OS MasterMap Topography Layer

Release Note – January 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 on 03 January 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 27/10/2022 (Previous release)	Count on 08/12/2022 (Current release)
Total Feature Count	**503 267 734**	**503 567 278**
Count of Topo Area	125 506 083	125 635 562
Count of Topo Line	347 081 440	347 245 044
Count of Topo Point	4 298 704	4 300 597
Count of Topo Bline	538 732	538 183
Count of Topo CartoSym	3 708 444	3 707 551
Count of Topo CartoTxt	22 134 331	22 140 341
Total Count of Deletes	**652 923**	**690 578**
Count of Topo Area deletions	103 122	104 042
Count of Topo Line deletions	532 684	553 780
Count of Topo Point deletions	1 647	1 290
Count of Topo Bline deletions	667	1 050
Count of Topo CartoSymcc deletions	2 955	3 381
Count of Topo CartoTxtcc deletions	11 848	27 035

OSMM Topography Layer	Count on 27/10/2022 (Previous release)	Count on 08/12/2022 (Current release)
Total Count of Inserts	**1 048 201**	**990 122**
Count of Topo Area inserts	249 648	233 521
Count of Topo Line inserts	771 640	717 384
Count of Topo Point inserts	2 994	3 183
Count of Topo Bline inserts	413	501
Count of Topo CartoSym inserts	2 684	2 488
Count of Topo CartoTxt inserts	20 822	33 045
Total Count of Modifications	**1 175 922**	**1 168 222**
Count of Topo Area Modifications	532 151	539 192
Count of Topo Line Modifications	634 705	609 784
Count of Topo Point Modifications	166	252
Count of Topo Bline Modifications	913	1 041
Count of Topo CartoSym Modifications	61	67
Count of Topo CartoTxt Modifications	7 926	17 886
COU Size (bytes)	**513 908 865**	**533 073 957**

Discrepancies

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

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 that you can use as 'lookup samples' to validate that your latest supply has updated correctly:

- osgb1000000292764091
- osgb1000000088270527
- osgb5000005293993445
- osgb1000000384576541
- osgb1000000094196590
- osgb1000000019332710

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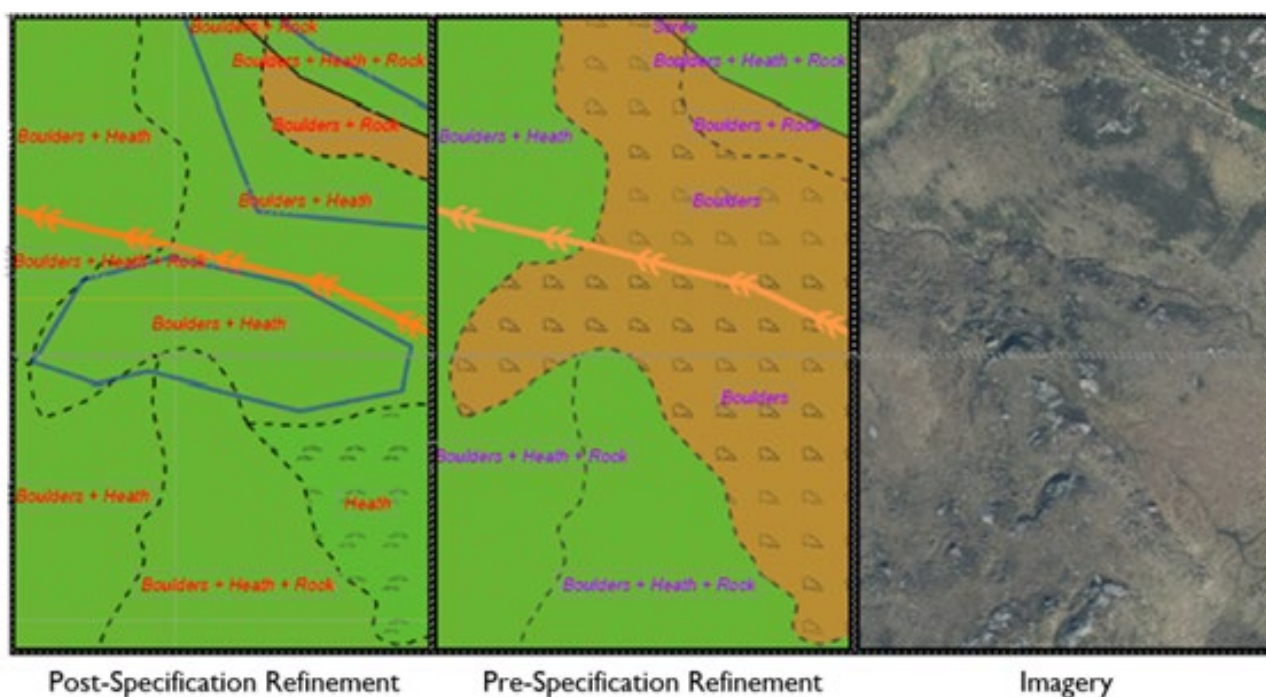
The first example shows how an area of 'Heath' has been separated out from the surrounding vegetation:

Post-Specification Refinement   Pre-Specification Refinement   Imagery

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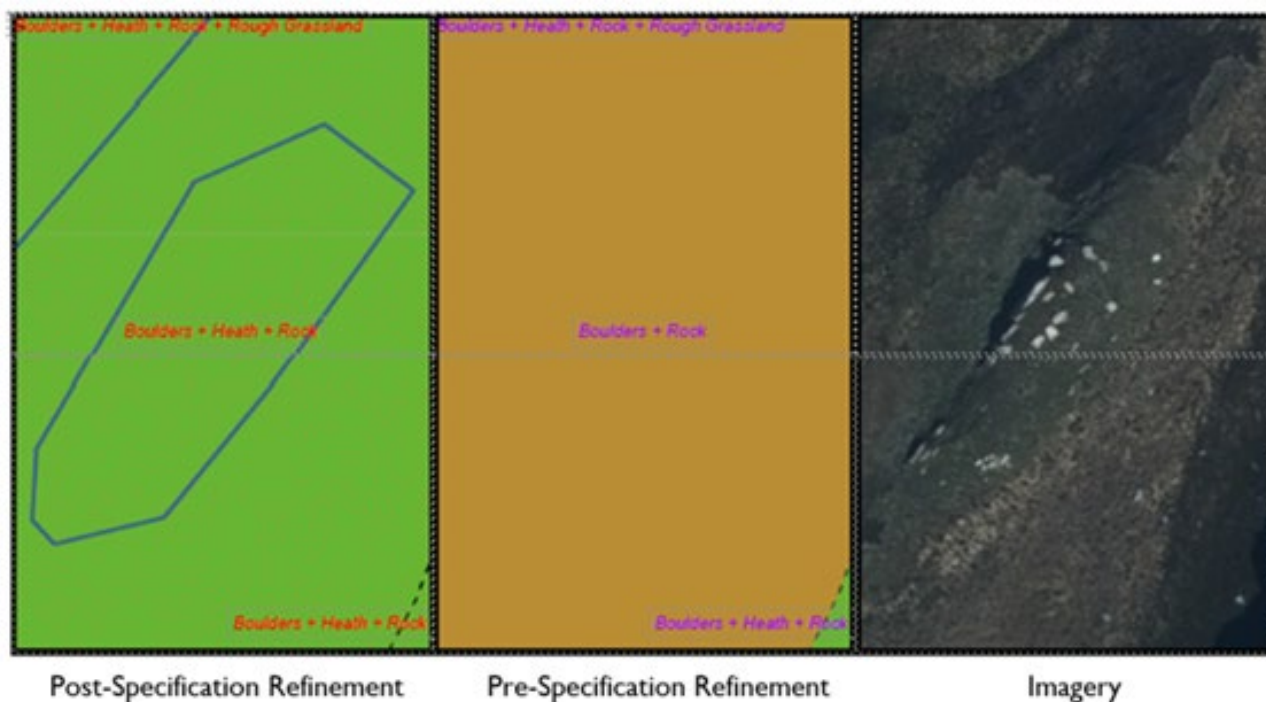
The third example shows how areas that were previously captured solely as 'Boulders' have been separated out and refined into multiple polygons that depict a mixture of different land cover areas:

Post-Specification Refinement | Pre-Specification Refinement | Imagery

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

Post-Specification Refinement   Pre-Specification Refinement   Imagery
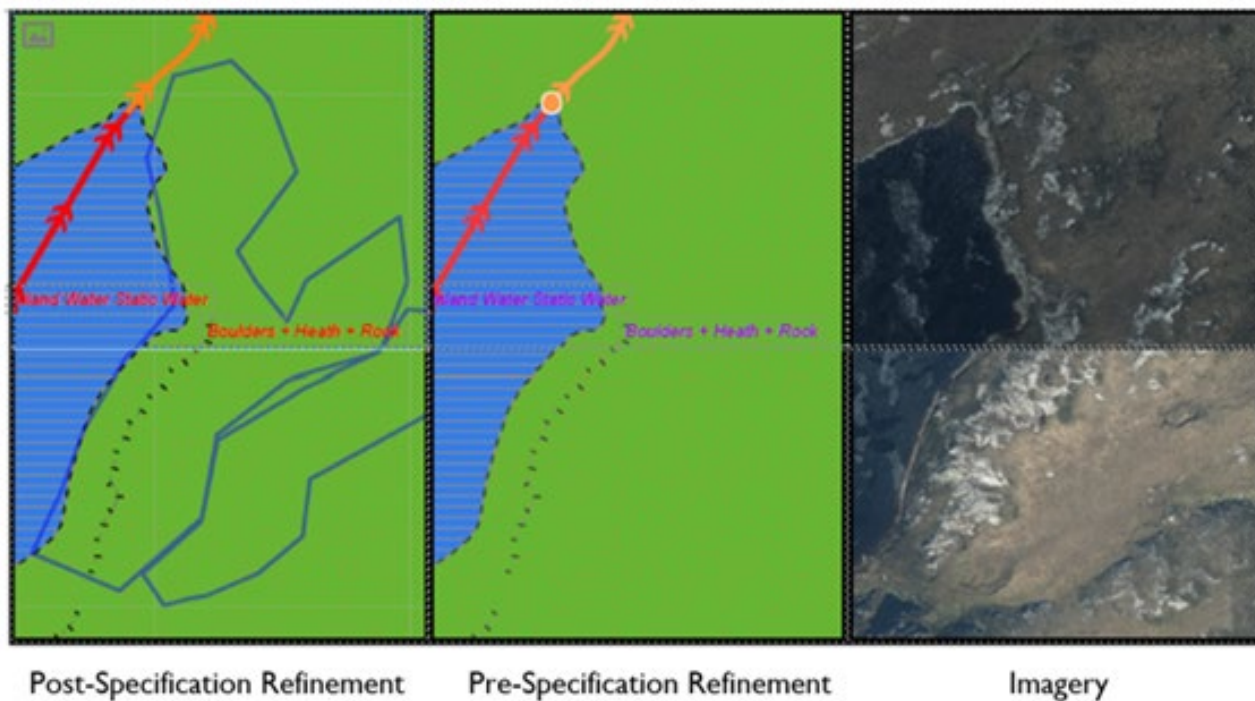
Annex B: Rural land cover specification refinement examples

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.

