OS MasterMap Topography Layer

Release Note – March 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 on 28 March 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 26/01/2023 (Previous release)	Count on 09/03/2023 (Current release)
Total Feature Count	**503 947 582**	**504 333 657**
Count of Topo Area	125 802 797	125 946 698
Count of Topo Line	347 457 109	347 693 432
Count of Topo Point	4 300 889	4 300 775
Count of Topo Bline	537 368	536 627
Count of Topo CartoSym	3 706 010	3 704 346
Count of Topo CartoTxt	22 143 409	22 151 779
Total Count of Deletes	**959 896**	**827 232**
Count of Topo Area deletions	143 256	125 275
Count of Topo Line deletions	759 665	602 273
Count of Topo Point deletions	1 260	1 766
Count of Topo Bline deletions	1 447	1 212
Count of Topo CartoSymcc deletions	4 125	3 945
Count of Topo CartoTxtcc deletions	50 143	92 761

OSMM Topography Layer	Count on 26/01/2023 (Previous release)	Count on 09/03/2023 (Current release)
Total Count of Inserts	**1 340 200**	**1 213 307**
Count of Topo Area inserts	310 491	269 176
Count of Topo Line inserts	971 730	838 596
Count of Topo Point inserts	1 552	1 652
Count of Topo Bline inserts	632	471
Count of Topo CartoSym inserts	2 584	2 281
Count of Topo CartoTxt inserts	53 211	101 131
Total Count of Modifications	**1 655 847**	**1 298 120**
Count of Topo Area Modifications	763 929	608 374
Count of Topo Line Modifications	864 449	672 817
Count of Topo Point Modifications	408	345
Count of Topo Bline Modifications	3 183	1 264
Count of Topo CartoSym Modifications	65	399
Count of Topo CartoTxt Modifications	23 813	14 921
COU Size (bytes)	**648 080 603**	**497 985 527**

New formats available

Alongside GML format, OSMM Topography Layer is now available in GeoPackage and vector tiles formats. 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/).

Discrepancies

- 11 minor errors were detected, which is down from 15 errors in the last refresh. Of these errors, only 4 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	0.1hectares (ha) (1 000m²)	5m
Rural	0.1hectares (ha) (1 000m²)	10m
Mountain and moorland	1.0hectares (ha) (10 000m²)	10m

New land cover specification

Geographic area	Minimum area size for land cover	Minimum width
Urban	0.1hectares (ha) (1 000m²)	5m
Rural	0.1hectares (ha) (1 000m²)	5m*
Mountain and moorland	0.1hectares (ha) (1 000m²)*	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 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)
osgb5000005286314696	445289.7, 523719.8
osgb1000037378669	330850.45, 433635.4
osgb1000000014247932	511157.6, 430308.74
osgb5000005250005219	387730.986, 785282.663
osgb5000005193803210	421171.444, 430017.245
osgb5000005190183589	502076.83, 433310.12

Next release

The next release of OS MasterMap Topography Layer is scheduled for 09 May 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.

