

# NBN Gateway Access Controls



A guide to the access controls available for species datasets on the NBN Gateway including examples.

# Managing Access to Species Records

## NBN Gateway

- When preparing a dataset for the NBN Gateway you are asked to indicate the level of access you would like the public to have to the information it contains.
- The NBN Gateway has a framework of access controls to help you manage access to wildlife data responsibly.
- It is important to build a good understanding of the controls before you prepare and submit a dataset if you need to restrict public access to any of the information it contains.

# Managing Access to Species Records

## Access Position

- A founding principle of the NBN is that wildlife data should be easily accessible to enable their use for decision-making, education, research and other public-benefit purposes.
- The NBN Gateway represents a good opportunity to be proactive in the dissemination of wildlife data you hold.
- However, there are circumstances in which open access to the full detail of data is not in the best public interest and access needs to be managed responsibly.

# Managing Access to Species Records

## Access Position

- In deciding whether or not to restrict access to data it is desirable to begin from an open position and then identify any parts of the data that really need to be restricted.
- If you decide to restrict public access it is important that the reasons for this are set out within the Access Constraints field of the Metadata Form for Species Datasets.
- This helps users understand the need for restrictions and helps the wider NBN partnership better understand and address the issues constraining greater access to data.

# NBN Gateway Access Controls

## Setting Public Access

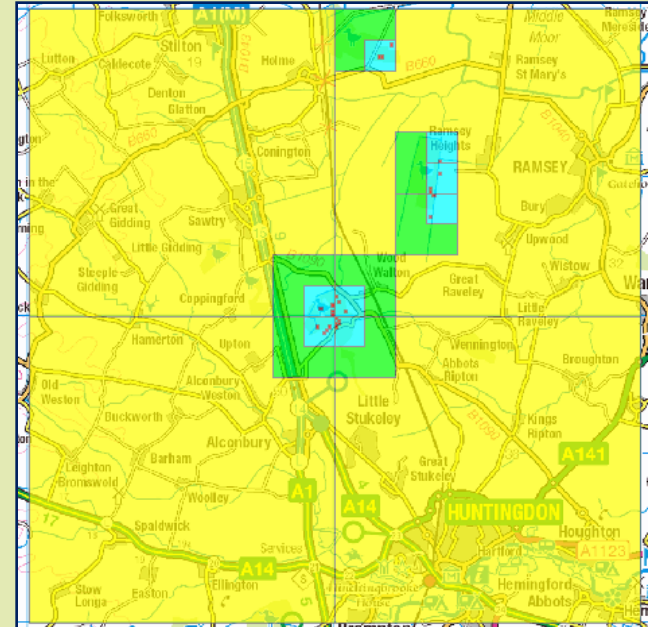
- There are access controls for setting resolution access, access to recorder names and access to record attributes
- These apply to all records within a dataset
- There is no public access to sensitive records
- Initially only one access control is available...

# NBN Gateway Access Controls

## Setting Public Access

### Access Resolution

You can control the geographic resolution at which records within your dataset are displayed and downloaded to different users.



Resolution can be set at Full, 1km, 2km or 10km squares

# NBN Gateway Access Controls

## Setting Public Access

- If you grant **full geographic resolution** access,  
2 additional controls become available for use...

## Setting Public Access

control whether users can view recorder and determiner names associated with the records

[illegible][illegible]



# NBN Gateway Access Controls

## Setting Enhanced Access

- You may also grant enhanced access to specific users and organisations registered on the NBN Gateway
- There is only one access control for setting enhanced access – **full access including recorder names and attributes**
- These may apply to some or all of the records within a dataset.
- Additionally you may **grant access to sensitive** records

# Access Control Examples

So how do these controls actually effect what is seen?

