

OS MasterMap Topography Layer

Release Note – February 2023

Version	Change
1.0	Initial publication of this release note.
1.1	Additional information added to the Discrepancies section on page 2 about post offices being incorrectly attributed or deleted in the product due to data misinterpretation. Column title improved in the table in the Changed TOIDs section.

Introduction

This release note provides information about the latest release of OS MasterMap (OSMM) Topography Layer on 13 February 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 08/12/2022 (Previous release)	Count on 26/01/2023 (Current release)
Total Feature Count	503 567 278	503 947 582
Count of Topo Area	125 635 562	125 802 797
Count of Topo Line	347 245 044	347 457 109
Count of Topo Point	4 300 597	4 300 889
Count of Topo Bline	538 183	537 368
Count of Topo CartoSym	3 707 551	3 706 010
Count of Topo CartoTxt	22 140 341	22 143 409
Total Count of Deletes	690 578	959 896
Count of Topo Area deletions	104 042	143 256
Count of Topo Line deletions	553 780	759 665
Count of Topo Point deletions	1 290	1 260
Count of Topo Bline deletions	1 050	1 447

OSMM Topography Layer	Count on 08/12/2022 (Previous release)	Count on 26/01/2023 (Current release)
Count of Topo CartoSymcc deletions	3 381	4 125
Count of Topo CartoTxtcc deletions	27 035	50 143
Total Count of Inserts	990 122	1 340 200
Count of Topo Area inserts	233 521	310 491
Count of Topo Line inserts	717 384	971 730
Count of Topo Point inserts	3 183	1 552
Count of Topo Bline inserts	501	632
Count of Topo CartoSym inserts	2 488	2 584
Count of Topo CartoTxt inserts	33 045	53 211
Total Count of Modifications	1 168 222	1 655 847
Count of Topo Area Modifications	539 192	763 929
Count of Topo Line Modifications	609 784	864 449
Count of Topo Point Modifications	252	408
Count of Topo Bline Modifications	1 041	3 183
Count of Topo CartoSym Modifications	67	65
Count of Topo CartoTxt Modifications	17 886	23 813
COU Size (bytes)	533 073 957	648 080 603

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 \(https://osdatahub.os.uk/\)](https://osdatahub.os.uk/).

Discrepancies

- 15 minor errors were detected, which is up from 7 errors in the last refresh, 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 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)
osgb1000000387117637	131308.74, 725131.1
osgb1000000222356494	318234.08, 492684.42
osgb5000005136039522	627152.299, 338512.094
osgb1000000070327592	418691.62, 564226.04
osgb1000000222736240	323281.241, 461875.902
osgb5000005163157121	648788.18, 303384.98

Next release

The next release of OS MasterMap Topography Layer is scheduled for 27 March 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

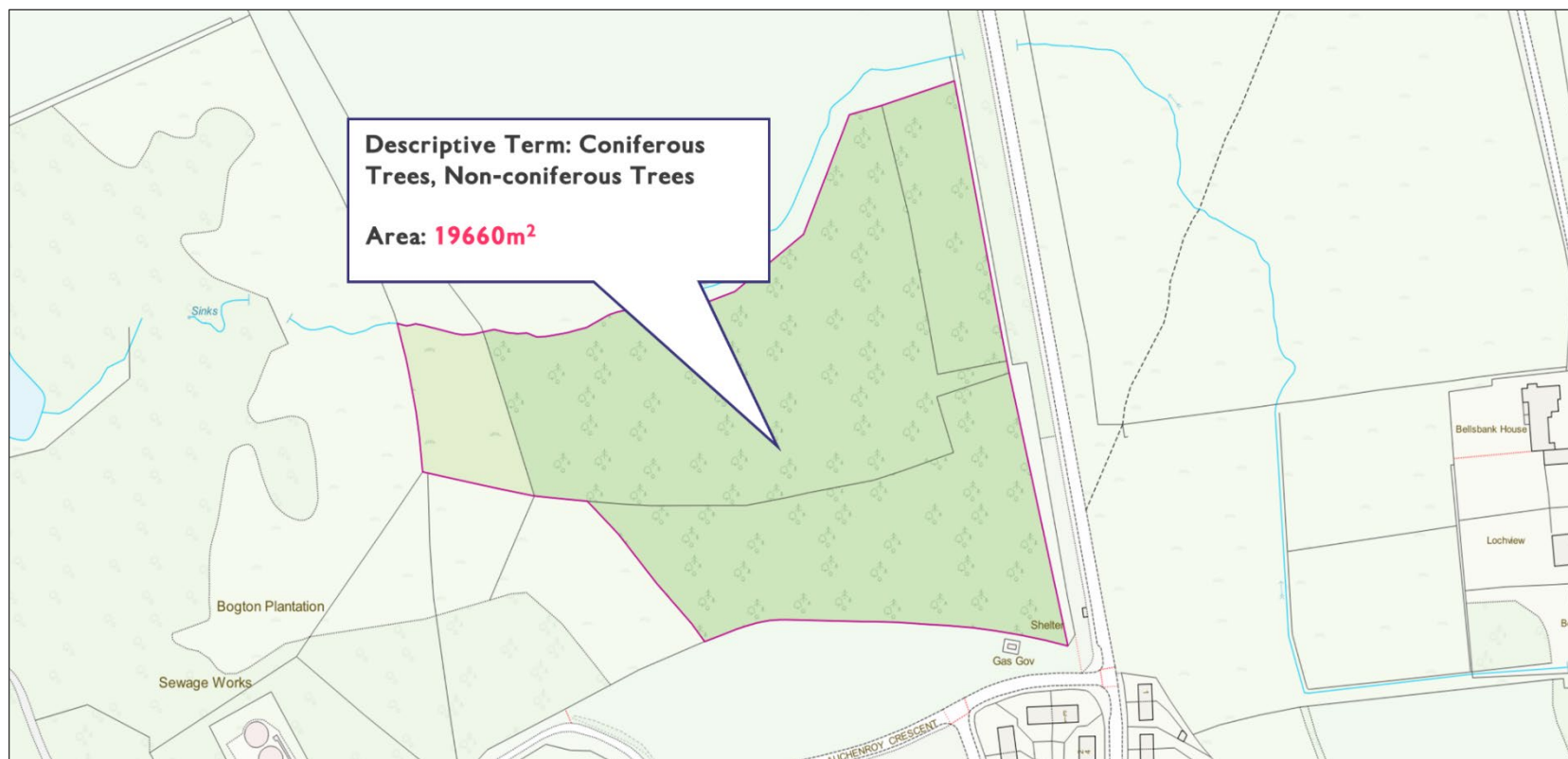
Table 2: TOIDs for example one.

