the area recorded or that the lack of a species being present in a Biological Record correlates with there being a low biodiversity value or absence of the species in the EDS geographical area. For further details please see our Terms of Use and Order Terms which apply to the provision of this information.

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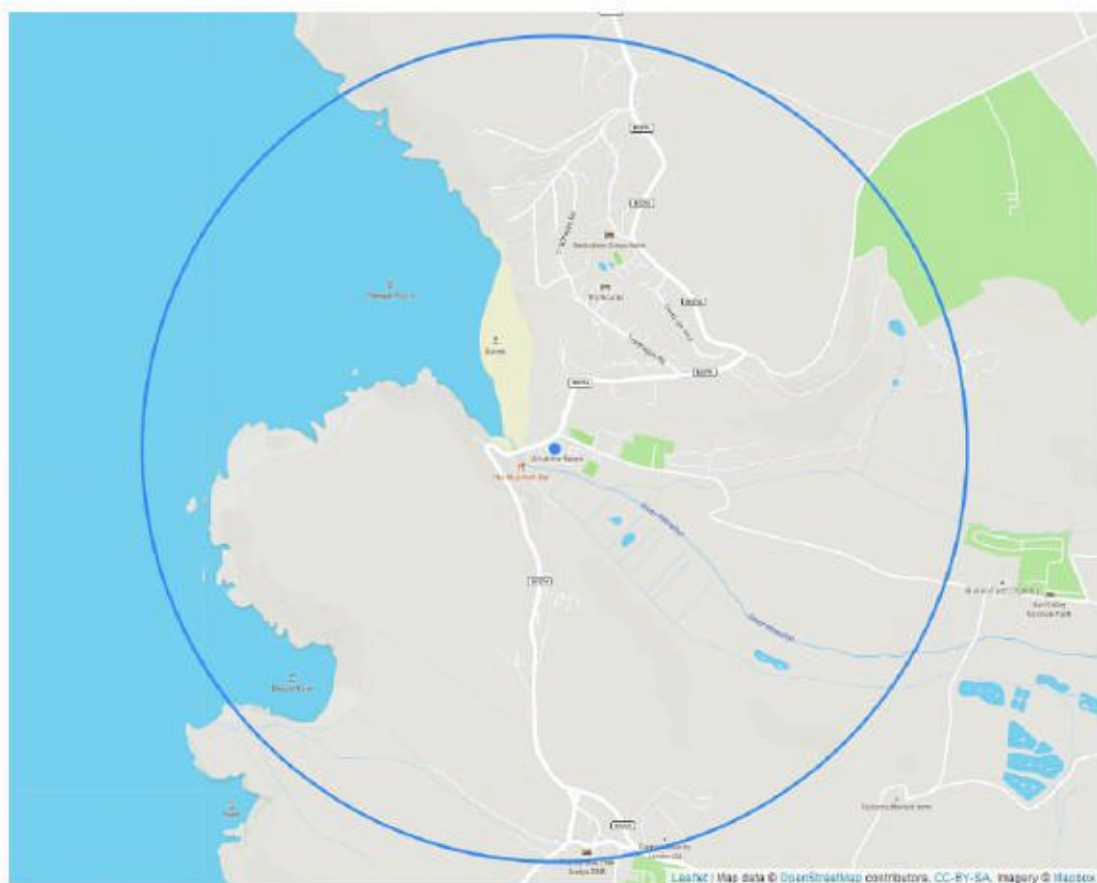
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Report Details



Report for: Melissa Wynn

Organisation: Spalding Associates

Date: 19/02/2021

The following report summarises data currently held at the Environmental Record Centre for Cornwall and Isles of Scilly (ERCCIS) and found within the search radius. This report summarises a search of statutory sites, non-statutory sites, other sites, habitats and species within the specified area of study.

The species data held by ERCCIS are collated from the biological recording community in Cornwall and Scilly, from statutory bodies, non-government organisations and local groups, ecological consultant report outputs as well as ad hoc records from a wider audience. However, there are areas of Cornwall where the records held are limited: either spatially, temporally, or taxonomically. It must be assumed that this report contains the definitive species and habitat information for the site concerned. ERCCIS continually strives to further improve and update all data wherever possible. However, this report should be treated as indicative of the best available data, rather than definitive.

The report is for the client's use to inform understanding of the site of interest. This report must not be distributed or published for an external or public audience, with the only exception being part of wider reports for the Cornwall Council on-line planning system. Data from within this report may be referenced as long as the Environmental Records for Cornwall and the Isles of Scilly is acknowledged.

A data search from ERCCIS will give the user a clear indication of what biological recording has taken place. The information provided with decision making of future management or purposing of the site, but should be used in conjunction with site visits and appropriate surveys before further judgements on the presence or absence of key species or habitats can be made.

The Environmental Records Centre for Cornwall and the Isles of Scilly must be acknowledged whenever data is cited from this report.





Statutory Sites within the search area

Statutory sites are those given level protection aimed at preventing activities that may damage features of interest. Further details can be found in the ERCCIS report summary .pdf or from Natural England and The National Association for Areas of Outstanding Natural Beauty.

