OS MasterMap Topography Layer Release Note – November 2022

Version	Change
1.0	Initial publication of this release note.
1.1	Correction made to the OSMM Topography Layer product count table: counts corrected in the third column – 'Count on 27/10/2022 (Current release)'.

Introduction

This release note provides information about the latest release of OS MasterMap (OSMM) Topography Layer on 14 November 2022.

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 15/09/2022 (Previous release)	Count on 27/10/2022 (Current release)
Total Feature Count	**502 872 456**	**503 267 734**
Count of Topo Area	125 359 557	125 506 083
Count of Topo Line	346 842 484	347 081 440
Count of Topo Point	4 297 357	4 298 704
Count of Topo Bline	538 986	538 732
Count of Topo CartoSym	3 708 715	3 708 444
Count of Topo CartoTxt	22 125 357	22 134 331
Total Count of Deletes	**569 976**	**652 923**
Count of Topo Area deletions	87 477	103 122
Count of Topo Line deletions	466 521	532 684
Count of Topo Point deletions	1 415	1 647
Count of Topo Bline deletions	869	667
Count of Topo CartoSymcc deletions	2 837	2 955

OSMM Topography Layer	Count on 15/09/2022 (Previous release)	Count on 27/10/2022 (Current release)
Count of Topo CartoTxtcc deletions	10 857	11 848
Total Count of Inserts	**903 756**	**1 048 201**
Count of Topo Area inserts	214 787	249 648
Count of Topo Line inserts	664 904	771 640
Count of Topo Point inserts	1 597	2 994
Count of Topo Bline inserts	457	413
Count of Topo CartoSym inserts	2 408	2 684
Count of Topo CartoTxt inserts	19 603	20 822
Total Count of Modifications	**978 900**	**1 175 922**
Count of Topo Area Modifications	431 165	532 151
Count of Topo Line Modifications	539 800	634 705
Count of Topo Point Modifications	198	166
Count of Topo Bline Modifications	686	913
Count of Topo CartoSym Modifications	38	61
Count of Topo CartoTxt Modifications	7 013	7 926
COU Size (bytes)	**412 245 296**	**513 908 865**

Discrepancies

13 minor errors were detected, which is up from 7 errors in the last refresh, but there are no visible issues.

Changed TOIDs

Many TOIDs have changed since the last refresh, resulting in a visual difference in the data. The list below shows a sample of changed TOIDs that you can use as 'lookup samples' to validate that your latest supply has updated correctly:

- osgb1000002052386968
- osgb5000005141655529
- osgb1000002676126074
- osgb1000000660121296
- osgb1000000220670830
- osgb1000000005350187

Land cover refinement changes

The land cover specification for mountain and moorland (M&M) and rural geographies has been refined.

The M&M geography updates have now been fully captured. All updates had been fed through to OSMM Topography Layer as of the August release.

The rural geography updates began capture in May 2022. The initial updates fed through to the July 2022 release of OSMM Topography Layer and will continue to feed through to product, as scheduled, until February 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 M&M and 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 four examples of how the M&M land cover refinement is being translated into OSMM Topography Layer. Annex B shows three examples of how the rural land cover refinement is being translated into OSMM Topography Layer.

