

# OS MasterMap Topography Layer

## Release Note – August 2023

Version	Change
1.0	Initial publication of this release note.

### Introduction

This release note provides information about the latest release of OS MasterMap (OSMM) Topography Layer August 2023.

### OSMM Topography Layer product count

The following table contains product counts for this release of OSMM Topography Layer data. The dates shown are extraction dates, not release dates.

OSMM Topography Layer	Count on 06/07/2023 (Previous release)	Count on 10/08/2023 (Current release)
<b>Total Feature Count</b>	<b>505 248 370</b>	<b>505 631 081</b>
Count of Topo Area	126 301 569	126 426 540
Count of Topo Line	348 245 106	348 477 006
Count of Topo Point	4 301 061	4 311 133
Count of Topo Bline	534 507	534 114
Count of Topo CartoSym	3 700 475	3 712 020
Count of Topo CartoTxt	22 165 652	22 170 268
<b>Total Count of Deletes</b>	<b>598 417</b>	<b>580 807</b>
Count of Topo Area deletions	88 892	93 938
Count of Topo Line deletions	475 953	440 874
Count of Topo Point deletions	1 391	4 722
Count of Topo Bline deletions	1 211	689
Count of Topo CartoSymcc deletions	4 116	10 421
Count of Topo CartoTxtcc deletions	26 854	30 163

OSMM Topography Layer	Count on 06/07/2023 (Previous release)	Count on 10/08/2023 (Current release)
<b>Total Count of Inserts</b>	<b>925 604</b>	<b>963 518</b>
Count of Topo Area inserts	216 648	218 909
Count of Topo Line inserts	671 942	672 774
Count of Topo Point inserts	2 248	14 794
Count of Topo Bline inserts	519	296
Count of Topo CartoSym inserts	3 426	21 966
Count of Topo CartoTxt inserts	30 821	34 779
<b>Total Count of Modifications</b>	<b>994 573</b>	<b>941 944</b>
Count of Topo Area Modifications	451 708	442 081
Count of Topo Line Modifications	519 059	479 273
Count of Topo Point Modifications	254	339
Count of Topo Bline Modifications	987	665
Count of Topo CartoSym Modifications	84	173
Count of Topo CartoTxt Modifications	22 481	19 413
<b>COU Size (bytes)</b>	<b>402 145 047</b>	<b>418 831 687</b>

## New formats available

Alongside GML format, OSMM Topography Layer is also available in GeoPackage and vector tiles formats (from March 2023). Getting started guides for these new formats are available on the [product's 'Technical Information' page on the OS website](https://beta.ordnancesurvey.co.uk/products/os-mastermap-topography-layer#technical) (<https://beta.ordnancesurvey.co.uk/products/os-mastermap-topography-layer#technical>). The product is supplied as an online download. You can download data in its various formats from the [OS Data Hub](https://osdatahub.os.uk/) (<https://osdatahub.os.uk/>).

## Discrepancies

- 36 minor errors were detected, which is 8 more from the 28 errors in the last refresh. Of these errors, 0 have existed since the previous refresh – these are minor issues caused either by an editor bug or conflict (where the geometry of adjacent feature has not been updated to match), but there are no visible issues.
- An issue has been identified whereby post offices are being incorrectly attributed or deleted due to data misinterpretation. To date, we have noted over 1 100 reclassified / deleted post offices. This may result in the text disappearing from OSMM Topography Layer. A solution is currently being investigated for this issue and we aim to rectify it as soon as possible.

## Land cover refinement changes

The land cover specification for rural geographies has been refined. The Mountain and Moorland refinement was completed in 2022.

The rural geography updates began capture in May 2022. The initial updates fed through to the July 2022 release of OSMM Topography Layer, with the multi class land cover polygons completed in December 2022. The single class land cover polygons will continue to feed through to product from April 2023.

