

# Stroud Open Space and Green Infrastructure Study



## Cotswold Cluster Sub Area Analysis Report (Part 2 of 2)

Final June 2019



Ecology | Green Space | Arboiculture | GIS Unit 2 The Old Estate Yard | North Stoke Lane

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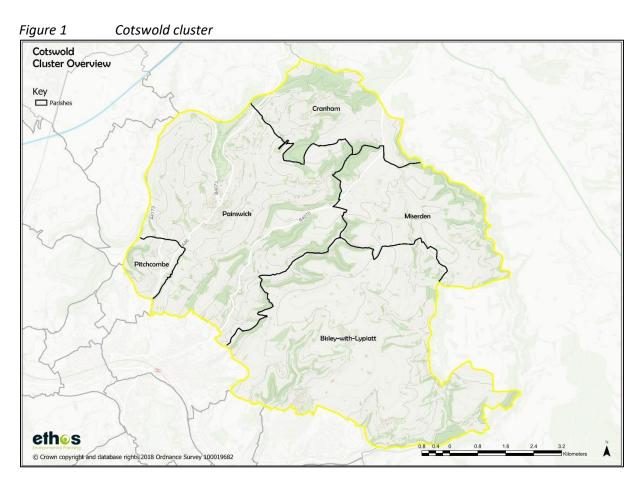
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### 1.0 Geographical area and population

The Cotswold cluster comprises the Parishes of Bisley-with-Lypaitt, Cranham, Miserden, Painswick and Pitchcombe as shown in figure 1. The population of this area is 6,558 (ONS 2017 mid-year estimate).



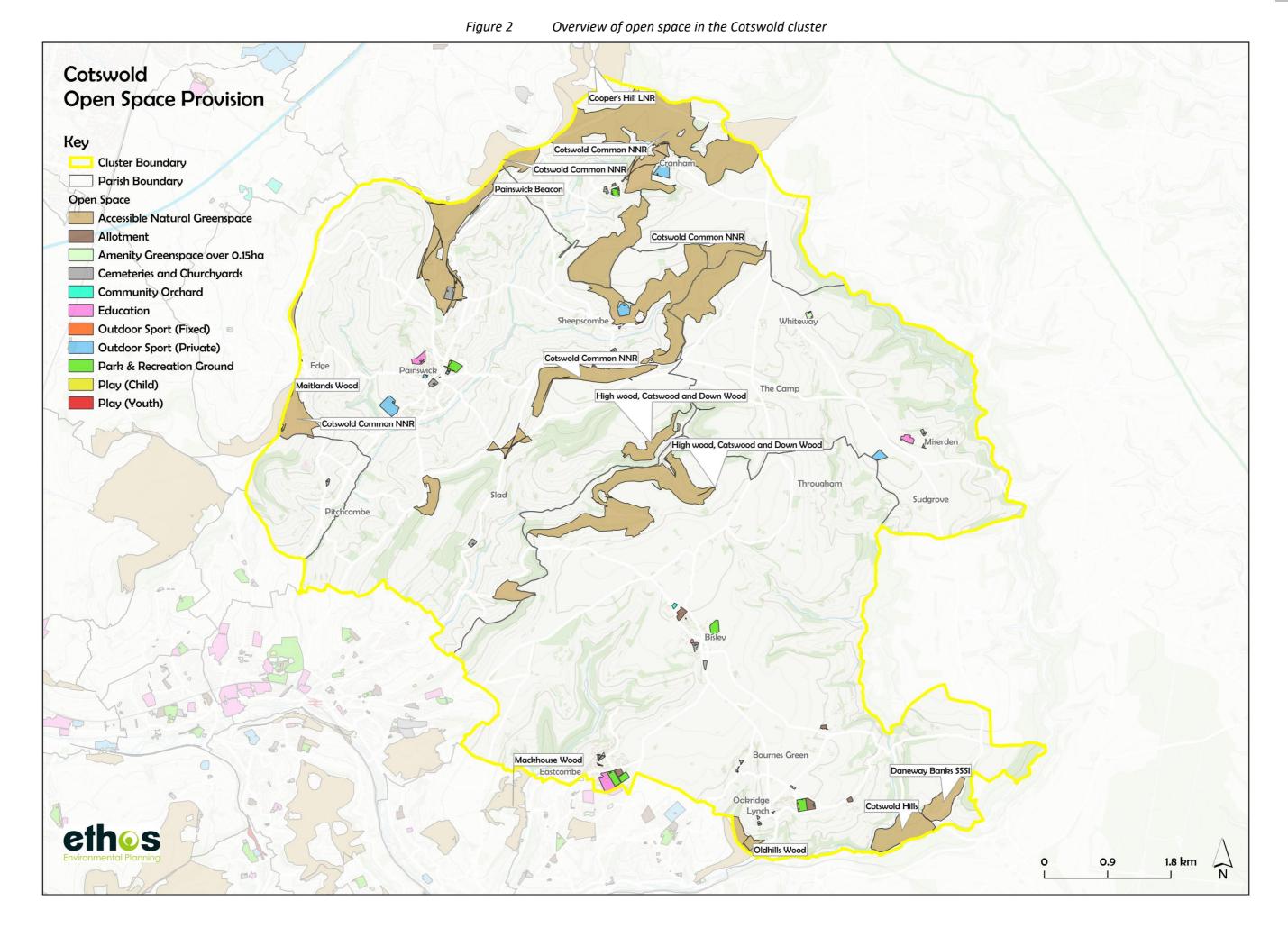
The Local Plan Review Emerging Strategy (2018) provides a summary of this area as follows:

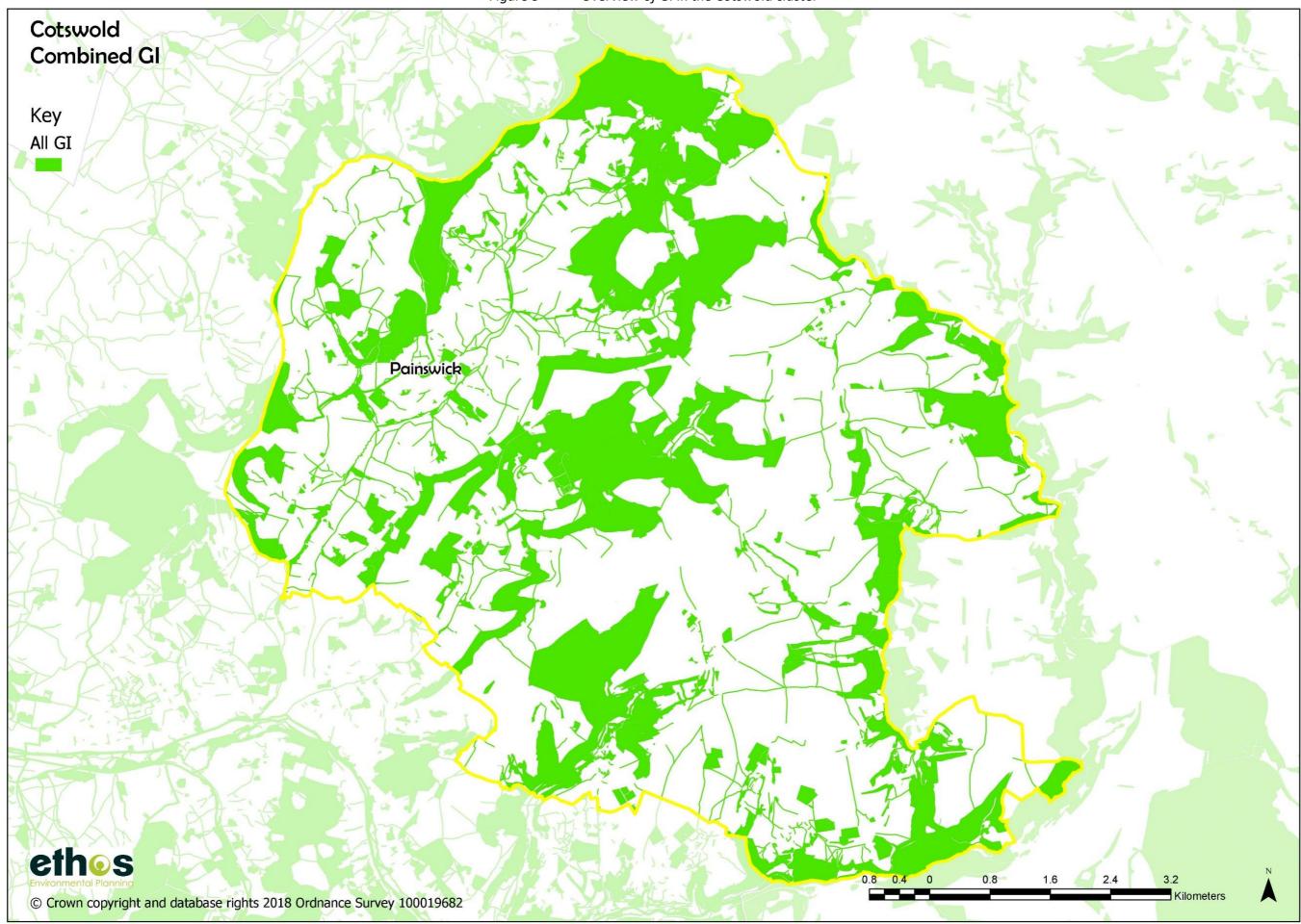
This cluster of parishes falls entirely within the Cotswolds Area of Outstanding Natural Beauty (AONB) and is predominantly rural. The largest settlement here is Painswick, which lies at the heart of these rural parishes. The Cotswolds are world-renowned for their landscape and the pretty limestone villages that populate it. The area includes a number of popular tourist attractions including the Rococco Gardens, Painswick; the village of Slad and the Laurie Lee Wildlife Way; and the Garden at Miserden. But, as with elsewhere in the District, rural life is changing with fewer people now working in the villages and residents commuting long distances to work. There has certainly been a decline in village services in modern times. Housing affordability is an issue – average house prices here are amongst the highest in the District. Owner-occupation levels are high compared to elsewhere in the District, while levels of social housing are very low. A very high proportion of residents are retirement aged. The loss of traditional skills is perhaps the most significant issue for the future management of the landscape. The wooded landscape known collectively as the Cotswold Beechwoods around

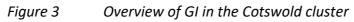
### 2.0 Existing provision of open space and GI

Figure 2 shows the existing open spaces that have been mapped and included within the Cotswold cluster. The map is intended to be indicative – maps by Parish (appendix 1) and a GIS database has been provided to the Council.

Figure 3 provides an overview of the GI network/assets within the Cotswold cluster, and figures 4 to 8 provide a breakdown of the GI by theme, which includes landscape considerations.



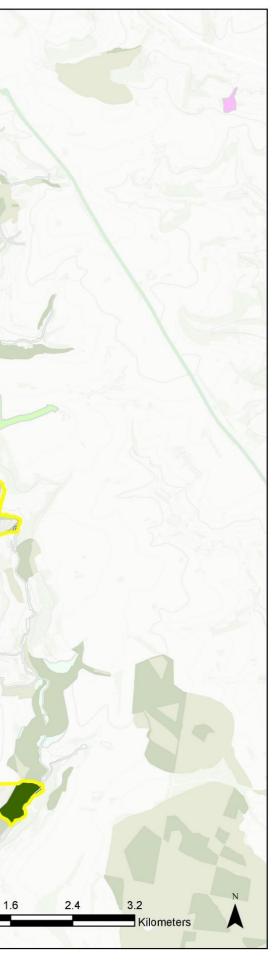




Cotswold **Designated Sites** Key **Designated Sites** Ancient & Semi-Natural Woodland Ancient Replanted Woodland Key Wildlife Sites National Nature Reserves © Natural England Local Nature Reserves (England) © Natural England Special Areas of Conservation (England) © Natural England Special Protection Areas (England) © Natural England Sites of Special Scientific Interest (SSSI) © Natural England RIGS **Historical Sites** Parks and Gardens ethos 0 0.8 © Crown copyright and database rights 2018 Ordnance Survey 100019682

