OS MasterMap Topography Layer Release Note – May 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 13th May 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 14/03/2024 (Current release)	Count on 25/04/2024 (Current release)
Total Feature Count	**507 879 548**	**508 329 170**
Count of Topo Area	127 035 158	127 146 339
Count of Topo Line	349 942 731	350 253 247
Count of Topo Point	4 375 415	4 385 721
Count of Topo Bline	532 572	532 257
Count of Topo CartoSym	3 778 000	3 788 842
Count of Topo CartoTxt	22 215 672	22 222 764
Total Count of Deletes	**363 259**	**387 625**
Count of Topo Area deletions	75 296	78 038
Count of Topo Line deletions	253 444	277 326
Count of Topo Point deletions	4 059	3 039
Count of Topo Bline deletions	561	533
Count of Topo CartoSymcc deletions	8 953	6 393
Count of Topo CartoTxtcc deletions	20 946	22 296

OSMM Topography Layer	Count on 14/03/2024 (Current release)	Count on 25/04/2024 (Current release)
Total Count of Inserts	**866 957**	**837 247**
Count of Topo Area inserts	198 781	189 219
Count of Topo Line inserts	595 718	587 842
Count of Topo Point inserts	17 417	13 345
Count of Topo Bline inserts	222	218
Count of Topo CartoSym inserts	23 256	17 235
Count of Topo CartoTxt inserts	31 563	29 388
Total Count of Modifications	**634 202**	**736 646**
Count of Topo Area Modifications	309 690	369 267
Count of Topo Line Modifications	308 659	353 690
Count of Topo Point Modifications	311	231
Count of Topo Bline Modifications	1 403	2 681
Count of Topo CartoSym Modifications	40	44
Count of Topo CartoTxt Modifications	14 099	10 733
COU Size (bytes)	**336 114 289**	**333 062 363**

Discrepancies

In this release 10 minor errors were detected, of which 2 have existed since the previous refresh. All errors are considered to be minor errors. We aim to have all errors resolved prior to the next release as part of ongoing quality improvement.

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.

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)
osgb1000000182286603	339097.4, 551740.35
osgb5000005285000934	459029.88, 402617.33
osgb1000002318155560	533464.054, 122925.909
osgb1000000302327200	207276.41, 691450.97
osgb5000005297224912	430701.235, 346985.231
osgb1000002081333910	596419.64, 208356.555

Next release

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

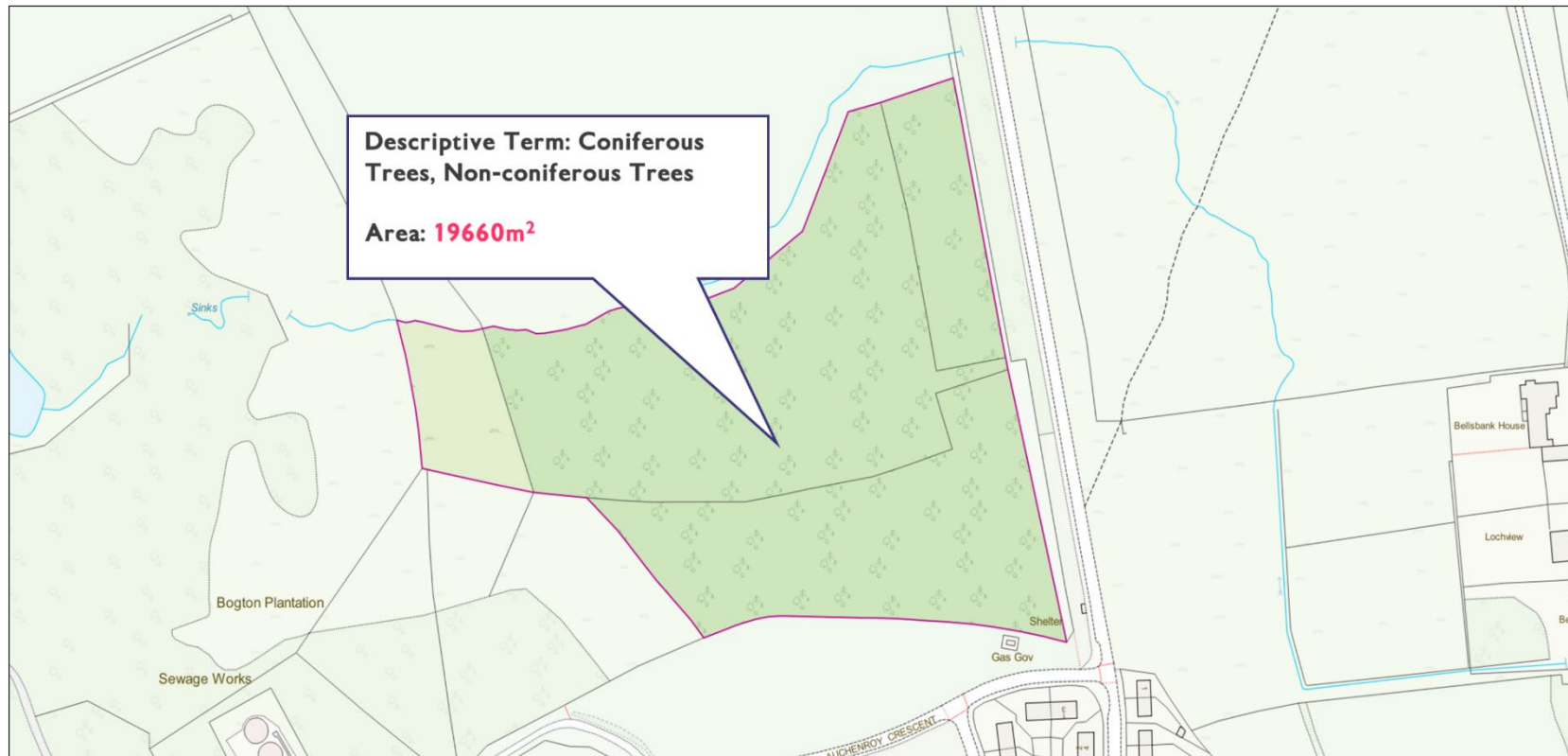| 5km tile	OS grid reference	Coordinates (OSGB36)
NS4505	NS 47825 05240	247790.7,605224.0

