

OS MasterMap Topography Layer

Release Note – June 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 12 June 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 20/04/2023 (Previous release)	Count on 25/05/2023 (Current release)
Total Feature Count	504 632 666	504 921 183
Count of Topo Area	126 066 955	126 173 813
Count of Topo Line	347 868 793	348 049 117
Count of Topo Point	4 300 245	4 300 204
Count of Topo Bline	535 774	535 199
Count of Topo CartoSym	3 702 191	3 701 165
Count of Topo CartoTxt	22 158 708	22 161 685
Total Count of Deletes	635 763	487 362
Count of Topo Area deletions	100 181	76 326
Count of Topo Line deletions	511 108	385 353
Count of Topo Point deletions	2 405	1 258
Count of Topo Bline deletions	1 279	913
Count of Topo CartoSymcc deletions	4 543	2 800
Count of Topo CartoTxtcc deletions	16 247	20 712

OSMM Topography Layer	Count on 20/04/2023 (Previous release)	Count on 25/05/2023 (Current release)
Total Count of Inserts	934 772	775 879
Count of Topo Area inserts	220 438	183 184
Count of Topo Line inserts	686 469	565 677
Count of Topo Point inserts	1 875	1 217
Count of Topo Bline inserts	426	338
Count of Topo CartoSym inserts	2 388	1 774
Count of Topo CartoTxt inserts	23 176	23 689
Total Count of Modifications	1 077 876	877 323
Count of Topo Area Modifications	491 873	416 273
Count of Topo Line Modifications	571 421	440 668
Count of Topo Point Modifications	498	177
Count of Topo Bline Modifications	1 070	684
Count of Topo CartoSym Modifications	1 351	107
Count of Topo CartoTxt Modifications	11 663	19 414
COU Size (bytes)	427 509 176	340 686 201

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

- 19 minor errors were detected, which is up from 8 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	0.1hectares (ha) (1 000m ²)	5m
Rural	0.1hectares (ha) (1 000m ²)	10m
Mountain and moorland	1.0hectares (ha) (10 000m ²)	10m

New land cover specification

Geographic area	Minimum area size for land cover	Minimum width
Urban	0.1hectares (ha) (1 000m ²)	5m
Rural	0.1hectares (ha) (1 000m ²)	5m*
Mountain and moorland	0.1hectares (ha) (1 000m ²)*	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)
osgb5000005274447533	346686.13, 703537.62
osgb1000000214288433	358203.638, 444448.609
osgb1000000012264284	502257.68, 428434.71
osgb1000000298066945	270320.96, 608465.01
osgb1000000214332272	359370.02, 443510.41
osgb5000005135413846	503241.555, 427355.806

Next release

The next release of OS MasterMap Topography Layer is scheduled for 24 July 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