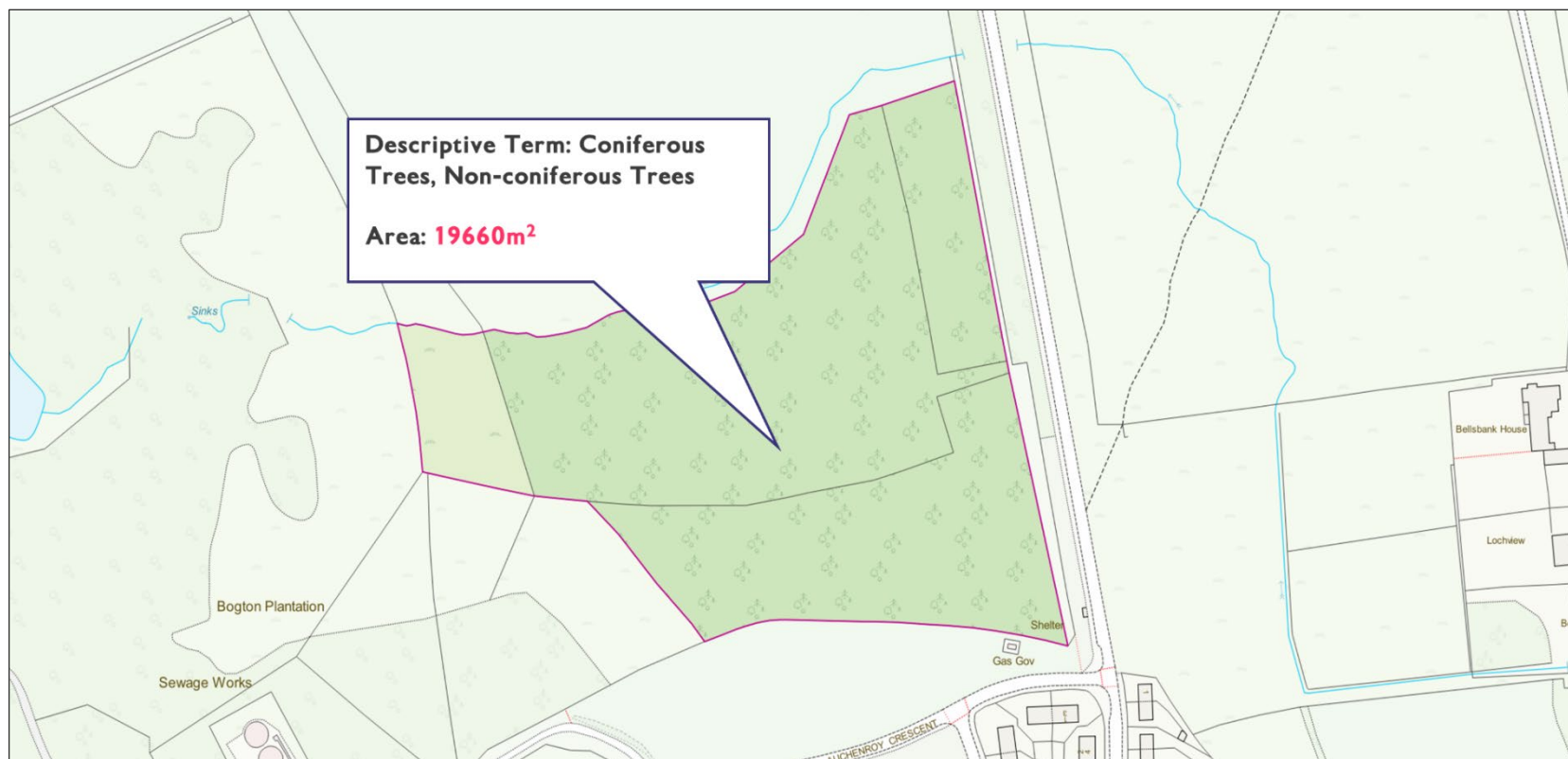| 5km tile	OS grid reference	Coordinates (OSGB36)
NS4505	NS 47825 05240	247790.7,605224.0

Table 2:   TOIDs for example one.