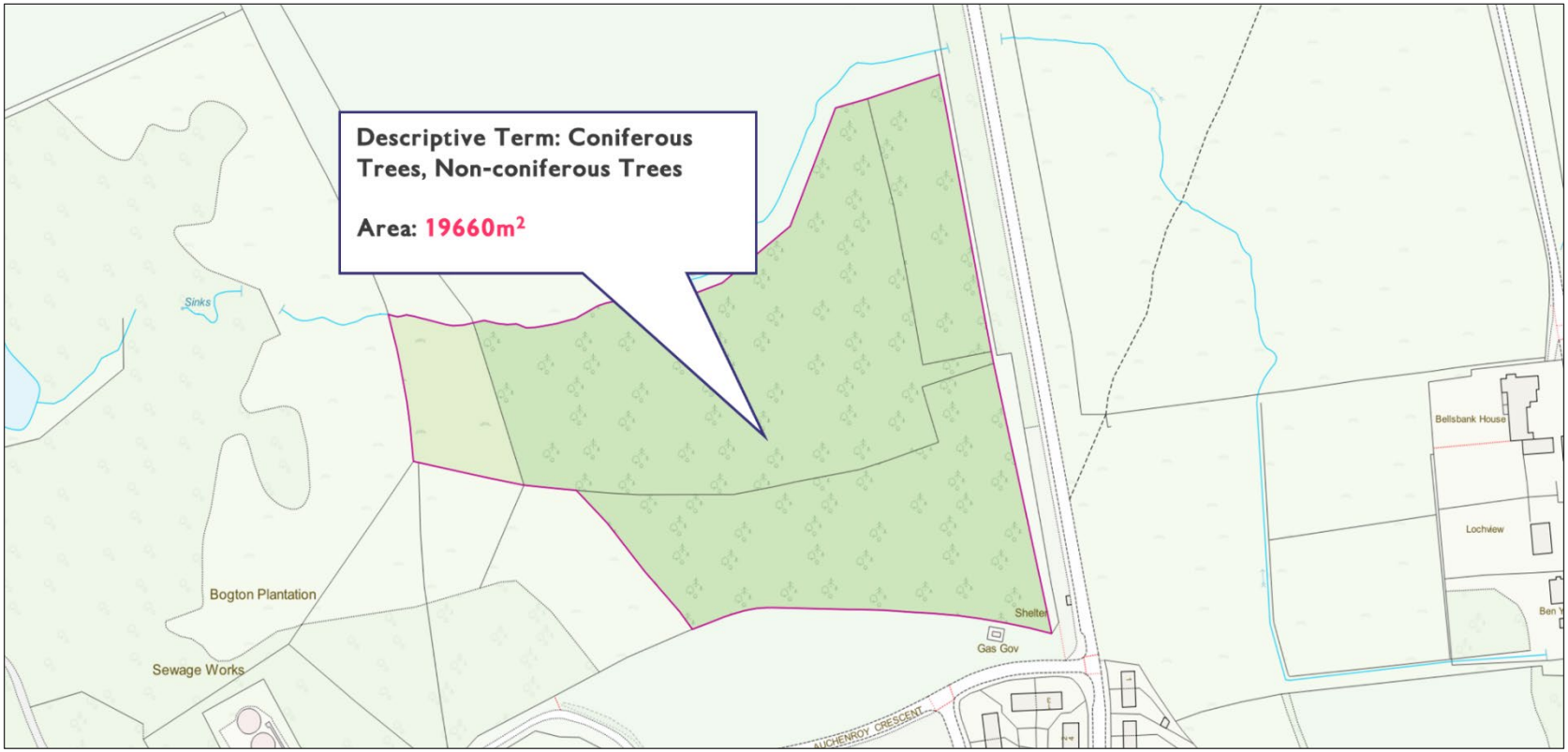
5km tile	OS grid reference	Coordinates (OSGB36)
NS4505	NS 47825 05240	247790.7,605224.0

Table 2: TOIDs for example one.

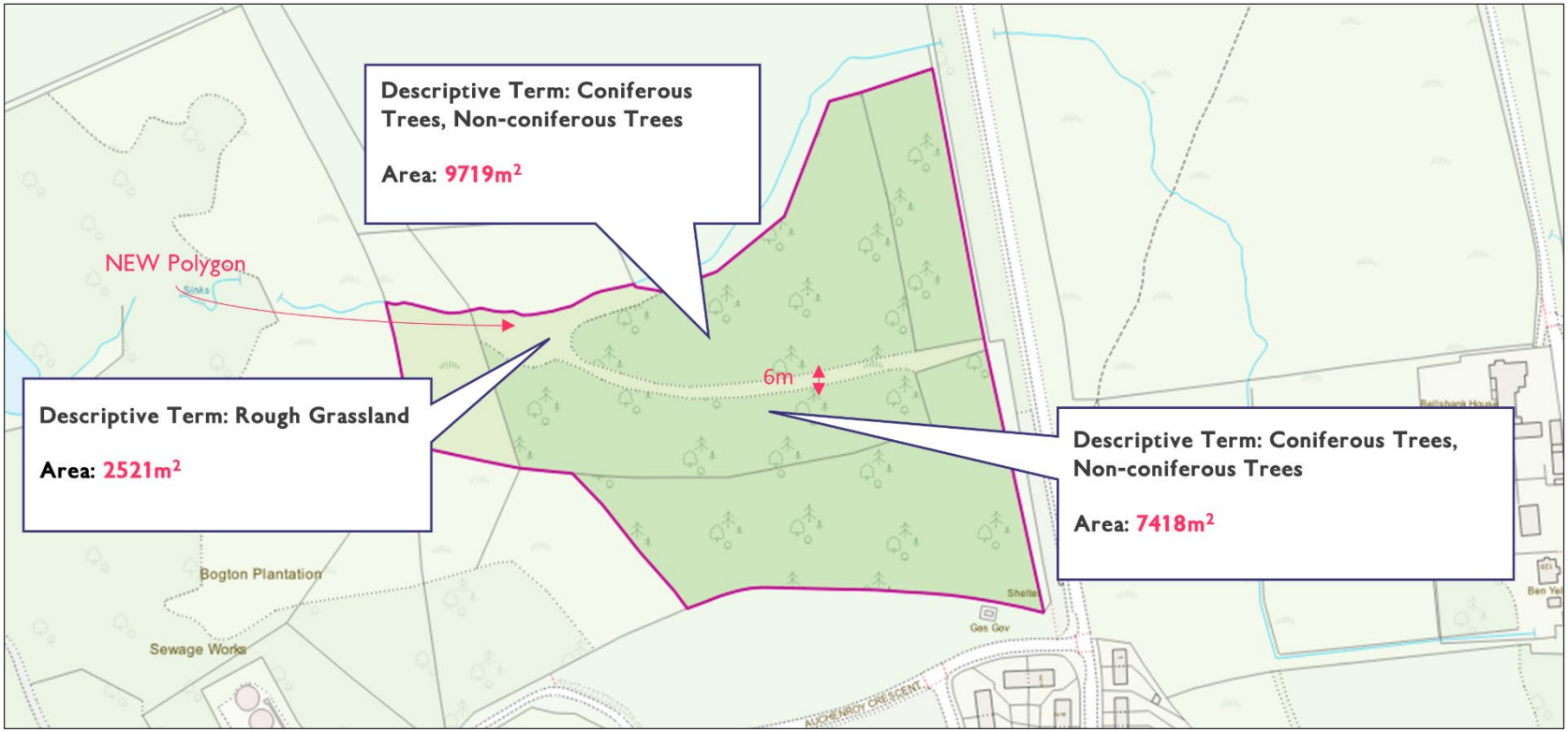
OSMM Topography Layer (July 2022)	OSMM Topography Layer (August 2022)
osgb1000000316775097	osgb5000005297485451
	osgb5000005297485455
	osgb5000005297485456

