

OS MasterMap Topography Layer

Release Note – July 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 19 July 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 25/05/2023 (Previous release)	Count on 06/07/2023 (Current release)
Total Feature Count	504 921 183	505 248 370
Count of Topo Area	126 173 813	126 301 569
Count of Topo Line	348 049 117	348 245 106
Count of Topo Point	4 300 204	4 301 061
Count of Topo Bline	535 199	534 507
Count of Topo CartoSym	3 701 165	3 700 475
Count of Topo CartoTxt	22 161 685	22 165 652
Total Count of Deletes	487 362	598 417
Count of Topo Area deletions	76 326	88 892
Count of Topo Line deletions	385 353	475 953
Count of Topo Point deletions	1 258	1 391
Count of Topo Bline deletions	913	1 211
Count of Topo CartoSymcc deletions	2 800	4 116
Count of Topo CartoTxtcc deletions	20 712	26 854

OSMM Topography Layer	Count on 25/05/2023 (Previous release)	Count on 06/07/2023 (Current release)
Total Count of Inserts	775 879	925 604
Count of Topo Area inserts	183 184	216 648
Count of Topo Line inserts	565 677	671 942
Count of Topo Point inserts	1 217	2 248
Count of Topo Bline inserts	338	519
Count of Topo CartoSym inserts	1 774	3 426
Count of Topo CartoTxt inserts	23 689	30 821
Total Count of Modifications	877 323	994 573
Count of Topo Area Modifications	416 273	451 708
Count of Topo Line Modifications	440 668	519 059
Count of Topo Point Modifications	177	254
Count of Topo Bline Modifications	684	987
Count of Topo CartoSym Modifications	107	84
Count of Topo CartoTxt Modifications	19 414	22 481
COU Size (bytes)	340 686 201	402 145 047

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

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

New land cover specification

Geographic area	Minimum area size for land cover	Minimum width
Urban	0.1 hectares (ha) (1 000m ²)	5m
Rural	0.1 hectares (ha) (1 000m ²)	5m*
Mountain and moorland	0.1 hectares (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)
osgb1000002052946062	392703.67, 843772.11
osgb1000000215619360	366103.652, 422821.413
osgb1000002504088882	561479.54, 191165.04
osgb1000000173272309	343615.987, 866263.052
osgb5000005202323651	458098.733, 454760.301
osgb5000005240663298	524873.84, 136632.17

Next release

The next release of OS MasterMap Topography Layer is scheduled for September 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

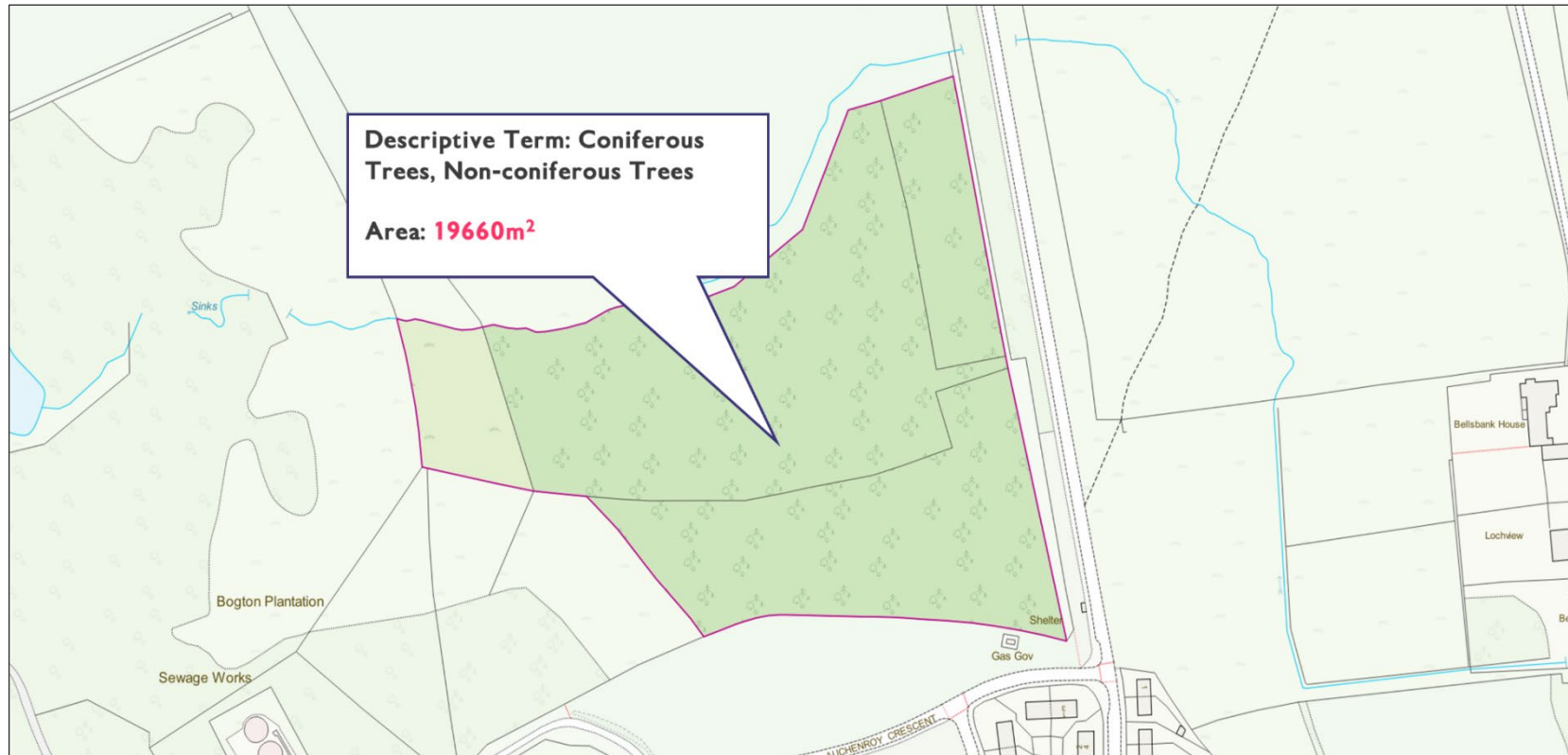
Table 2: TOIDs for example one.