Table 2:   TOIDs for example one.

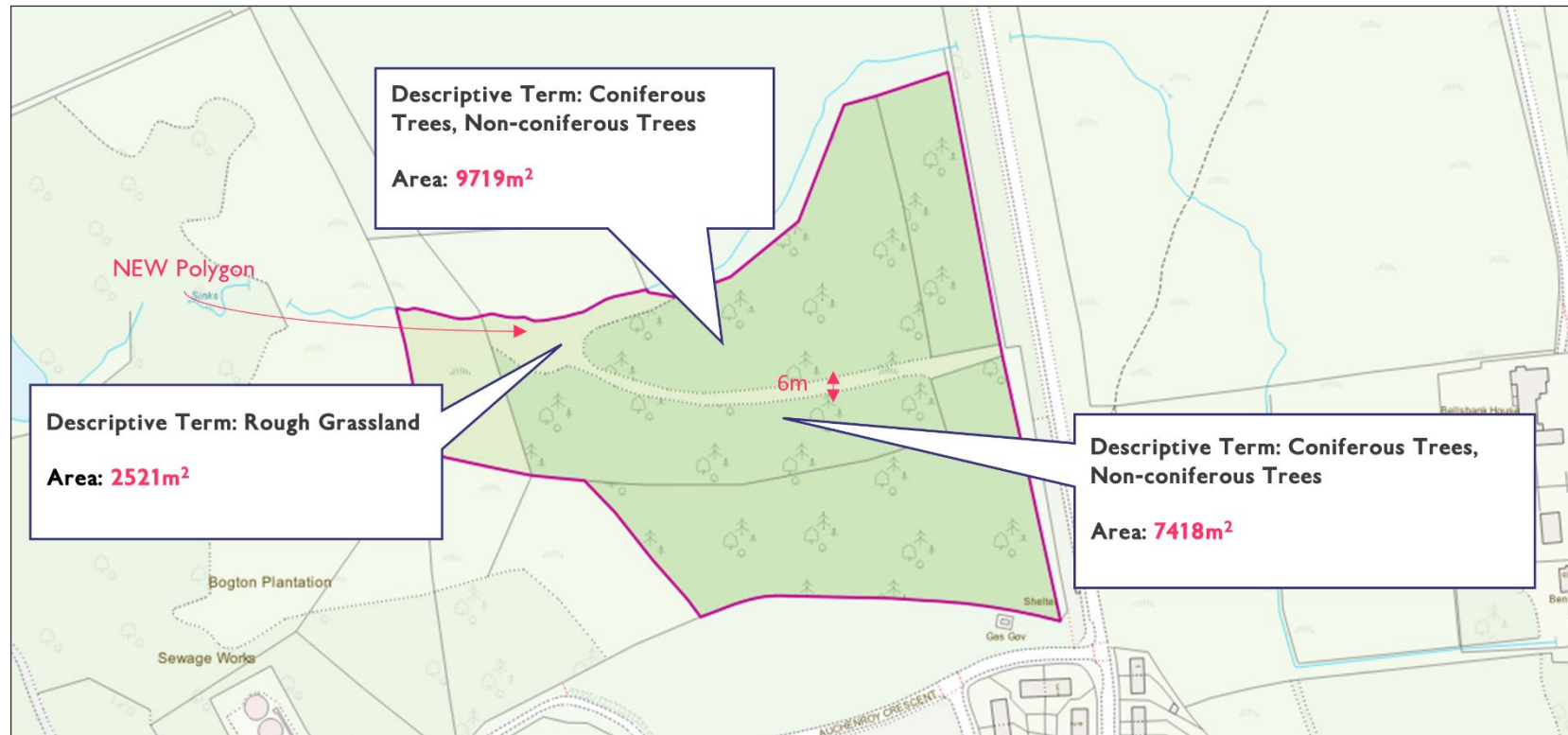| OSMM Topography Layer (July 2022)	OSMM Topography Layer (August 2022)
osgb1000000316775097	osgb5000005297485451
	osgb5000005297485455
	osgb5000005297485456