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

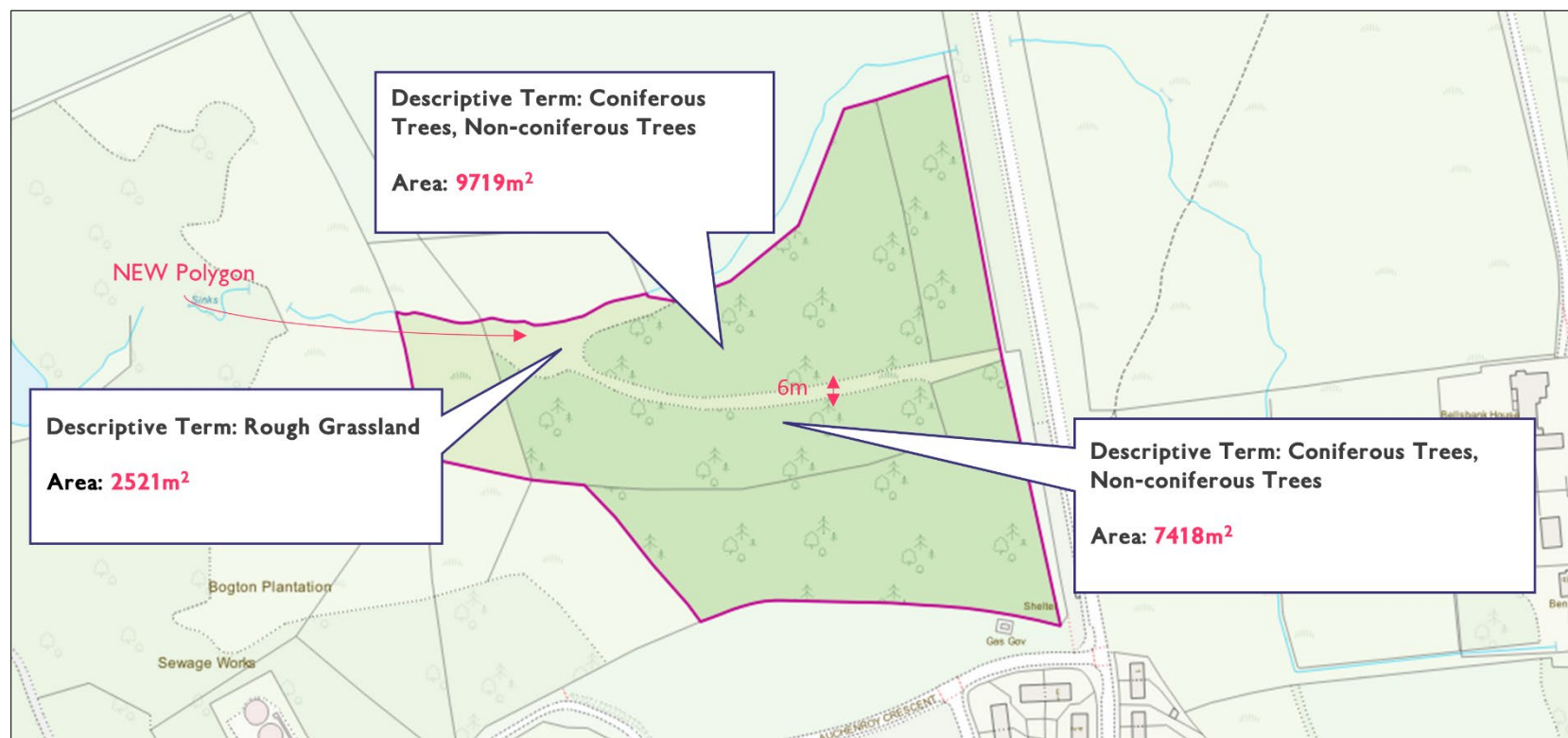
Source imagery of example area one for comparative purposes:



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

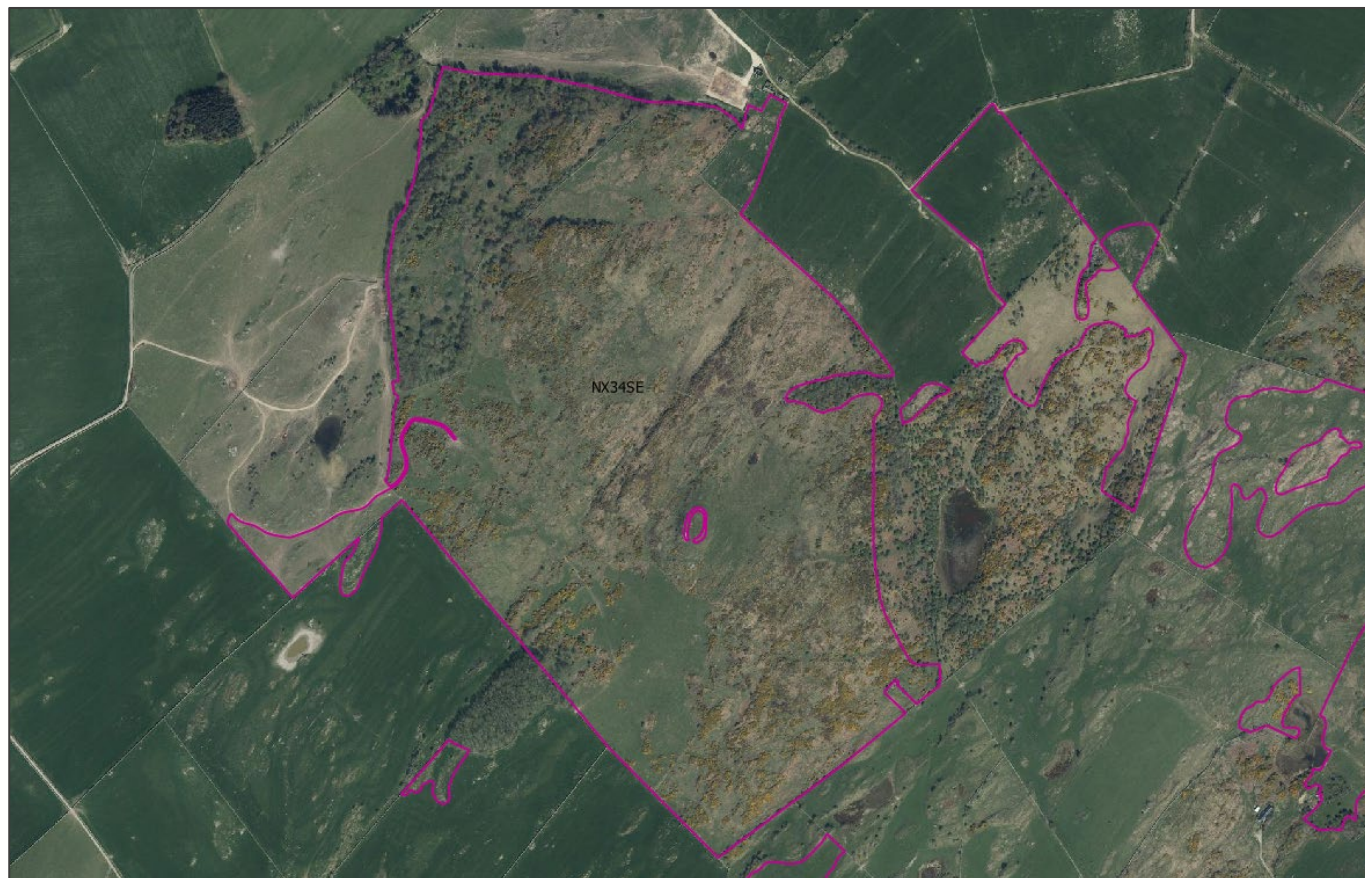
Table 3: Location of example two.

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:



100



100



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):