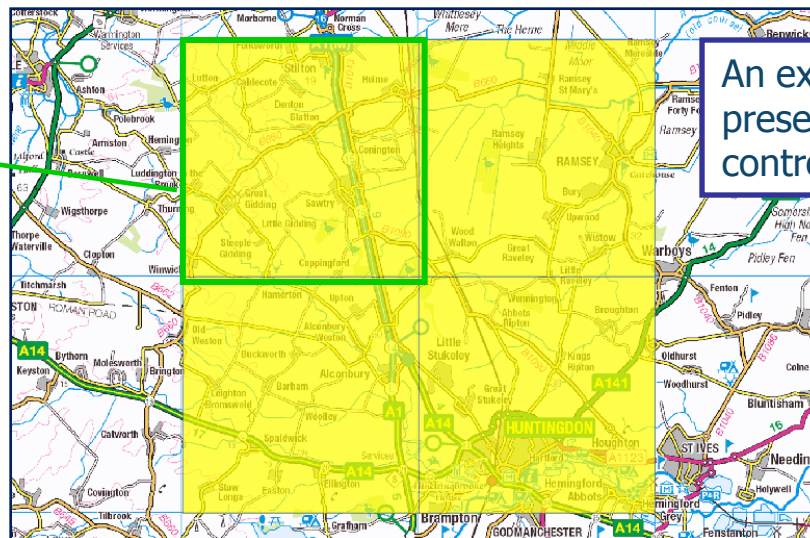
The following slides give examples of implemented access controls on the NBN Gateway...

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# Access Control Examples

Control Setting 1.1:

Resolution= 10km



An example of the records presented in maps with this control setting.

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INTERACTIVE MAP » SELECTED RECORDS » *Cyanistes caeruleus*

Selected records for *Cyanistes caeruleus*

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided by *National Biodiversity Network Trust*

Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	View Attributes	View Recorder
100m	10km	X	X	X	X

Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive
<a href="#">map</a>	Site name protected	TL28	1/3/2008	Day	N
<a href="#">map</a>	Site name protected	TL28	1/8/2008	Day	N
<a href="#">map</a>	Site name protected	TL28	1/3/2008	Day	N
<a href="#">map</a>	Site name protected	TL28	28/2/2008	Day	N
<a href="#">map</a>	Site name protected	TL27	22/2/2008	Day	N
<a href="#">map</a>	Site name protected	TL28	11/4/2008	Day	N

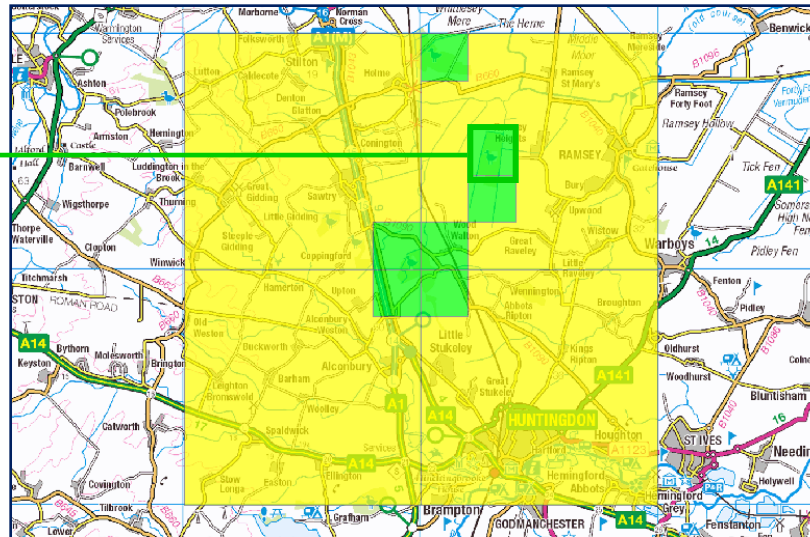
An example of record level information available with this control setting.