Figure 4

Mapping of GI Network by Theme: Wildlife: Designated Sites



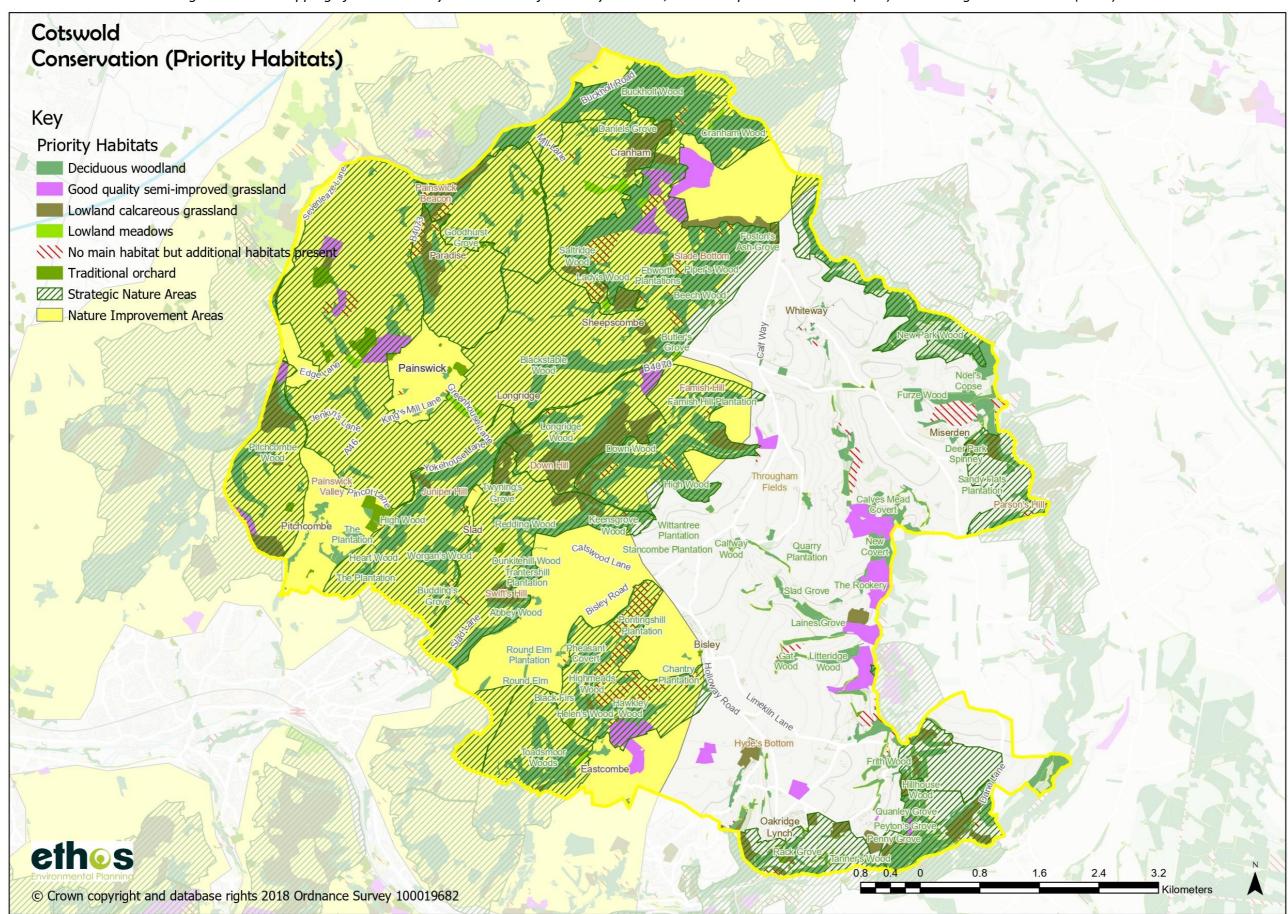
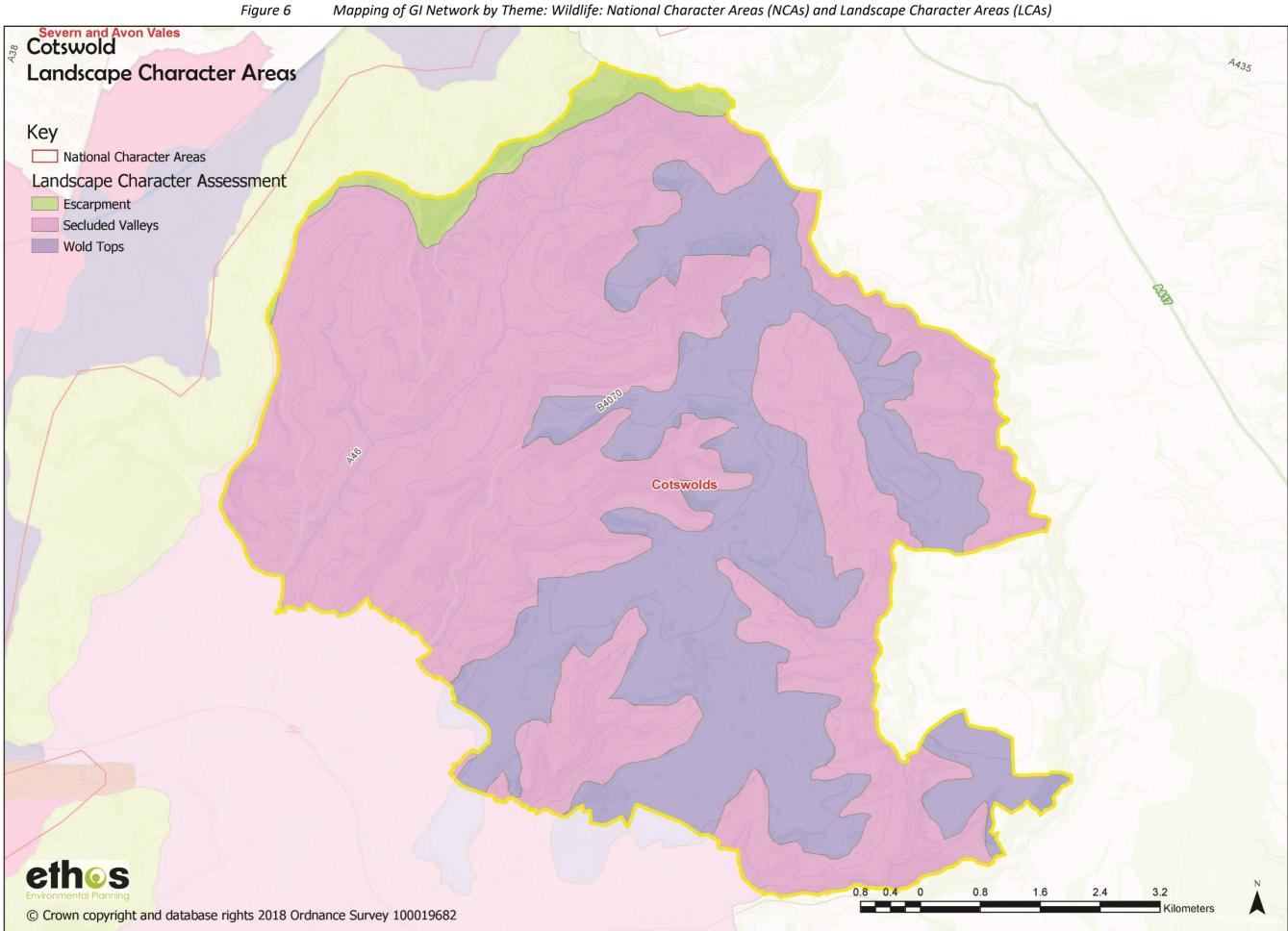


Figure 5 Mapping of GI Network by Theme: Wildlife: Priority Habitats, Nature Improvement Areas (NIAs) and Strategic Nature Areas (SNAs)



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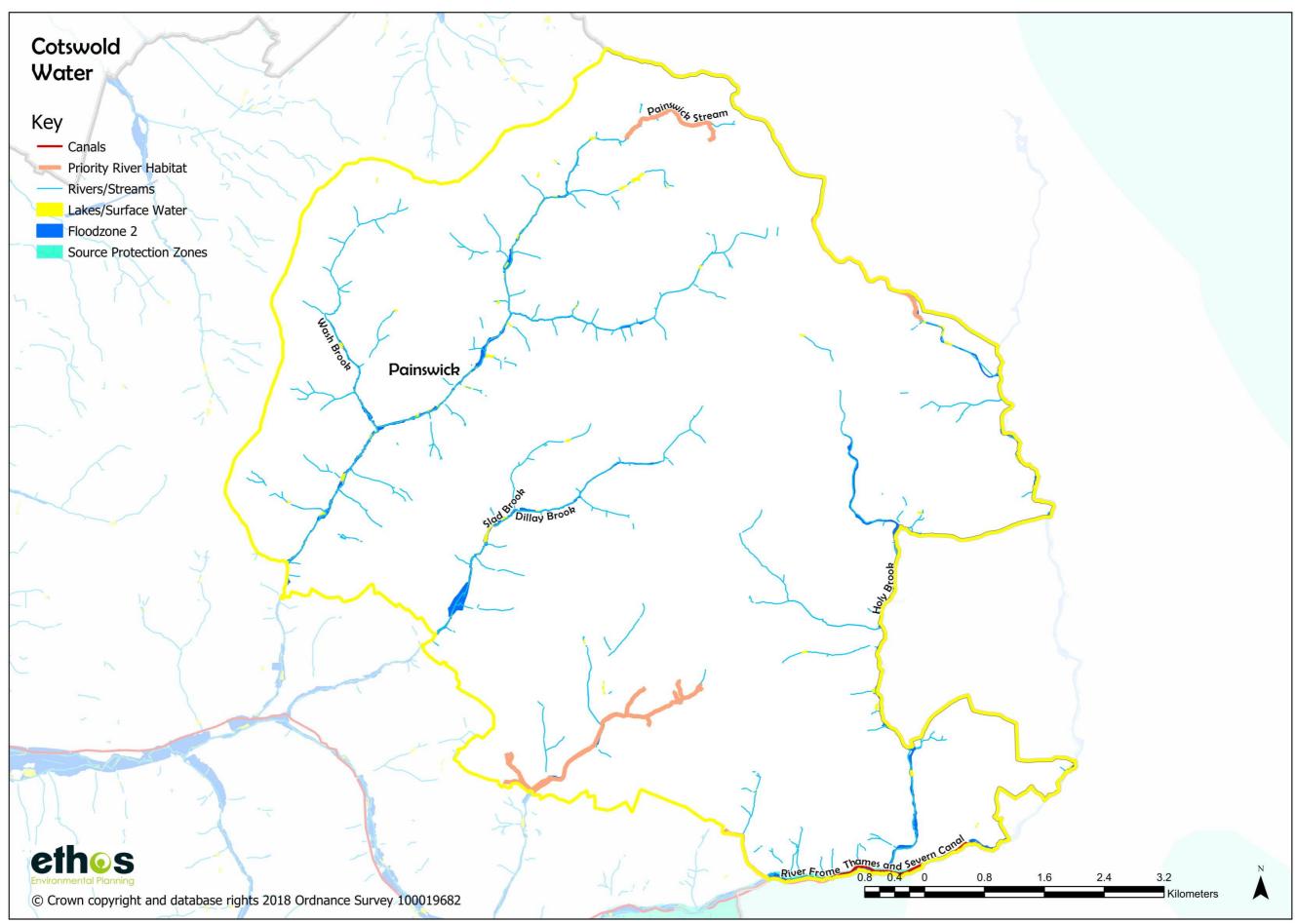
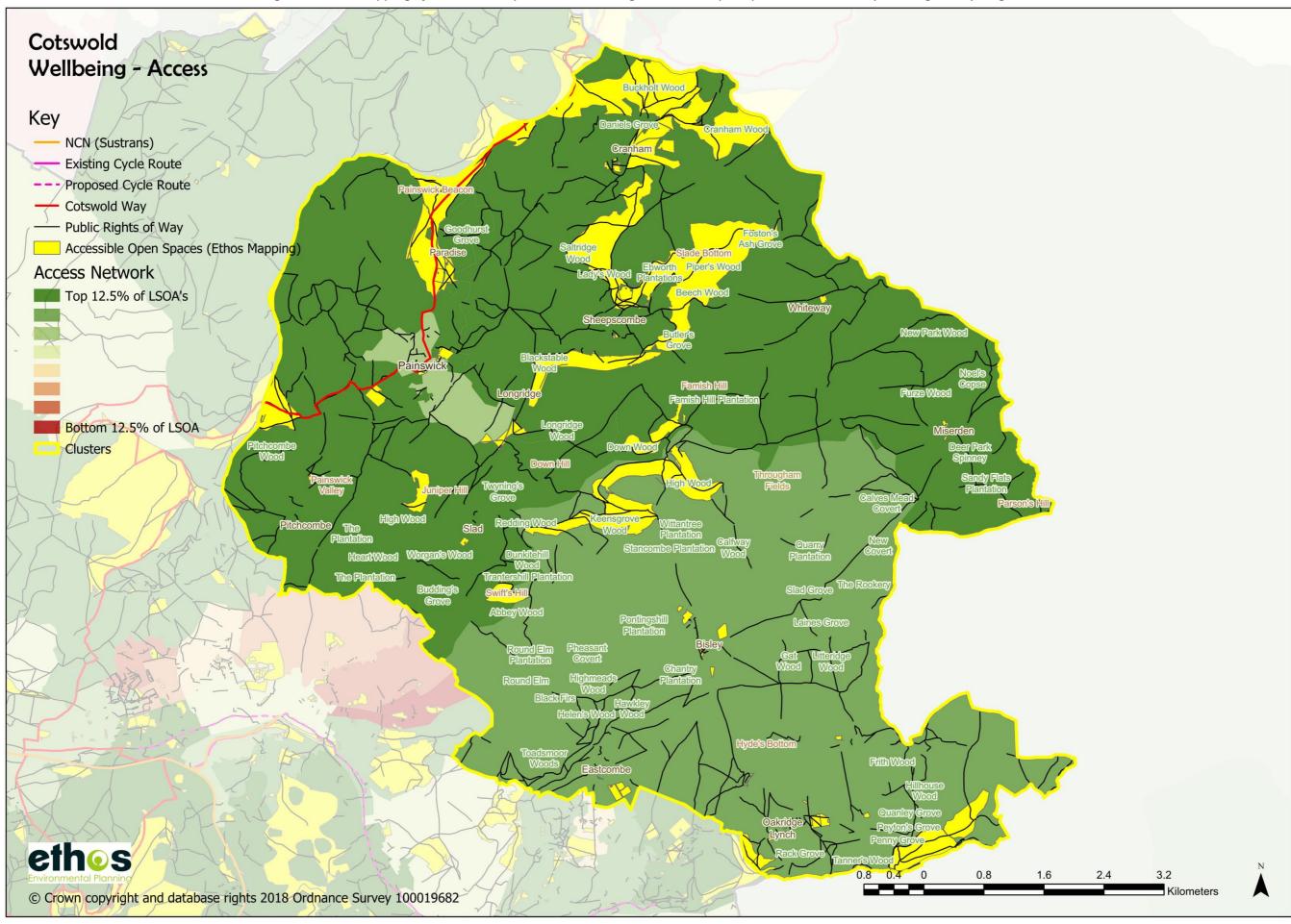


