OS MasterMap Topography Layer Release Note – June 2024

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, released to customers on 24th June 2024.

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 25/04/2024 (Previous release)	Count on 06/06/2024 (Current release)
Total Feature Count	**508 329 170**	**508 882 836**
Count of Topo Area	127 146 339	127 289 166
Count of Topo Line	350 253 247	350 655 720
Count of Topo Point	4 385 721	4 388 037
Count of Topo Bline	532 257	531 327
Count of Topo CartoSym	3 788 842	3 789 871
Count of Topo CartoTxt	22 222 764	22 228 715
Total Count of Deletes	**387 625**	**602 375**
Count of Topo Area deletions	78 038	119 554
Count of Topo Line deletions	277 326	449 655
Count of Topo Point deletions	3 039	2 553
Count of Topo Bline deletions	533	1 350
Count of Topo CartoSymcc deletions	6 393	4 460
Count of Topo CartoTxtcc deletions	22 296	24 803

OSMM Topography Layer	Count on 25/04/2024 (Previous release)	Count on 06/06/2024 (Current release)
Total Count of Inserts	**837 247**	**1 156 041**
Count of Topo Area inserts	189 219	262 381
Count of Topo Line inserts	587 842	852 128
Count of Topo Point inserts	13 345	4 869
Count of Topo Bline inserts	218	420
Count of Topo CartoSym inserts	17 235	5 489
Count of Topo CartoTxt inserts	29 388	30 754
Total Count of Modifications	**736 646**	**1 181 874**
Count of Topo Area Modifications	369 267	601 058
Count of Topo Line Modifications	353 690	563 973
Count of Topo Point Modifications	231	220
Count of Topo Bline Modifications	2 681	2 947
Count of Topo CartoSym Modifications	44	46
Count of Topo CartoTxt Modifications	10 733	13 630
COU Size (bytes)	**333 062 363**	**507 742 477**

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)
osgb1000000828071143	283459.15, 558287.03
osgb1000032166978	420041.3, 420633.65
osgb1000002023902176	570547.2, 321617.6
osgb1000000051338601	400106.45, 867491.455
osgb5000005222007891	334818.55, 415223.62
osgb1000001792732699	516068.135, 172721.936

Discrepancies

In this release 5 minor errors were detected, of which 2 have existed since the previous refresh. All errors detected are considered to be minor. We aim to have all 5 errors resolved prior to the next release as part of ongoing quality improvements.

Next release

The next release of OS MasterMap Topography Layer is scheduled for 24th June 2024.

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 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 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.

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.

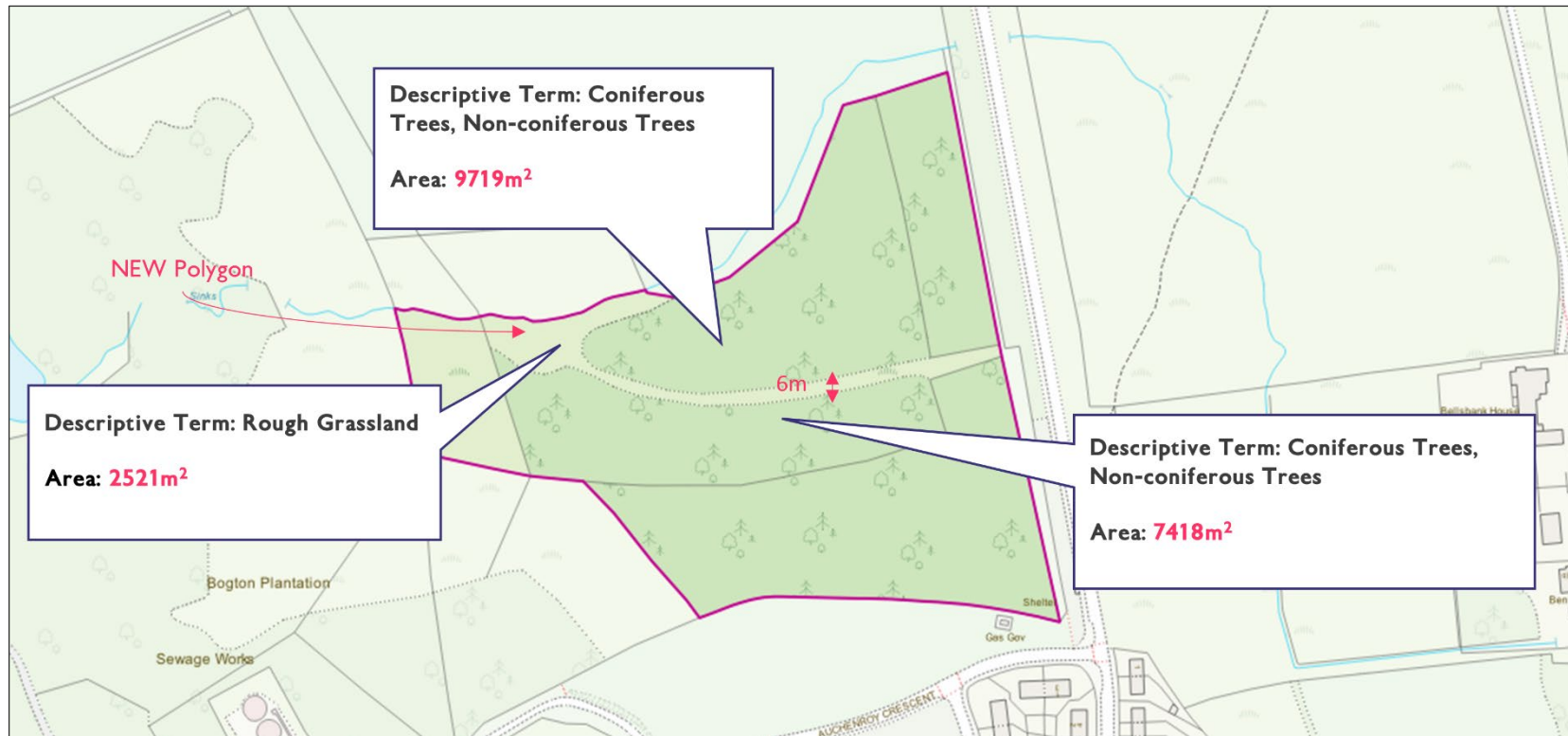| OSMM Topography Layer (July 2022)	OSMM Topography Layer (August 2022)
osgb1000000316775097	osgb5000005297485451
	osgb5000005297485455
	osgb5000005297485456