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# Access Control Examples

Control Setting 1.2:

Resolution= 2km



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[INTERACTIVE MAP](#) x [SELECTED RECORDS - CYANISTES CAERULEUS](#)

**Selected records for *Cyanistes caeruleus***

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided by *National Biodiversity Network Trust*


Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	View Attributes	View Recorder
100m	2km	X	✓	X	X

Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive
<a href="#">map</a>	Site name protected	TL28E	1/3/2008	Day	N
<a href="#">map</a>	Site name protected	TL28E	1/3/2008	Day	N
<a href="#">map</a>	Site name protected	TL28E	1/3/2008	Day	N
<a href="#">map</a>	Site name protected	TL28A	28/2/2008	Day	N
<a href="#">map</a>	Site name protected	TL27E	22/2/2008	Day	N
<a href="#">map</a>	Site name protected	TL28A	11/4/2008	Day	N

# Access Control Examples

Resolution=1km




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[INTERACTIVE MAP](#) > [SELECTED RECORDS](#) - [CYANISTES CAERULEUS](#)

Selected records for *Cyanistes caeruleus*

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset [Demonstration dataset for the NBN Gateway](#), provided by [National Biodiversity Network Trust](#)

Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	View Attributes	View Recorder
100m	1km	X	✓	X	X

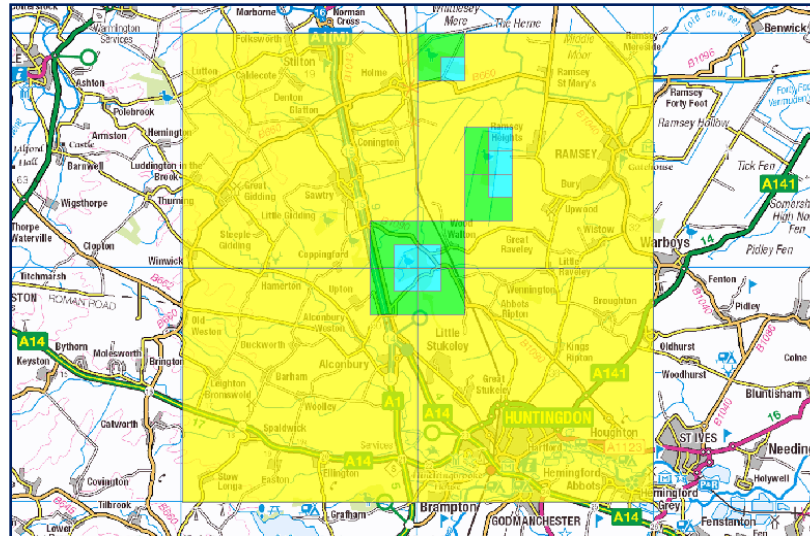
Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive
<a href="#">map</a>	Site name protected	TL2188	1/3/2008	Day	N
<a href="#">map</a>	Site name protected	TL2188	1/3/2008	Day	N
<a href="#">map</a>	Site name protected	TL2188	1/3/2008	Day	N
<a href="#">map</a>	Site name protected	TL2080	28/2/2008	Day	N
<a href="#">map</a>	Site name protected	TL2079	22/2/2008	Day	N
<a href="#">map</a>	Site name protected	TL2080	11/6/2008	Day	N

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# Access Control Examples

Control Setting 1.3:

Resolution = 1km



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INTERACTIVE MAP > SELECTED RECORDS - *Cyanistes caeruleus*

Selected records for *Cyanistes caeruleus*

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided by *National Biodiversity Network Trust*

Dataset Resolution	Your Resolution
100m	1km

So far the 'Site name' has been protected because the access resolution granted is less than that recorded for the records.

Map	Site name	TL2080	28/2/2008	Day	Site Accuracy	Sensitive
map	Site name protected					N
map	Site name protected					N
map	Site name protected					N
map	Site name protected					N
map	Site name protected	TL2079	22/2/2008	Day		N
map	Site name protected	TL2080	11/4/2008	Day		N