Figure 7 Mapping of GI Network by Theme: Water: Canals, Rivers/Streams, Lakes/Surface Water, Priority River Habitat, Floodzone, Source Protection Zones

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*Figure 8 Mapping of GI Network by Theme: Wellbeing: Accessible open space, PROW and key walking and cycling routes* 

### 3.0 Analysis of existing quantity of open space and GI

#### **Open Space**

Table 1 shows the provision and supply of open space within the Cotswold cluster, using the Stroud quantity standards and ONS 2017 mid year population estimates to assess supply. Figures are provided in hectares and hectares per 1000 population.

The figures for 'Park and Recreation Grounds (Combined)' includes a combination of the following typologies:

- Park and Recreation Ground; and
- Outdoor Sport (Fixed).

Existing quantity figures are also provided for a number of typologies where there are no quantity standards for existing provision, these typologies are:

- Accessible Natural Green Space (existing provision analysed using the ANGSt standards);
- Community orchards;
- Education;
- Churchyards and Cemeteries; and
- Outdoor Sport (Private).

| Provision Provision Provision                    |       | Required<br>Provision<br>(ha) | Required<br>Provision<br>(ha/1000) | Supply<br>(ha) | Supply<br>(ha/1000) | Overall<br>supply |                      |
|--|-------|-------------------------------|------------------------------------|----------------|---------------------|-------------------|----------------------|
| Allotments                                       | 4.98  | 0.76                          | 2.3                                | 0.35           | 2.68                | 0.41              | SUFFICIENT<br>SUPPLY |
| Community<br>Orchards                            | 0.33  | 0.05                          | N/A                                | N/A            | N/A                 | N/A               | N/A                  |
| Amenity<br>Green Space                           | 0.79  | 0.12                          | 2.62                               | 0.4            | -1.83               | -0.28             | UNDER<br>SUPPLY      |
| Parks and<br>Recreation<br>Grounds<br>(Combined) | 10.63 | 1.62                          | 7.87                               | 1.2            | 2.76                | 0.42              | SUFFICIENT<br>SUPPLY |
| Park and<br>Recreation<br>Grounds                | 10.44 | 1.59                          | N/A                                | N/A            | N/A                 | N/A               | N/A                  |
| Outdoor<br>Sport (Fixed)                         | 0.19  | 0.03                          | N/A                                | N/A            | N/A                 | N/A               | N/A                  |
| Play (Child) 0.52                                |       | 0.08                          | 0.39                               | 0.06           | 0.13                | 0.02              | SUFFICIENT<br>SUPPLY |
| Play (Youth)                                     | 0     | 0                             | 0.39                               | 0.06           | -0.39               | -0.06             | UNDER<br>SUPPLY      |

| Table 1 Existing provision | and supply of open spa | ce in the Cotswold cluster |
|----------------------------|------------------------|----------------------------|
|----------------------------|------------------------|----------------------------|

| Accessible  | 672.11 | 102.49 | N/A | N/A | N/A | N/A | N/A |
|-------------|--------|--------|-----|-----|-----|-----|-----|
| Natural     |        |        |     |     |     |     |     |
| Greenspace  |        |        |     |     |     |     |     |
| Education   | 8.13   | 1.24   | N/A | N/A | N/A | N/A | N/A |
| Cemeteries  | 7.17   | 1.09   | N/A | N/A | N/A | N/A | N/A |
| and         |        |        |     |     |     |     |     |
| Churchyards |        |        |     |     |     |     |     |
| Outdoor     | 11.84  | 1.81   | N/A | N/A | N/A | N/A | N/A |
| Sport       |        |        |     |     |     |     |     |
| (Private)   |        |        |     |     |     |     |     |

As can be seen from the table above, within the Cotswold cluster, there is a sufficient supply of allotments, parks and recreation grounds, play (child) against the standards, with shortfalls in amenity green space and play (youth). The total shortfall is 2.22 ha.

GI

The following GI assets have been identified within the Cotswold Cluster:

| Table 2 GI assets                               |           |
|---|-----------|
| Priority Habitats                               | Area (ha) |
| Coastal and floodplain grazing marsh            | 0         |
| Coastal saltmarsh                               | 0         |
| Deciduous woodland                              | 1216.24   |
| Good quality semi-improved grassland            | 174.07    |
| Lowland calcareous grassland                    | 298.45    |
| Lowland dry acid grassland                      | 0         |
| Lowland meadows                                 | 19.39     |
| Mudflats  | 0         |
| No main habitat but additional habitats present | 169.37    |
| Purple moor grass and rush pastures             | 0         |
| Traditional orchard                             | 35.55     |

| Nature conservation, AONB, geology and historic sites | Area (ha)      |
|---|----------------|
| Ancient Woodland                                      | 789.84         |
| KWS   | 510.86         |
| LNR   | 0.18           |
| NNR   | 376.60         |
| RAMSAR  | 0              |
| SAC   | 362.49         |
| SPA   | 0              |
| SSSI  | 565.49         |
| RIGS  | 9 <sup>1</sup> |
| AONB  | 7574.08        |
| Registered Parks                                      | 211.04         |

<sup>&</sup>lt;sup>1</sup> This relates to the number of sites, rather than the area, as the dataset uses points

|  | SAM | 43.74 |
|--|-----|-------|
|--|-----|-------|

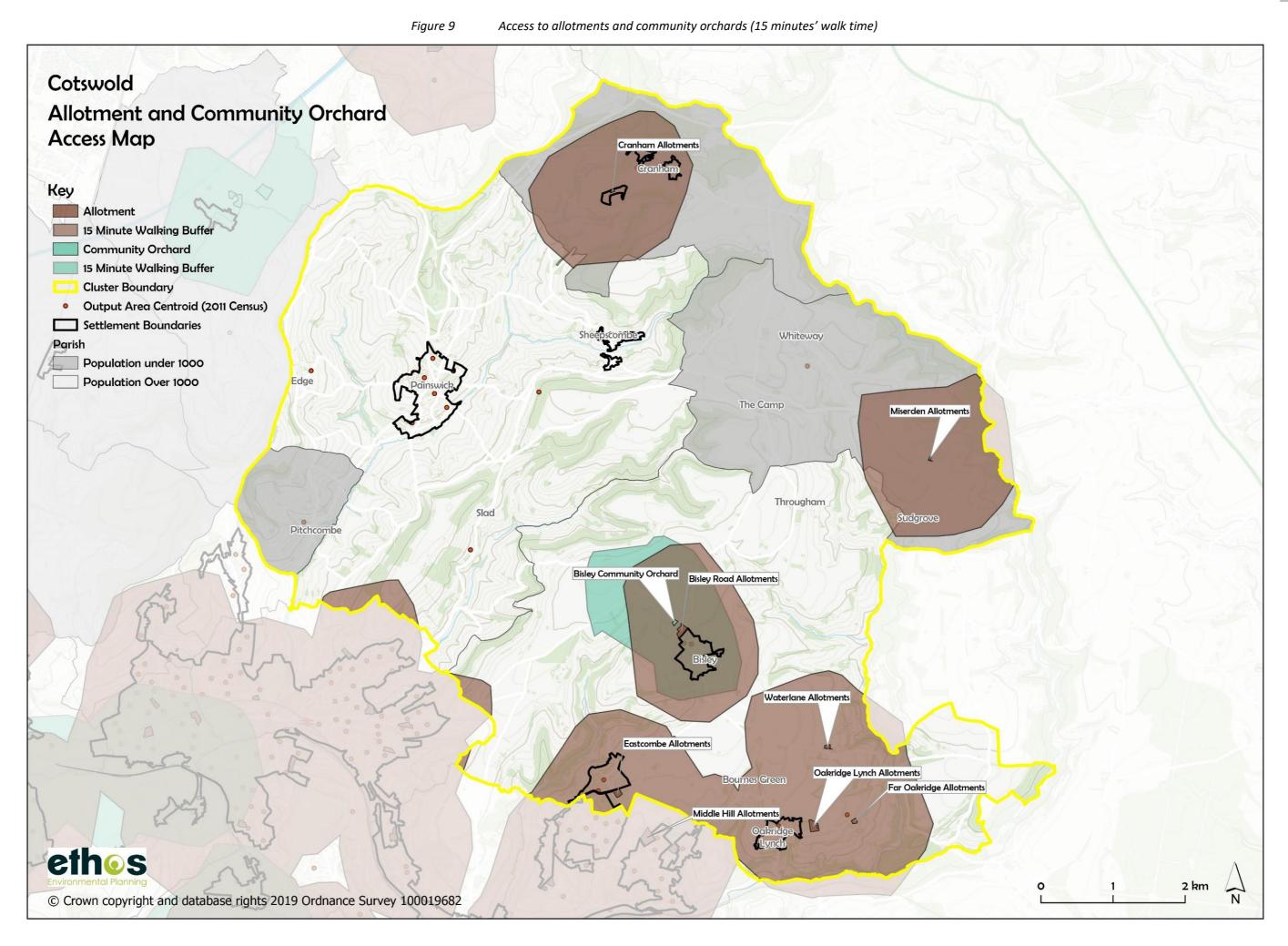
| Rivers and Canals       | Length (m) |
|-------------------------|------------|
| Painswick Stream        | 9972.56    |
| River Frome             | 5024.01    |
| Holy Brook              | 3498.09    |
| Slad Brook              | 2311.81    |
| Wash Brook              | 2302.18    |
| Thames and Severn Canal | 1982.12    |
| Dillay Brook            | 986.30     |

### 4.0 Analysis of existing access to open space and GI

### Open space

This section provides maps showing access to different types of open space across the Cotswold Cluster area using the Stroud access standards (more detail is provided in section 7.3 of the main report (part 1).

These access maps show where the gaps in access are to the different open space typologies (using Census Output Areas and Settlement boundaries) against the access standards, and are to be used in conjunction with the analysis of supply of open space (see table 1) to help identify where the priorities for new open space provision are and also which open spaces should be protected i.e. those spaces that if lost, would create a gap in access.