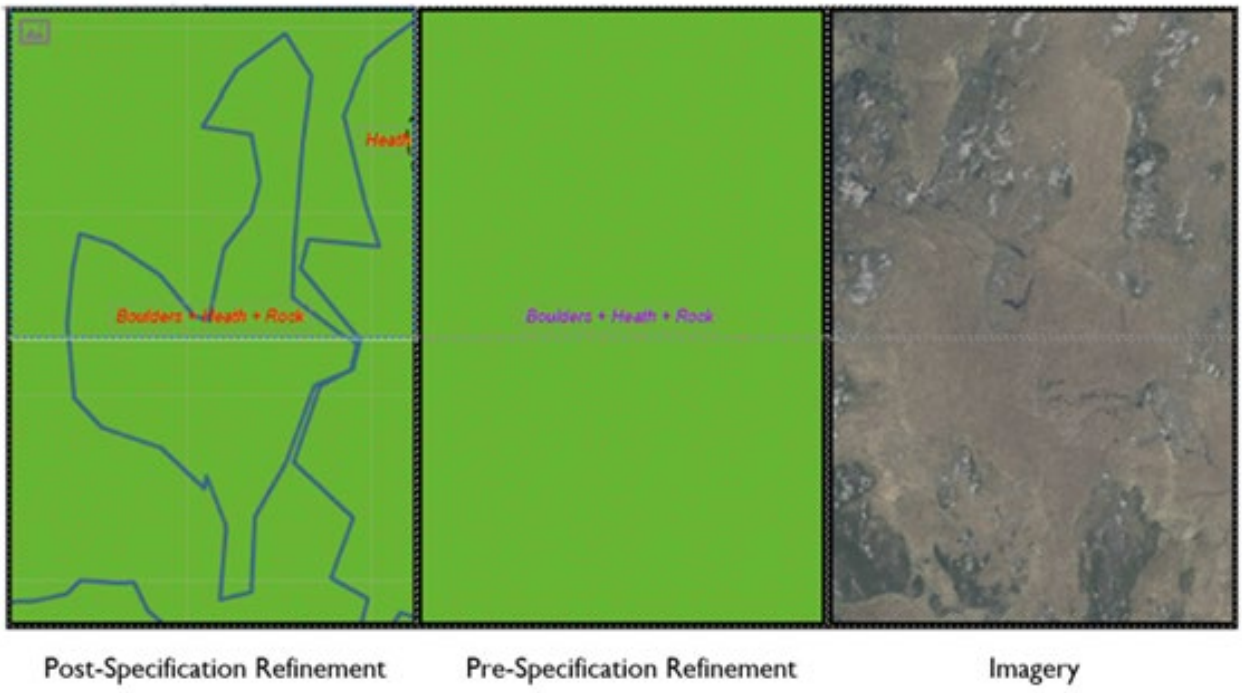
Next release

The next release of OS MasterMap Topography Layer is scheduled for 03 January 2023.

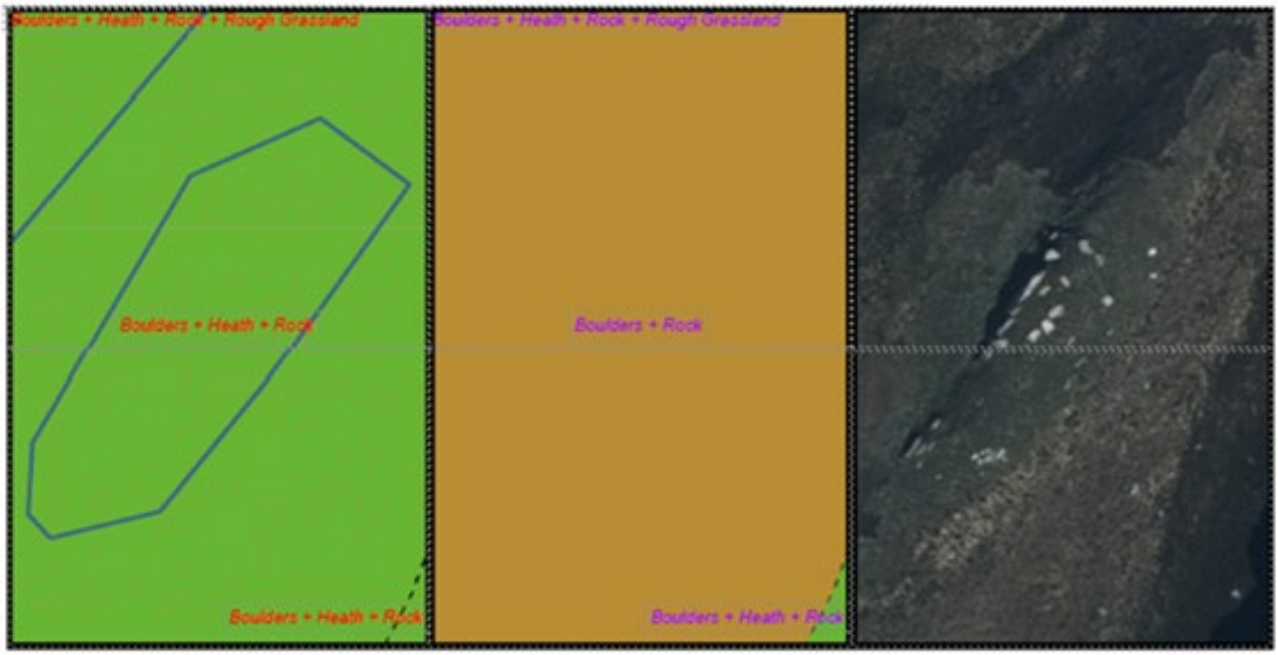
Annex A: M&M land cover specification refinement examples

Below are four examples that show how the M&M land cover specification refinement is reflected in the data of OSMM Topography Layer itself.