Source imagery of example area one for comparative purposes:

Data before the rural land cover specification refinement update (OSMM Topography Layer – July 2022):

Descriptive Term: Coniferous Trees, Non-coniferous Trees

Area: 19660m²

Data after the rural land cover specification refinement update (OSMM Topography Layer – August 2022):

Descriptive Term: Coniferous Trees, Non-coniferous Trees

Area: **9719m²**

NEW Polygon

Descriptive Term: Rough Grassland

Area: **2521m²**

6m

Descriptive Term: Coniferous Trees, Non-coniferous Trees

Area: **7418m²**

Bogton Plantation

Sewage Works
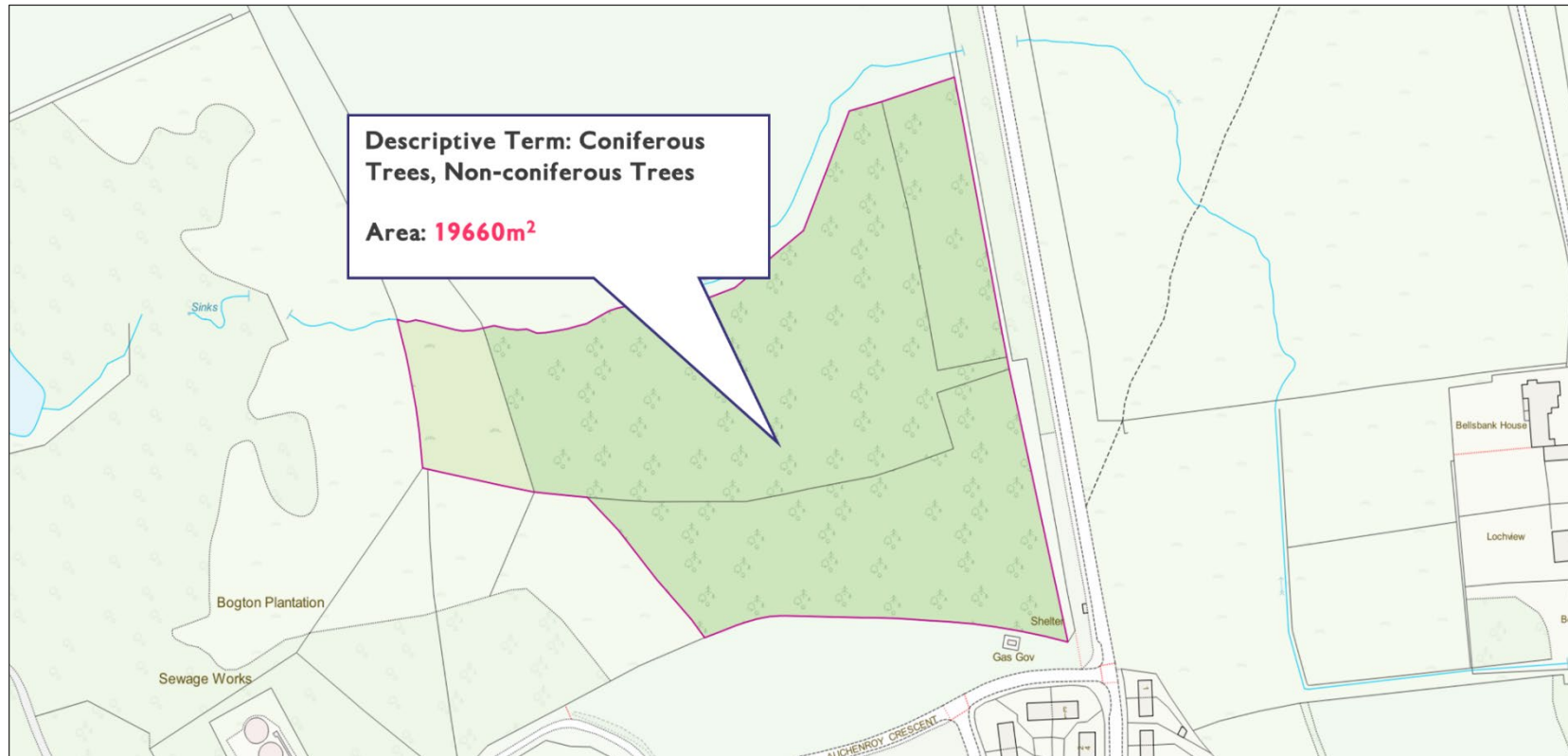
Example two

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.

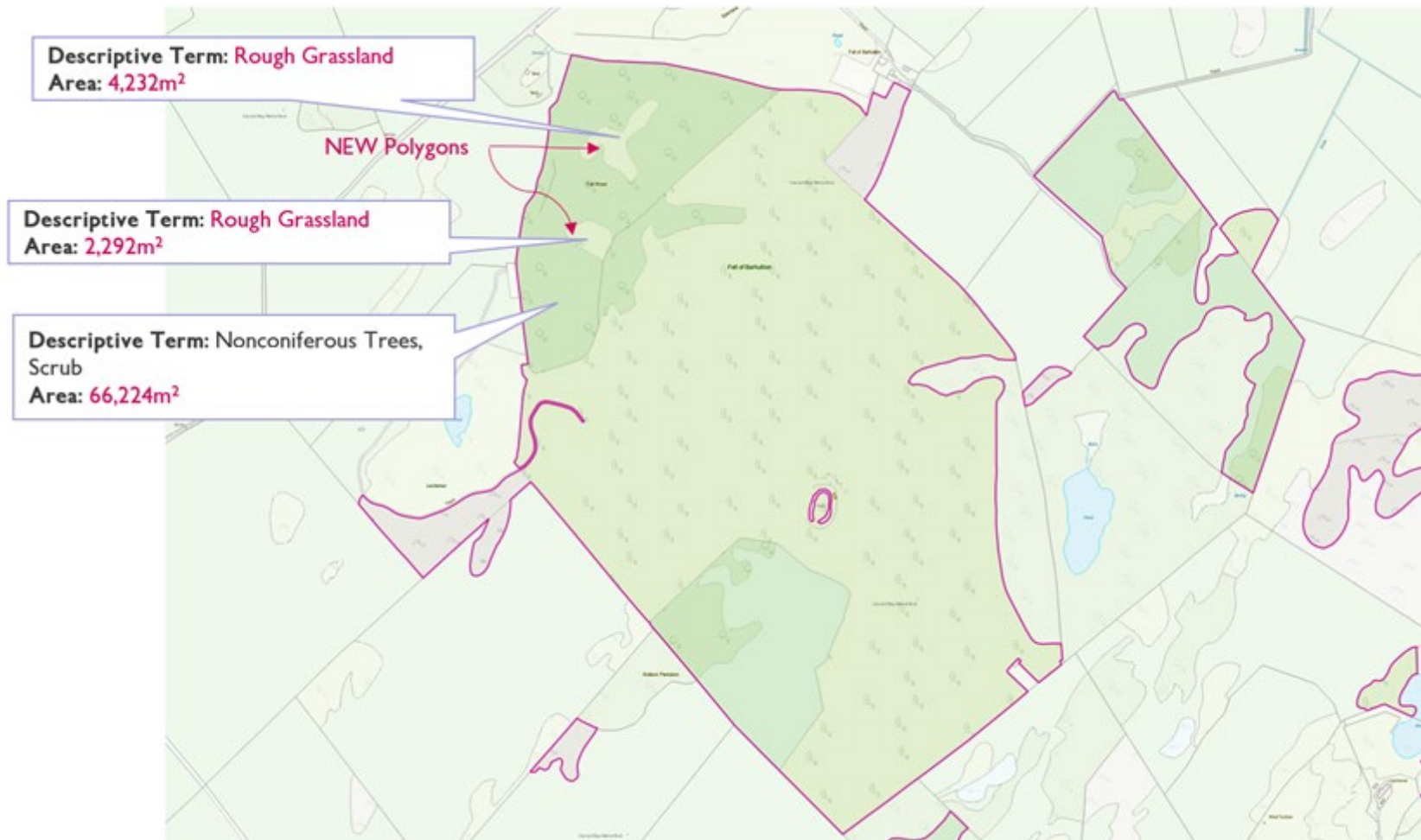| OSMM Topography Layer (August 2022)	OSMM Topography Layer (October 2022)
osgb1000000318639911	osgb1000000318639911
	osgb5000005298080383
	osgb5000005298080465