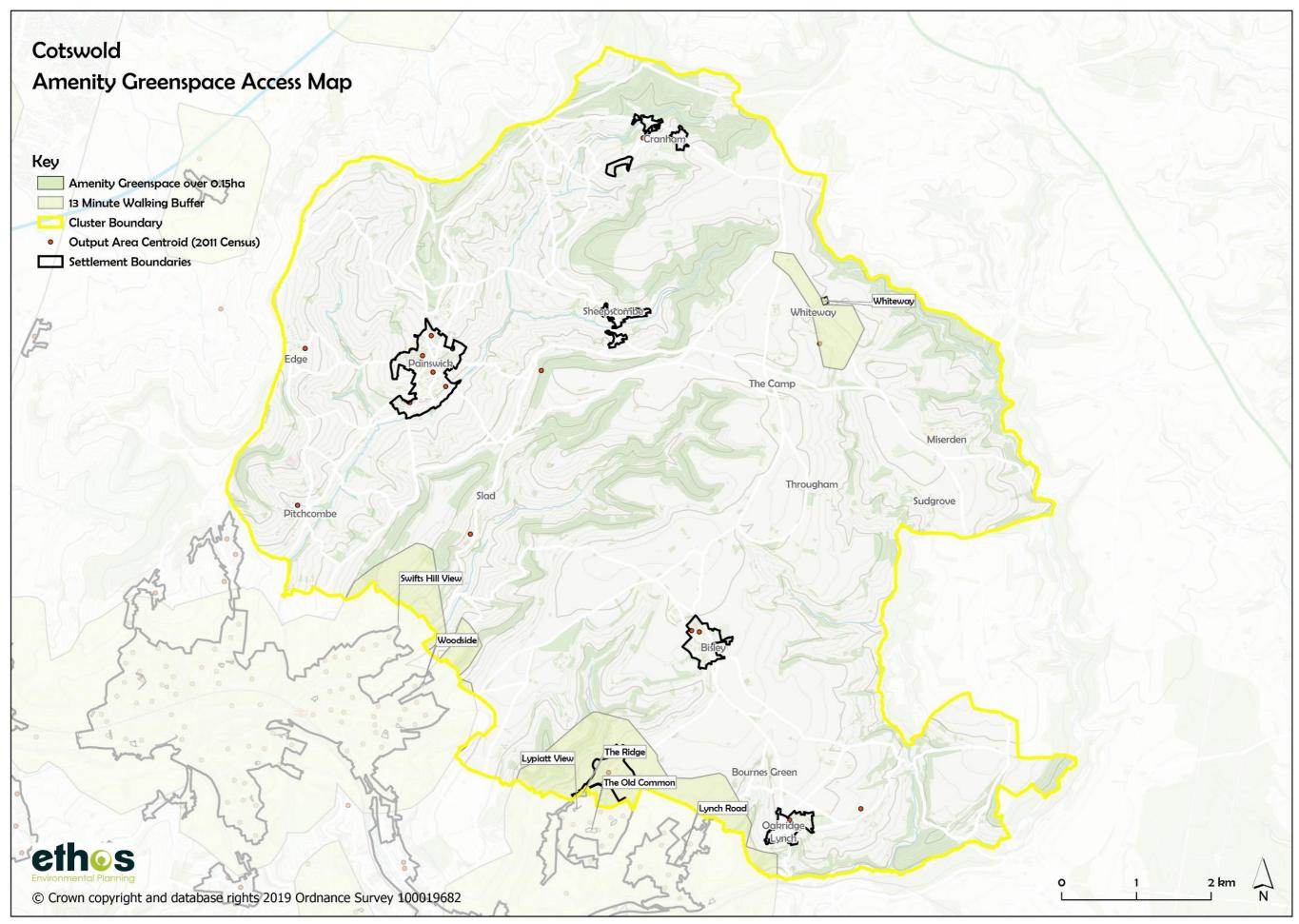
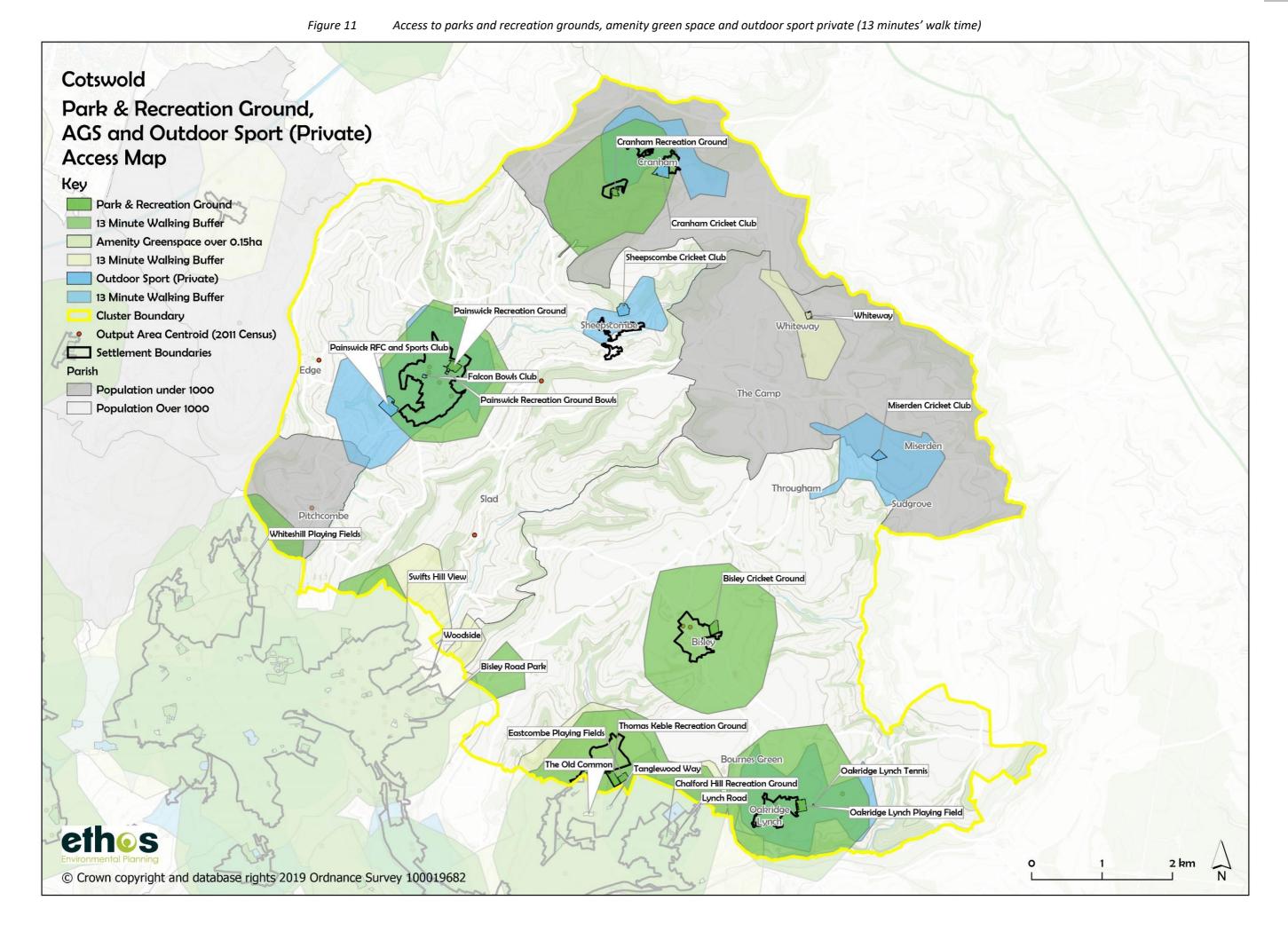
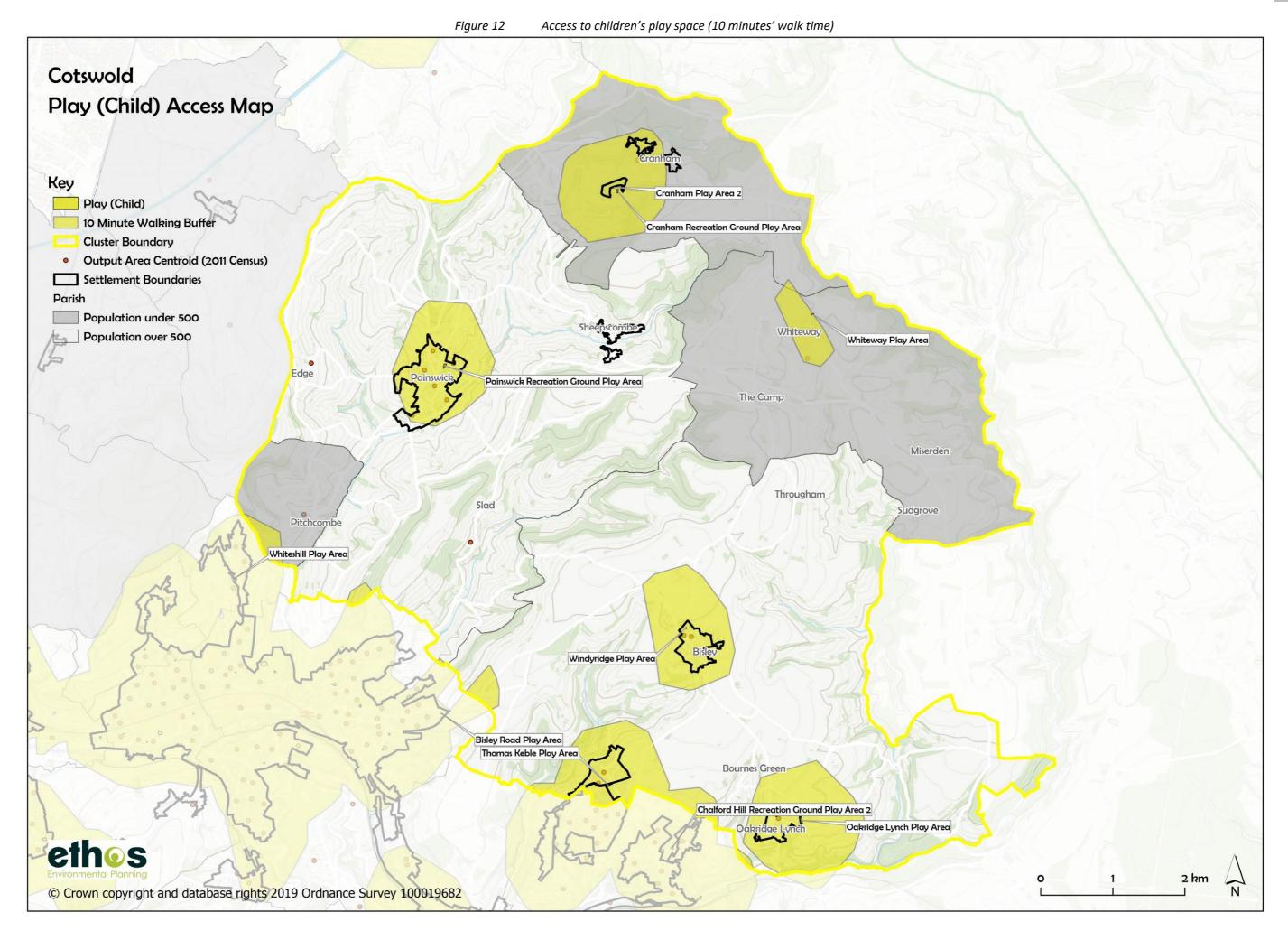


Figure 10 Access to amenity green space (13 minutes' walk time)