The first example shows how an area of 'Heath' has been separated out from the surrounding vegetation:

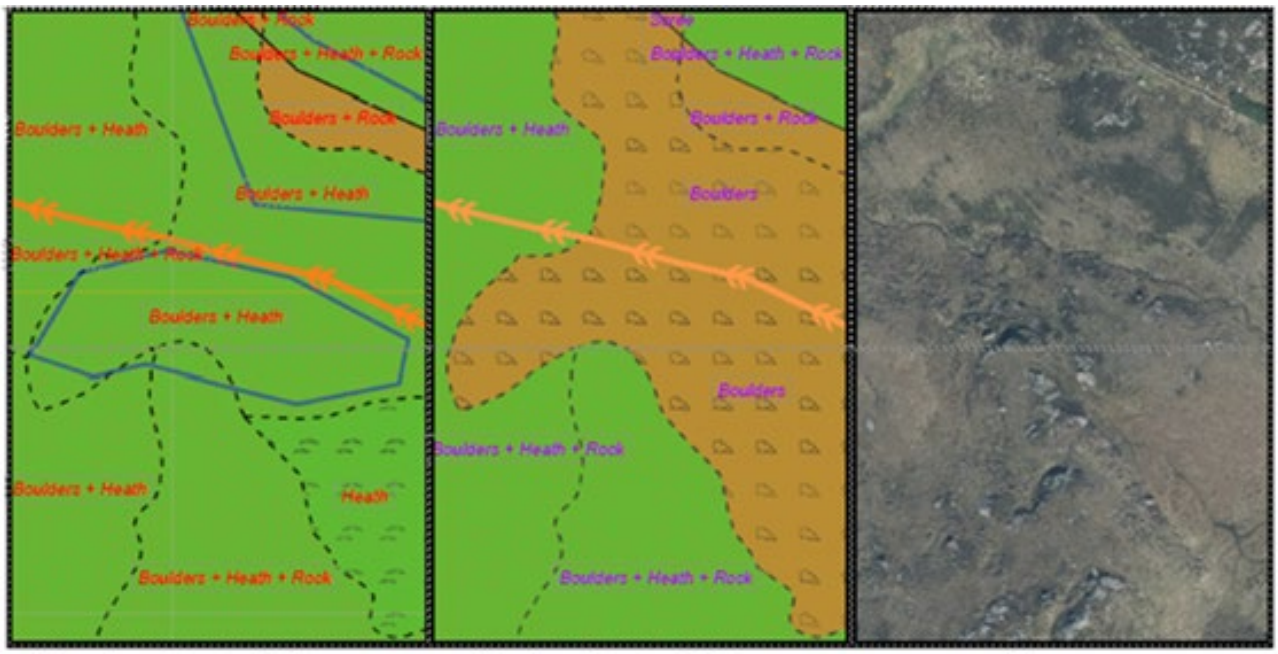


The second example also shows how an area of 'Heath' has been separated out from the surrounding vegetation mix:



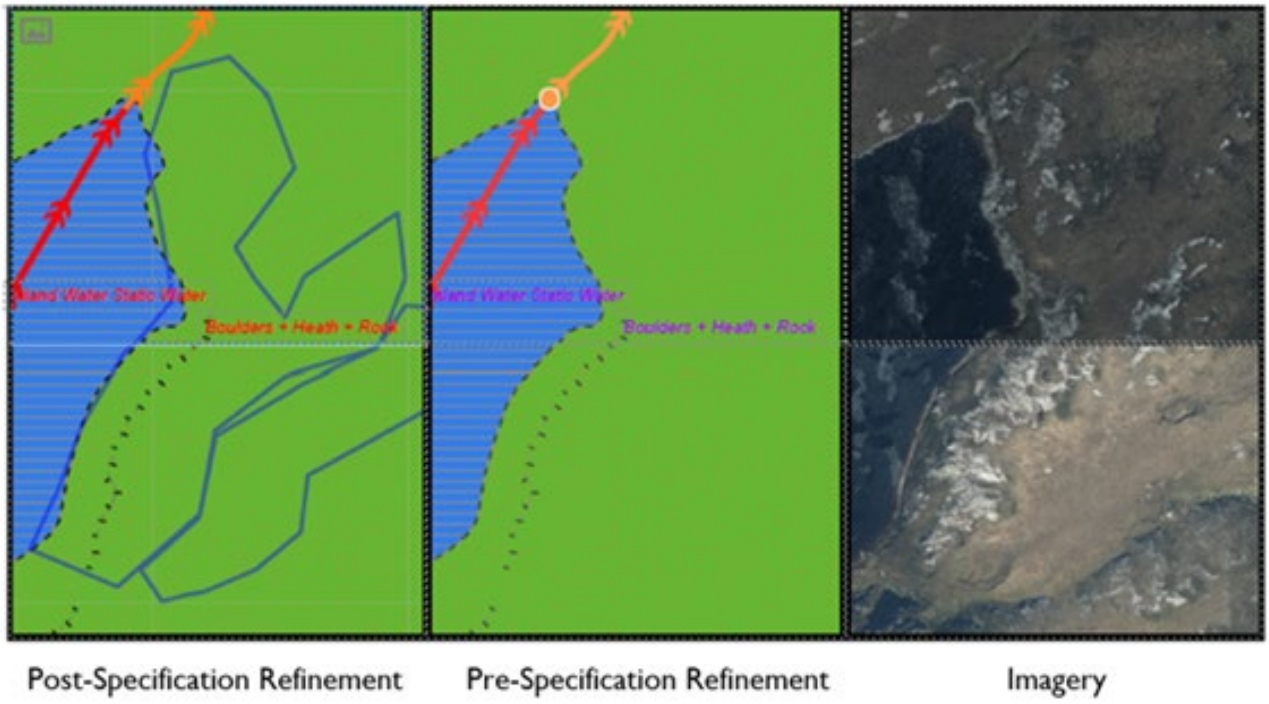
Post-Specification Refinement | Pre-Specification Refinement | Imagery

The third example shows how areas that were previously captured solely as 'Boulders' have been separated out and refined into multiple polygons that depict a mixture of different land cover areas:



Post-Specification Refinement | Pre-Specification Refinement | Imagery

The final example shows how an area of ‘Rock’ has been separated out from surrounding vegetation:



Annex B: 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.

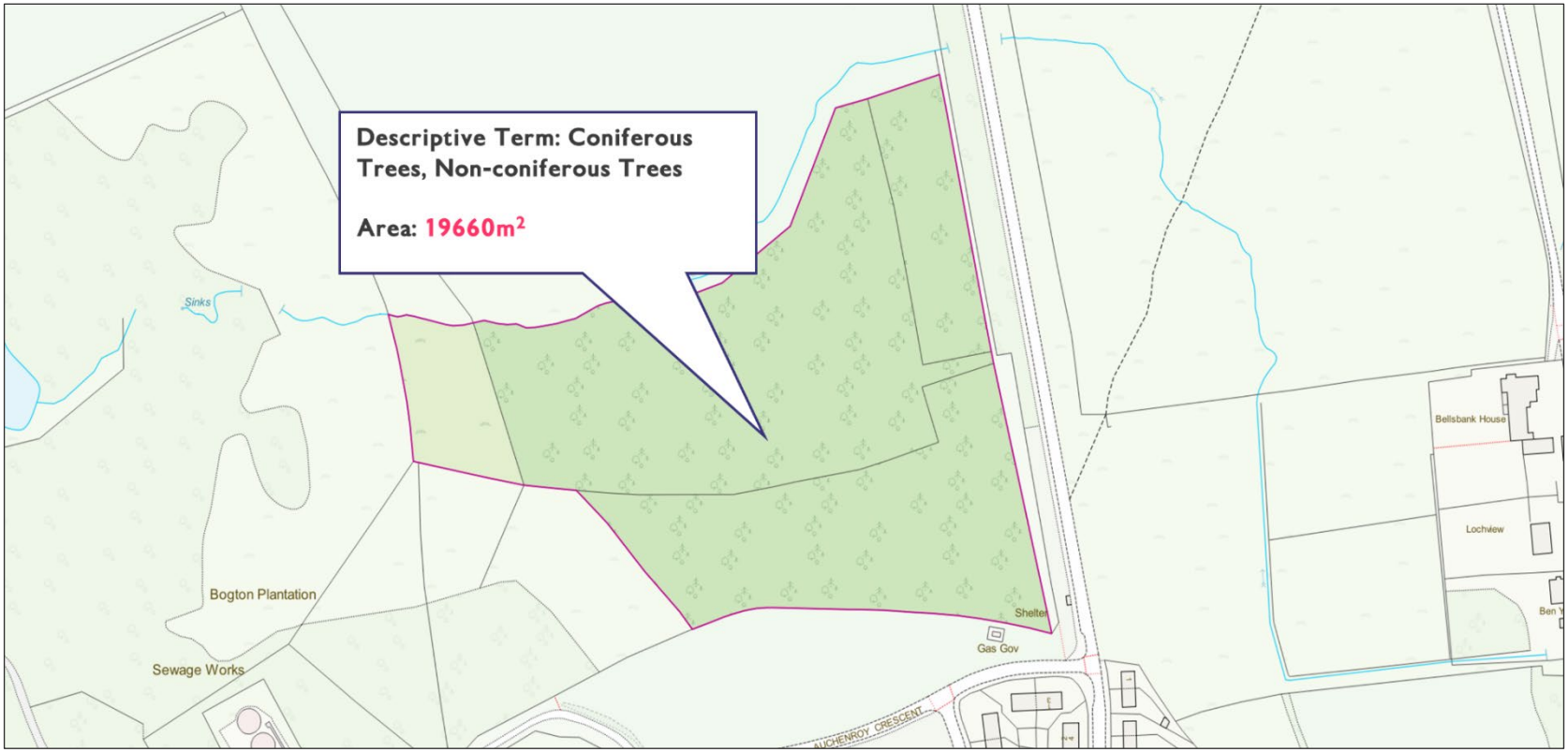
5km tile	OS grid reference	Coordinates (OSGB36)
NS4505	NS 47825 05240	247790.7,605224.0