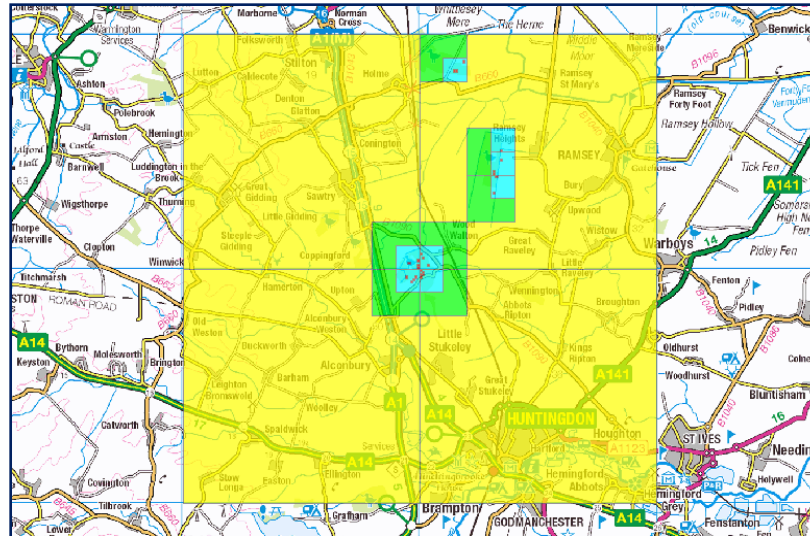
View Attributes View Recorder



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# Access Control Examples

Control Setting 2:  
Resolution = Full



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[INTERACTIVE MAP](#) » [SELECTED RECORDS](#) » **CYANISTES CAERULEUS**

**Selected records for *Cyanistes caeruleus***

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided by [National Biodiversity Network Trust](#)

Dataset	Resolution	Year	View Attributes	View Recorder
100m	Full			

Map	Site name	TL	Date	Day	Accuracy	Sensitive
<a href="#">map</a>	Holme Fen					N
<a href="#">map</a>	Holme Fen					N
<a href="#">map</a>	Holme Fen					N
<a href="#">map</a>	Monks Wood	TL203801	28/2/2008	Day		N
<a href="#">map</a>	Monks Wood	TL201797	22/2/2008	Day		N

Now we have full resolution access we can see the actual location of the observation and 'Site name' is now available.

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# Access Control Examples

Control Setting 2.1:

Resolution= Full

Attributes= No

Recorder = No



Now we have **full resolution** two additional controls are available.

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INTERACTIVE MAP • SELECTED RECORDS • CYANISTES CAERULEUS

**Selected records for *Cyanistes caeruleus***

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided by *National Biodiversity Network Trust*

Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	View Attributes	View Recorder
100m	Full	X	✓	X	X

Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive
<a href="#">map</a>	Holme Fen	TL215884	1/3/2008	Day	N
<a href="#">map</a>	Holme Fen	TL218888	1/3/2008	Day	N
<a href="#">map</a>	Holme Fen	TL214884	1/3/2008	Day	N
<a href="#">map</a>	Monks Wood	TL203801	28/2/2008	Day	N
<a href="#">map</a>	Monks Wood	TL201797	22/2/2008	Day	N



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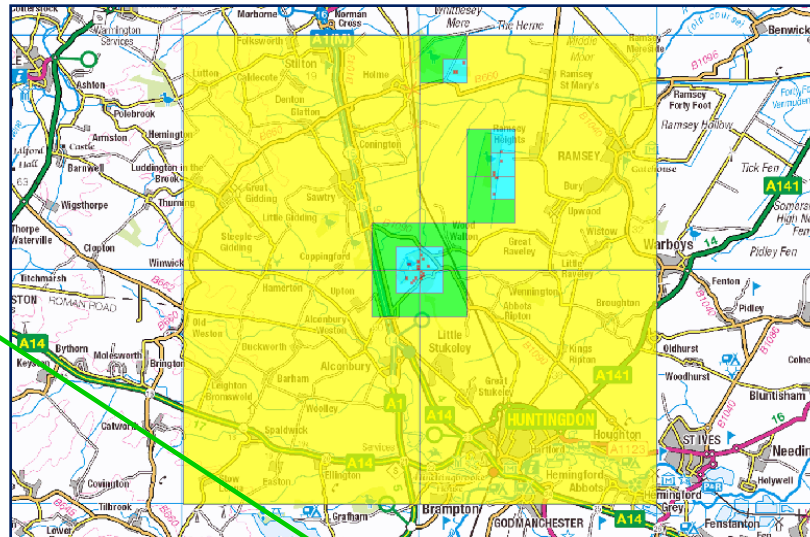
# Access Control Examples

Control Setting 2.2:

Resolution = Full

Attributes = Yes

Recorder = No



Interactive Map • SELECTED RECORDS - CYANISTES CAERULEUS

Selected records for *Cyanistes caeruleus*

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided by National Biodiversity Information Centre

Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	View Attributes	View Recorder
100m	Full	X	✓	✓	X

Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive	Abundance
<a href="#">map</a>	Holme Fen	TL215004	1/3/2008	Day	N	2
<a href="#">map</a>	Holme Fen	TL218888	1/3/2008	Day	N	4
<a href="#">map</a>	Holme Fen	TL214884	1/3/2008	Day	N	2
<a href="#">map</a>	Monks Wood	TL203801	28/2/2008	Day	N	1
<a href="#">map</a>	Monks Wood	TL201797	22/2/2008	Day	N	4

This makes any additional fields of information in the records available. In this case there is only one.

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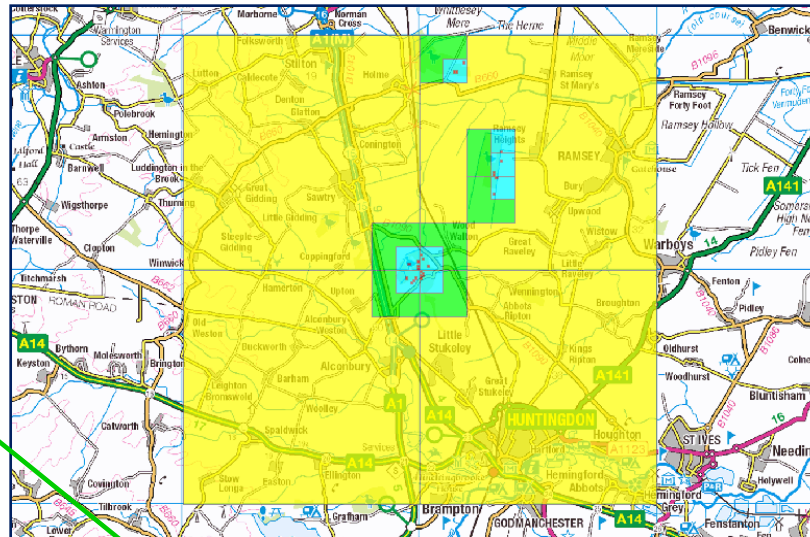
# Access Control Examples

Control Setting 2.3:

Resolution= Full

Attributes= No

Recorder= Yes



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Selected records for *Cyanistes caeruleus*

Records from the dataset *Demonstration dataset for the nbN Gateway*

Summary of your access to the dataset *Demonstration dataset for the nbN Gateway*, provided by National B

Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	Dataset Resolution	Your Resolution
100m	Full	X	✓	100m	Full

Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive	Recorder	Determiner
map	Melton Fen	TL219884	1/3/2008	Day	N	Graham French	Graham French
map	Melton Fen	TL219886	1/3/2008	Day	N	Graham French	Graham French
map	Melton Fen	TL214004	1/3/2008	Day	N	Graham French	Graham French
map	Melton Fen	TL203601	28/2/2008	Day	N	Graham French	Graham French
map	Melton Fen	TL201747	22/2/2008	Day	N	Graham French	Graham French
map	Melton Fen	TL200806	11/2/2008	Day	N	Graham French	Graham French
map	Melton Fen	TL201798	28/2/2008	Day	N	Graham French	Graham French
map	Melton Fen	TL200796	5/3/2008	Day	N	Graham French	Graham French

This makes any recorder and determiner names within your records available.