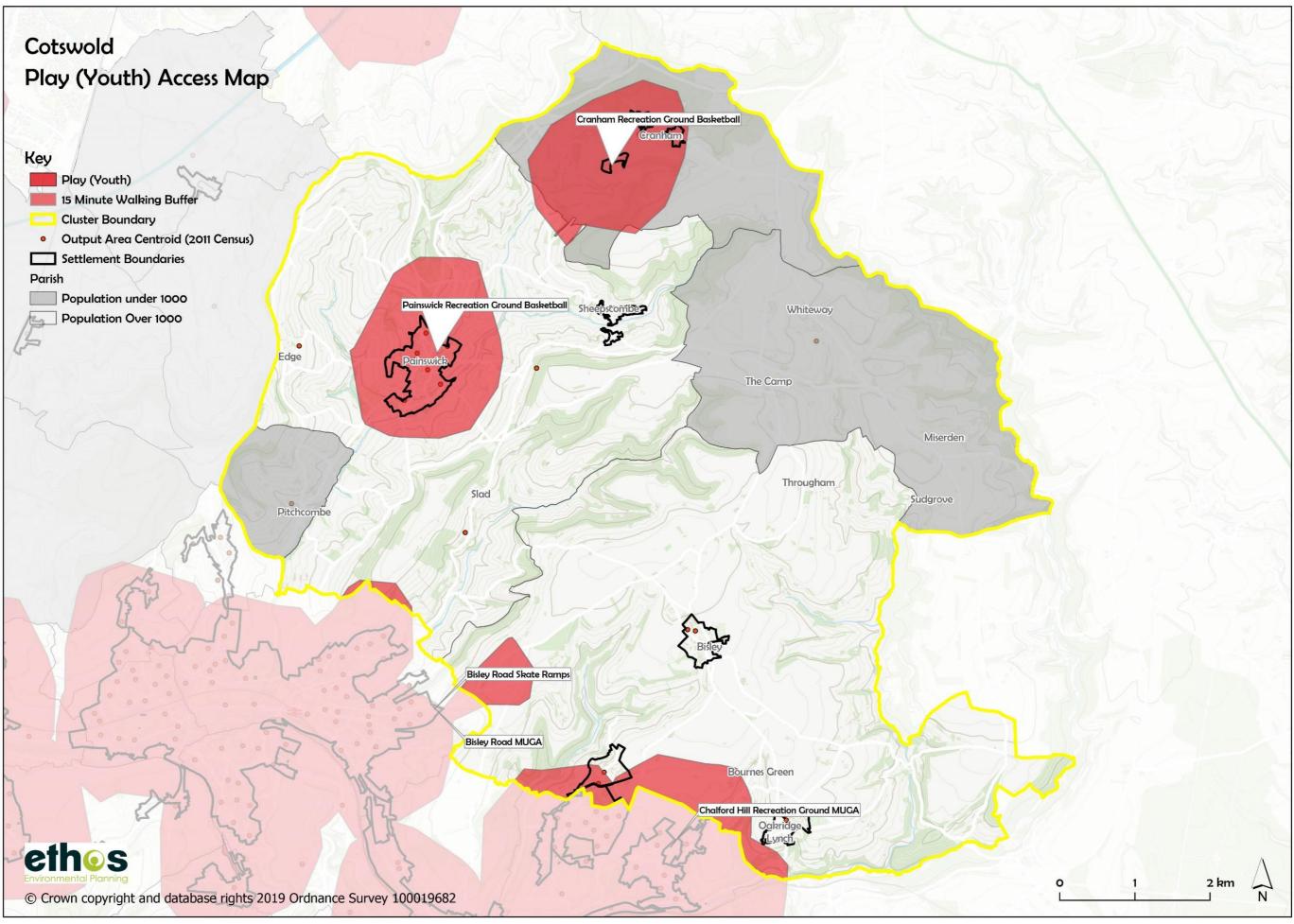
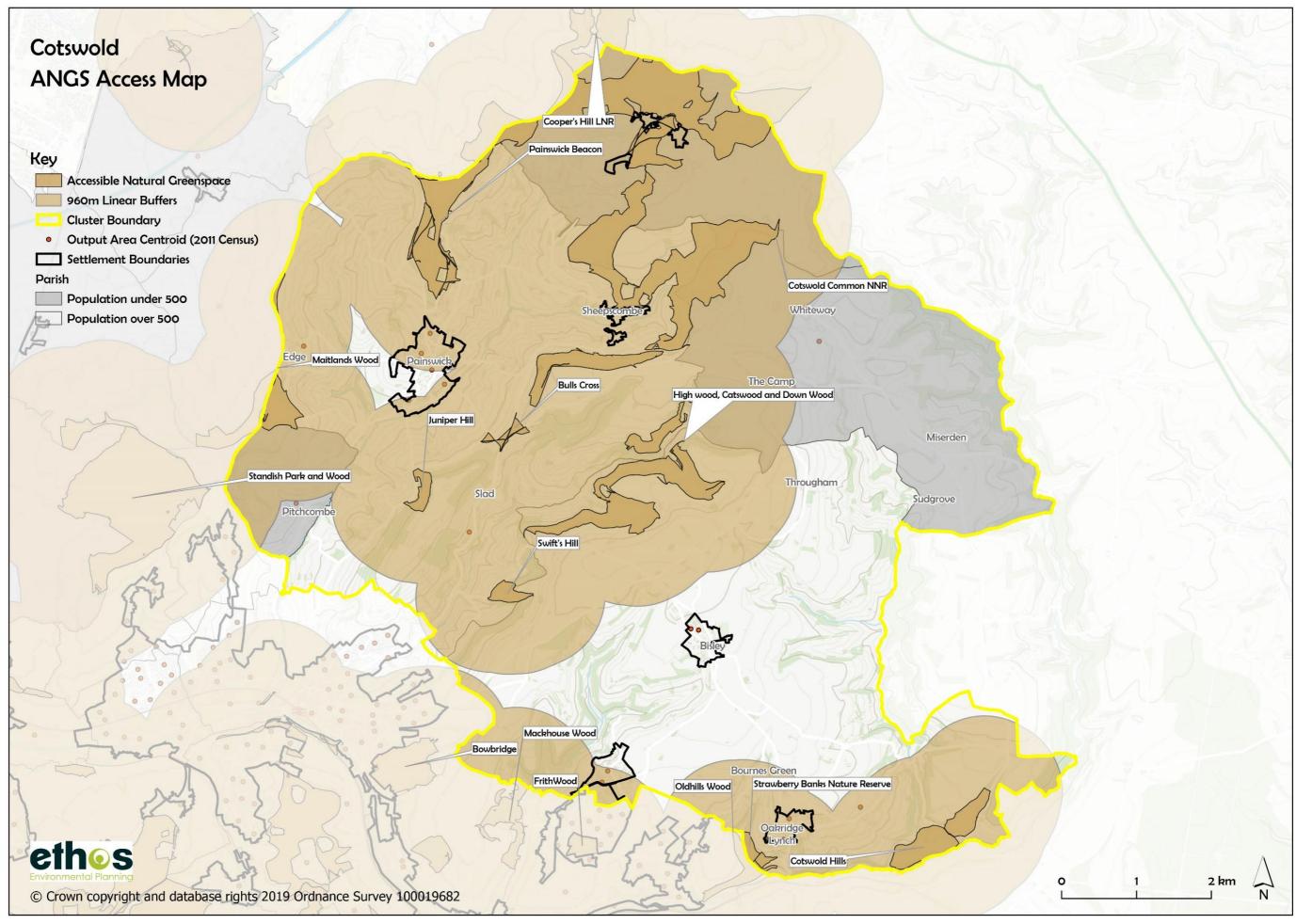
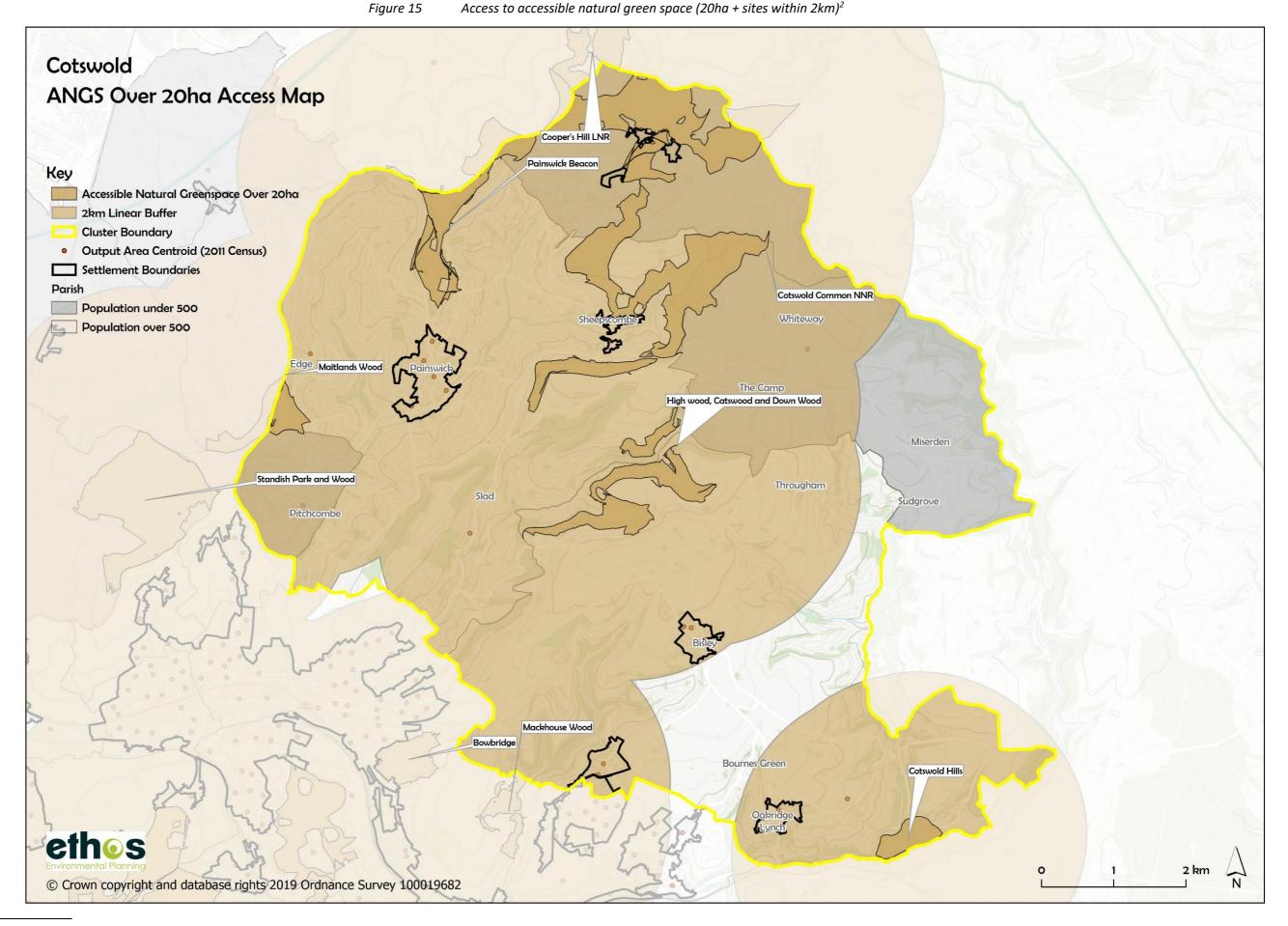


Figure 13 Access to youth play space (15 minutes' walk time)

18

Figure 14 Access to accessible natural green space (960m buffer)





<sup>&</sup>lt;sup>2</sup> As with all of the access maps, the colour of the buffer has been lightened/faded where it falls outside of the cluster. The sites that are buffered are coloured slightly darker than the buffer itself, and in the case of Figures 14, 15 and 16, the buffer slightly changes colour where it overlaps with a greyed out parish (a parish with less than 500 people), due to its transparency.

*Figure 16* Access to accessible natural green space (100ha + sites within 5km)