Table 2: TOIDs for example one.

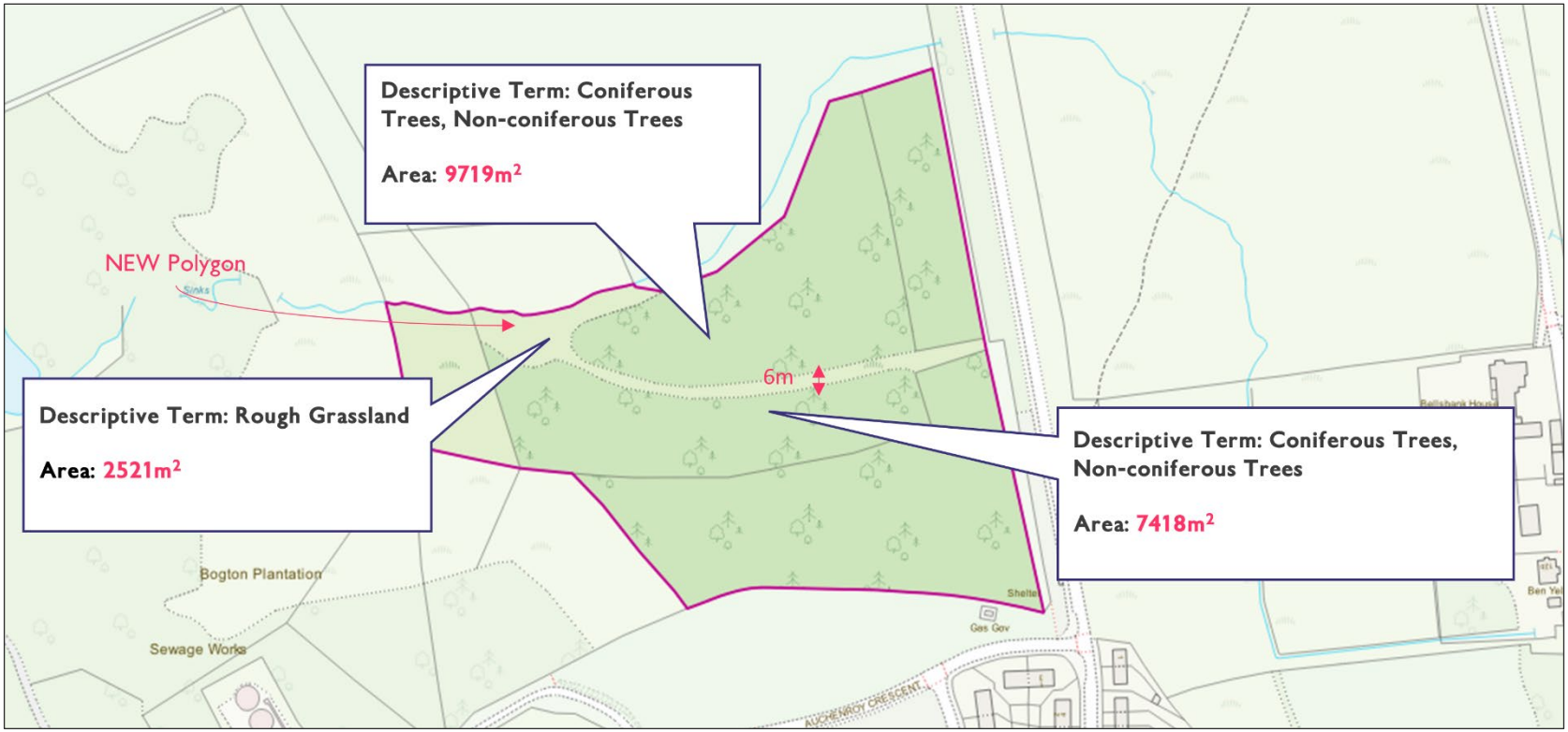
OSMM Topography Layer (July 2022)	OSMM Topography Layer (August 2022)
osgb1000000316775097	osgb5000005297485451
	osgb5000005297485455
	osgb5000005297485456