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

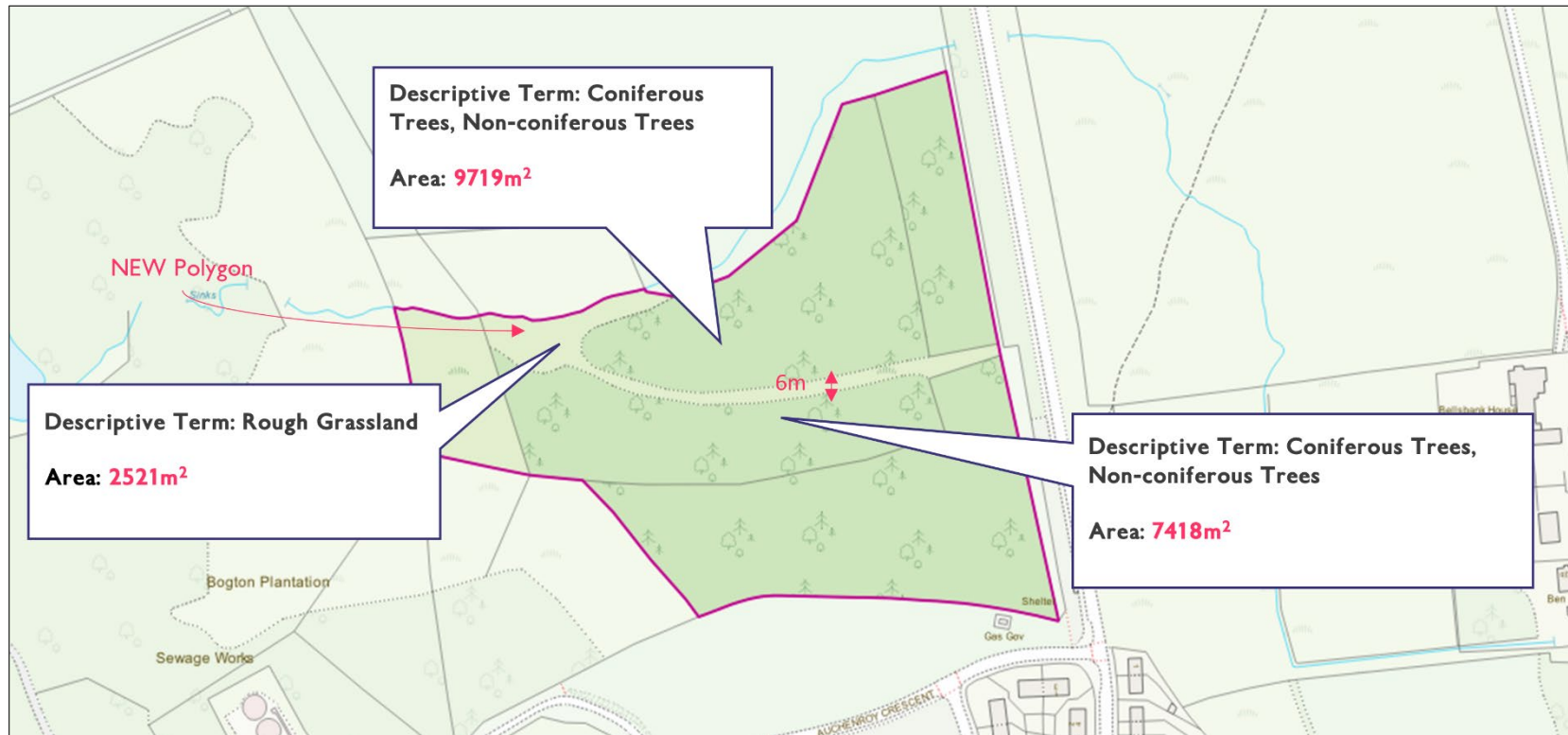
Source imagery of example area one for comparative purposes:



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

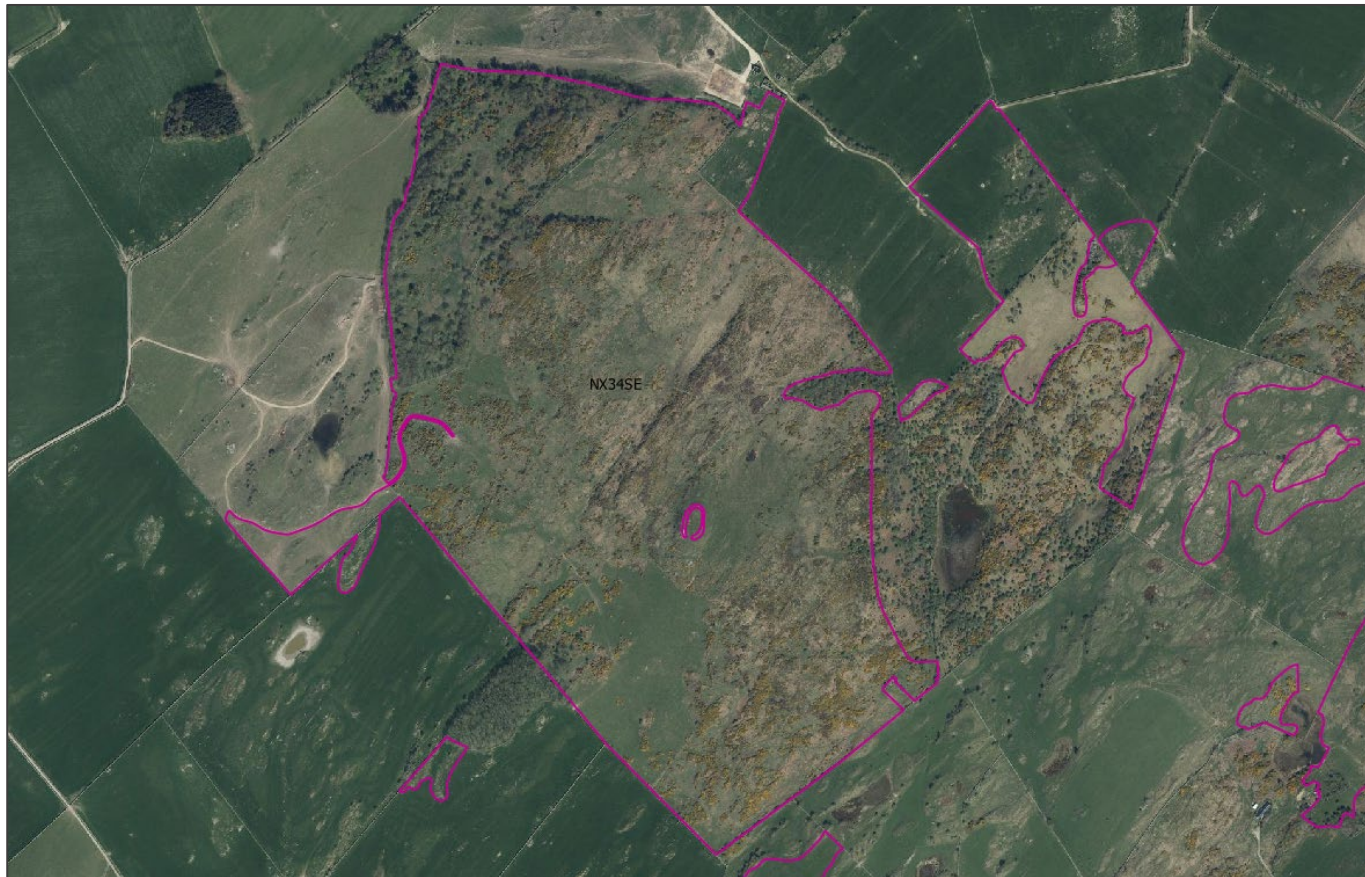
Table 3: Location of example two.