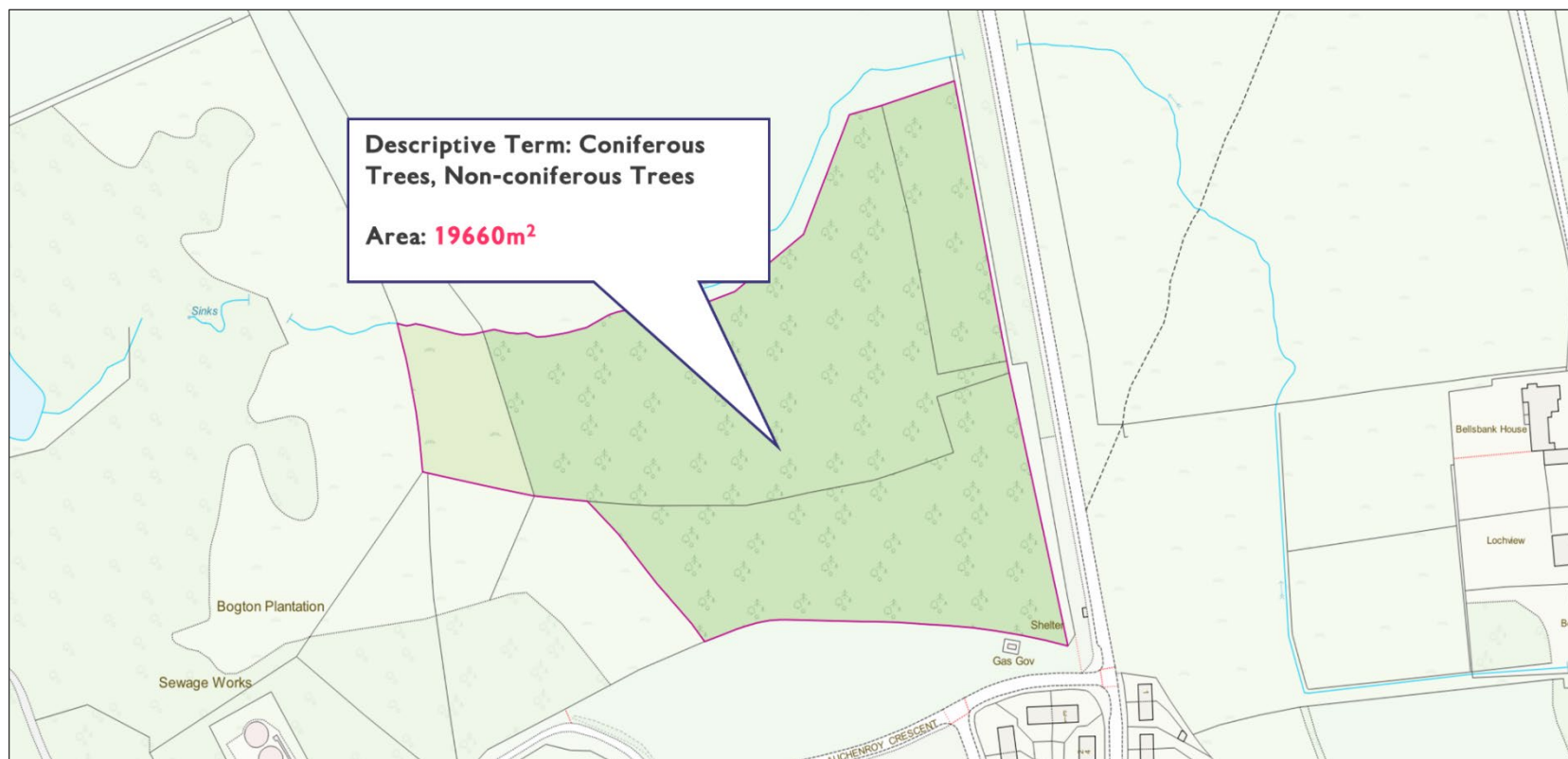
Table 2: TOIDs for example one.

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

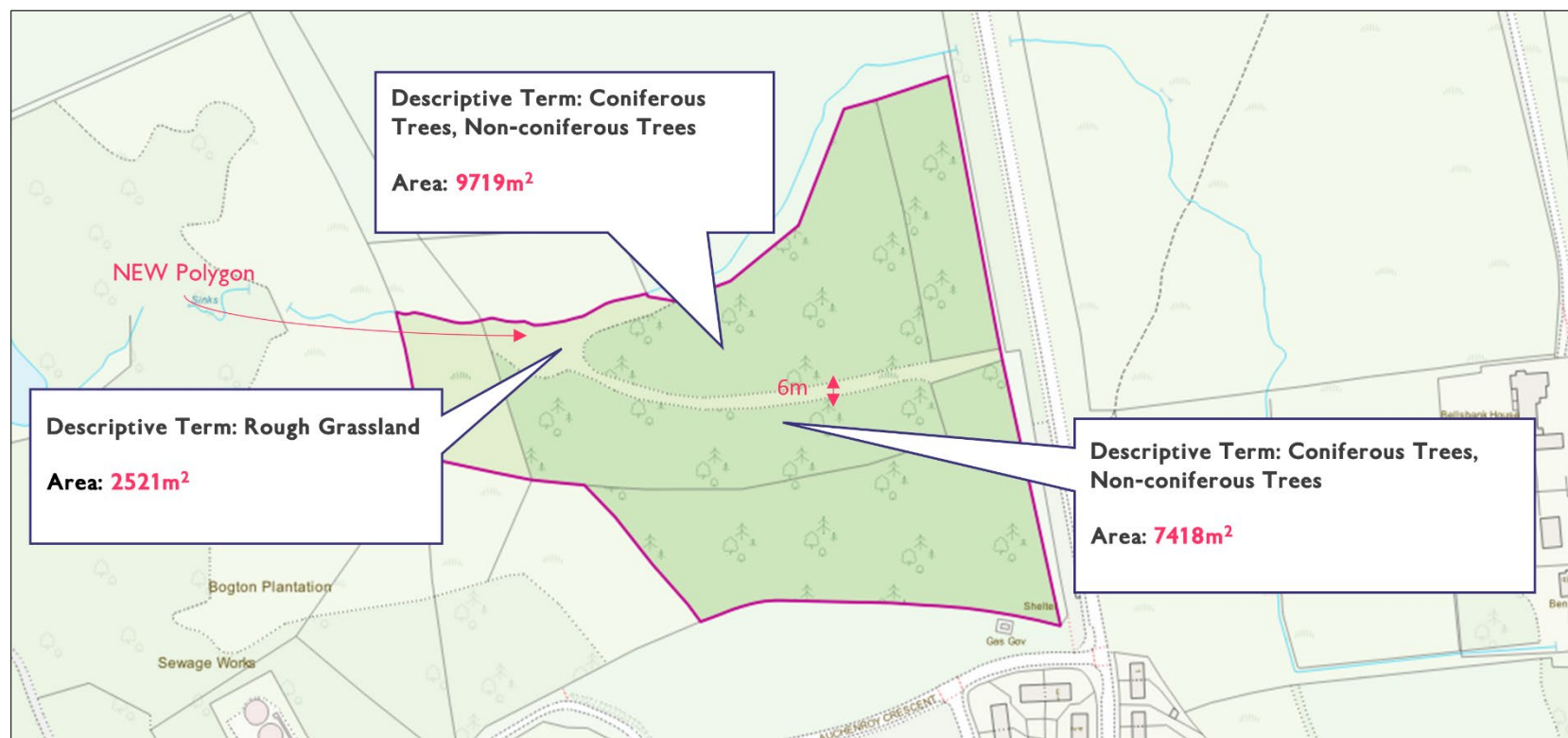
Source imagery of example area one for comparative purposes:



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

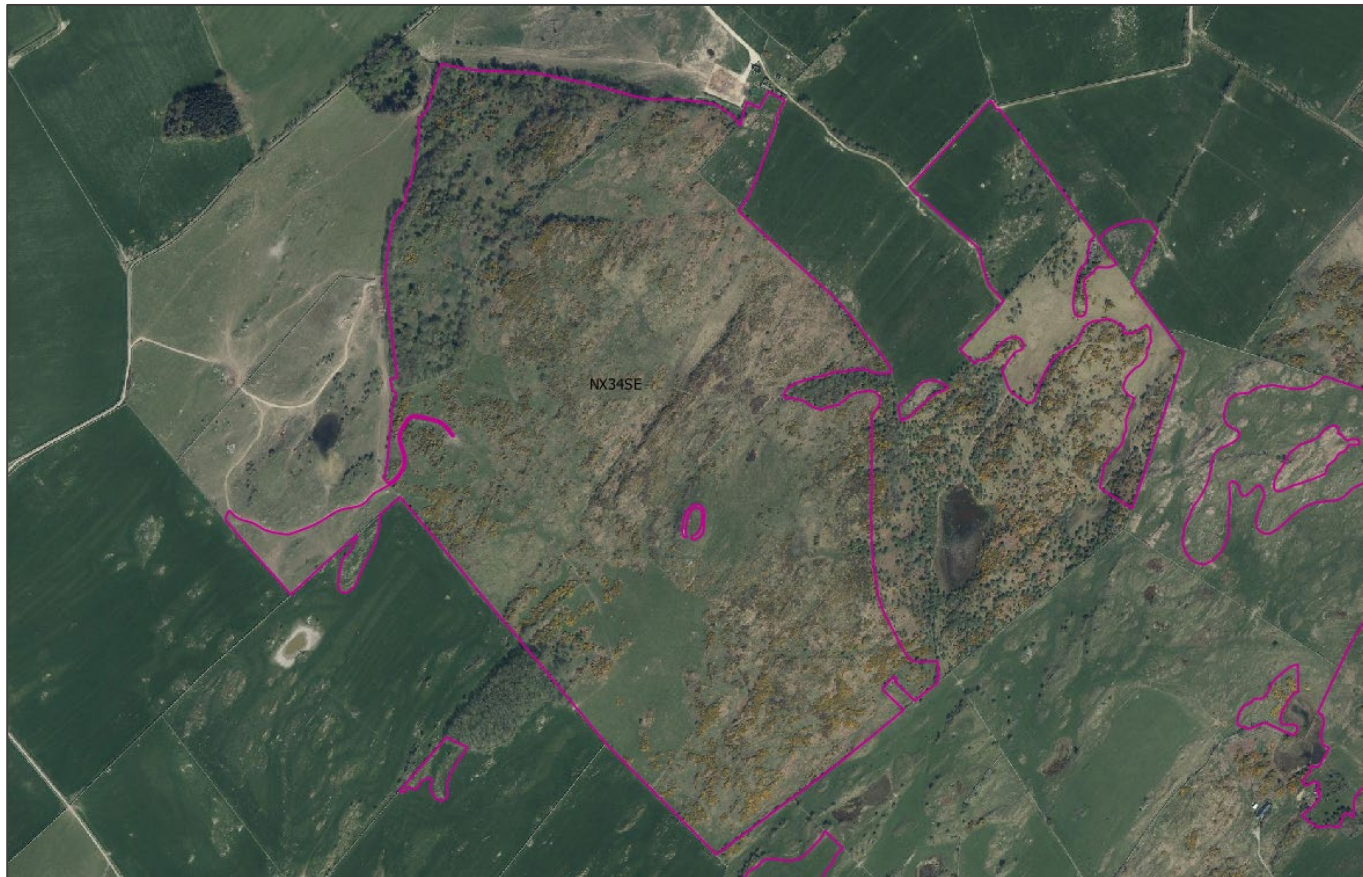
Table 3: Location of example two.