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

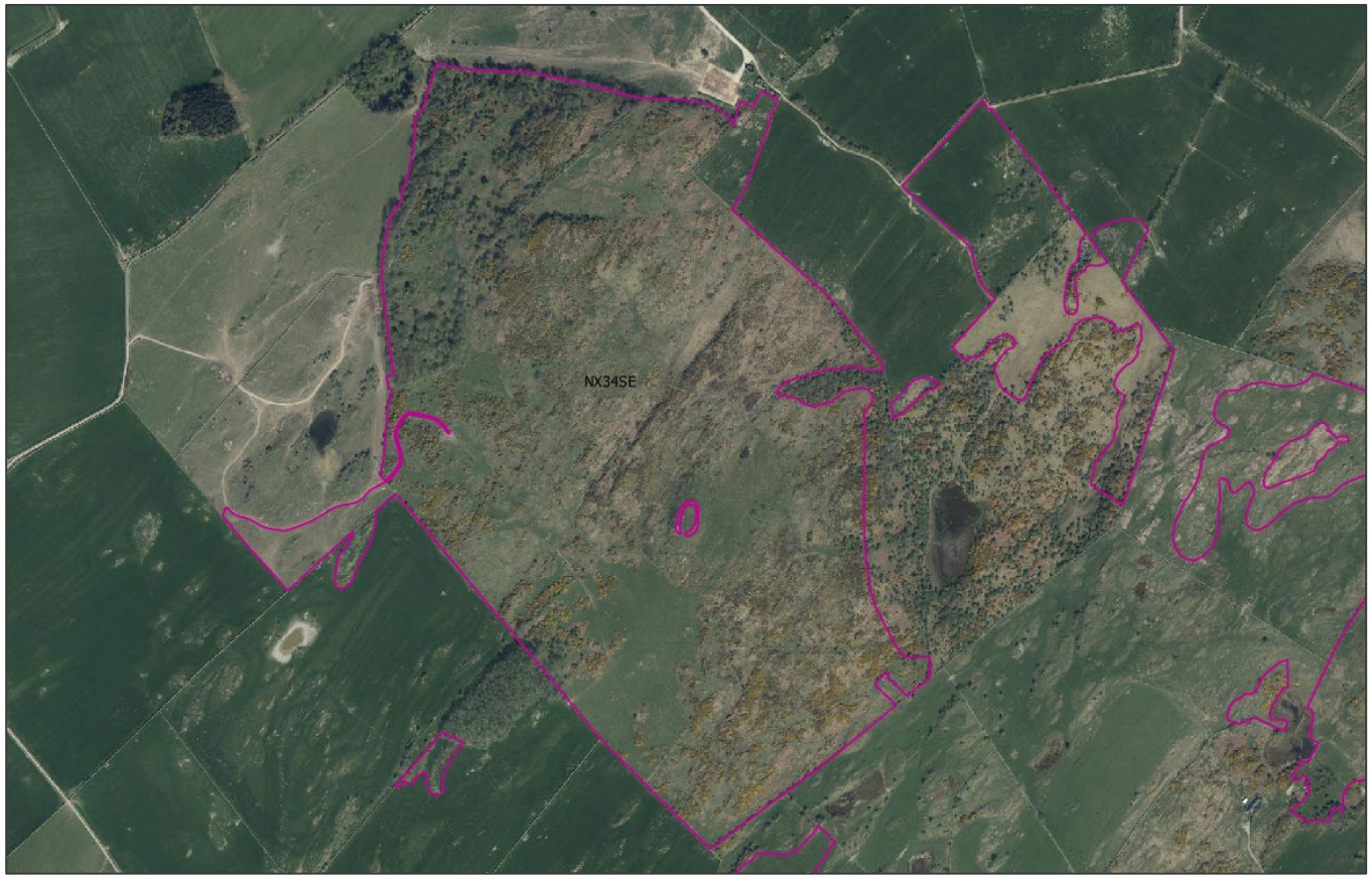
Table 3: Location of example two.