Source imagery of example area one for comparative purposes:

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

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.

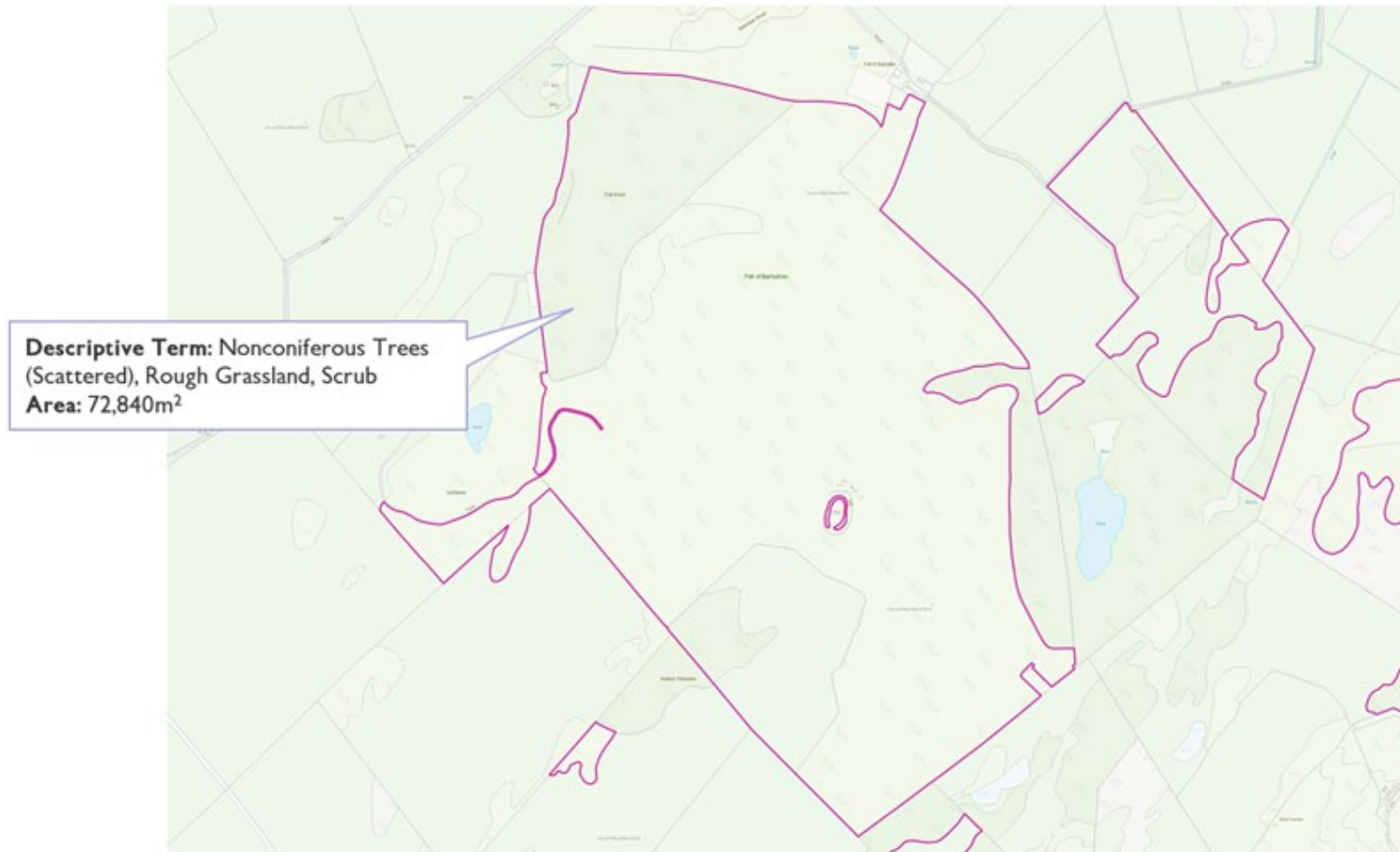| 5km tile	OS grid reference	Coordinates (OSGB36)
NX3540	NX 37464 41871	237419, 541979

Table 4: TOIDs for example two.