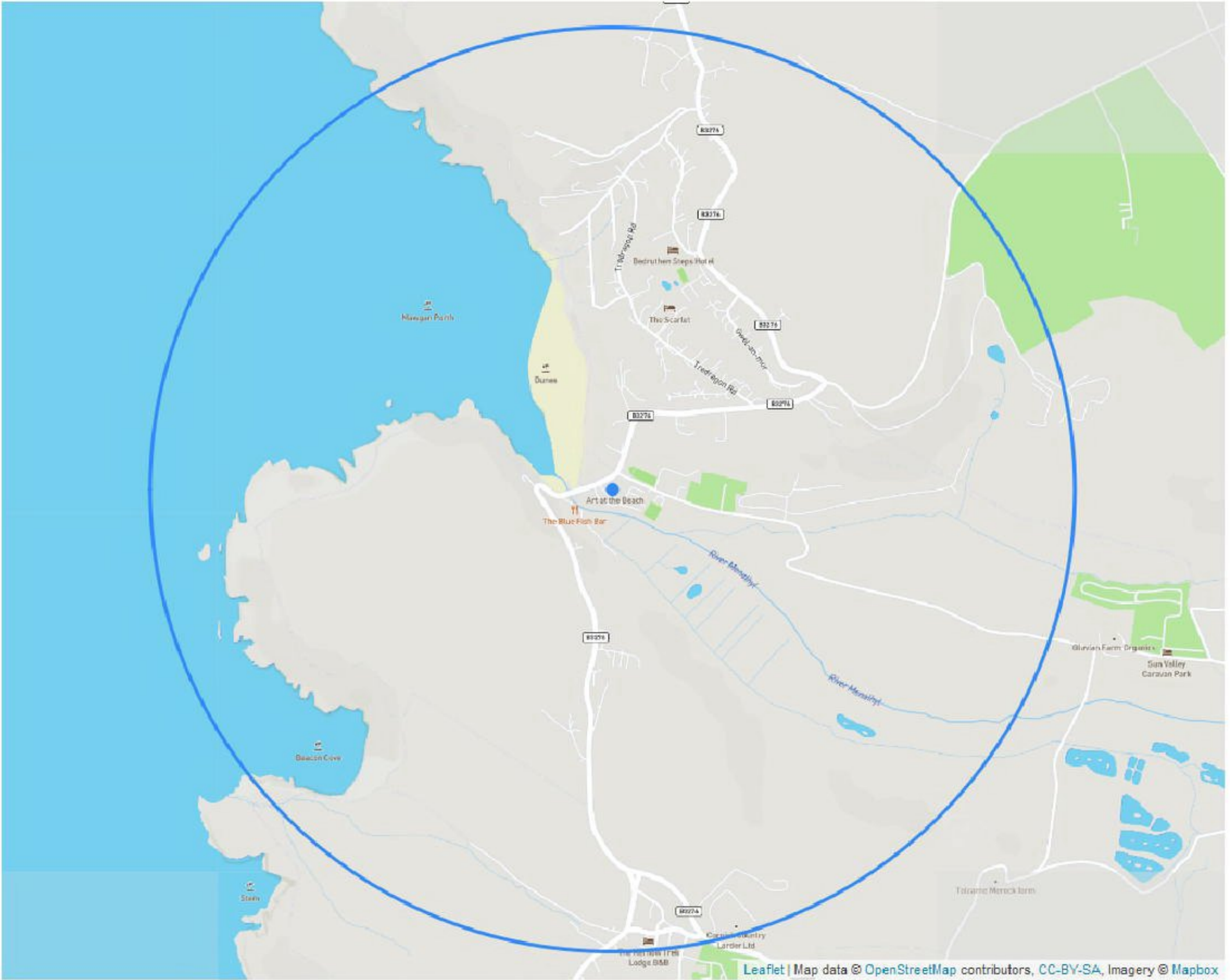
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Site Type	Site Code	Site Name	Hyperlink	Site Area (ha)
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Statutory Sites Map



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Location	Site Code	Colour
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Non-Statutory Sites & Reserves

Non-statutory sites are sites that have wildlife or habitat interest, but lack a legal protection. These sites form part of the natural environments wider ecological network

The report summarises all County Wildlife & Geology Sites which are sites recognised for wildlife or geological value and the Local Sites partnership in Cornwall is coordinated by Cornwall Wildlife Trust. It also includes summaries of the Road Side Verge Inventory; Voluntary Marine Conservation Area; Ancient Woodland; Ancient Monuments and the Reserves of Cornwall Wildlife Trust; National Trust; Woodland Trust and the Royal Society for the Protection of Birds (RSPB).

Further details can be found in the ECCRIS report summary .pdf, but for specific information on a site listed below you might need to contact the relevant organisation.

Site Type	Site Code	Site Name	Hyperlink	Site Area (ha)
CWS	R2.3	Mawgan Porth to Newquay	https://www.orks.org.uk/sites/default/files/EDS_Links/CWS/R2.3%20-%20Mawgan%20Porth%20to%20Newquay.pdf	202.18
Monument	32974	32974	n/a	0.02
Monument	C0530	C0530	n/a	1.02
RESERVE_NT	NT11251	Newquay to Trevoze	n/a	205.40









Non-Statutory Sites & Reserves Map



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Location	Site Code	Colour
1	R2.3	
2	32974	
3	C0530	
4	NT11251	





Habitats

The Environmental Records Centre for Cornwall and the Isles of Scilly provide three summaries of the habitat in your search area.

First is the Biodiversity Action Plan (BAP) habitat map. BAP Habitats are now called priority habitats and are those identified as being the most threatened and requiring conservation action in Cornwall. However it should be noted that absence of information doesn't mean that the Priority habitat isn't present.

The report also summarises the ERCCIS land cover interpretation and Phase One interpretation which represents the most up - to - date habitat data held by ERCCIS. Further details and be found in the ERCCIS report summary.pdf.

Habitat Type	Habitat Code	Habitat Name	Site Area (ha)
Priority Habitat	SS1	Coastal sand dunes	0.60

Habitat Type	Habitat Code	Habitat Name	Site Area (ha)
Land Cover	n/a	Arable and Horticultural	210.18
Land Cover	n/a	Bracken	0.26
Land Cover	n/a	Broadleaved, Mixed and Yew Woodland	16.46
Land Cover	n/a	Built-up Areas and Gardens	46.55
Land Cover	n/a	Coniferous Woodland	1.04
Land Cover	n/a	Dwarf Shrub Heath	0.16
Land Cover	n/a	Fen, Marsh and Swamp	3.69
Land Cover	n/a	Improved Grassland	405.93
Land Cover	n/a	Inland Rock	1.29
Land Cover	n/a	Littoral Rock	1.67
Land Cover	n/a	Littoral Sediment	25.06
Land Cover	n/a	Neutral Grassland	22.75
Land Cover	n/a	Standing Open Water and Canals	0.45
Land Cover	n/a	Supralittoral Rock	35.17
Land Cover	n/a	Supralittoral Sediment	6.28