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

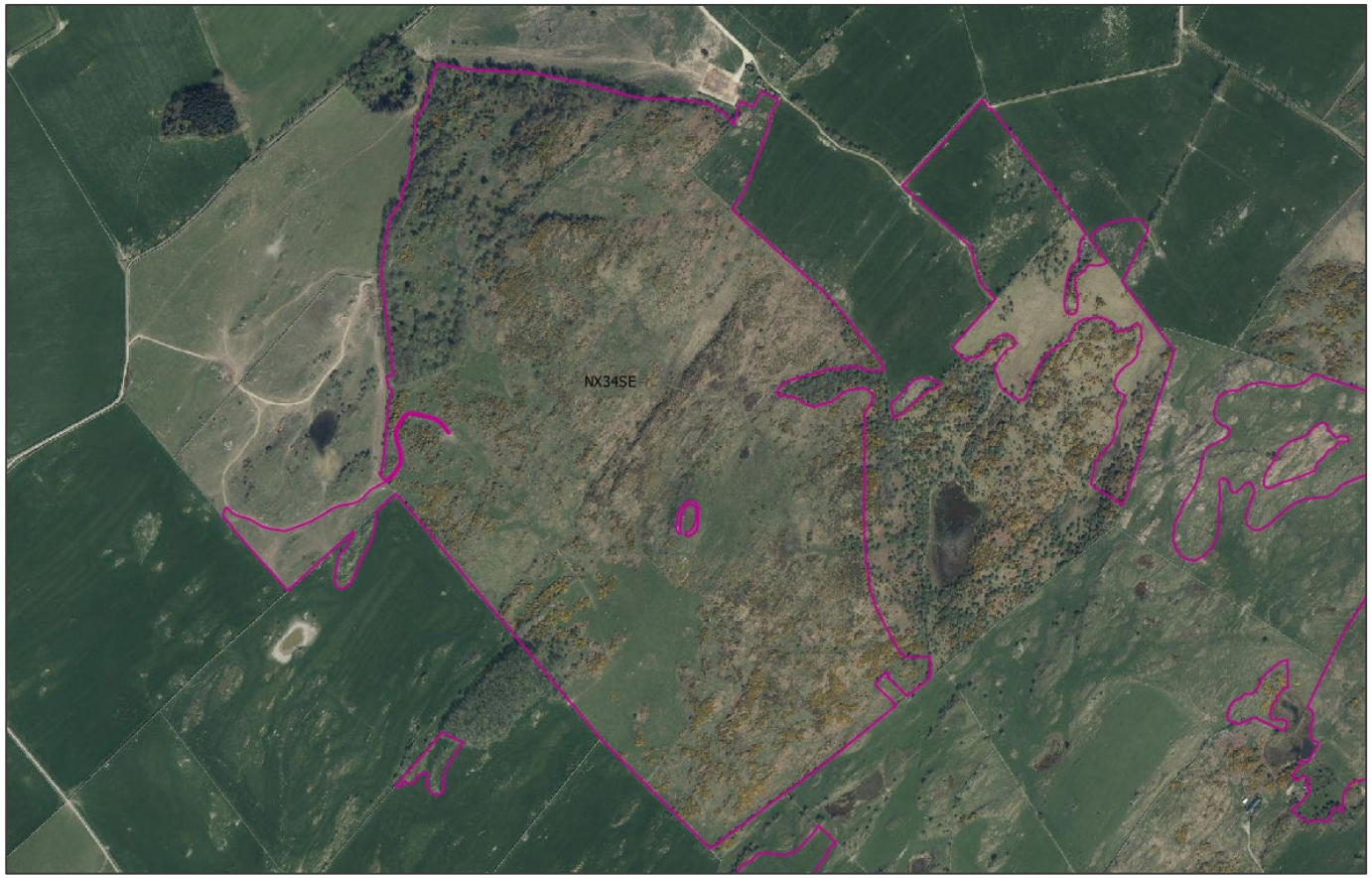
Table 3: Location of example two.