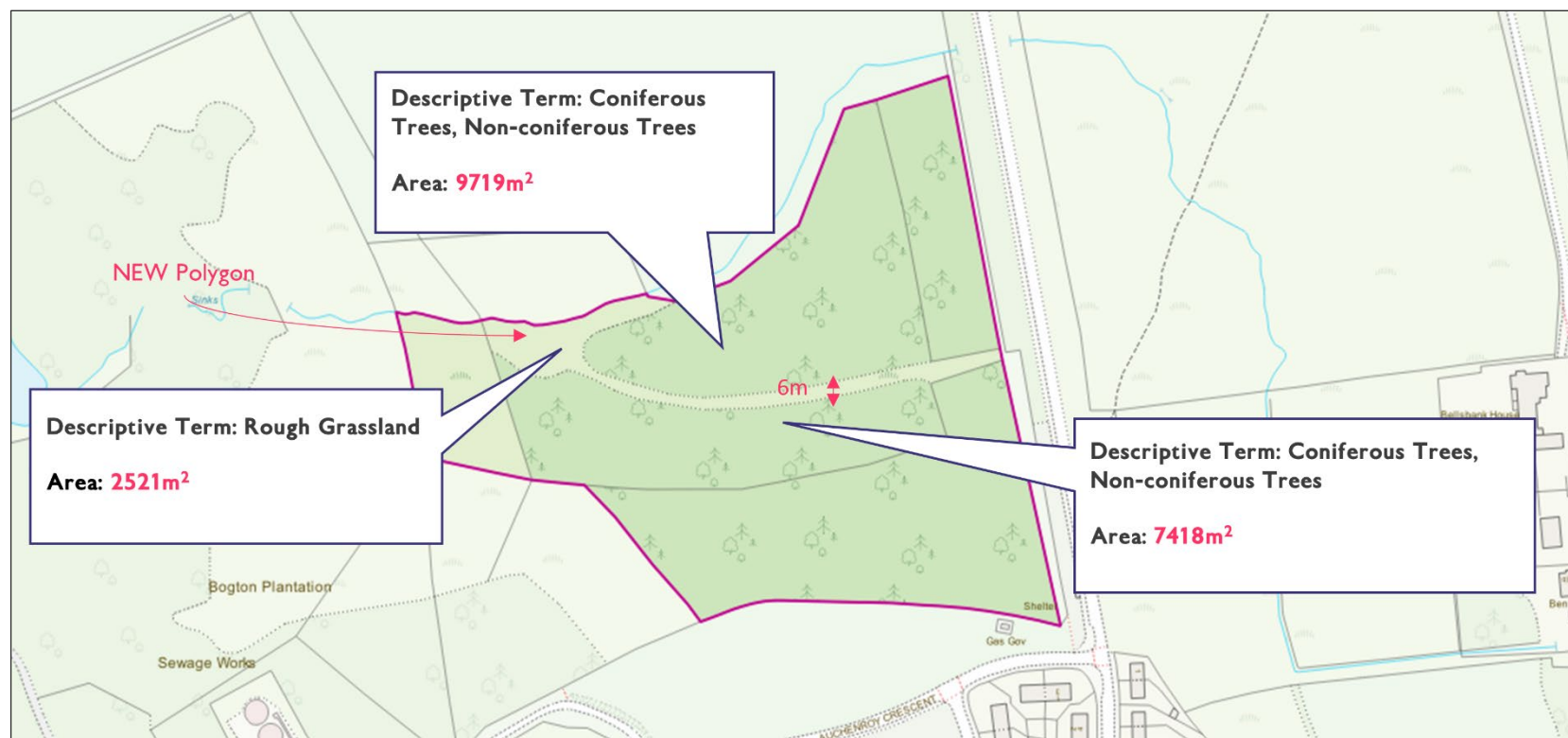| OSMM Topography Layer (July 2022)	OSMM Topography Layer (August 2022)
osgb1000000316775097	osgb5000005297485451
	osgb5000005297485455
	osgb5000005297485456

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):