Habitat Type	Habitat Code	Habitat Name	Site Area (ha)
Phase One	Arable	J1	210.18
Phase One	Bracken	C1	0.26



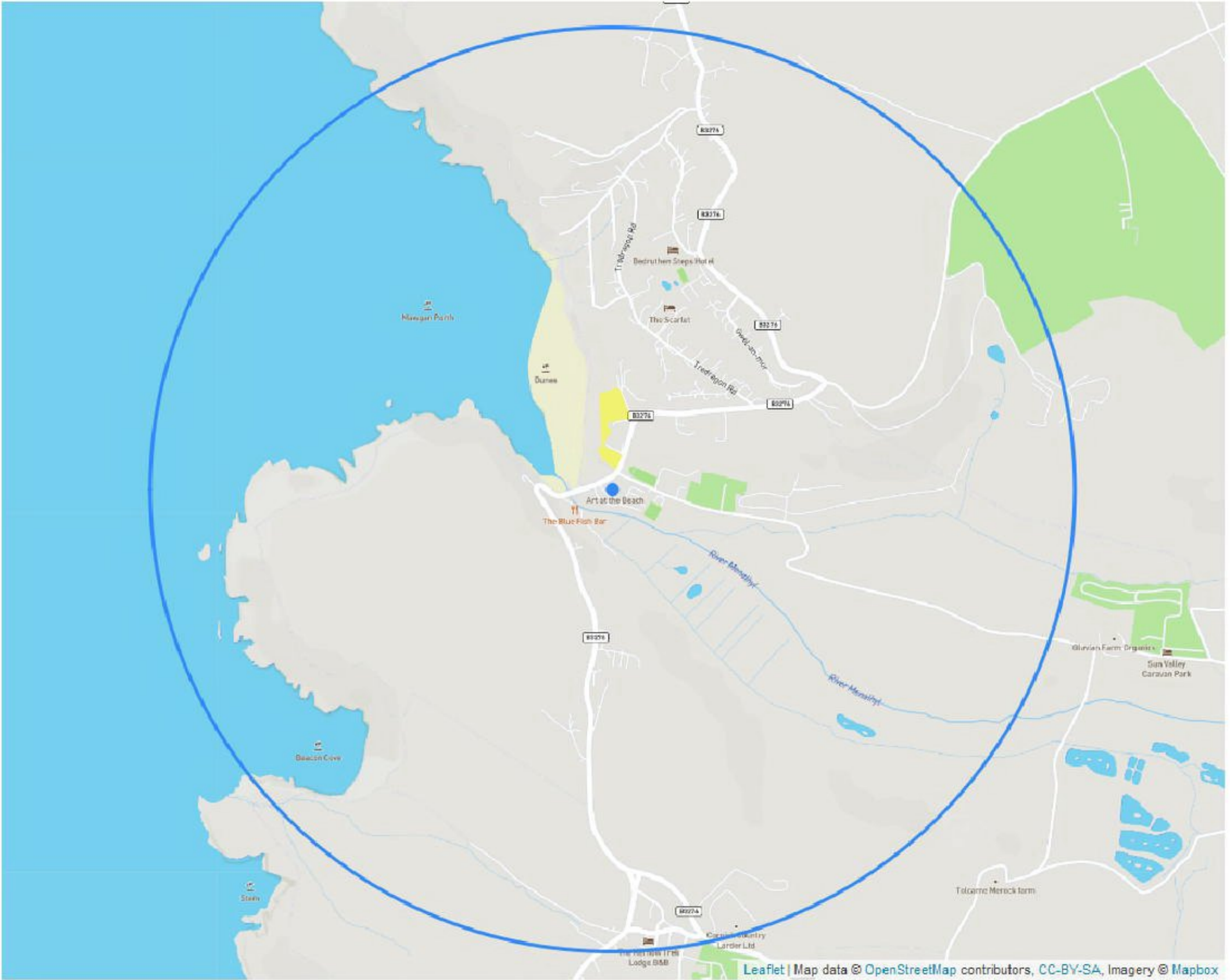


Phase One	Broadleaved woodland	A1.1	4.65
Phase One	Broadleaved woodland / Conifer	A1.3	5.26
Phase One	Built environment	J3	46.56
Phase One	Coastal Cliff	H8	27.50
Phase One	Coastal grassland	H8.4	17.51
Phase One	Coastal heathland	H8.5	0.16
Phase One	Coniferous woodland	A1.2	1.04
Phase One	Disturbed ground	I	1.29
Phase One	Dune grassland	H6.5	0.54
Phase One	Improved grassland	B4	405.93
Phase One	Intertidal - boulders/rocks	H1.3	1.67
Phase One	Intertidal - mud/sand	H1.1	25.06
Phase One	Marsh/marshy grassland	B5	0.55
Phase One	Open dune	H6.8	5.64
Phase One	Scrub	A2	6.64
Phase One	Shingle above high tide mark	H3	0.10
Phase One	Standing water	G1	0.45
Phase One	Swamp	F1	3.69
Phase One	Unimproved grassland / Bracken (possibly)	B2	12.28






Priority Habitat Map



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Habitat Name	Colour
Coastal sand dunes	






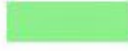






Phase One Interpretation Map




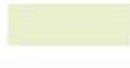







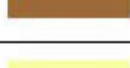
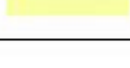


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Habitat Code	Colour
J1	
C1	
A1.1	
A1.3	
J3	
H8	
H8.4	
H8.5	