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

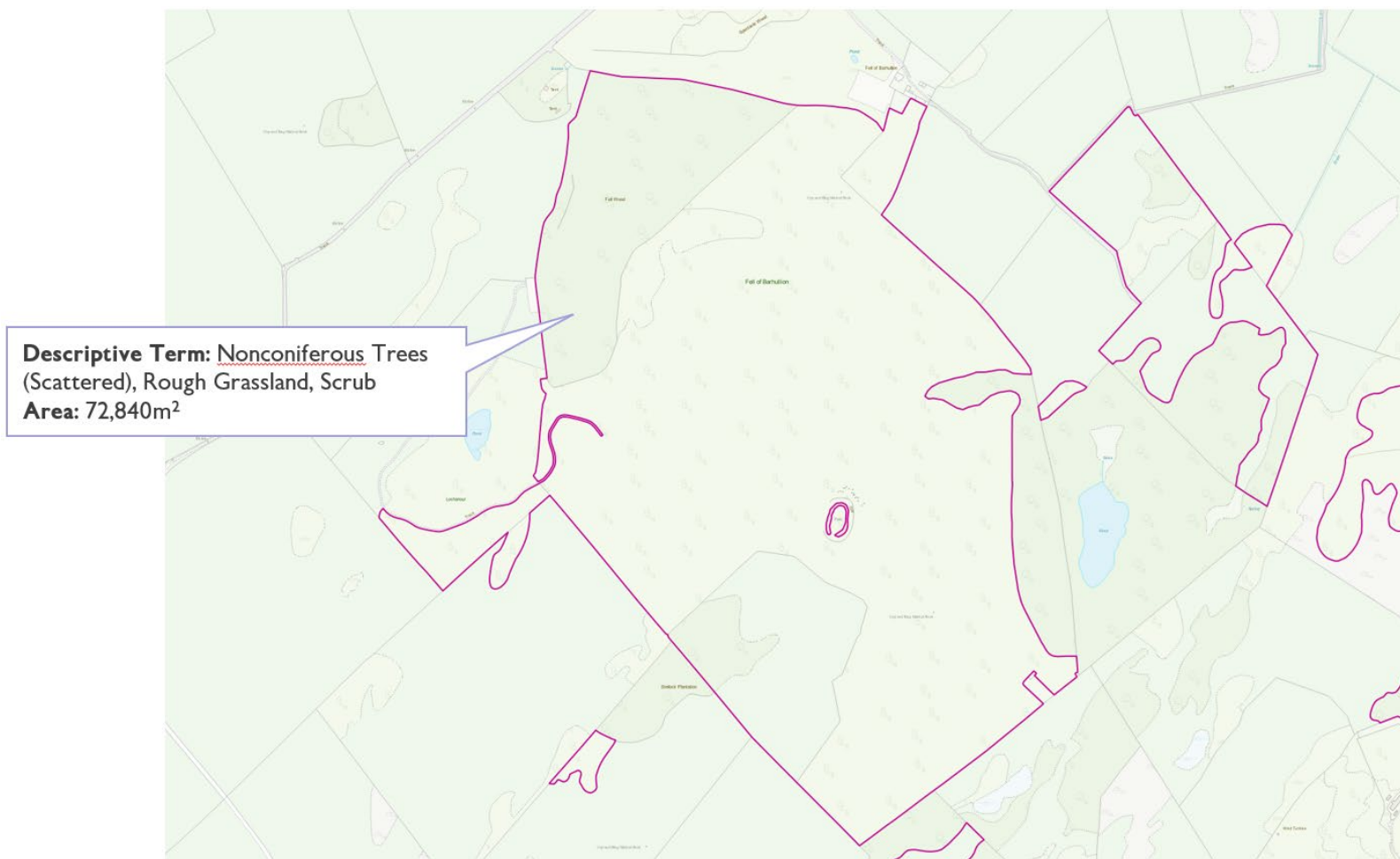
Table 4: TOIDs for example two.