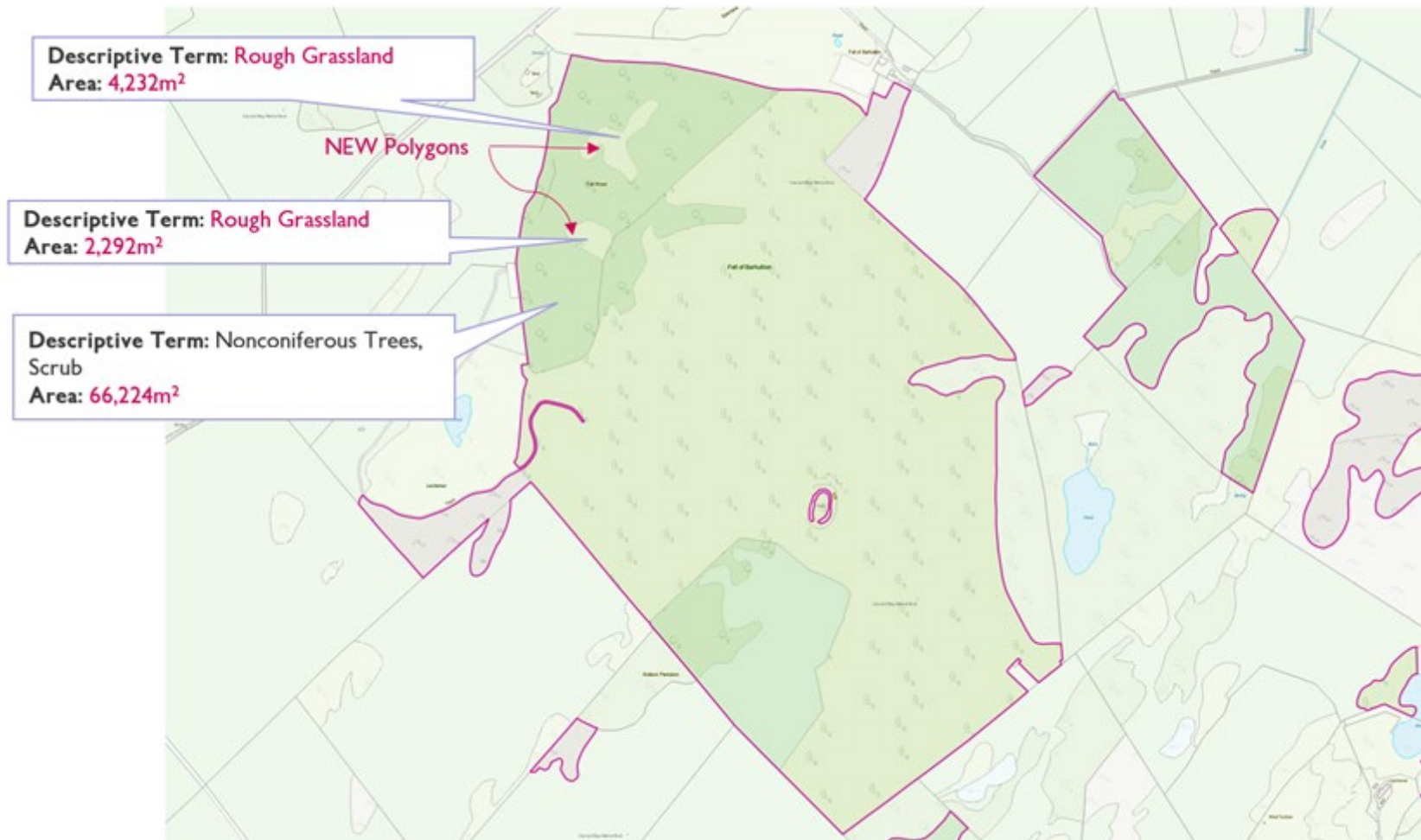| OSMM Topography Layer (August 2022)	OSMM Topography Layer (October 2022)
osgb1000000318639911	osgb1000000318639911
	osgb5000005298080383
	osgb5000005298080465