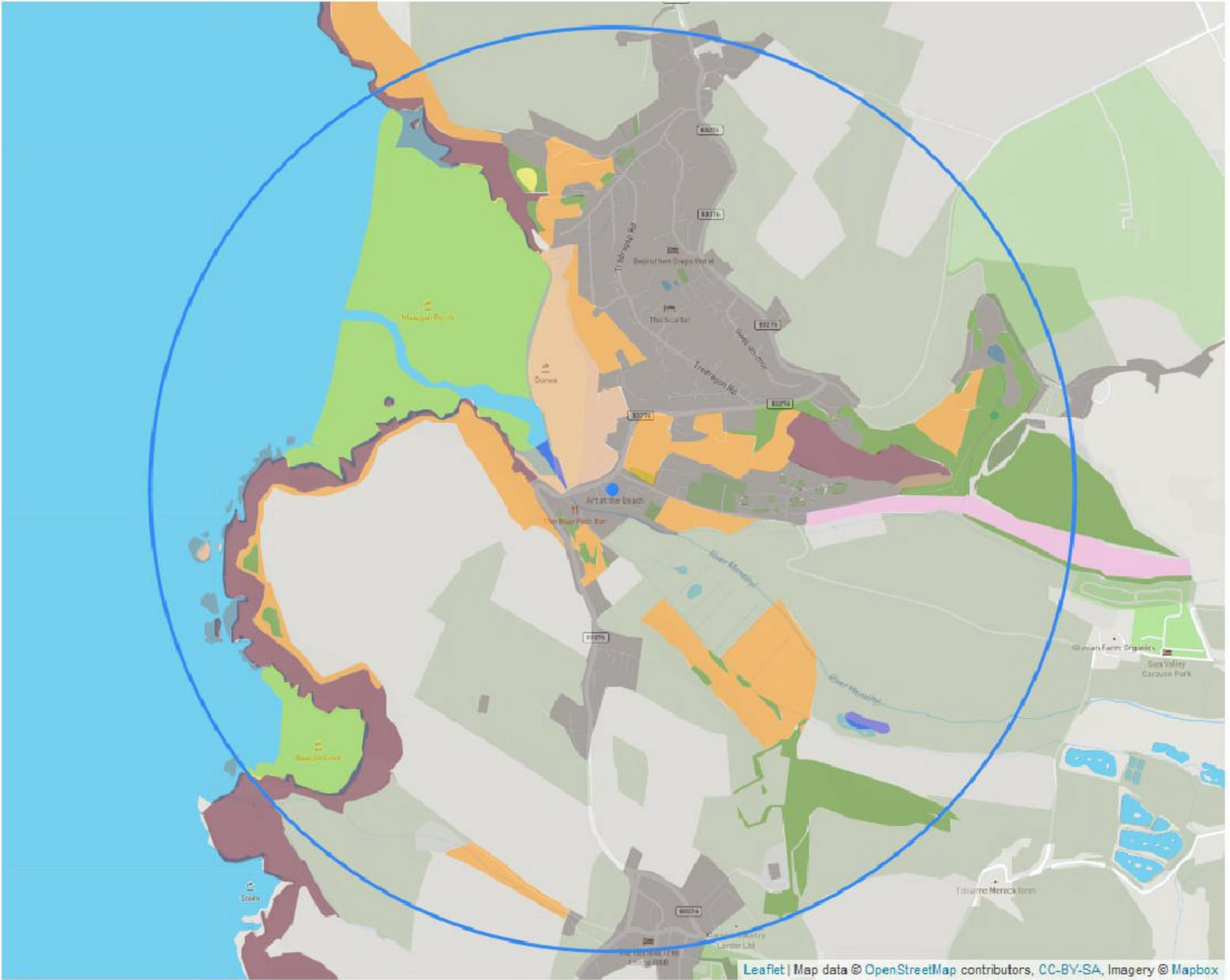


A1.2	
I	
H6.5	
B4	
H1.3	
H1.1	
B5	
H6.8	
A2	
H3	
G1	
F1	
B2	





ERCCIS Land Cover Habitat Interpretation Map



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Habitat Name	Colour
Arable and Horticultural	
Bracken	
Broadleaved, Mixed and Yew Woodland	
Built-up Areas and Gardens	
Coniferous Woodland	
Dwarf Shrub Heath	
Fen, Marsh and Swamp	
Improved Grassland	

Hosted by:



Cornwall Wildlife Trust

Registered charity number: 214929





Inland Rock	
Littoral Rock	
Littoral Sediment	
Neutral Grassland	
Standing Open Water and Canals	
Supralittoral Rock	
Supralittoral Sediment	





Summary Species Table

The Environmental Records for Cornwall and the Isles of Scilly holds biological records on the following species within or overlapping the search area.

Please note that past records of presence of a species does not guarantee continued occurrence and absence of records does not imply absence of a species, merely that no records are held. Confidential data, zero abundance records, data at poorly defined geographic resolutions and data pending validation and/or verification are also excluded from this report.

This table summarises records from 1960 onwards. The sighting numbers are total number of records in period, not the number of individuals.

Details on abundance can be seen in your excel dataset, but please note that where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Abbreviation designation	As list on one or more of the following;
Protected	Bern Convention; Bonn Convention; EC Birds Directive; Convention on Migratory Species; CITES; Habitat Directive; OSPAR; Protection of Badgers Act; Wildlife and Countryside Act; NERC s41
Priority	National Red data list; BAP Species
Local Priority	Cornwall Red Data Book
Non-Native	As listed on the ERCCIS interpreted INNS list

Confidential records

Certain records are marked as confidential by the original recorder and ERCCIS respects the original recorders wishes.

Sensitive Records

Certain records are marked as sensitive by the original recorder and ERCCIS respects the original recorders wishes.