The following two tables articulate this specification refinement:

### Old land cover specification

Geographic area	Minimum area size for land cover	Minimum width
Urban	0.1 hectares (ha) (1 000m <sup>2</sup> )	5m
Rural	0.1 hectares (ha) (1 000m <sup>2</sup> )	10m
Mountain and moorland	1.0 hectares (ha) (10 000m <sup>2</sup> )	10m

### New land cover specification

Geographic area	Minimum area size for land cover	Minimum width
Urban	0.1 hectares (ha) (1 000m <sup>2</sup> )	5m
Rural	0.1 hectares (ha) (1 000m <sup>2</sup> )	5m*
Mountain and moorland	0.1 hectares (ha) (1 000m <sup>2</sup> )*	5m*

Note: The asterisk symbol (\*) shows which criteria have been refined.

The land cover specification refinement means that the rural land cover data within OSMM Topography Layer will become more granular, producing a more detailed view made up of smaller, more numerous polygons. This provides users with more accurate data that meets each individual's specific requirements. These changes are purely refinements and do not change the data attribution.

[Annex A](#) shows three examples of how the rural land cover refinement is being translated into OSMM Topography Layer.

## Changed TOIDs

Numerous TOIDs (Topographic Identifiers) have changed since the last refresh, resulting in a visual difference in the data. The list below shows a sample of changed TOIDs and their locations that you can use as 'lookup samples' to validate that your latest supply has updated correctly:

TOID	Location (i.e. XY coordinates)
osgb5000005278571990	328012.19, 523305.56
osgb5000005281635280	458918.157, 405476.546
osgb1000000016267201	516422.098, 310334.44
osgb1000000384510551	168190.619, 817455.53
osgb5000005197852859	439631.69, 403368.69
osgb5000005134118559	500237.896, 308858.239

## Next release

The next release of OS MasterMap Topography Layer is scheduled for 9th October 2023.

## Annex A: Rural land cover specification refinement examples

Below are three real-world examples of how the rural land cover specification refinement has affected the data within OSMM Topography Layer. The examples showcase three areas in southern Scotland where the specification refinement has broken up one land polygon within the Topographic Area Feature Type into smaller, separate polygons.

### Example one

Table 1: Location of example one.

5km tile	OS grid reference	Coordinates (OSGB36)
NS4505	NS 47825 05240	247790.7,605224.0

Table 2: TOIDs for example one.