Source imagery of example area two for comparative purposes:
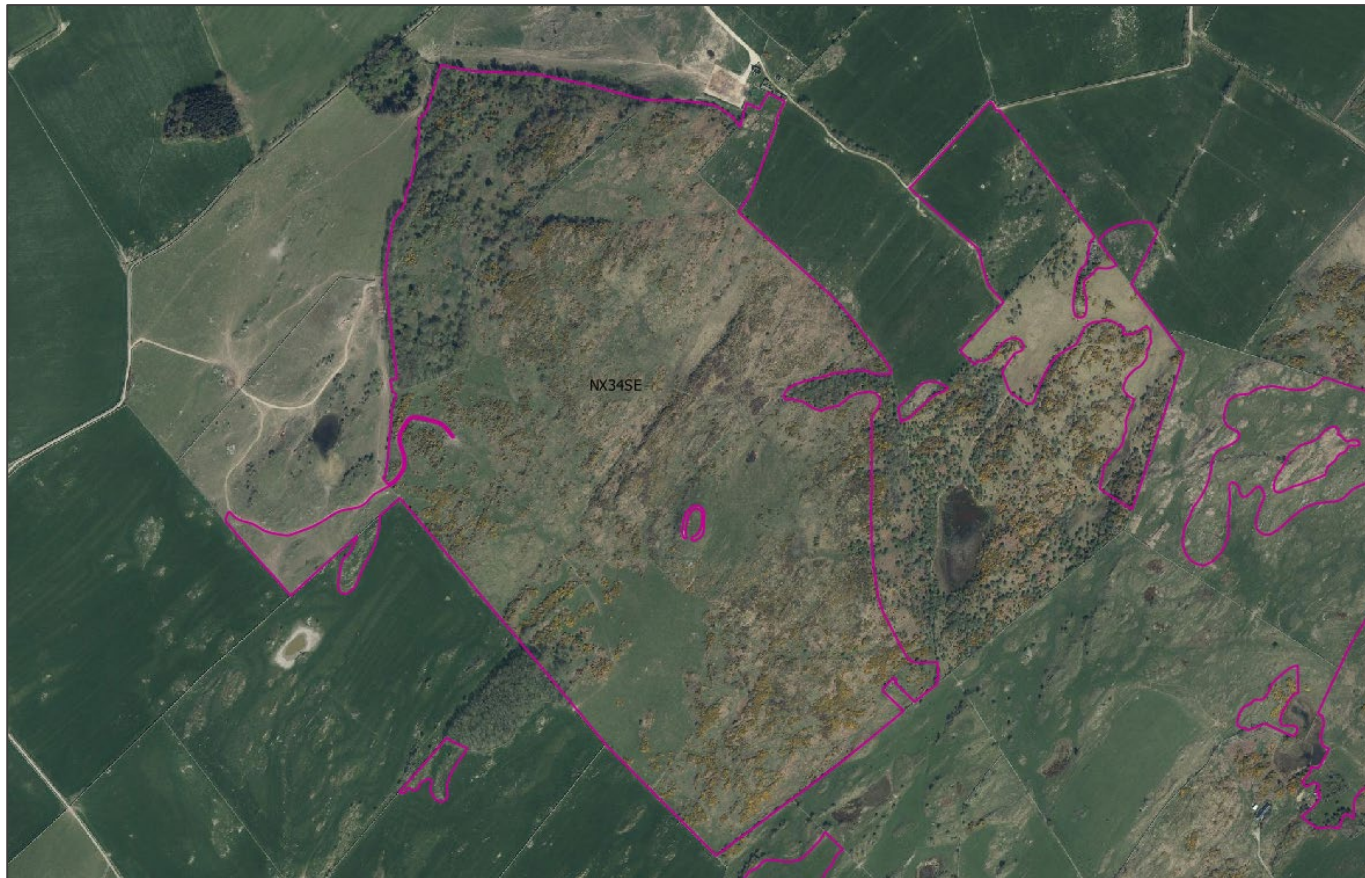
Data before the rural land cover specification refinement update (OSMM Topography Layer – August 2022):

Descriptive Term: Nonconiferous Trees (Scattered), Rough Grassland, Scrub
Area: 72,840m^2

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

Descriptive Term: Rough Grassland
Area: 4,232m²

NEW Polygons

Descriptive Term: Rough Grassland
Area: 2,292m²

Descriptive Term: Nonconiferous Trees,
Scrub
Area: 66,224m²

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):

Descriptive Term: Nonconiferous Trees (Scattered), Scrub
Area: 5174m²

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