Protected and designated species records table

This table summarises records from 1960 onwards. The sighting numbers are total number of records in period, not the number of individuals

Details on abundance can be seen in your excel dataset, but please note that where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record

Amphibian				
Epidalea calamita	Natterjack Toad	1	1969 - 1969	Legal, Priority
Lissotriton helveticus	Palmate Newt	1	2006 - 2006	Legal
Bird				
Acanthis cabaret	Lesser Redpoll	2	1992 - 2006	Legal, Priority, Local Priority
Accipiter nisus	Sparrowhawk	14	1965 - 2019	Legal, Priority
Alauda arvensis	Skylark	16	1962 - 2019	Legal, Priority
Alca torda	Razorbill	4	1992 - 2013	Legal, Priority, Local Priority
Alcedo atthis	Kingfisher	3	1998 - 2004	Legal, Priority
Alectoris rufa	Red-legged Partridge	3	1964 - 2006	Legal
Alle alle	Little Auk	1	2003 - 2003	Legal
Anas acuta	Pintail	3	1997 - 2001	Legal, Priority, Local Priority
Anas americana	American Wigeon	1	1998 - 1998	Legal
Anas clypeata	Shoveller	9	1992 - 2003	Legal, Priority, Local Priority
Anas crecca	Teal	70	1997 - 2019	Legal, Priority, Local Priority
Anas penelope	Wigeon	53	1997 - 2019	Legal, Priority, Local Priority
Anas platyrhynchos	Mallard	23	1990 - 2019	Legal, Priority
Anas querquedula	Garganey	1	1992 - 1992	Legal, Priority, Local Priority
Anas strepera	Gadwall	2	1998 - 1998	Legal, Priority, Local Priority
Anser albifrons subsp. albifrons	European White-fronted Goose	1	1959 - 1959	Legal, Priority
Anser anser	Greylag Goose	1	2000 - 2000	Legal, Priority





Anser brachyrhynchus	Pink-footed Goose	1	1993 - 1993	Legal, Priority
Anthus petrosus	Rock Pipit	5	1963 - 2014	Legal
Anthus pratensis	Meadow Pipit	12	1962 - 2018	Legal, Priority
Anthus spinoletta	Water Pipit	13	1985 - 2004	Legal, Priority, Local Priority
Apus apus	Swift	8	1965 - 2006	Priority
Ardea cinerea	Grey Heron	4	2001 - 2019	Legal, Priority
Ardea purpurea	Purple Heron	1	2017 - 2017	Legal
Arenaria interpres	Turnstone	1	1962 - 1962	Legal, Priority, Local Priority
Aythya fuligula	Tufted Duck	1	2009 - 2009	Legal, Local Priority
Botaurus stellaris	Bittern	1	1963 - 1963	Legal, Priority
Branta canadensis	Canada Goose	10	2001 - 2019	Legal, Invasive Non-Native
Bubulcus ibis	Cattle Egret	2	1999 - 2017	Legal
Bucephala clangula	Goldeneye	1	1965 - 1965	Legal, Priority
Buteo buteo	Buzzard	10	1962 - 2018	Legal
Calcarius lapponicus	Lapland Bunting	2	1963 - 1998	Legal, Priority
Calidris alpina	Dunlin	2	1997 - 1997	Legal, Priority, Local Priority
Calidris minuta	Little Stint	1	1960 - 1960	Legal
Calidris pugnax	Ruff	1	1997 - 1997	Legal, Priority
Carduelis carduelis	Goldfinch	12	1962 - 2019	Legal
Cettia cetti	Cetti's Warbler	12	1993 - 2019	Legal, Local Priority
Charadrius alexandrinus	Kentish Plover	1	1960 - 1960	Legal, Priority
Charadrius morinellus	Dotterel	1	1971 - 1971	Legal, Priority
Chloris chloris	Greenfinch	4	1990 - 2018	Legal, Priority
Chroicocephalus ridibundus	Black-headed Gull	11	1963 - 2019	Legal, Priority, Local Priority
Circus cyaneus	Hen Harrier	1	1987 - 1987	Legal, Priority, Local Priority
Columba livia	Feral Pigeon/Rock Dove	1	1965 - 1965	Legal
Columba oenas	Stock Dove	3	1964 - 1964	Legal, Priority
Columba palumbus	Woodpigeon	20	1992 - 2019	Legal





Corvus corone	Carrion Crow	9	1964 - 2019	Legal
Corvus frugilegus	Rook	14	1964 - 2019	Legal, Priority
Corvus monedula	Jackdaw	22	1962 - 2019	Legal
Coturnix coturnix	Quail	1	1983 - 1983	Legal, Priority, Local Priority
Crex crex	Corncrake	1	1968 - 1968	Legal, Priority
Cuculus canorus	Cuckoo	3	1998 - 2004	Legal, Priority
Cyanistes caeruleus	Blue Tit	7	1964 - 2019	Legal
Cygnus columbianus subsp. bewickii	Bewick's Swan	2	1991 - 1991	Legal, Priority
Cygnus cygnus	Whooper Swan	5	2000 - 2000	Legal, Priority
Cygnus olor	Mute Swan	1	1999 - 1999	Legal, Priority
Delichon urbicum	House Martin	5	1998 - 2018	Legal, Priority
Dendrocopos major	Great Spotted Woodpecker	5	1998 - 2009	Legal
Egretta garzetta	Little Egret	6	1997 - 2016	Legal, Local Priority
Emberiza calandra	Corn Bunting	16	1963 - 2003	Priority, Local Priority
Emberiza cirlus	Cirl Bunting	1	1965 - 1965	Legal, Priority, Local Priority
Emberiza citrinella	Yellowhammer	3	1998 - 2004	Legal, Priority
Emberiza schoeniclus	Reed Bunting	13	1962 - 2018	Legal, Priority
Erithacus rubecula	Robin	19	1963 - 2019	Legal
Falco columbarius	Merlin	4	1961 - 1998	Legal, Priority
Falco peregrinus	Peregrine	19	1966 - 2018	Legal, Local Priority
Falco subbuteo	Hobby	2	1990 - 1990	Legal, Local Priority
Falco tinnunculus	Kestrel	11	1962 - 2019	Legal, Priority
Fratercula arctica	Puffin	2	2007 - 2014	Legal, Priority, Local Priority
Fringilla montifringilla	Brambling	4	1966 - 1992	Legal
Fulica atra	Coot	1	2018 - 2018	Legal, Priority
Fulmarus glacialis	Fulmar	12	1964 - 2019	Priority
Gallinago gallinago	Snipe	18	1967 - 2019	Legal, Priority, Local Priority
Gallinula chloropus	Moorhen	30	1963 - 2019	Legal, Priority