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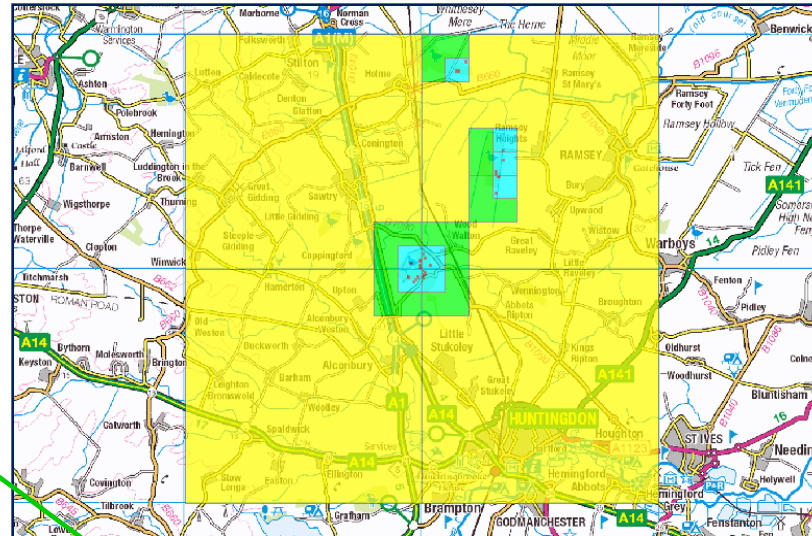
# Access Control Examples

Control Setting 2.4:

Resolution= Full

Attributes= Yes

Recorder= Yes



INTERACTIVE MAP - SELECTED RECORDS - CYANISTES CAERULEUS

Selected records for *Cyanistes caeruleus*

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided by National Biodiversity Network Trust

Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	View Attributes	View Recorder
100m	Full	X	✓	✓	✓

Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive	Recorder	Determiner	Abundance
<a href="#">map</a>	Holme Fen	TL215884	1/3/2008	Day	N	Graham French	Graham French	2
<a href="#">map</a>	Holme Fen	TL216888	1/3/2008	Day	N	Graham French	Graham French	4
<a href="#">map</a>	Holme Fen	TL214084	1/3/2008	Day	N	Graham French	Graham French	2
<a href="#">map</a>	Monks Wood	TL203601	28/2/2008	Day	N	Graham French	Graham French	1
<a href="#">map</a>	Monks Wood	TL201747	22/2/2008	Day	N	Graham French	Graham French	4
<a href="#">map</a>	Monks Wood	TL200806	11/4/2008	Day	N	Graham French	Graham French	1
<a href="#">map</a>	Monks Wood	TL201798	28/2/2008	Day	N	Graham French	Graham French	2
<a href="#">map</a>	Monks Wood	TL200796	5/3/2008	Day	N	Graham French	Graham French	1

This makes any additional fields of information and recorder and determiner names within your records available.

# ENHANCED ACCESS

## Access Control Examples

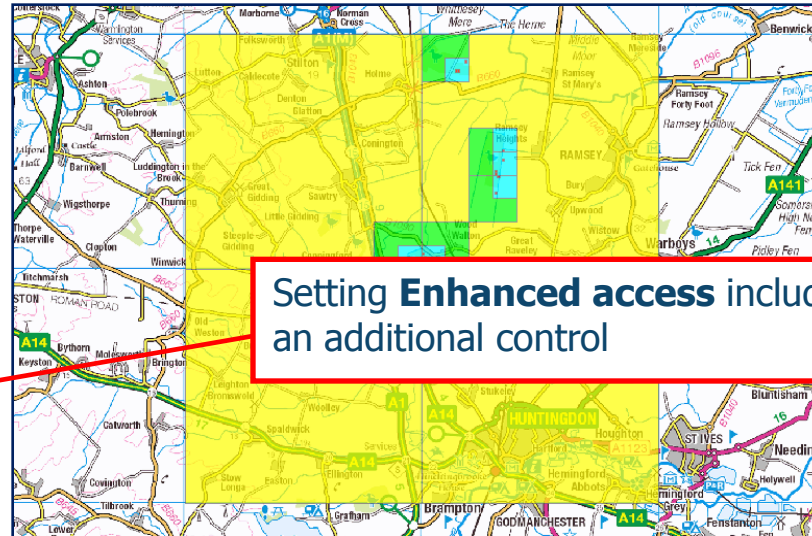
Control Setting 2.4:

Resolution= Full

Attributes= Yes

Recorder = Yes

Sensitive = No



Setting **Enhanced access** includes an additional control

Interactive Map - SELECTED RECORDS - *Cyanistes caeruleus*

Selected records for *Cyanistes caeruleus*

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided by National Biodiversity Network Trust:

Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	View Attributes	View Recorder
100m	Full	X	✓	✓	✓

Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive	Recorder	Determiner	Abundance
<a href="#">map</a>	Holme Fen	TL215884	1/3/2008	Day	N	Graham French	Graham French	2
<a href="#">map</a>	Holme Fen	TL218888	1/3/2008	Day	N	Graham French	Graham French	4
<a href="#">map</a>	Holme Fen	TL214004	1/3/2008	Day	N	Graham French	Graham French	2
<a href="#">map</a>	Monks Wood	TL203801	28/2/2008	Day	N	Graham French	Graham French	1
<a href="#">map</a>	Monks Wood	TL201797	22/2/2008	Day	N	Graham French	Graham French	4
<a href="#">map</a>	Monks Wood	TL200806	11/4/2008	Day	N	Graham French	Graham French	1
<a href="#">map</a>	Monks Wood	TL201798	28/2/2008	Day	N	Graham French	Graham French	2
<a href="#">map</a>	Monks Wood	TL200796	5/3/2008	Day	N	Graham French	Graham French	1



# ENHANCED ACCESS

## Access Control Examples

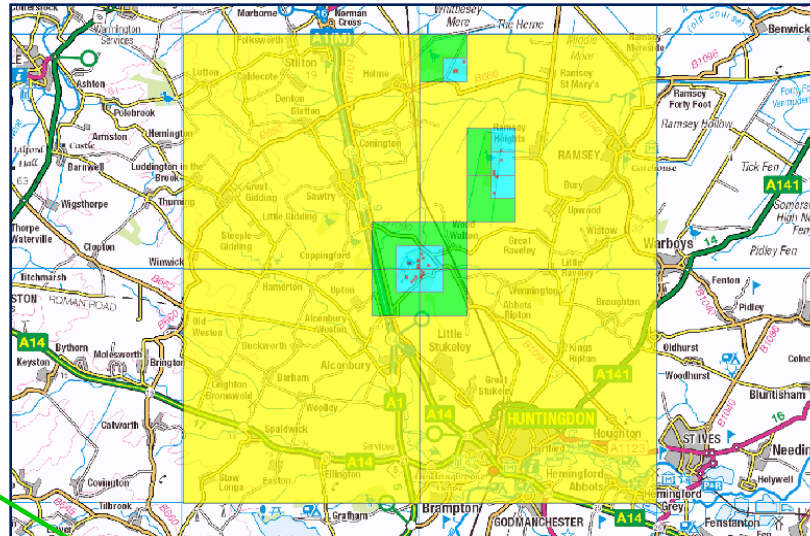
Control Setting 3:

Resolution= Full

Attributes= Yes

Recorder = Yes

Sensitive= **Yes**



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[INTERACTIVE MAP](#) » **SELECTED RECORDS - CERTHIA FAMILIARIS**

**Selected records for *Certhia familiaris***

Records from the dataset *Demonstration dataset for the NBN Gateway*

Summary of your access to the dataset *Demonstration dataset for the NBN Gateway*, provided

Dataset Resolution	Your Resolution	Sensitive Access	Download raw data	view attributes	view recorder
100m	Full	✓	✓	✓	✗

Map	Site name	Gridref	Date Recorded	Date Accuracy	Sensitive	Abundance
<a href="#">map</a>	Monks Wood	TL199803	5/3/2008	Day	Y	1
<a href="#">map</a>	Monks Wood	TL199797	19/2/2008	Day	Y	1
<a href="#">map</a>	Monks Wood	TL196795	5/3/2008	Day	Y	1
<a href="#">map</a>	Monks Wood	TL202808	11/4/2008	Day	Y	1

This makes any records flagged as sensitive within your dataset available.

# NBN Gateway Access Controls



A Guide to Administering Species Datasets is available from the NBN Trust website:

[www.nbn.org.uk](http://www.nbn.org.uk)

This guides you through the online tools available including those for setting dataset access.

If you have any questions or would like help in managing access to the data you manage please contact the NBN Data Access Officer.