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

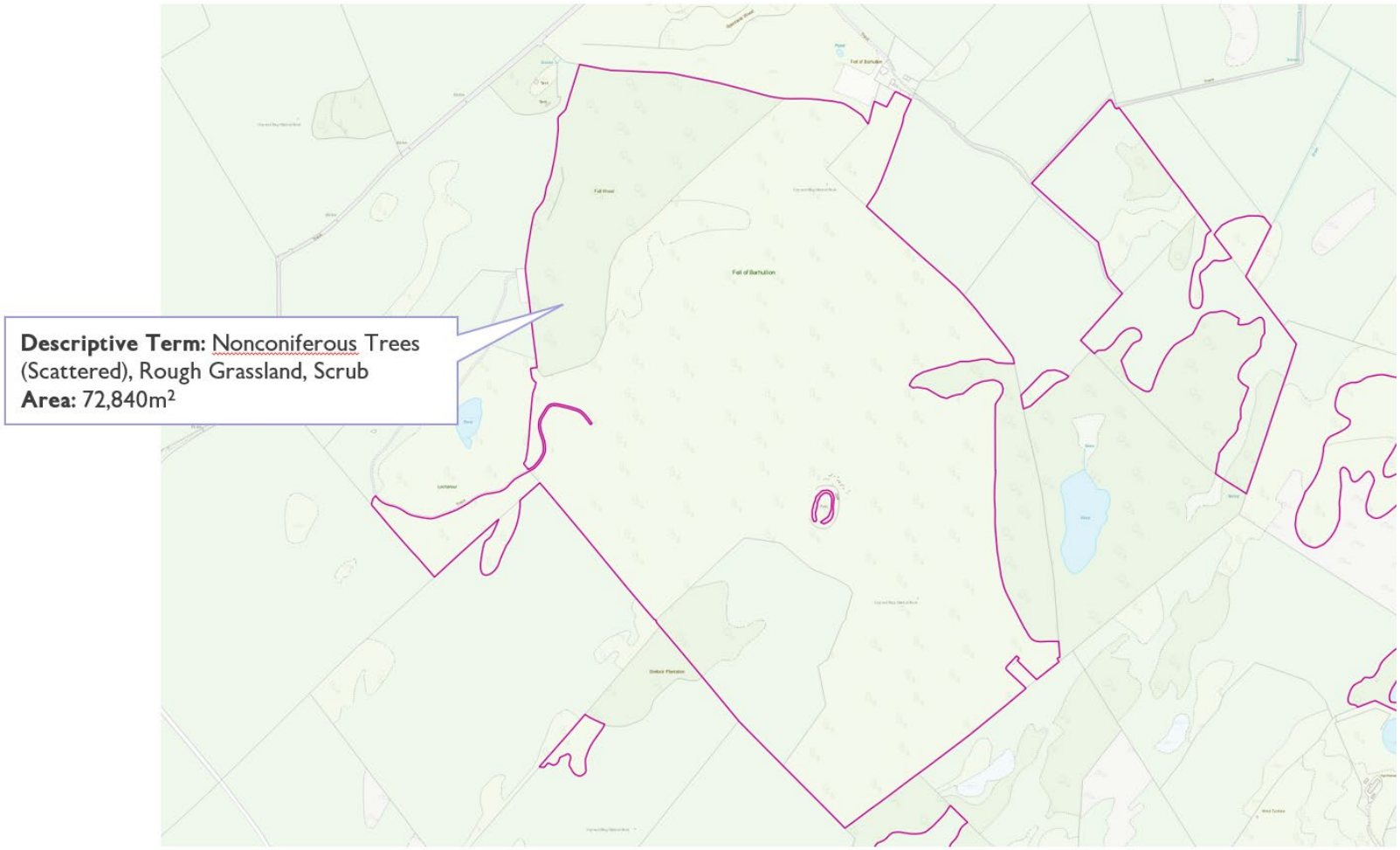
Table 4: TOIDs for example two.