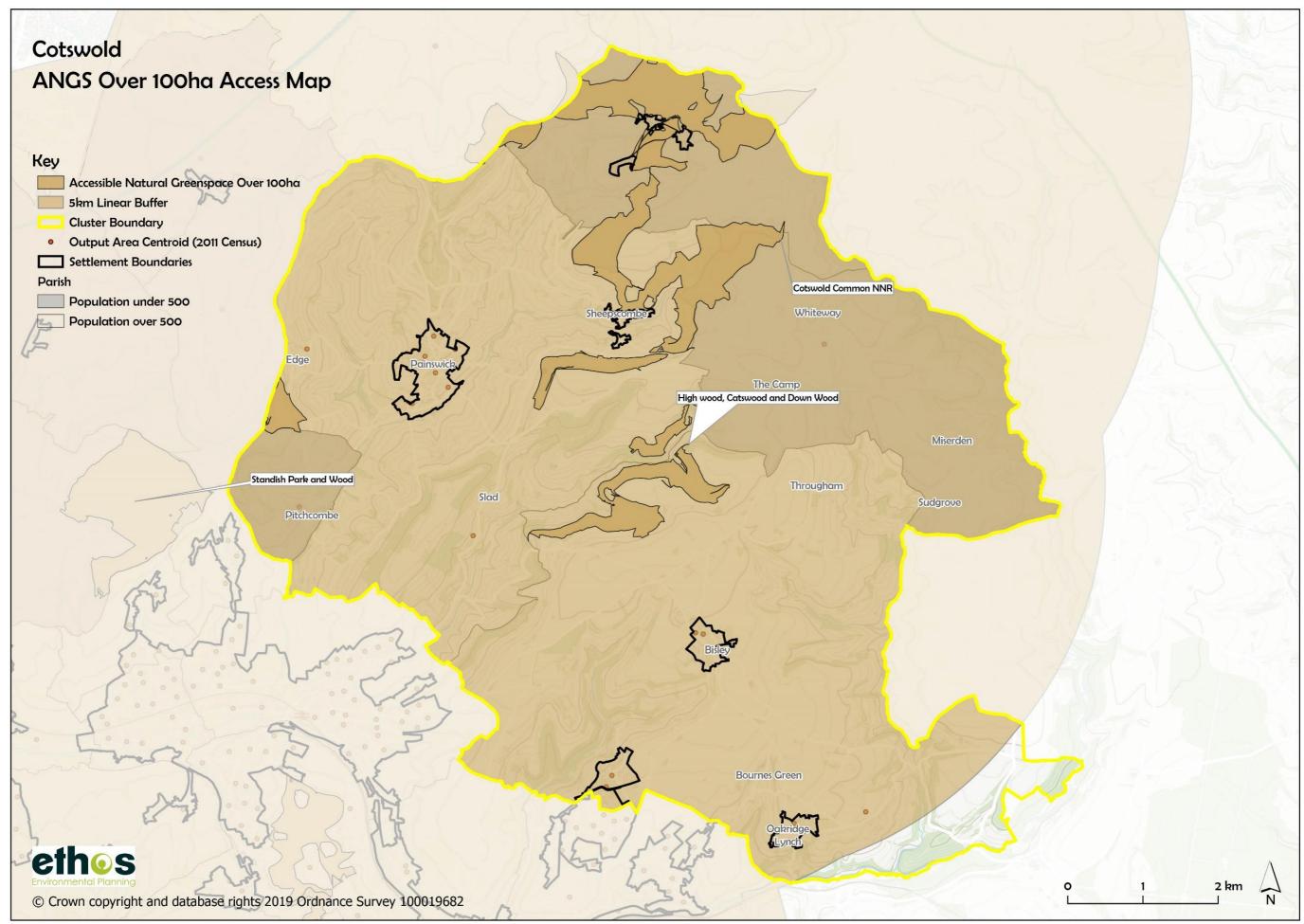


Table 3 below summarises the access maps provided at figures 9 to 16, highlighting any gaps or access issues.

| Typology              | Current Access  |  |  |  |
|-----------------------|---|--|--|--|
| Allotments and        | There is only one community orchard but several allotments          |  |  |  |
| community orchards    | across the cluster. However, there is a large gap in access in      |  |  |  |
|                       | Painswick, and also Sheepscombe.                                    |  |  |  |
| Amenity Green Space   | Access is poor across the cluster with a very small proportion      |  |  |  |
|                       | having access to amenity green space. All of the settlements        |  |  |  |
|                       | have a lack of access except for Eastcombe.                         |  |  |  |
| Parks and Recreation  | Generally good across the cluster to parks and recreation           |  |  |  |
| Grounds               | grounds, although access in Sheepscombe is provided by a            |  |  |  |
|                       | private outdoor sports space.                                       |  |  |  |
| Children's play space | Access is generally good across the cluster, although there is a    |  |  |  |
|                       | gap in access in Sheepscombe.                                       |  |  |  |
| Youth Play space      | There are only 3 play youth facilities across the cluster resulting |  |  |  |
|                       | in a lack of access to facilities. Bisley, Sheepscombe and          |  |  |  |
|                       | Oakridge Lynch all have gaps in access.                             |  |  |  |
| Accessible Natural    | Good access against the 960m across the majority of the cluster,    |  |  |  |
| Green Space           | although there is a gap in Bisley. Good access against ANGSt        |  |  |  |
|                       | standards 20+ha sites and 100+ha sites.                             |  |  |  |

Table 3Summary of existing open space access issues for the Cotswold cluster

### GI

Figure 8 (section 2) shows the PROW network and key walking and cycling routes.

As can be seen, there is good provision of PROWs across the cluster which link accessible open spaces. The Cotswold Way runs through the western side of the cluster. Within the southern part of the cluster, the PRoW network appears to be more fragmented. There are no existing or proposed cycle routes within the cluster

When analysing access against the Natural England Access Network Mapping (also see figure 8), it shows that the area has a good relative abundance of accessible land. There are limitations with this data as explained in section 7.6.2 of the main report (part 1).

### 5.0 Open Space and GI Quality Assessment

#### Quality audit results

Figure 17 provides a summary of the quality audit results for the Cotswold cluster. As can be seen, all open spaces were assessed as being good quality (with a score of A).

Figure 18 illustrates how each open space scores in relation to it's quality in terms of it's contribution to GI against the 3 themes – wellbeing, water and wildlife. As can be seen from the figure below, all sites scored highly in terms of their contribution to GI.

A summary of the quality and GI audit results from the Cotswold cluster is provided in table 4 below.

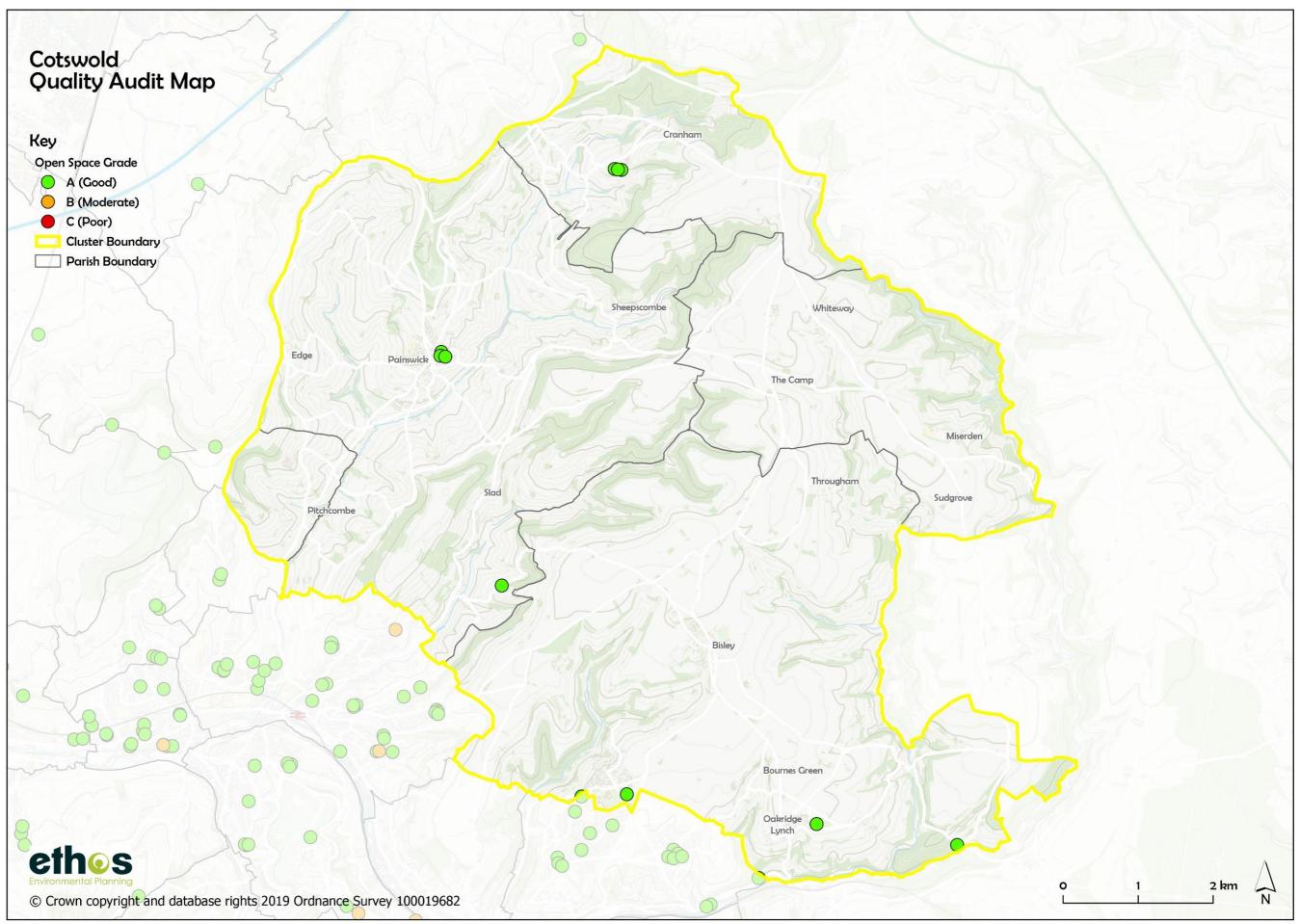
## Table 4Quality audit results

| able 4 |            | lty duait result      |   |                            |                         |             | Open  |          |          |
|--------|------------|-----------------------|---|----------------------------|-------------------------|-------------|-------|----------|----------|
| Site   |            |                       |   |                            |                         | Open Space  | Space | GI Total |          |
| ID     | Site Name  | Typology              | Description of Site                               | Open Space Suggestions     | GI Suggestions          | Total Score | Grade | Score    | GI Grade |
|        |            |                       | Two nature reserves with                          |                            |                         |             |       |          |          |
|        |            |                       | gated entrances and good                          |                            |                         |             |       |          |          |
|        |            |                       | signage. One was more                             |                            |                         |             |       |          |          |
|        |            |                       | open and tussocky whilst                          |                            |                         |             |       |          |          |
|        |            | Accessible            | the other was a woodland.                         | Include a parking area     |                         |             |       |          |          |
|        | Cotswold   | Natural               | No clear access for visitors                      | for visitors within        |                         |             |       |          |          |
| 2185   | Hills      | Greenspace            | via parking.                                      | walking distance.          | None.                   | 80          | А     | 10       | A        |
|        |            |                       |   |                            |                         |             |       |          |          |
|        |            |                       | Woodland with a network                           |                            |                         |             |       |          |          |
|        |            | Assasible             | of paths, good signage at                         |                            |                         |             |       |          |          |
|        | Oldhills   | Accessible<br>Natural | main entrance, accessed<br>via narrow lane with   |                            |                         |             |       |          |          |
| 3829   | Wood       | Greenspace            | limited parking.                                  | None.                      | None.                   | 78.89       | А     | 8.33     | А        |
| 3025   | Wood       | Greenspace            | Large woodland with a                             | Add signage at the car     | None.                   | 78.85       | ^     | 0.55     | ~        |
|        |            |                       | vast network of footpaths                         | parks to show suitable     |                         |             |       |          |          |
|        |            |                       | and nature trails. Signage                        | routes through the         |                         |             |       |          |          |
|        |            | Accessible            | showing rights of way are                         | woodland, can be           |                         |             |       |          |          |
|        |            | Natural               | scattered throughout the                          | disorientating. Add dog    |                         |             |       |          |          |
| 3831   | Cooper     | Greenspace            | site.   | waste bins.                | None.                   | 83          | А     | 9.33     | А        |
|        |            | Accessible            | Nature reserve. No                                | Add better signage and     |                         |             |       |          |          |
|        |            | Natural               | parking on site and                               | parking nearby to make     |                         |             |       |          |          |
| 4279   | Swift      | Greenspace            | difficult to access.                              | the site easier to access. | None.                   | 78          | А     | 8        | А        |
|        |            |                       | Village park with play                            |                            |                         |             |       |          |          |
|        |            |                       | areas, football goals,                            |                            |                         |             |       |          |          |
|        |            |                       | basketball and outdoor                            |                            |                         |             |       |          |          |
|        |            |                       | gym equipment. The site<br>is well managed and in |                            | Could include more      |             |       |          |          |
|        | Painswick  | Parks and             | good condition with bins,                         |                            | tree and flora planting |             |       |          |          |
|        | Recreation | Recreation            | benches and signage                               |                            | along the site          |             |       |          |          |
| 1837   | Ground     | Grounds               | provided.   | None.                      | perimeter.              | 87          | А     | 9        | А        |
|        |            |                       | Large recreation ground                           | -                          |                         | 5.          |       |          |          |
|        |            |                       | with an outdoor gym,                              | Could include footpaths    | Could include tree      |             |       |          |          |
|        |            |                       | football pitch, play                              | to play areas, or a        | planting to enhance     |             |       |          |          |
|        | Cranham    | Parks and             | equipment and tennis                              | perimeter path to access   | the site for wildlife   |             |       |          |          |
|        | Recreation | Recreation            | courts. The site a village                        | facilities during damper   | and to support flood    |             |       |          |          |
| 2029   | Ground     | Grounds               | park and is well managed                          | condition.                 | management.             | 83          | А     | 8.67     | А        |

