

OS MasterMap Topography Layer

Release Note – November 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 November 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 21/09/2023 (Previous release)	Count on 02/11/2023 (Current release)
Total Feature Count	506 051 882	506 484 147
Count of Topo Area	126 561 435	126 697 703
Count of Topo Line	348 736 616	348 999 864
Count of Topo Point	4 321 409	4 333 471
Count of Topo Bline	533 621	533 428
Count of Topo CartoSym	3 722 356	3 734 550
Count of Topo CartoTxt	22 176 445	22 185 131
Total Count of Deletes	552 193	482 784
Count of Topo Area deletions	90 968	78 620
Count of Topo Line deletions	413 319	360 998
Count of Topo Point deletions	4 058	3 993
Count of Topo Bline deletions	1 023	591
Count of Topo CartoSymcc deletions	9 835	9 635
Count of Topo CartoTxtcc deletions	32 990	28 947

OSMM Topography Layer	Count on 21/09/2023 (Previous release)	Count on 02/11/2023 (Current release)
Total Count of Inserts	972 994	915 049
Count of Topo Area inserts	225 863	214 888
Count of Topo Line inserts	672 929	624 246
Count of Topo Point inserts	14 334	16 055
Count of Topo Bline inserts	530	398
Count of Topo CartoSym inserts	20 171	21 829
Count of Topo CartoTxt inserts	39 167	37 633
Total Count of Modifications	833 584	681 711
Count of Topo Area Modifications	378 432	289 725
Count of Topo Line Modifications	430 672	369 012
Count of Topo Point Modifications	319	374
Count of Topo Bline Modifications	1 190	674
Count of Topo CartoSym Modifications	103	57
Count of Topo CartoTxt Modifications	22 868	21 869
COU Size (bytes)	413 944 082	402 922 509

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

- 26 minor errors were detected, which is 22 more than the 48 errors found in the last refresh. Of these errors, 3 have existed since the previous refresh – these are minor issues caused by 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. In the previous release over 1100 affected Post Offices were noted. As a result, there are 966 remaining without cartographic text of 'Post Office' or 'PO' in the November 2023 release of OSMM Topography Layer. A solution is currently being implemented 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)
osgb1000000288205307	259068.6, 910831.5
osgb5000005183695974	410989.2, 439867.5
osgb1000002057136077	548427.559, 256068.45
osgb1000000168084341	310922.73, 967740.4
osgb1000000321127198	231400.028, 393013.406
osgb5000005103319502	549683.928, 349919.463

Next release

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

4th January 2024.