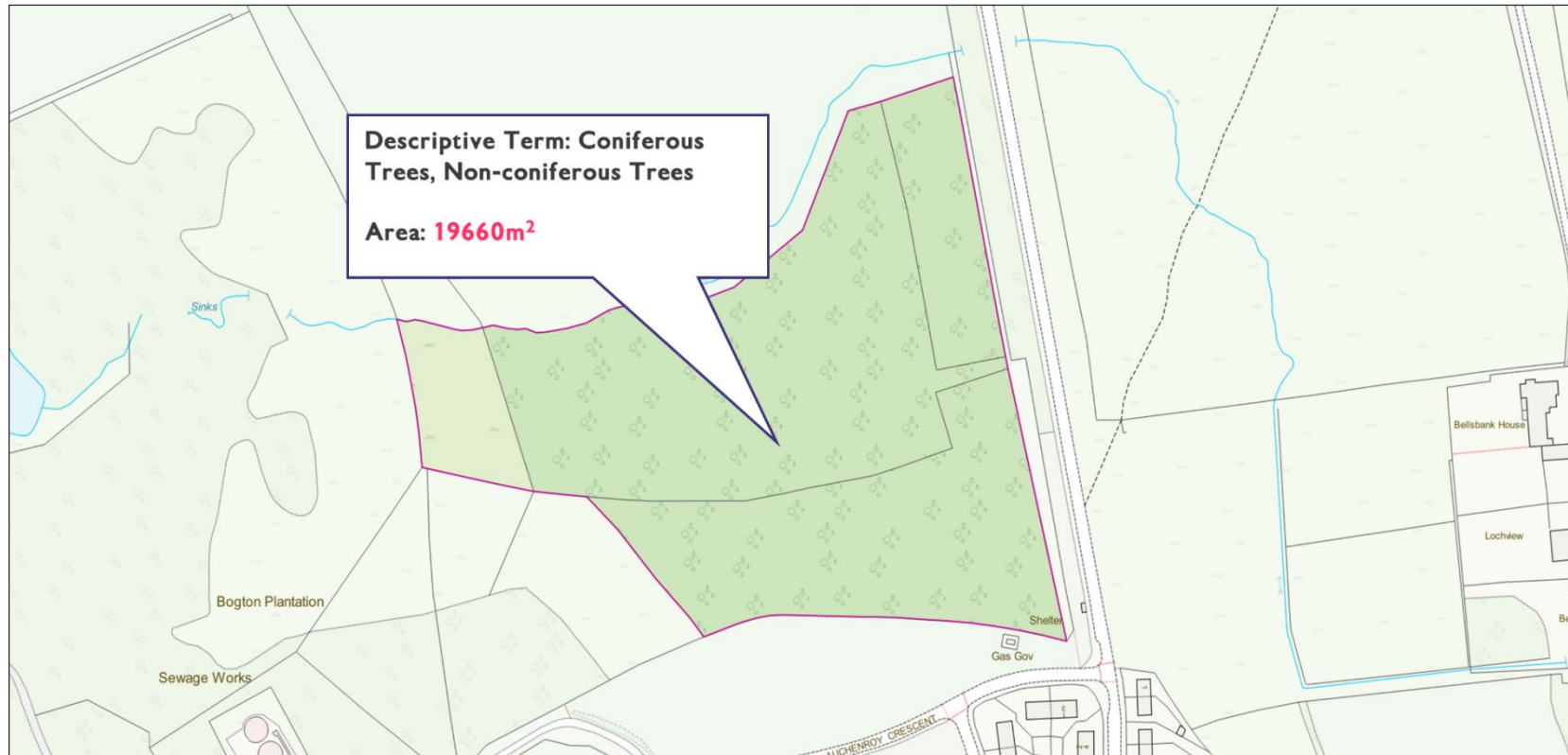
OSMM Topography Layer (July 2022)	OSMM Topography Layer (August 2022)
osgb1000000316775097	osgb5000005297485451
	osgb5000005297485455
	osgb5000005297485456

Source imagery of example area one for comparative purposes:

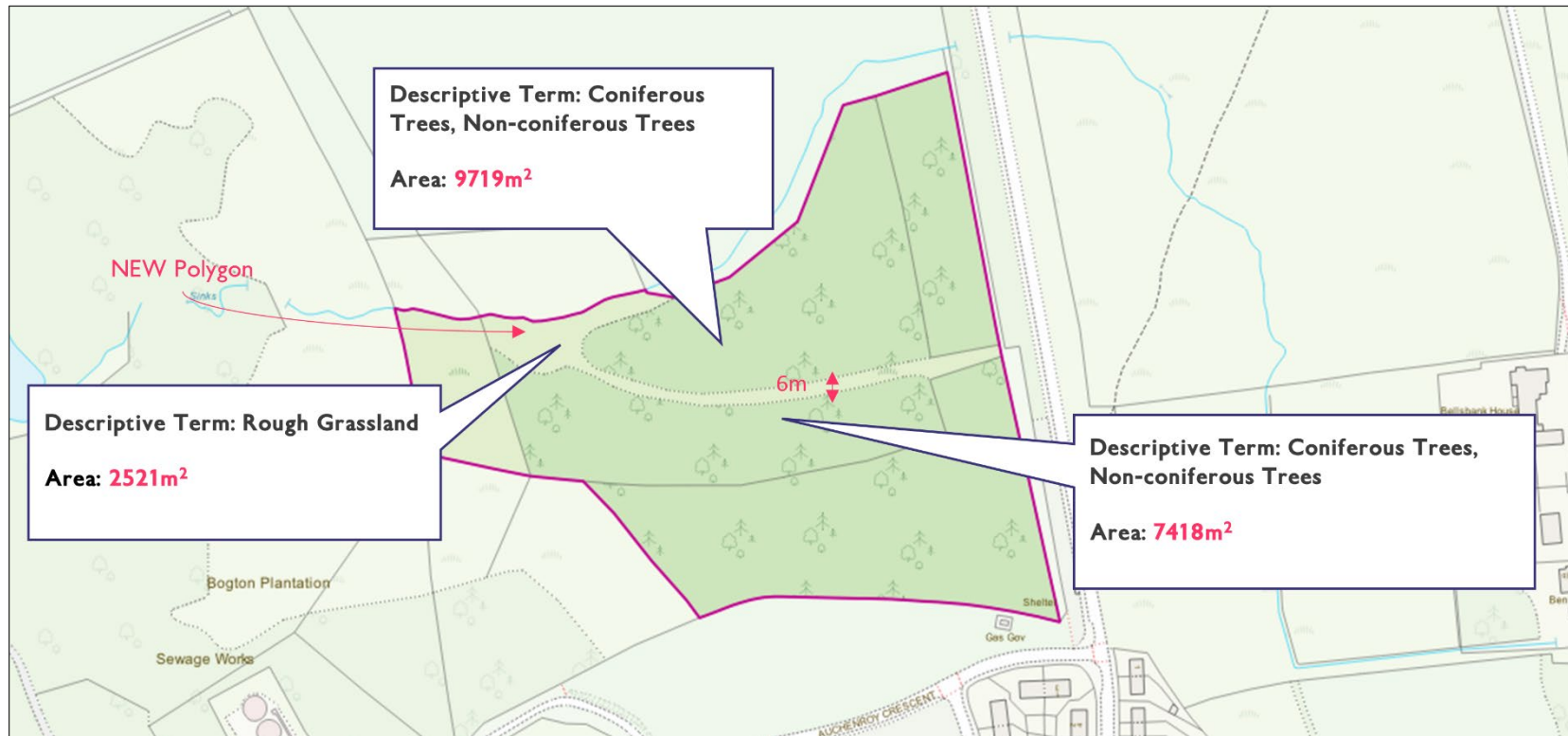




Data before the rural land cover specification refinement update (OSMM Topography Layer – July 2022):



Data after the rural land cover specification refinement update (OSMM Topography Layer – August 2022):