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

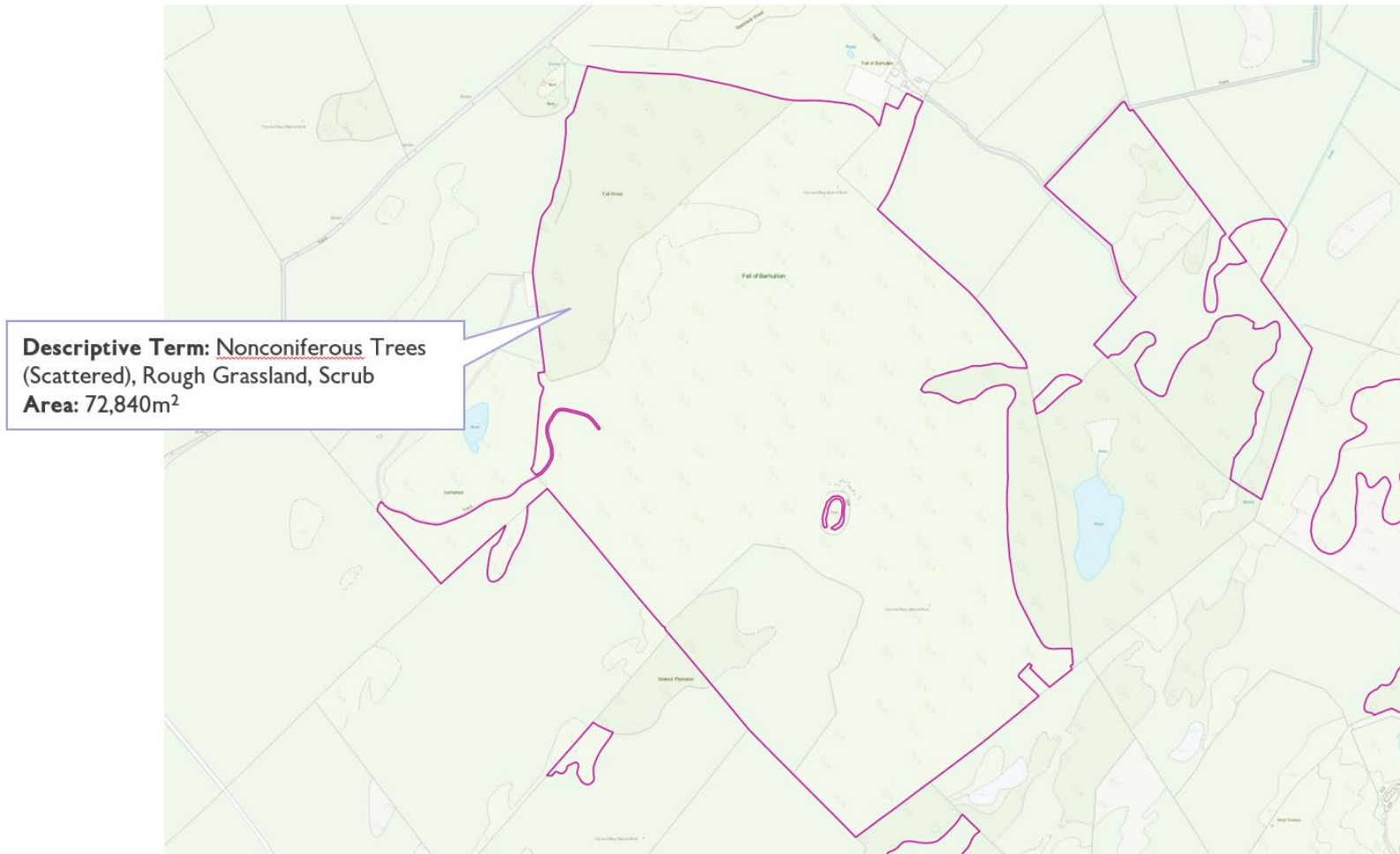
Table 4: TOIDs for example two.