| Site       |               |              |                              |                           |                        | Open Space  | Open<br>Space | GI Total |          |
|------------|---------------|--------------|------------------------------|---------------------------|------------------------|-------------|---------------|----------|----------|
| ID         | Site Name     | Typology     | Description of Site          | Open Space Suggestions    | GI Suggestions         | Total Score | Grade         | Score    | GI Grade |
|            |               |              | with bins and benches        |                           |                        |             |               |          |          |
|            |               |              | provided. Good habitat       |                           |                        |             |               |          |          |
|            |               |              | management.                  |                           |                        |             |               |          |          |
|            |               |              | Large playing field with a   |                           |                        |             |               |          |          |
|            |               |              | play area and a cricket      |                           | The sites fringe       |             |               |          |          |
|            |               |              | green. A pavilion and a car  |                           | habitat had good       |             |               |          |          |
|            |               |              | park were also present.      |                           | biodiversity. However, |             |               |          |          |
|            | Oakridge      | Parks and    | The site is well managed     | Space for more facilities | there is room for      |             |               |          |          |
|            | Lynch         | Recreation   | with the grassland cut       | such as further play or   | further tree planting  |             |               |          |          |
| 2175       | Playing Field | Grounds      | short and bins provided.     | youth provision.          | to enhance the site.   | 85          | А             | 8.33     | А        |
|            |               |              |                              | Entrance point and        |                        |             |               |          |          |
|            |               |              |                              | fencing could be          |                        |             |               |          |          |
|            |               |              |                              | improved, goal posts are  |                        |             |               |          |          |
|            |               |              |                              | rusted and need           |                        |             |               |          |          |
|            |               |              |                              | repainting. Install       |                        |             |               |          |          |
|            |               |              | Amenity grass dominated      | welcome signage and       |                        |             |               |          |          |
|            | Eastcombe     | Parks and    | by football pitch,           | benches. introduce tall   | Introduce tall         |             |               |          |          |
|            | Playing       | Recreation   | bordered by mature trees,    | grass/wildflower          | grass/wildflower       |             |               |          |          |
| 2208       | Fields        | Grounds      | and road/allotments.         | margins.                  | margins.               | 71          | А             | 7        | В        |
|            |               |              | Large play area with a       |                           |                        |             |               |          |          |
|            |               |              | wide range of equipment      |                           |                        |             |               |          |          |
|            | Painswick     |              | suitable for children of all |                           |                        |             |               |          |          |
|            | Recreation    |              | ages. equipment is well      |                           |                        |             |               |          |          |
|            | Ground Play   |              | used and in good             |                           |                        |             |               |          |          |
| 1835       | Area          | Play (Child) | condition.                   | None.                     | None.                  | 83          | А             | 9        | А        |
|            |               |              | Play area comprising         |                           |                        |             |               |          |          |
|            |               |              | wooden equipment             |                           |                        |             |               |          |          |
|            | Cranham       |              | suitable mainly for older    |                           |                        |             |               |          |          |
|            | Recreation    |              | children. The equipment is   |                           |                        |             |               |          |          |
|            | Ground Play   |              | in good condition and well   |                           |                        |             |               |          |          |
| 2027       | Area          | Play (Child) | used.                        | None.                     | None.                  | 82          | А             | 8.67     | А        |
|            |               |              |                              |                           | The sites fringe       |             |               |          |          |
|            |               |              | Large playing field with a   |                           | habitat had good       |             |               |          |          |
|            |               |              | play area and a cricket      | Space for more facilities | biodiversity. However  |             |               |          |          |
|            | Oakridge      |              | green. A pavilion and a car  | such as further play or   | there is room for      |             |               |          |          |
| <b>-</b> / | Lynch         |              | park were also present.      | youth provision.          | further tree planting  | _           |               |          |          |
| 2175       | Playing Field | Play (Child) | The site is well managed     |                           | to enhance the site.   | 85          | А             | 8.33     | А        |

| Site<br>ID | Site Name                                       | Туроlоду     | Description of Site   | Open Space Suggestions               | GI Suggestions | Open Space<br>Total Score | Open<br>Space<br>Grade | GI Total<br>Score | GI Grade |
|------------|---|--------------|---|--------------------------------------|----------------|---------------------------|------------------------|-------------------|----------|
|            |   |              | with the grassland cut short and bins provided.                                       |                                      |                |                           |                        |                   |          |
| 1836       | Painswick<br>Recreation<br>Ground<br>Basketball | Play (Youth) | Single basketball hoop<br>with a patch of hard<br>standing. Decent<br>condition.      | Could enlarge the space into a MUGA. | None.          | 83                        | A                      | N/A               | N/A      |
| 2028       | Cranham<br>Recreation<br>Ground<br>Basketball   | Play (Youth) | Single basketball hoop<br>with section of hard<br>standing in excellent<br>condition. | Could enlarge the space into a MUGA. | None.          | 83                        | A                      | N/A               | N/A      |

Figure 17 Summary of open space quality audit results in Cotswold cluster



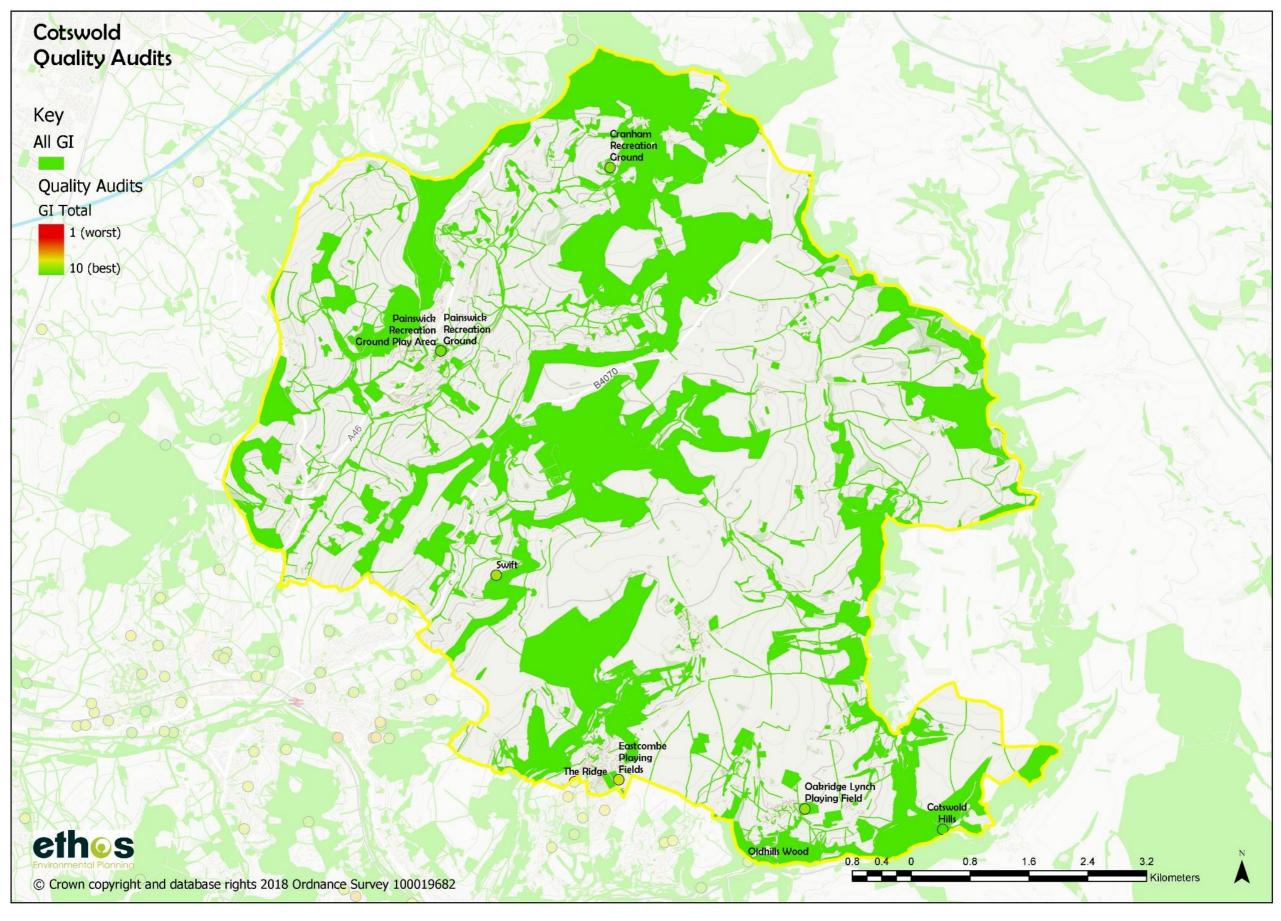
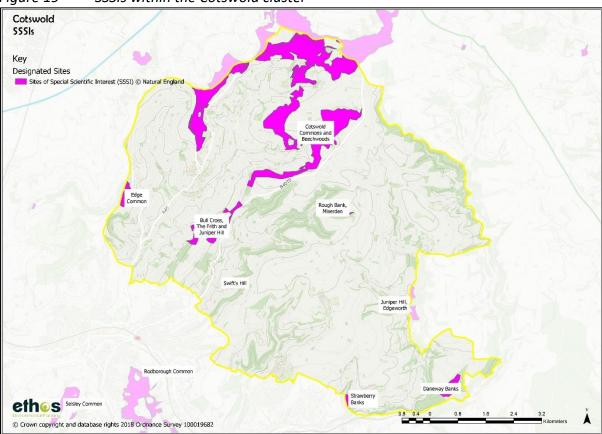


Figure 18 Summary of open space GI quality scores

#### **Condition of SSSIs**

In addition to the audits of open space, a desktop audit of the quality of designated sites/GI within the Cluster has also been undertaken. The following table shows the condition summary (as of February 2019) of SSSIs within the cluster. As can be seen, five of the SSSIs Daneway Banks, Edge Common, Rough Bank, Strawberry Banks and Swift's Hill are in favourable condition, although there is scope to improve the condition of Bull Cross, The Firth and Juniper Hill, Cotswold Commons and Beechwoods and Juniper Hill SSSI.



*Figure 19* SSSIs within the Cotswold cluster

| Table 5 | Condition su | mmary o | f SSSI's sites | within the | Cotswold clu | ister |
|---------|--------------|---------|----------------|------------|--------------|-------|
|         |              |         |                |            |              |       |

| Site Name                                       | Designation | Size<br>(ha) | Description/features of interest   | Condition summary   |
|---|-------------|--------------|--|---|
| Bull Cross,<br>The Firth<br>and Juniper<br>Hill | SSSI        | 40.68        | Part registered as Common Land<br>and part managed by the<br>Gloucestershire Trust for Nature<br>Conversation, this site it situated<br>with the AONB. This is a diverse area<br>of ancient beech woodland,<br>unimproved grassland, scrub and<br>disused quarries. The wood thrives<br>in rich fungi and has a large colony<br>of lapidary snail. The semi-natural<br>grassland is abundant with orchids<br>including the uncommon musk | 63.88% Favourable.<br>13.09%<br>Unfavourable –<br>recovering.<br>23.04%<br>Unfavourable – no<br>change. |

| Site Name                                | Designation | Size<br>(ha) | Description/features of interest  | Condition summary   |
|--|-------------|--------------|---|---|
|  |             |              | orchid. Firth Quarry is an important<br>national geological site for its<br>exposures of Middle Jurassic rocks.   |   |
| Cotswold<br>Commons<br>and<br>Beechwoods | SSSI        | 463.40       | This site includes the Cotswold<br>Commons and Beechwoods<br>National Nature Reserve, and<br>Cooper's Hill Local Nature Reserve.<br>Part of the site is Common land and<br>part owned by the National Trust.<br>The site comprises of ancient beech<br>woodland and unimproved<br>grassland, the woodlands are<br>amongst the most diverse and<br>species-rich of their type while the<br>grassland typify the unimproved<br>calcaerous pastures. | 44.17% Favourable.<br>55.83%<br>Unfavourable –<br>recovering. |
| Daneway<br>Banks                         | SSSI        | 16.93        | Managed by the Gloucestershire<br>Trust for Nature Conservation, this<br>site has species-rich unimproved<br>grassland on calcareous and neutral<br>soils of one of the small Cotswold<br>valleys. A range of herbaceous<br>plants are present including<br>nationally rare cut-leaved<br>germander and mountain bedstraw.  | 100% Favourable.  |
| Edge<br>Common                           | SSSI        | 20.62        | An unimproved Jurassic limestone<br>grassland site representing the<br>formerly widespread habitat of the<br>Cotswolds. A rich assemblage of<br>plants existing which is one of the<br>best for butterflies in the Cotswolds.   | 100% Favourable.  |
| Juniper Hill                             | SSSI        | 0.70         | Split into two sections representing<br>areas of calcareous scrub habitat<br>dominated by Juniper. It is one of<br>the few sites in the Cotswold to<br>have Juniper. There are specimens<br>of over 100 years old recorded.<br>However, many are dying with no<br>signs of regeneration.  | 100% Unfavourable<br>– no change.                             |

| Site Name           | Designation | Size<br>(ha) | Description/features of interest  | Condition summary |
|---------------------|-------------|--------------|---|-------------------|
| Rough Bank          | SSSI        | 9.25         | One of the best examples of ancient<br>herb-rich pasture remaining in the<br>Cotswolds. Characterised by an<br>abundance of upright bone, tor<br>grass and sheep's fescue and a large<br>amount of orchid species. The<br>richness of the grassland is also<br>reflected in the diversity of<br>invertebrates including butterflies,<br>snails and woodlouse.   | 100% Favourable.  |
| Strawberry<br>Banks | SSSI        | 5.03         | This site consists of two unimproved<br>limestone grassland pastures<br>divided by scrub and trees and a<br>small stream. The grassland is<br>species rich supporting exceptional<br>orchid flora. It has also supported a<br>breeding colony of marsh fritillary<br>butterfly for at least two decades<br>which is nationally scare in Britain. It<br>also has a strong invertebrate<br>interest including the rare oil beetle.                    | 100% Favourable.  |
| Swift's Hill        | SSSI        | 9.52         | Unimproved calcareous grassland<br>overlying the Jurassic limestone of<br>the Cotswolds. The site has a wide<br>range of herbaceous plants<br>including fifteen species of orchid,<br>along with twenty-nine species of<br>butterfly and the rare dew moth.<br>The north end of the site is a quarry<br>which has exposed Middle Jurassic<br>strata - this has made it a key<br>Cotswold locality for geological<br>studies of the Middle Jurassic. | 100% Favourable.  |