Source imagery of example area two for comparative purposes:

Data before the rural land cover specification refinement update (OSMM Topography Layer – August 2022):
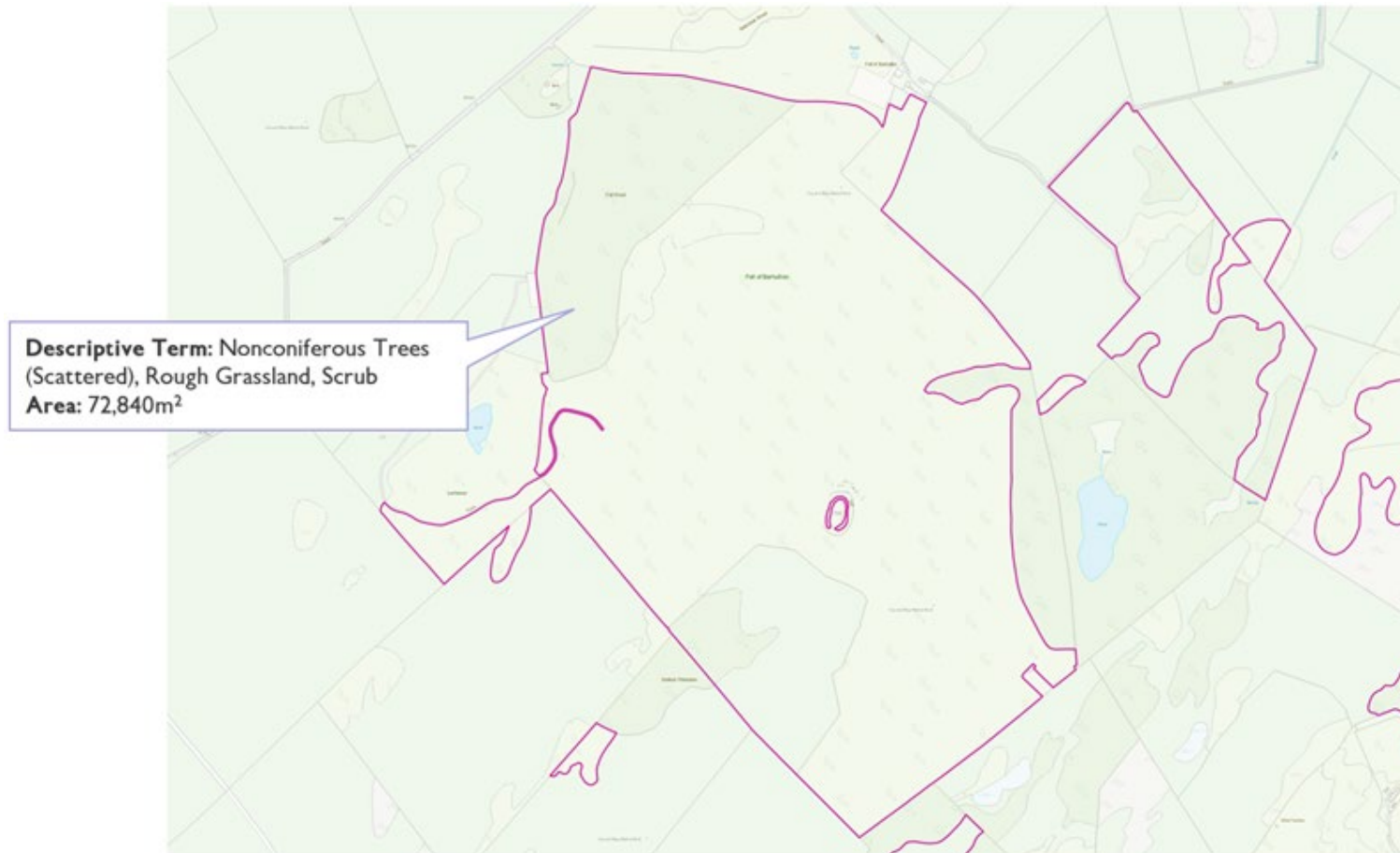
Descriptive Term: Nonconiferous Trees (Scattered), Rough Grassland, Scrub
Area: 72,840m²

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):