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

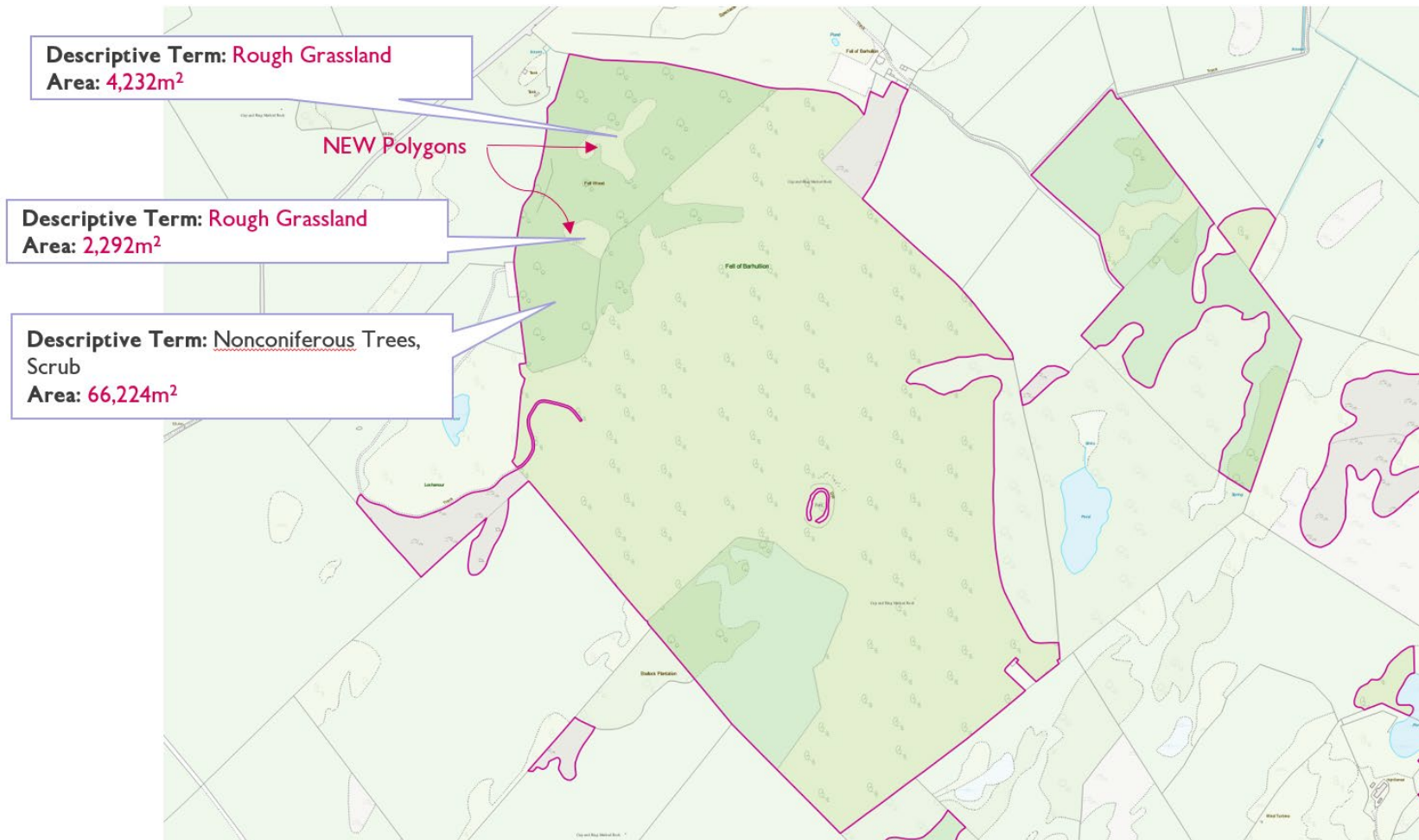
Source imagery of example area two for comparative purposes:



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):