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

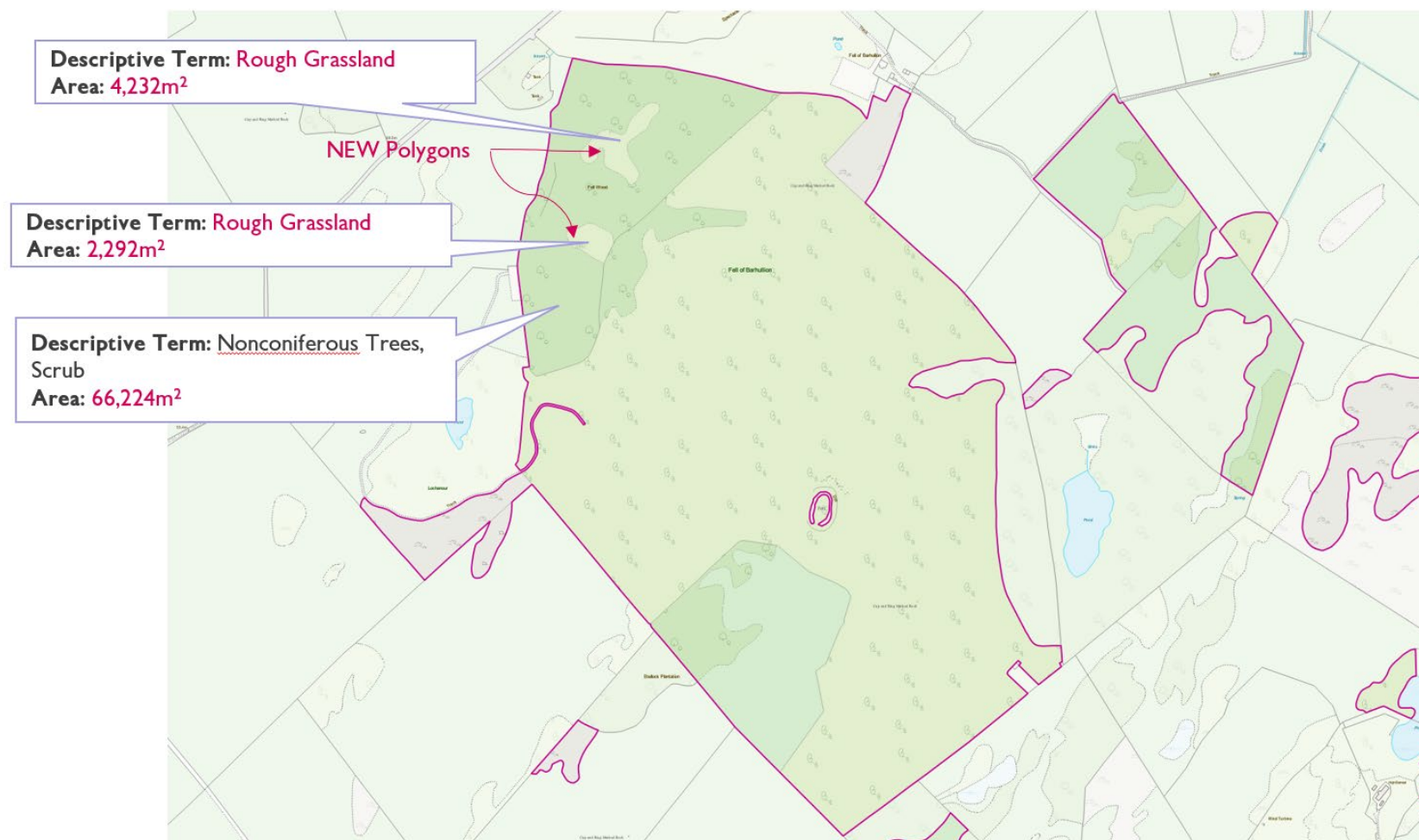
Source imagery of example area two for comparative purposes:



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):