Garrulus glandarius	Jay	3	1997 - 2006	Legal
Gavia stellata	Red-throated Diver	1	1998 - 1998	Legal, Local Priority
Haematopus ostralegus	Oystercatcher	27	1962 - 2016	Legal, Priority, Local Priority
Hirundo rustica	Swallow	16	1959 - 2019	Legal
Hydrocoloeus minutus	Little Gull	1	2003 - 2003	Legal
Lanius excubitor	Great Grey Shrike	1	1970 - 1970	Legal
Larus argentatus	Herring Gull	23	1962 - 2019	Legal, Priority
Larus canus	Common Gull	2	1964 - 1965	Legal, Priority
Larus fuscus	Lesser Black-backed Gull	8	1964 - 2019	Legal, Priority
Larus glaucoides	Iceland Gull	1	1997 - 1997	Legal, Priority
Larus hyperboreus	Glaucous Gull	1	2016 - 2016	Legal, Priority
Larus marinus	Great Black-backed Gull	7	1963 - 2015	Legal, Priority
Larus melanocephalus	Mediterranean Gull	3	1997 - 2019	Legal, Priority, Local Priority
Larus michahellis subsp. michahellis	Yellow-legged Gull	2	1998 - 2000	Priority
Limosa limosa	Black-tailed Godwit	2	1997 - 1998	Legal, Priority, Local Priority
Linaria cannabina	Linnet	3	2014 - 2019	Legal, Priority
Locustella naevia	Grasshopper Warbler	8	1960 - 1998	Legal, Priority
Loxia curvirostra	Common Crossbill	2	1997 - 1997	Legal, Local Priority
Lymnocyptes minimus	Jack Snipe	4	1967 - 1968	Legal
Morus bassanus	Gannet	7	1973 - 2015	Legal, Priority
Motacilla alba	Pied/White Wagtail	3	1964 - 2015	Legal
Motacilla alba subsp. yarrellii	Pied Wagtail	4	1962 - 2006	Legal
Motacilla cinerea	Grey Wagtail	4	1997 - 2018	Legal, Priority
Muscicapa striata	Spotted Flycatcher	1	1997 - 1997	Legal, Priority
Numenius arquata	Curlew	11	1997 - 2019	Legal, Priority, Local Priority
Numenius phaeopus	Whimbrel	2	1999 - 2014	Legal, Priority, Local Priority
Oenanthe oenanthe	Wheatear	7	1964 - 2002	Legal
Pandion haliaetus	Osprey	1	1964 - 1964	Legal, Priority





Panurus biarmicus	Bearded Tit	2	1965 - 1968	Legal
Parus major	Great Tit	6	2006 - 2019	Legal
Passer domesticus	House Sparrow	7	1962 - 2019	Legal, Priority
Perdix perdix	English Partridge	3	1963 - 2006	Legal, Priority, Local Priority
Periparus ater	Coal Tit	1	1997 - 1997	Legal
Phalacrocorax aristotelis	Shag	12	1962 - 2014	Legal, Priority
Phalacrocorax carbo	Cormorant	1	1997 - 1997	Legal, Priority
Phasianus colchicus	Pheasant	7	1997 - 2018	Legal
Phoenicurus ochruros	Black Redstart	3	1997 - 2005	Legal, Priority
Phoenicurus phoenicurus	Redstart	3	1960 - 1967	Legal, Priority
Phylloscopus trochilus	Willow Warbler	8	1961 - 2006	Priority
Pica pica	Magpie	5	1964 - 2014	Legal
Picus viridis	Green Woodpecker	2	1963 - 1965	Legal
Plectrophenax nivalis	Snow Bunting	6	1964 - 1969	Legal, Priority
Prunella modularis	Dunnock	13	1963 - 2019	Legal, Priority
Puffinus mauretanicus	Balearic Shearwater	1	2011 - 2011	Legal, Priority, Local Priority
Pyrrhocorax pyrrhocorax	Chough	8	1962 - 2020	Legal, Priority, Local Priority
Pyrrhula pyrrhula	Bullfinch	4	1997 - 2004	Priority
Rallus aquaticus	Water Rail	15	1968 - 2018	Legal, Local Priority
Regulus ignicapilla	Firecrest	5	1992 - 2001	Legal
Regulus regulus	Goldcrest	2	1993 - 1997	Legal
Riparia riparia	Sand Martin	13	1959 - 2018	Legal, Local Priority
Rissa tridactyla	Kittiwake	2	1999 - 2011	Legal, Priority, Local Priority
Saxicola rubetra	Whinchat	3	1965 - 1998	Legal, Priority, Local Priority
Saxicola rubicola	European Stonechat	17	1962 - 2019	Legal
Scolopax rusticola	Woodcock	6	1997 - 1999	Legal, Priority
Spinus spinus	Siskin	5	1971 - 1998	Legal, Local Priority
Streptopelia decaocto	Collared Dove	2	2009 - 2011	Legal, Priority
Strix aluco	Tawny Owl	1	1998 - 1998	Legal, Priority





<i>Sturnus vulgaris</i>	Starling	10	1963 - 2019	Legal, Priority
<i>Sylvia curruca</i>	Lesser Whitethroat	3	1985 - 2006	Local Priority
<i>Tachybaptus ruficollis</i>	Little Grebe	5	1998 - 2004	Legal, Local Priority
<i>Tringa ochropus</i>	Green Sandpiper	1	1984 - 1984	Legal, Priority, Local Priority
<i>Tringa totanus</i>	Redshank	1	1998 - 1998	Legal, Priority, Local Priority
<i>Troglodytes troglodytes</i>	Wren	9	1963 - 2019	Legal
<i>Turdus iliacus</i>	Redwing	2	1997 - 2006	Legal, Priority
<i>Turdus merula</i>	Blackbird	16	1963 - 2019	Legal
<i>Turdus philomelos</i>	Song Thrush	7	1965 - 2018	Legal, Priority
<i>Turdus pilaris</i>	Fieldfare	1	2006 - 2006	Legal, Priority
<i>Turdus torquatus</i>	Ring Ouzel	2	1984 - 1992	Legal, Priority
<i>Turdus viscivorus</i>	Mistle Thrush	3	1993 - 1998	Legal, Priority
<i>Tyto alba</i>	Barn Owl	14	1963 - 2004	Legal, Local Priority
<i>Upupa epops</i>	Hoopoe	1	1968 - 1968	Legal
<i>Uria aalge</i>	Guillemot	10	1992 - 2014	Legal, Priority, Local Priority
<i>Vanellus vanellus</i>	Lapwing	7	1963 - 2018	Legal, Priority, Local Priority