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

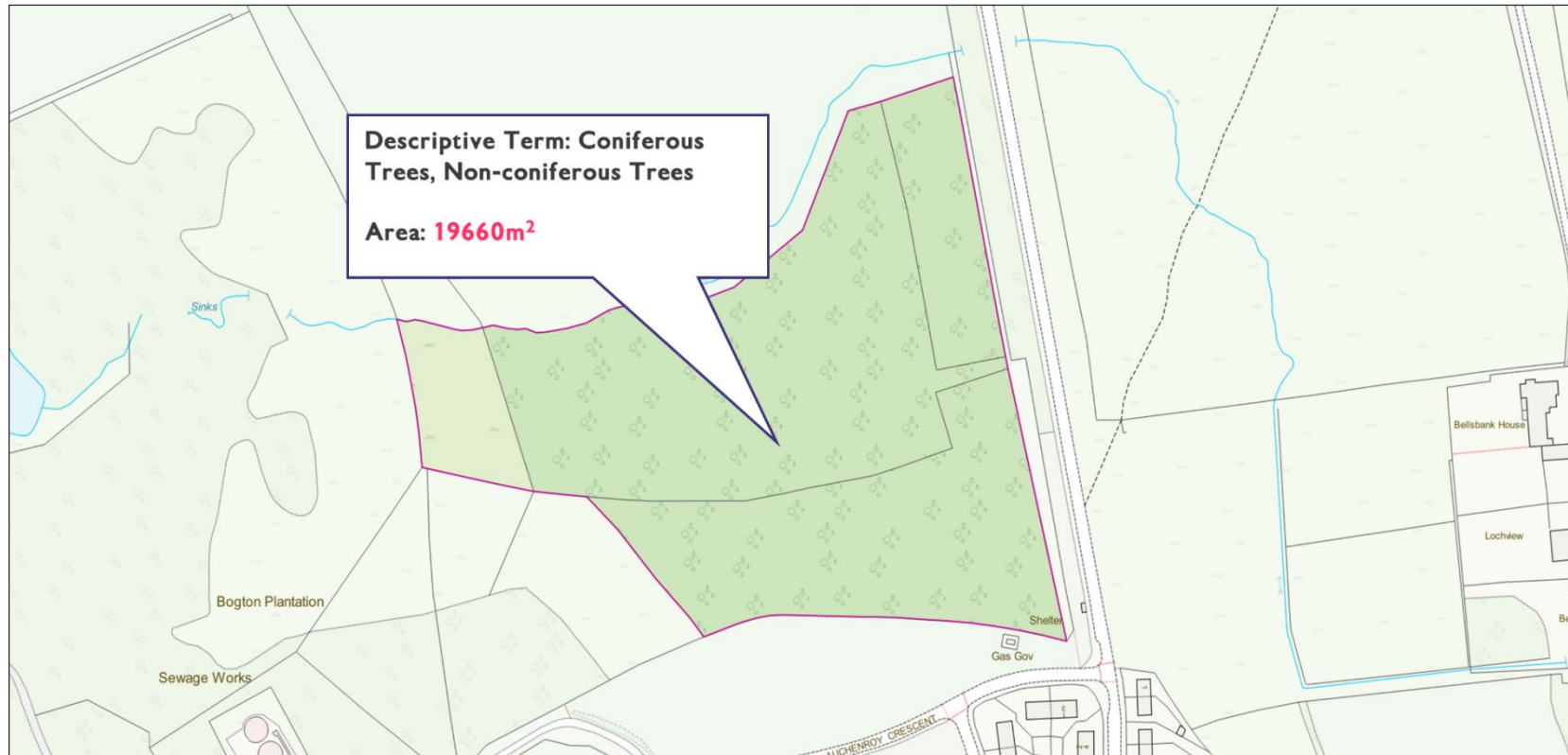
Table 2: TOIDs for example one.

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

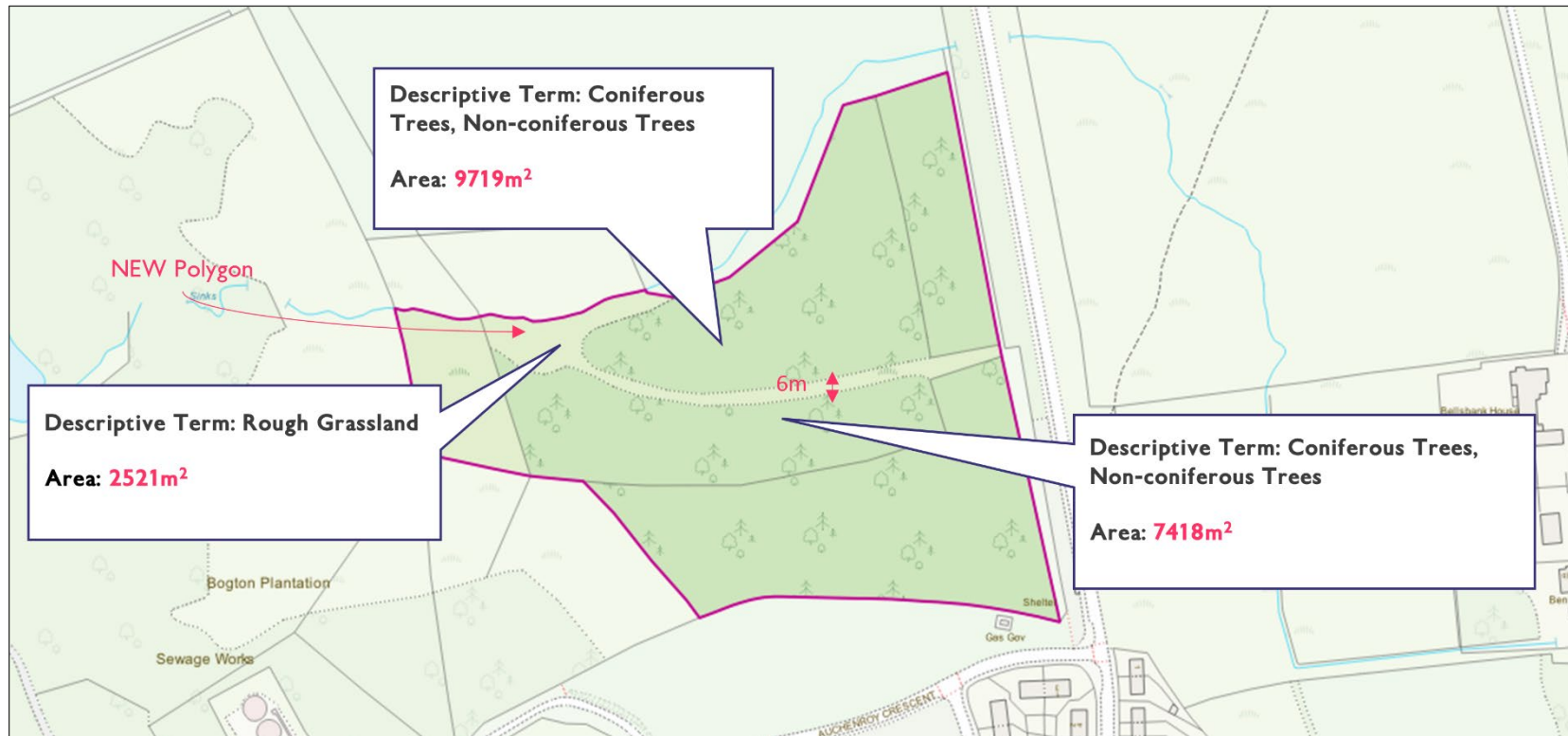
Source imagery of example area one for comparative purposes:



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

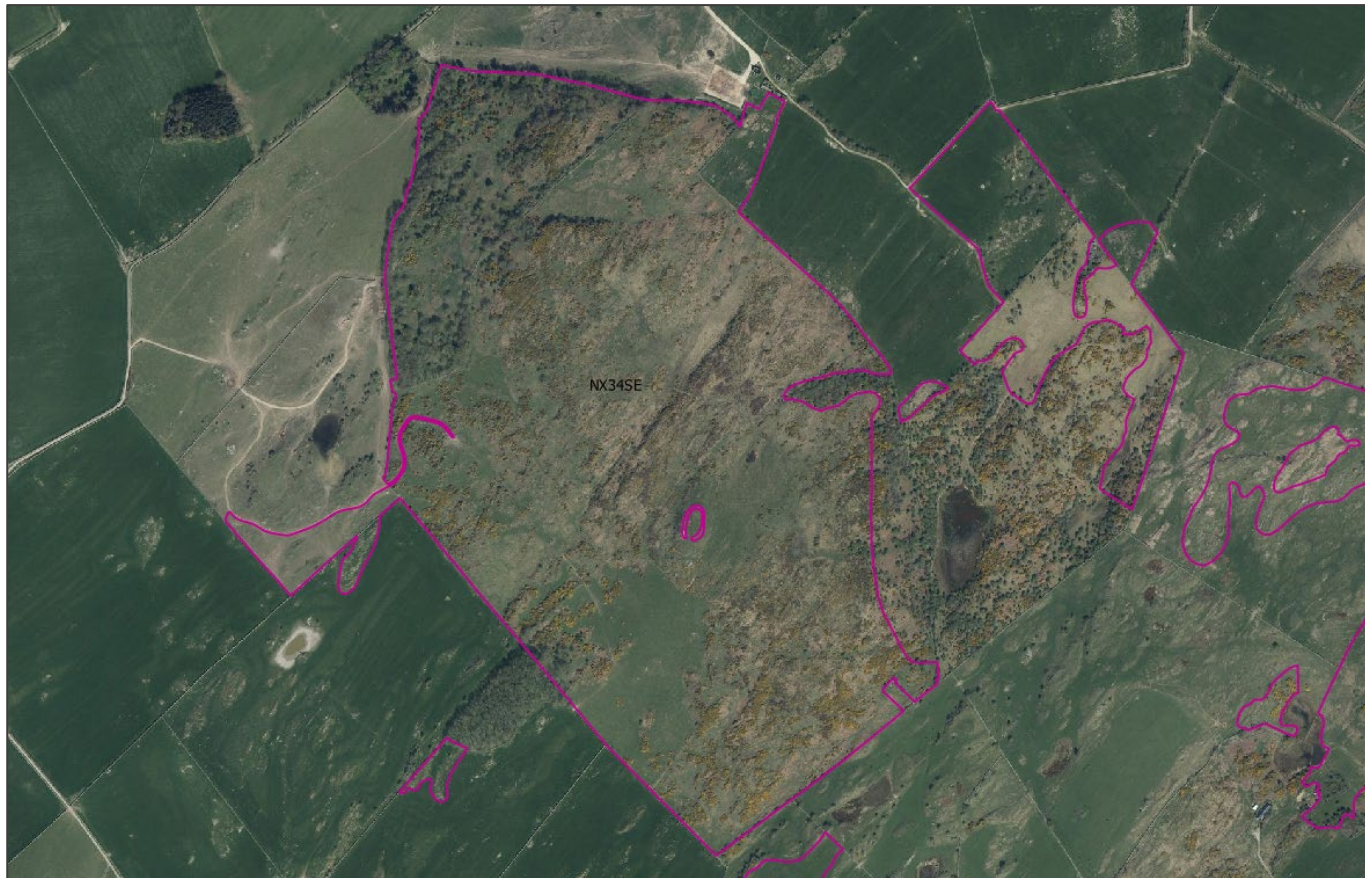
Table 3: Location of example two.