## Example two

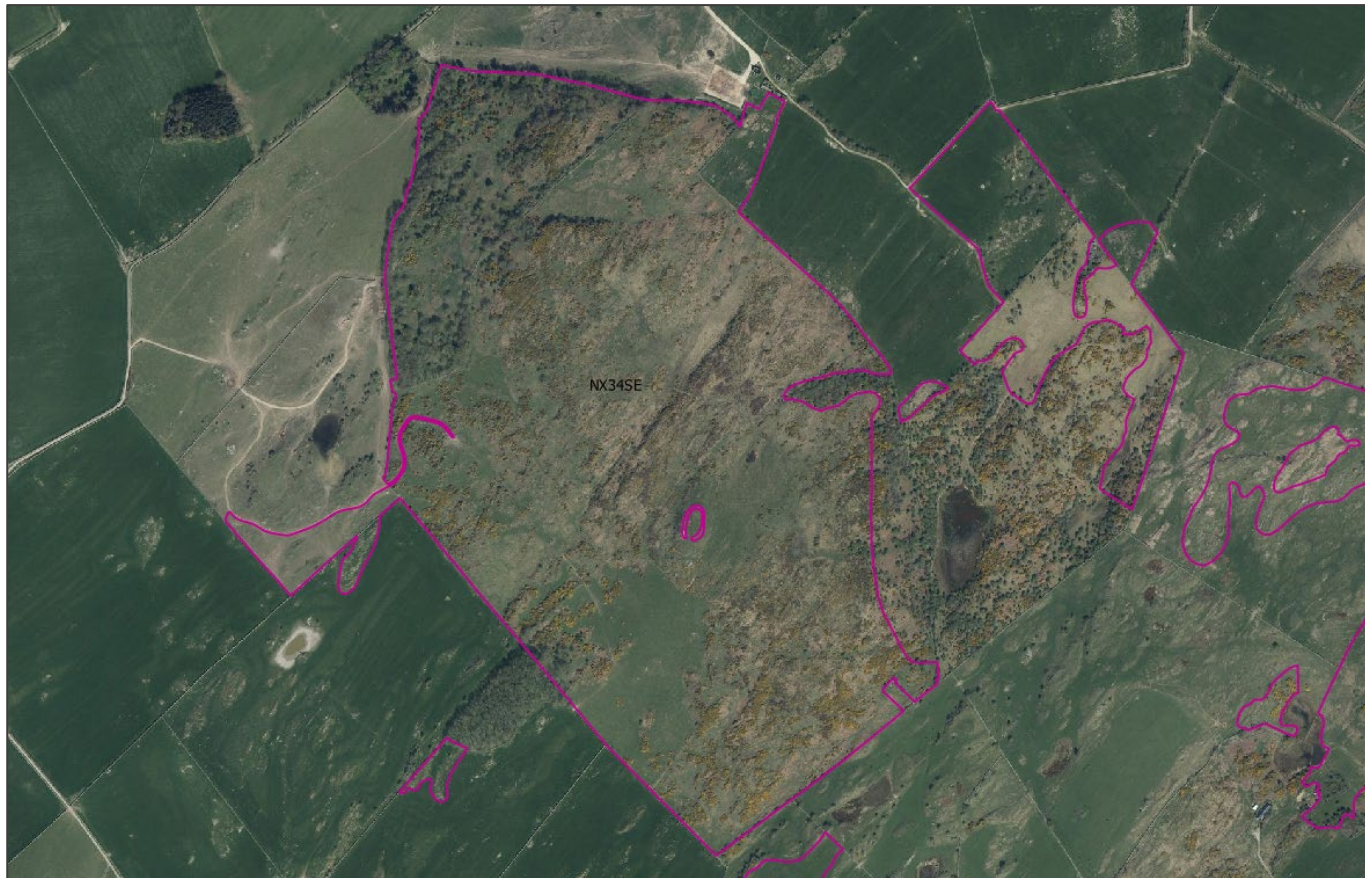
Table 3: Location of example two.

5km tile	OS grid reference	Coordinates (OSGB36)
NX3540	NX 37464 41871	237419, 541979