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

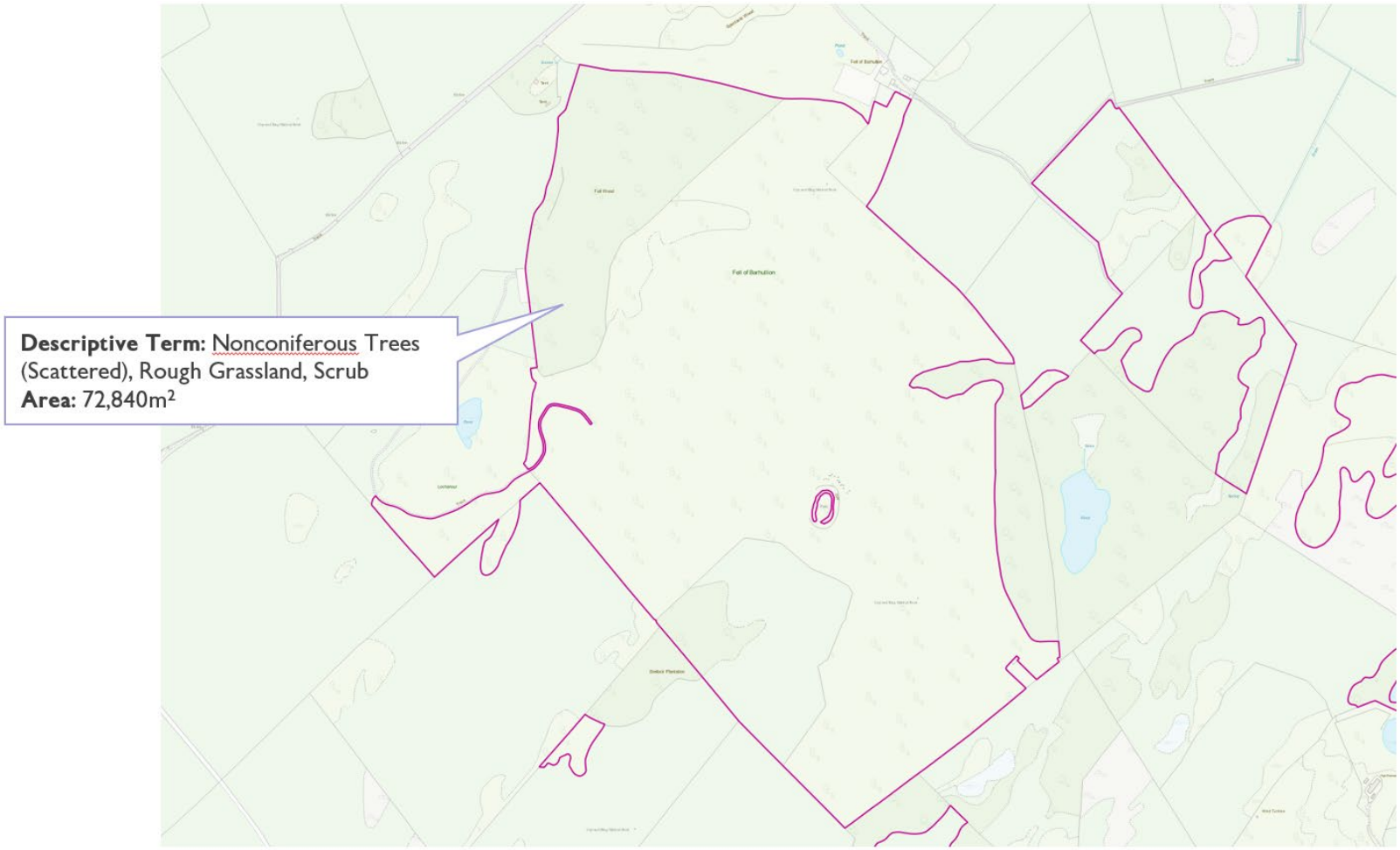
Table 4: TOIDs for example two.