#### Natural England National Habitat Network Mapping

The Natural England National Habitat Network mapping also indicates that the is 'restorable habitat' within the Berkeley cluster - areas of semi-natural habitat where the primary habitat is present in a degraded or fragmented form and which are likely to be suitable for restoration.

See main report (part 1), section 7.6, figure 25 for overview map.

### 6.0 Future need for open space and GI corridors and opportunities

#### **Open Space**

The table below shows the quantity requirements for open space provision from the predicted population growth resulting from housing development within the Cotswold cluster. An explanation of how these growth figures have been calculated is provided in section 7.2.2 of the main report (part 1).

Table 6Open space requirements from new development within the Cotswold cluster(up to 2040)

| Туроlоду                   | Standard for new provision (Ha/1000) | Requirement for 217 people (Ha) |  |  |  |
|----------------------------|--------------------------------------|---------------------------------|--|--|--|
| Allotments                 | 0.35                                 | 0.08                            |  |  |  |
| Community Orchards         | 0.15                                 | 0.03                            |  |  |  |
| Amenity Green Space        | 0.40                                 | 0.09                            |  |  |  |
| Park and Recreation Ground | 1.20                                 | 0.26                            |  |  |  |
| Play Space (Children)      | 0.06                                 | 0.01                            |  |  |  |
| Play Space (Youth)         | 0.06                                 | 0.01                            |  |  |  |
| Natural Green Space        | 1.00                                 | 0.22                            |  |  |  |
| Total                      | 3.22                                 | 0.70                            |  |  |  |

#### GI

The figure below shows the key GI corridors within the cluster, and key opportunities for enhancing the network in terms of connectivity (both for biodiversity/wildlife corridors and access for people). Improvements in terms of quality/functionality of GI are considered in section 5.

As can be seen from figure 20, the key GI corridors are the strategic GI corridor as identified by the GLNP (shown in yellow), which corresponds with the AONB/Nature Improvement Areas/Strategic Nature Areas. In addition to this, the following district GI corridors have been identified:

E) River Frome and Thames and Severn Canal east from Stroud through Ancient Woodlands and Key Wildlife Sites.

G) Standish Park/Wood to Cotswold Commons and Beechwoods through woodland

Opportunities for enhancing the connectivity of the network have also been identified as follows:

8. Connect Keensgrove Wood and Catswood KWS (ancient woodland) to Lypiatt Park, this is a Potential Network Join identified by Natural England.

9. Strengthen connectivity of deciduous woodland (priority habitat).

#### **Strategic Site Allocations**

There are no site allocations within this cluster.

#### **Emerging Local Plan**

The Local Plan Review Emerging Strategy (2018) sets out the following priorities and draft vision for the Cotswold cluster:

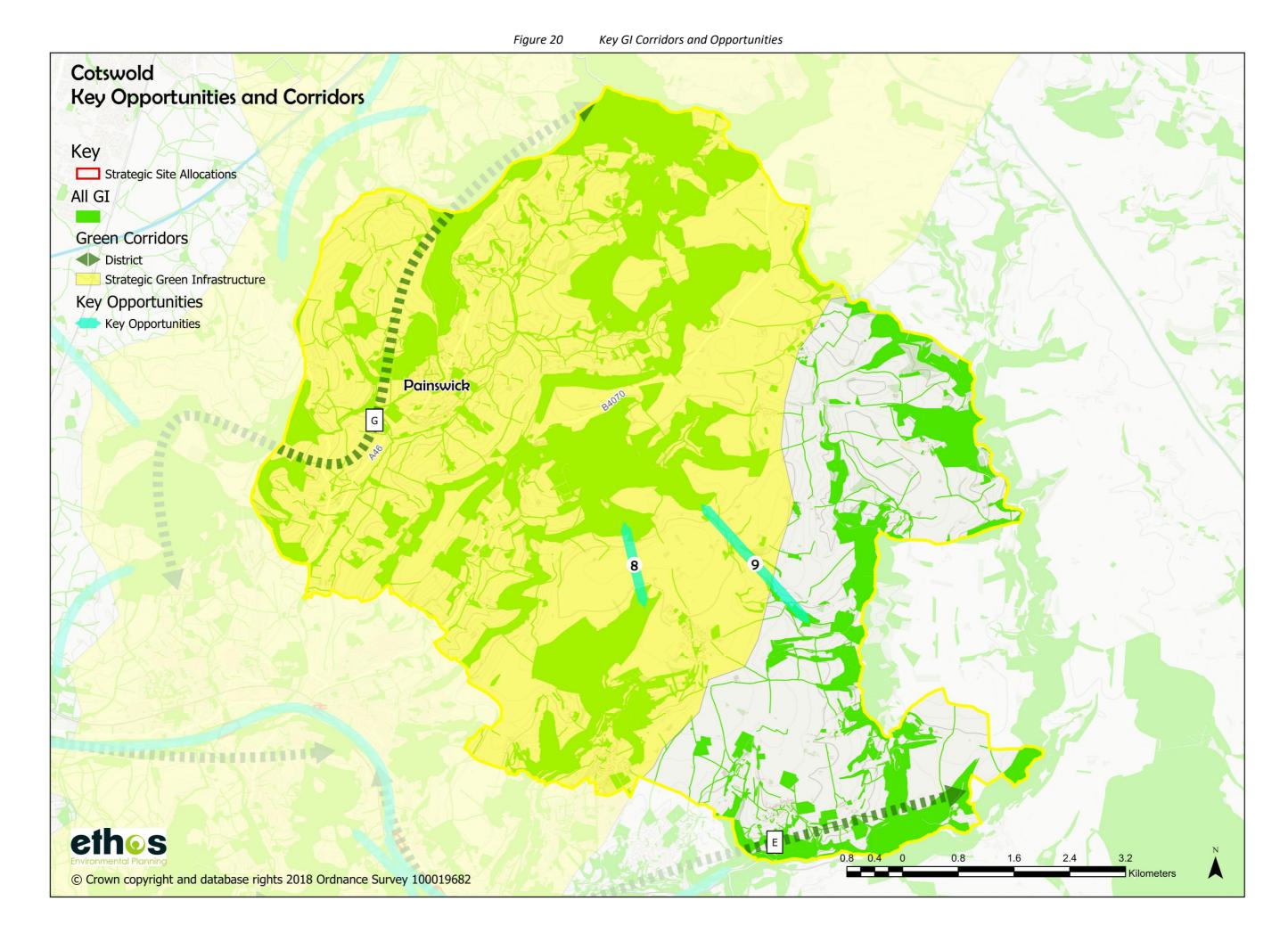
# Local community representatives have highlighted the following key local issues and top priorities in relation to open space and GI:

• Conserving and enhancing the countryside and biodiversity.

Draft vision to 2040: "Protecting and enhancing all the things that will make the Cotswolds a thriving and inclusive place to live, as well as a great place to visit..."

A key goal for the future of this areas will be to ease the tension between its role as a major tourist attraction and "protected landscape" and its ability to function as a place where people can live and work....

....the preservation and enhancement of the area's landscape, character and built heritage will be paramount.....



### 7.0 Open Space and GI - Summary of priorities for the area

This section brings together the analysis of the existing quantity, access and quality of open space and GI and considers future requirements for open space from population growth, and considers the following priorities:

- Existing provision to be enhanced;
- Opportunities for re-location/re-designation of open space;
- Identification of areas for protection and new provision of open space; and
- Facilities that may be surplus to requirement.

#### Existing provision to be enhanced

Section 5 provides a summary of the open space quality scores drawn from the quality audit.

When development sites are brought forward, consideration should be given to the potential to improve existing open spaces - although all sites scored A (good), there are some recommendations for improvements which should be considered, alongside the GI recommendations.

A desktop assessment has also identified potential to improve the condition of Bull Cross, The Firth and Juniper Hill, Cotswold Commons and Beechwoods SSSI (from SSSI condition assessments).

#### **Opportunities for re-location/re-designation of open space**

Opportunities to relocate or re-designate open spaces draws on both the quantity and access analysis. In the case of the Cotswold cluster, there is sufficient supply of allotments, parks and recreation grounds and children's play space. Existing youth provision could be expanded, or there may be potential for parks and recreation grounds to accommodate new provision to reduce the shortfall in this typology. There is little opportunity to reduce the shortfall in amenity green space, however there is good access combined with parks and recreation grounds and private outdoor sport space, and therefore little need to address this shortfall.

Although there is sufficient supply of allotments within the cluster, there is no provision of allotments/community orchards within Painswick. There may be the potential for the park and recreation ground here to accommodate a food growing area.

#### Identification of areas for new provision of open space

The assessment has identified that there is an existing quantitative shortfall in the provision of amenity green space and youth play space, therefore, the need to protect these existing facilities and maximise opportunities for securing new open space is key.

Although there is sufficient supply of allotments, parks and recreation grounds and children's play space, there are gaps in access to these facilities, and therefore on site provision of these

typologies may still be required - the requirements for on site provision will depend on the size and location of new development. There is a clear gap in access to allotments in the main settlement of Painswick, which should be addressed.

Table 6 sets out the overall requirement for new open space provision within Cotswold cluster from new development, which is 0.7 ha. This is based on the predicted population growth, however this assumes that all provision will be on-site, which will not be the case in reality as many developments will be too small, and therefore CIL contributions will be required for off-site provision and/or improvements.

The GI corridors and opportunities map (figure 20, section 6) sets out the framework for protecting and enhancing GI.

Key opportunities for enhancing the connectivity of the network have been identified as follows (each number relates to the arrows on the map at figure 20):

8. Connect Keensgrove Wood and Catswood KWS (ancient woodland) to Lypiatt Park, this is a Potential Network Join identified by Natural England.

9. Strengthen connectivity of deciduous woodland (priority habitat).

#### Protection of open space (and consideration of sites that may be considered as surplus)

All open space and GI will be afforded protection unless it can be proved it is not required i.e. it's loss would not result in deficiencies in quantity, access or quality, and would not have a negative impact on the GI network in terms of functionality/connectivity.

There are shortfalls in amenity green space and youth play space and the supply of children's, therefore these typologies are not considered as surplus.

Although there is sufficient supply of allotments, parks and recreation grounds and children's play space against the standard this does not mean they are surplus, as any loss of facilities may result in gaps in access. The planned growth in the area is also likely to put pressure on existing facilities, and before any decision is made if a site may be surplus, they should be considered for meeting shortfalls in youth play space, or other typologies where there are gaps in access e.g. the park in Painswick may have potential to accommodate a food growing area.

Irrespective of this, the role that allotments, parks and play space (and all open spaces) perform in relation to GI also needs to be considered, and even if the loss of a site would not have quantity or access impacts, it may have an impact on the functionality or connectivity of the GI network (e.g. in terms of nature conservation/biodiversity). Therefore, any potential loss of open space would need to demonstrate that there would not be negative impacts on open space quantity, access and quality, or the functionality of GI network.

All open space facilities within this cluster were also assessed as being of high quality.