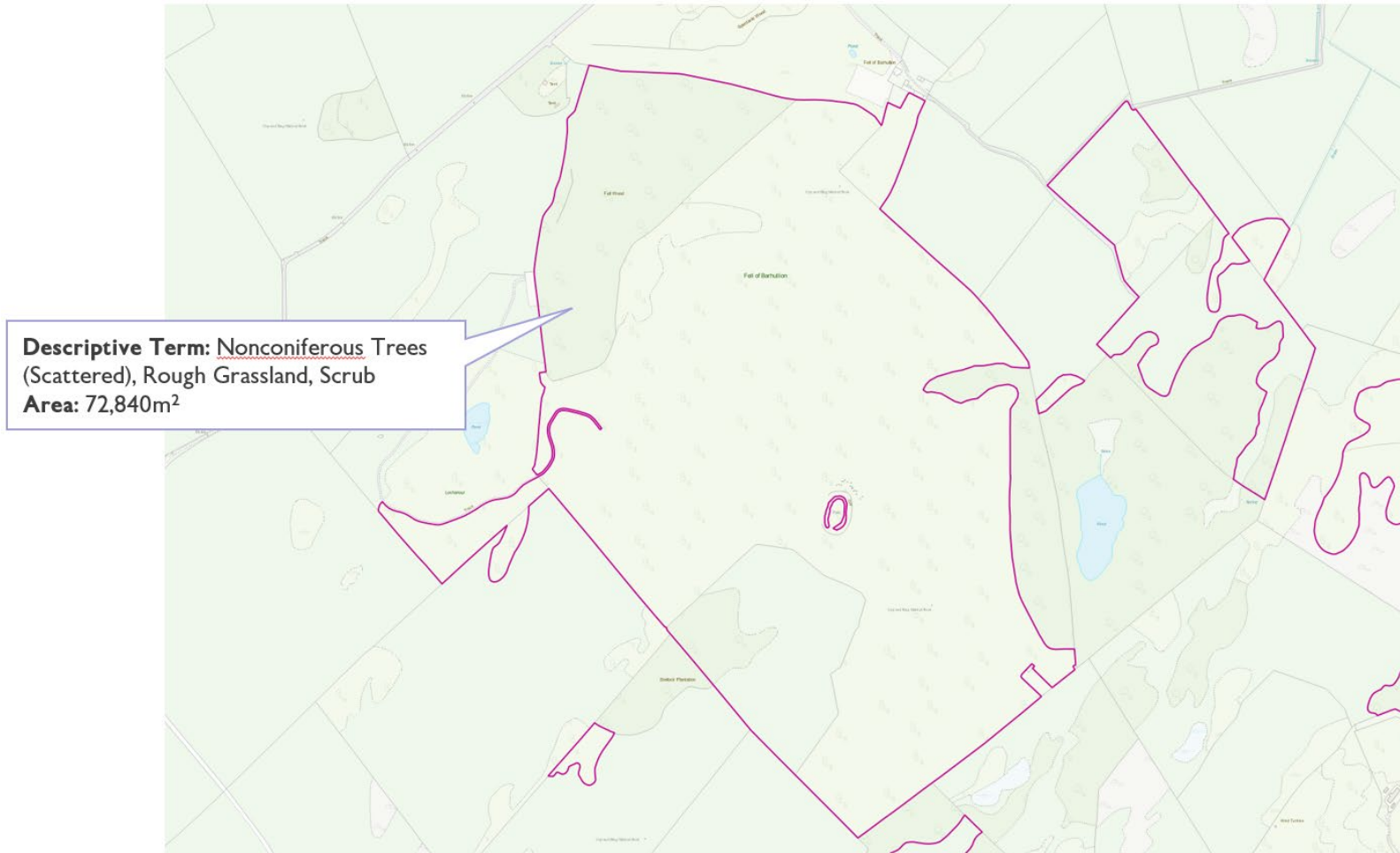
Table 4: TOIDs for example two.

OSMM Topography Layer (August 2022)	OSMM Topography Layer (October 2022)
osgb1000000318639911	osgb1000000318639911
	osgb5000005298080383
	osgb5000005298080465