Bony Fish (Actinopterygii)

<i>Anguilla anguilla</i>	European Eel	1	1986 - 1986	Legal, Priority, Local Priority
<i>Balistes capriscus</i>	Grey Trigger-fish	9	2000 - 2012	Local Priority
<i>Pagrus pagrus</i>	Couch's Sea-bream	1	1997 - 1997	Priority, Local Priority
<i>Salmo trutta</i>	Brown/Sea Trout	2	1986 - 1994	Legal, Priority, Local Priority

Cartilagenous Fish (Chondrichthyes)

<i>Cetorhinus maximus</i>	Basking Shark	1	2005 - 2005	Legal, Priority, Local Priority
<i>Prionace glauca</i>	Blue Shark	1	2010 - 2010	Legal, Priority, Local Priority
<i>Raja brachyura</i>	Blonde Ray	1	2012 - 2012	Priority
<i>Raja montagui</i>	Spotted Ray	1	2012 - 2012	Legal

Chromist





<i>Cystoseira baccata</i>	n/a	1	1982 - 1982	Local Priority
Coelenterate (=Cnidarian)				
<i>Pelagia noctiluca</i>	Mauve Stinger	2	2013 - 2014	Local Priority
<i>Physalia physalis</i>	Portuguese Man'O War	9	1999 - 2017	Local Priority
<i>Velella velella</i>	By-the-wind-sailor	4	2003 - 2009	Local Priority
Crustacean				
Balanidae	n/a	1	1982 - 1982	Local Priority
<i>Balanus balanus</i>	n/a	1	2012 - 2012	Local Priority
<i>Planes minutus</i>	Gulf Weed Crab	2	2009 - 2009	Local Priority
Flowering Plant				
<i>Allium ampeloprasum</i>	Wild Leek	1	2014 - 2014	Priority, Local Priority
<i>Allium triquetrum</i>	Three-cornered Garlic	10	1994 - 2014	Legal, Invasive Non-Native
<i>Buddleja davidii</i>	Butterfly-bush	3	1990 - 2014	Invasive Non-Native
<i>Calluna vulgaris</i>	Heather	1	1999 - 1999	Priority
<i>Calystegia soldanella</i>	Sea Bindweed	2	1999 - 2011	Priority
<i>Carlina vulgaris</i>	Carlina Thistle	3	1980 - 2014	Priority
<i>Carpobrotus edulis</i>	Hottentot-fig	1	1982 - 1982	Legal, Invasive Non-Native
<i>Cortaderia seloana</i>	Pampas-grass	1	2014 - 2014	Invasive Non-Native
<i>Cotoneaster horizontalis</i>	Wall Cotoneaster	1	2014 - 2014	Legal, Invasive Non-Native
<i>Crocasmia pottsii</i> x <i>aurea</i> = <i>C. x crocosmiiflora</i>	Montbretia	7	1990 - 2014	Legal, Invasive Non-Native
<i>Daucus carota</i> subsp. <i>gummifer</i>	Sea Carrot	1	2002 - 2002	Priority
<i>Elodea canadensis</i>	Canadian Waterweed	2	2000 - 2000	Legal, Invasive Non-Native
<i>Erica cinerea</i>	Bell Heather	6	1990 - 2011	Priority
<i>Eryngium maritimum</i>	Sea-holly	1	1990 - 1990	Priority
<i>Euphorbia portlandica</i>	Portland Spurge	2	1999 - 2013	Local Priority
<i>Fallopia japonica</i>	Japanese Knotweed	2	2007 - 2014	Legal, Invasive Non-Native
<i>Glebionis segetum</i>	Corn Marigold	4	1990 - 2009	Priority, Local Priority





<i>Gunnera tinctoria</i>	Giant-rhubarb	1	2000 - 2000	Legal, Invasive Non-Native
<i>Hippophae rhamnoides</i>	Sea-buckthorn	3	1990 - 2011	Priority, Invasive Non-Native
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort	1	2002 - 2002	Priority
<i>Impatiens glandulifera</i>	Himalayan Balsam	1	2011 - 2011	Legal, Invasive Non-Native
<i>Inula crithmoides</i>	Golden-samphire	4	1960 - 2011	Priority, Local Priority
<i>Jasione montana</i>	Sheep's-bit	3	1997 - 2011	Priority
<i>Knautia arvensis</i>	Field Scabious	4	1980 - 2014	Priority
<i>Lathyrus japonicus</i>	Sea Pea	1	2007 - 2007	Priority
<i>Mentha arvensis</i>	Corn Mint	1	2000 - 2000	Priority
<i>Myriophyllum aquaticum</i>	Parrot's-feather	1	2010 - 2010	Legal, Invasive Non-Native
<i>Petasites fragrans</i>	Winter Heliotrope	5	1999 - 2014	Invasive Non-Native
<i>Potentilla erecta</i>	Tormentil	1	2002 - 2002	Priority
<i>Rosa rugosa</i>	Japanese Rose	2	1999 - 2011	Legal, Invasive Non-Native
<i>Salvia verbenaca</i>	Wild Clary	2	1966 - 1980	Priority
<i>Scilla autumnalis</i>	Autumn Squill	2	1999 - 2003	Priority, Local Priority
<i>Scrophularia scorodonia</i>	Balm-leaved Figwort	3	1993 - 2006	Priority, Local Priority
<i>Senecio aquaticus</i>	Marsh Ragwort	1	2003 - 2003	Priority
<i>Silene flos-cuculi</i>	Ragged-Robin	1	2002 - 2002	Priority
<i>Spergula arvensis</i>	Corn Spurrey	4	1990 - 2009	Priority, Local Priority
<i>Stachys arvensis</i>	Field Woundwort	5	1990 - 2009	Priority, Local Priority
<i>Succisa pratensis</i>	Devil's-bit Scabious	2	1990 - 2002	Priority
<i>Valeriana officinalis</i>	Common Valerian	1	2000 - 2000	Priority
<i>Zostera (Zostera) marina</i>	Eelgrass	1	1982 - 1982	Legal, Priority, Local Priority