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

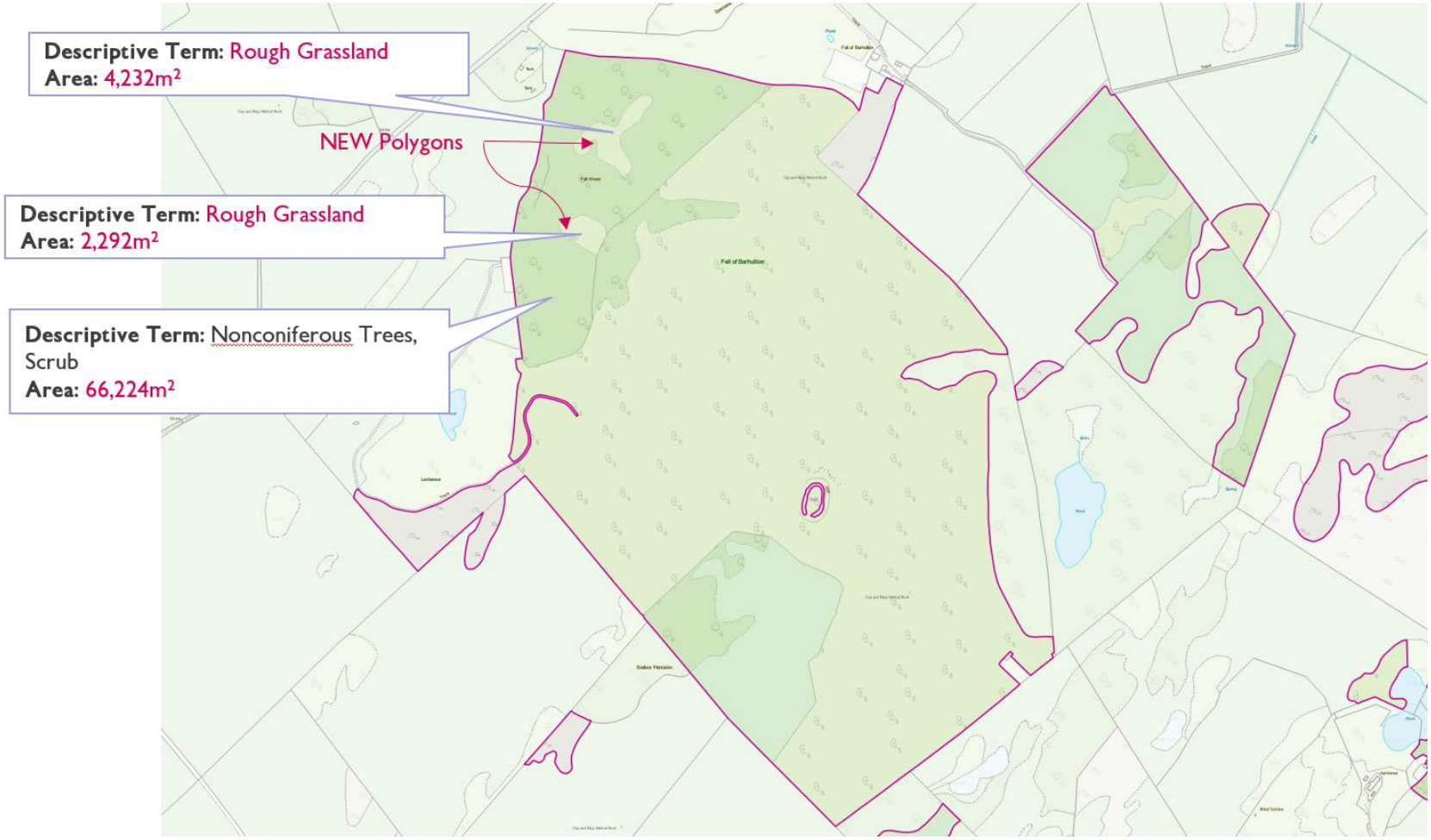
Source imagery of example area two for comparative purposes:



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):