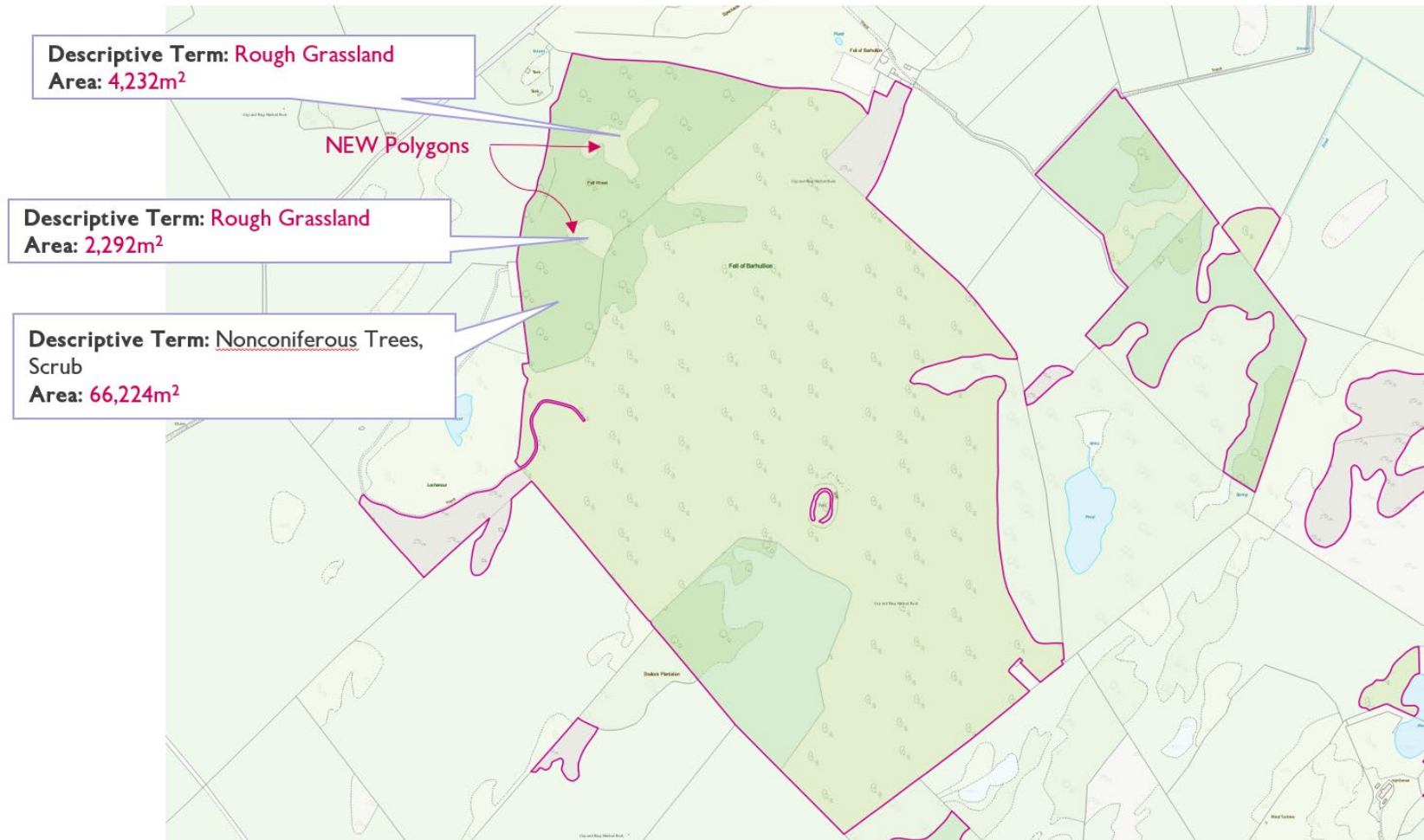
Source imagery of example area two for comparative purposes:



Data before the rural land cover specification refinement update (OSMM Topography Layer – August 2022):



Data after the rural land cover specification refinement update (OSMM Topography Layer – October 2022):



## Example three

Table 5: Location of example three.

5km tile	OS grid reference	Coordinates (OSGB36)
NX6550	NX 68975 51146	268968, 551139

Table 6: TOIDs for example three.

OSMM Topography Layer (August 2022)	OSMM Topography Layer (October 2022)
osgb1000000319079420	osgb1000000319079420
	osgb5000005298106224



Source imagery of example area three for comparative purposes:



Data before the rural land cover specification refinement update (OSMM Topography Layer – August 2022):



Data after the rural land cover specification refinement update (OSMM Topography Layer – October 2022):