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

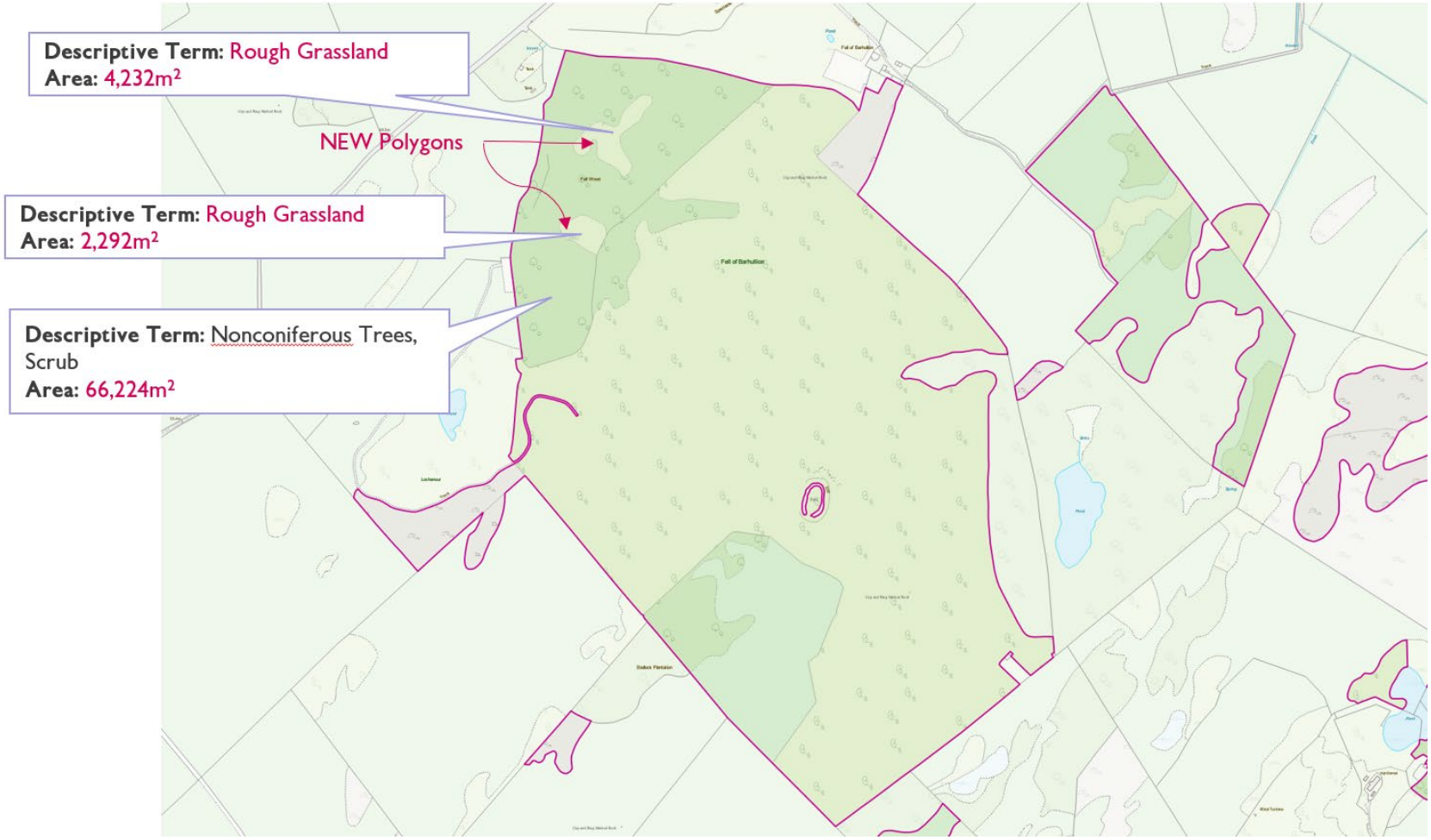
Source imagery of example area two for comparative purposes:



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):