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

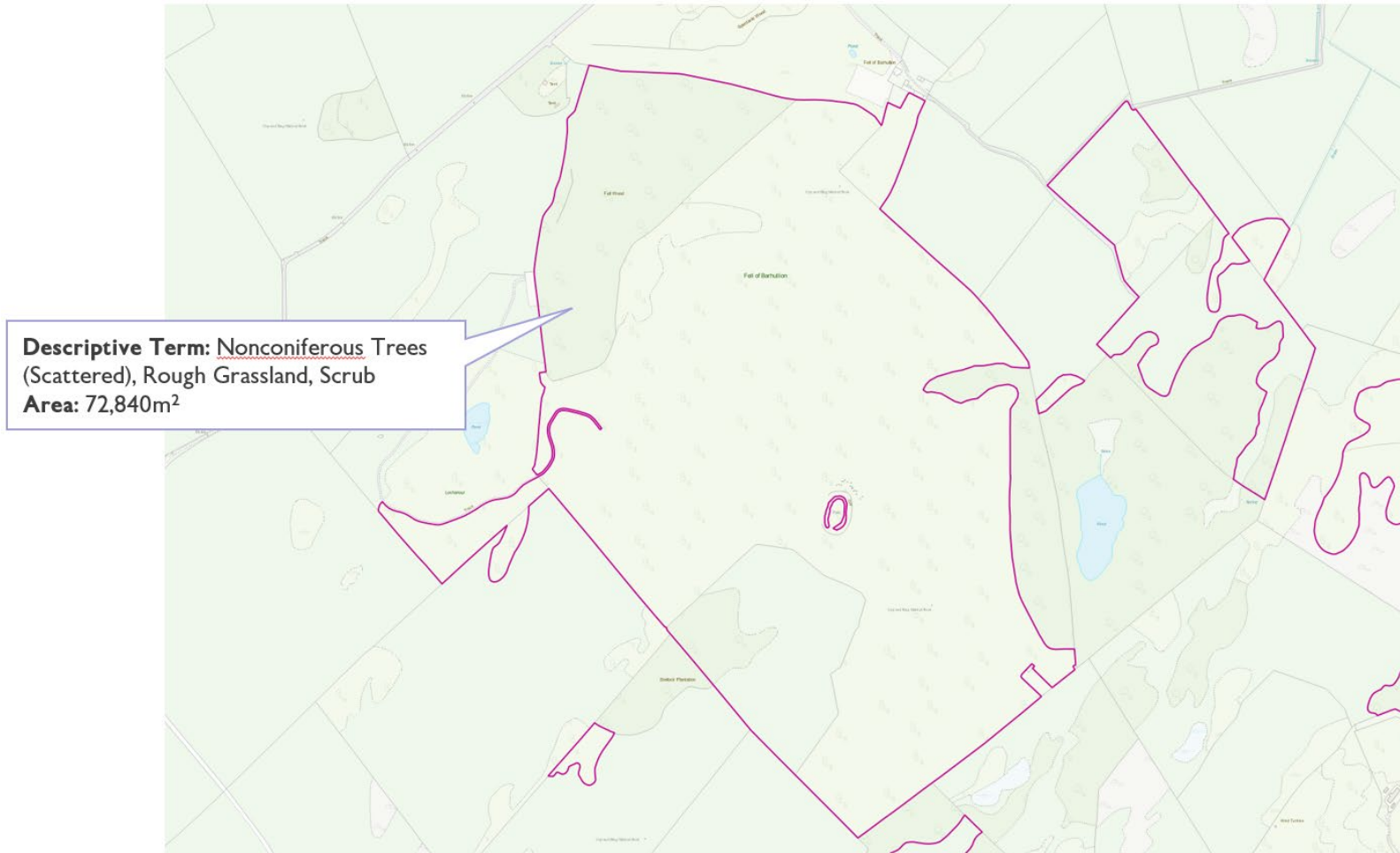
Table 4: TOIDs for example two.