Fungus

<i>Uromyces beticola</i>	n/a	1	1993 - 1993	Local Priority
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Insect - Beetle (Coleoptera)

<i>Meloe proscarabaeus</i>	Black Oil-beetle	1	2011 - 2011	Legal, Priority
<i>Philorhizus vectensis</i>	n/a	1	2002 - 2002	Legal, Priority, Local Priority





Insect - Butterfly

Lasiommata megera	Wall	3	1995 - 2014	Legal, Priority
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Insect - Hymenopteran

Andrena humilis	Buff-tailed Mining Bee	1	2000 - 2000	Priority, Local Priority
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Bombus humilis	Brown-banded Carder Bee	5	1972 - 2001	Legal, Priority, Local Priority
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Sphecodes crassus	Swollen-thighed Blood Bee	1	2000 - 2000	Priority, Local Priority
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Insect - Moth

Scopula marginepunctata	Mullein Wave	1	2014 - 2014	Legal, Priority
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Insect - Stick Insect (Phasmida)

Acanthoxyla prasina subsp. inermis	Unarmed Stick-insect	1	2001 - 2001	Local Priority
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Insect - True Bug (Hemiptera)

Dicranocephalus agilis	n/a	1	1999 - 1999	Priority, Local Priority
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Insect - True Fly (Diptera)

Policheta unicolor	n/a	2	1967 - 2000	Priority
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Lichen

Buellia stellulata	n/a	1	1994 - 1994	Priority
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Diploschistes caesioplumbeus	n/a	1	1994 - 1994	Priority
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Marine Mammal

Cetacea	Whales & Dolphins	1	1996 - 1996	Legal
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Delphinus delphis	Common Dolphin	5	1992 - 2015	Legal, Priority, Local Priority
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Globicephala melas	Long-finned Pilot Whale	2	2012 - 2015	Legal, Priority, Local Priority
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Halichoerus grypus	Grey Seal	22	1989 - 2018	Legal
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Orcinus orca	Killer Whale	1	2010 - 2010	Legal, Priority, Local Priority
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Phocoena phocoena	Harbour Porpoise	4	1998 - 2012	Legal, Priority, Local Priority
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Tursiops truncatus	Bottle-nosed Dolphin	3	1973 - 2003	Legal, Priority, Local Priority
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Mollusc

Janthina janthina	Violet Snail	1	2007 - 2007	Local Priority
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<i>Janthina pallida</i>	n/a	1	2007 - 2007	Local Priority
<i>Magallana gigas</i>	Pacific Oyster	1	2012 - 2012	Invasive Non-Native
<i>Melarhaphe neritoides</i>	Small Periwinkle	5	1982 - 2019	Local Priority
<i>Nucella lapillus</i>	Dog Whelk	7	1982 - 2019	Legal
<i>Onchidella celtica</i>	Celtic Sea Slug	2	2010 - 2012	Local Priority
<i>Theba pisana</i>	White Snail	3	1993 - 2011	Local Priority
Moss				
<i>Bryum donianum</i>	Don's Thread-moss	1	1962 - 1962	Local Priority
<i>Pleurochaete squarrosa</i>	Side-fruited Crisp-moss	1	1962 - 1962	Local Priority
Reptile				
<i>Anguis fragilis</i>	Slow-worm	3	2002 - 2006	Legal, Priority
<i>Dermochelys coriacea</i>	Leatherback Turtle	1	1988 - 1988	Legal, Priority, Local Priority
<i>Natrix helvetica</i>	Grass Snake	1	1975 - 1975	Legal, Priority
<i>Vipera berus</i>	Adder	1	2002 - 2002	Legal, Priority
<i>Zootoca vivipara</i>	Common Lizard	3	1990 - 2007	Legal, Priority
Terrestrial Mammal				
<i>Erinaceus europaeus</i>	West European Hedgehog	1	2000 - 2000	Legal, Priority, Local Priority
<i>Meles meles</i>	Eurasian Badger	2	1991 - 2003	Legal, Local Priority
<i>Mustela putorius</i>	Polecat	1	2019 - 2019	Legal, Priority, Local Priority
<i>Neovison vison</i>	American Mink	1	1996 - 1996	Legal, Invasive Non-Native
<i>Oryctolagus cuniculus</i>	European Rabbit	8	1990 - 2018	Priority, Invasive Non-Native
<i>Rattus norvegicus</i>	Brown Rat	1	2005 - 2005	Invasive Non-Native
<i>Sciurus carolinensis</i>	Grey Squirrel	1	2018 - 2018	Legal, Invasive Non-Native
<i>Sorex araneus</i>	Eurasian Common Shrew	1	2005 - 2005	Legal, Local Priority
Terrestrial Mammal - Bat (Chiroptera)				
<i>Barbastella</i>	Barbastelle Bat species	1	2013 - 2013	Legal, Priority
<i>Pipistrellus nathusii</i>	Nathusius's Pipistrelle	1	2013 - 2013	Legal, Priority, Local Priority
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle	1	2013 - 2013	Legal, Local Priority





Pipistrellus pygmaeus	Soprano Pipistrelle	1	2014 - 2014	Legal, Priority, Local Priority
Rhinolophus hipposideros	Lesser Horseshoe Bat	1	2013 - 2013	Legal, Priority, Local Priority



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About the Cornwall and the Isles of Scilly Environmental Records Centre

The Environmental Records Centre for Cornwall and the Isles of Scilly (ERCCIS) collates, manages and disseminates biological and geological information for use in sustainable development, conservation and research. Working with local and national biological recorders and organisations to gather data that is crucial to aid conservation management of sites, to help organisations prioritise action, and to understand the distribution of species and trends over time. For more information on ERCCIS, visit the website at <https://erccis.org.uk>



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