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

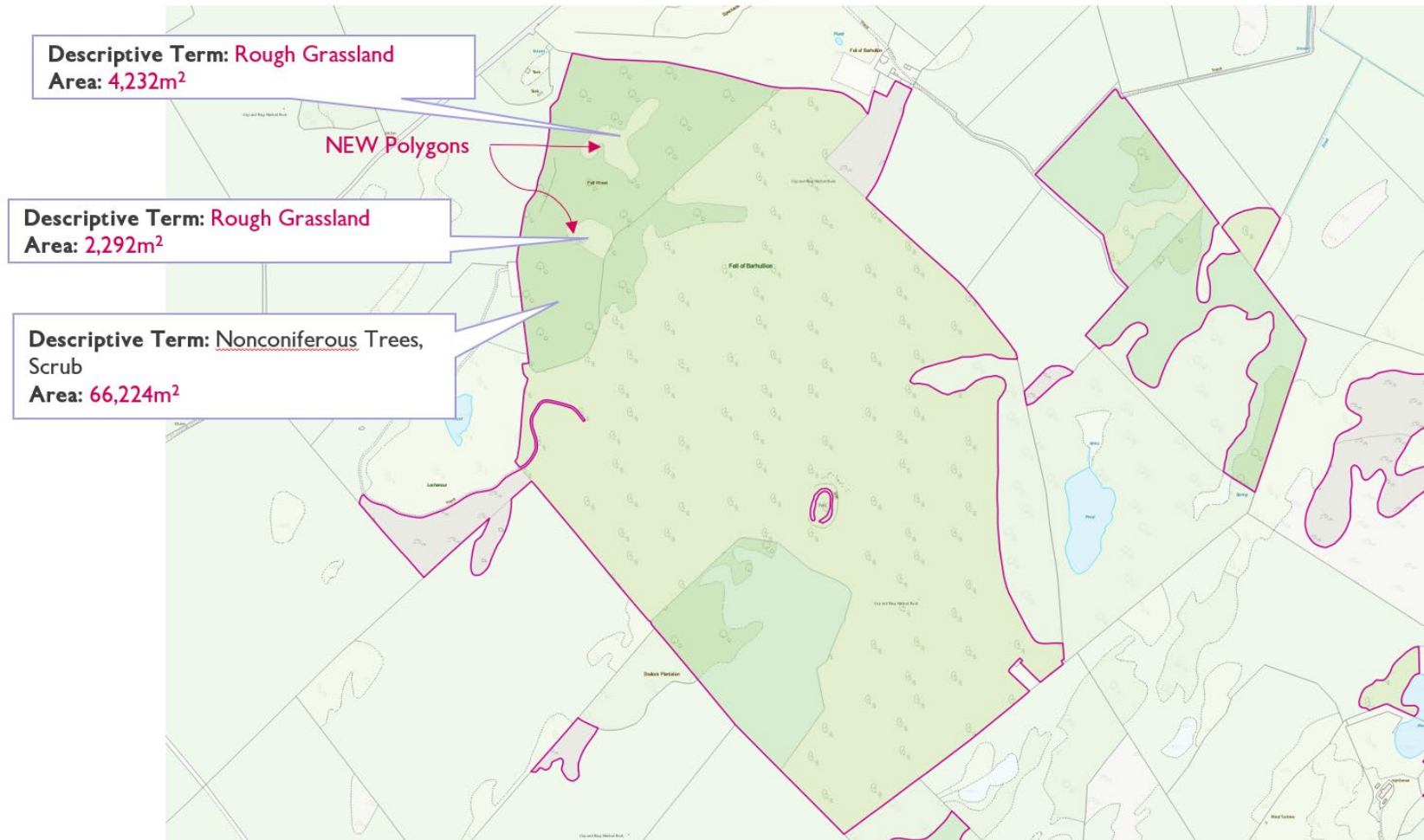
Source imagery of example area two for comparative purposes:



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):