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

Gas Gov

Shelter

Example two

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

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

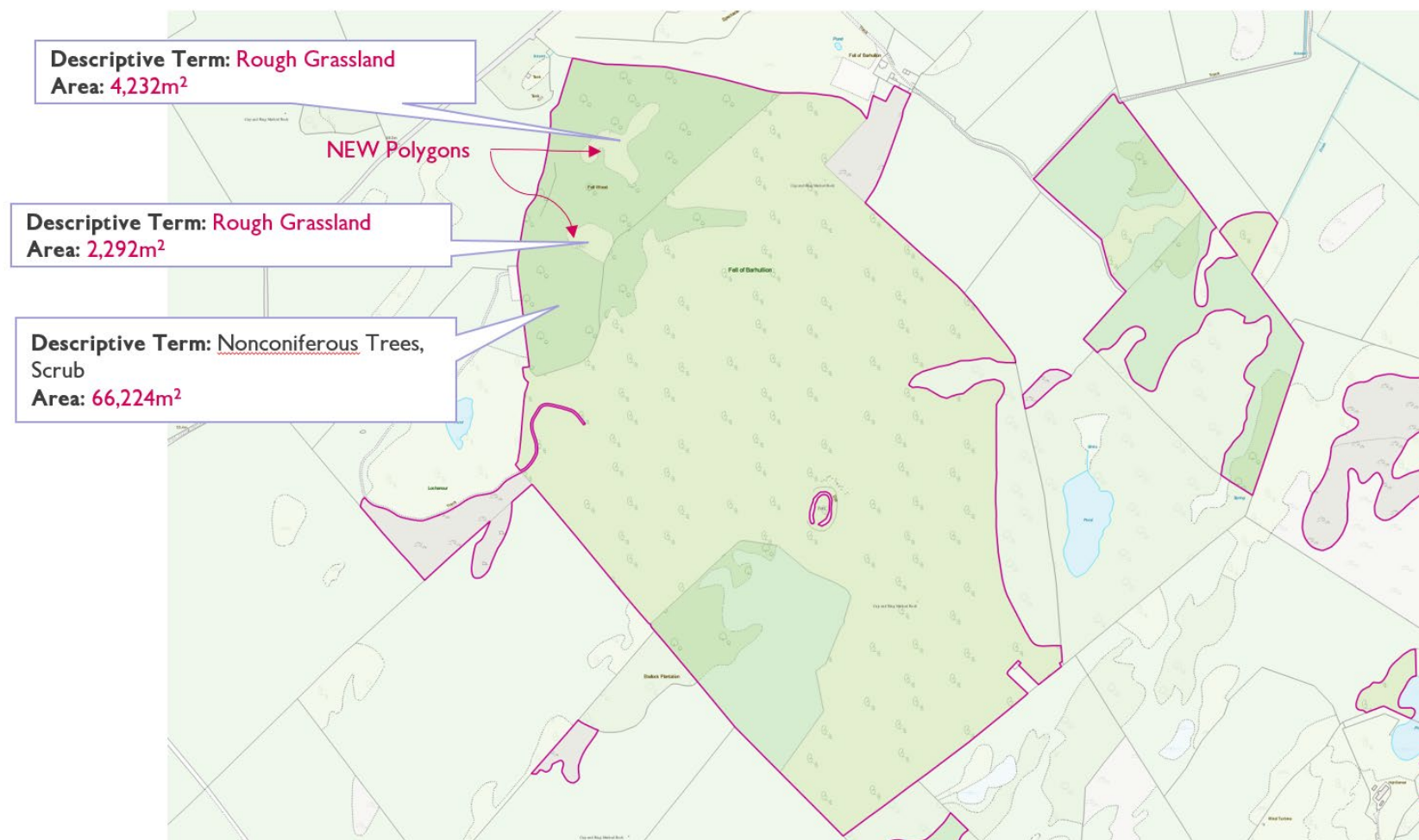Source imagery of example area two for comparative purposes:
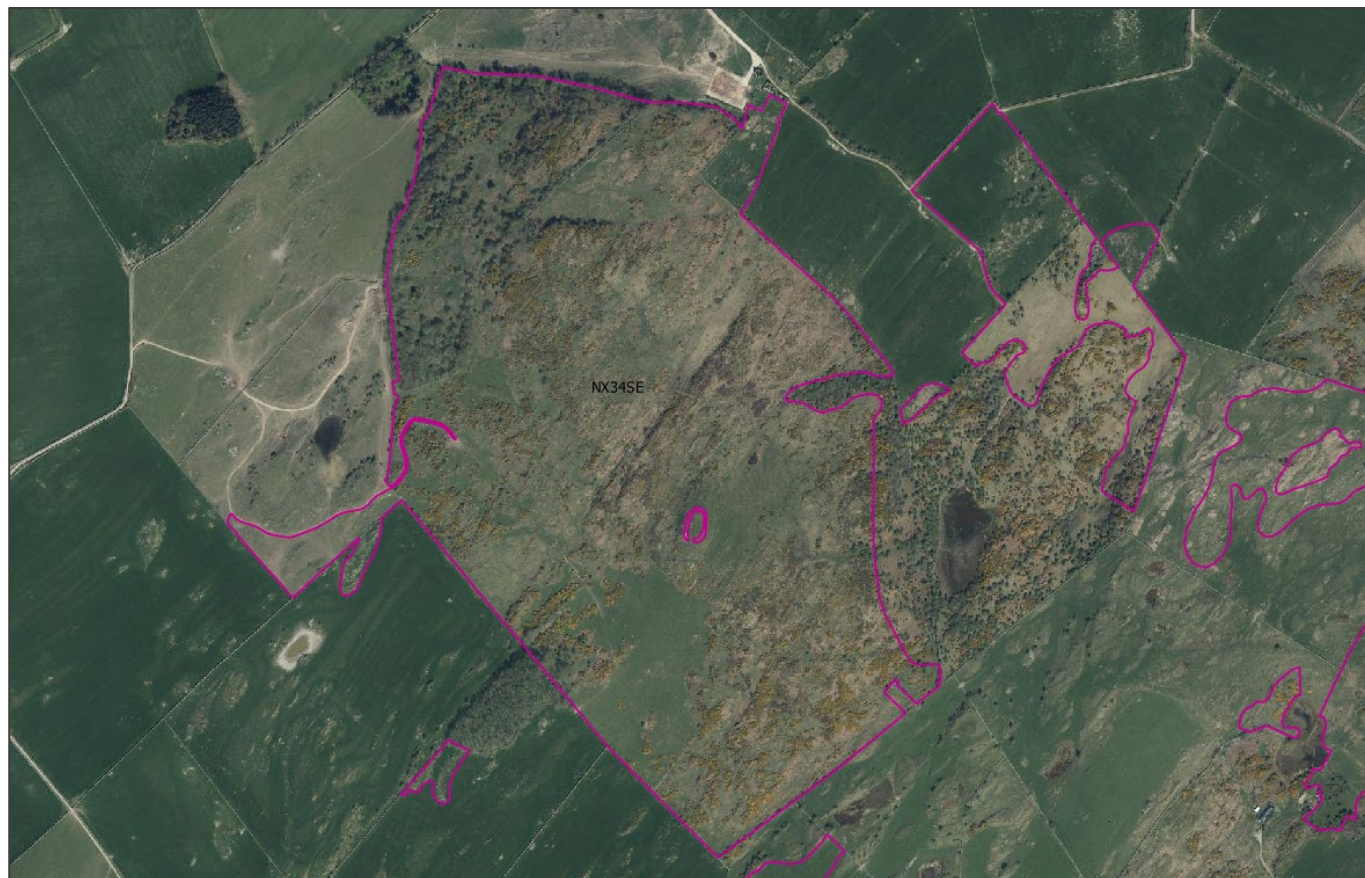
Data before the rural land cover specification refinement update (OSMM Topography Layer – August 2022):

Descriptive Term: Nonconiferous Trees (Scattered), Rough Grassland, Scrub
Area: 72,840m²

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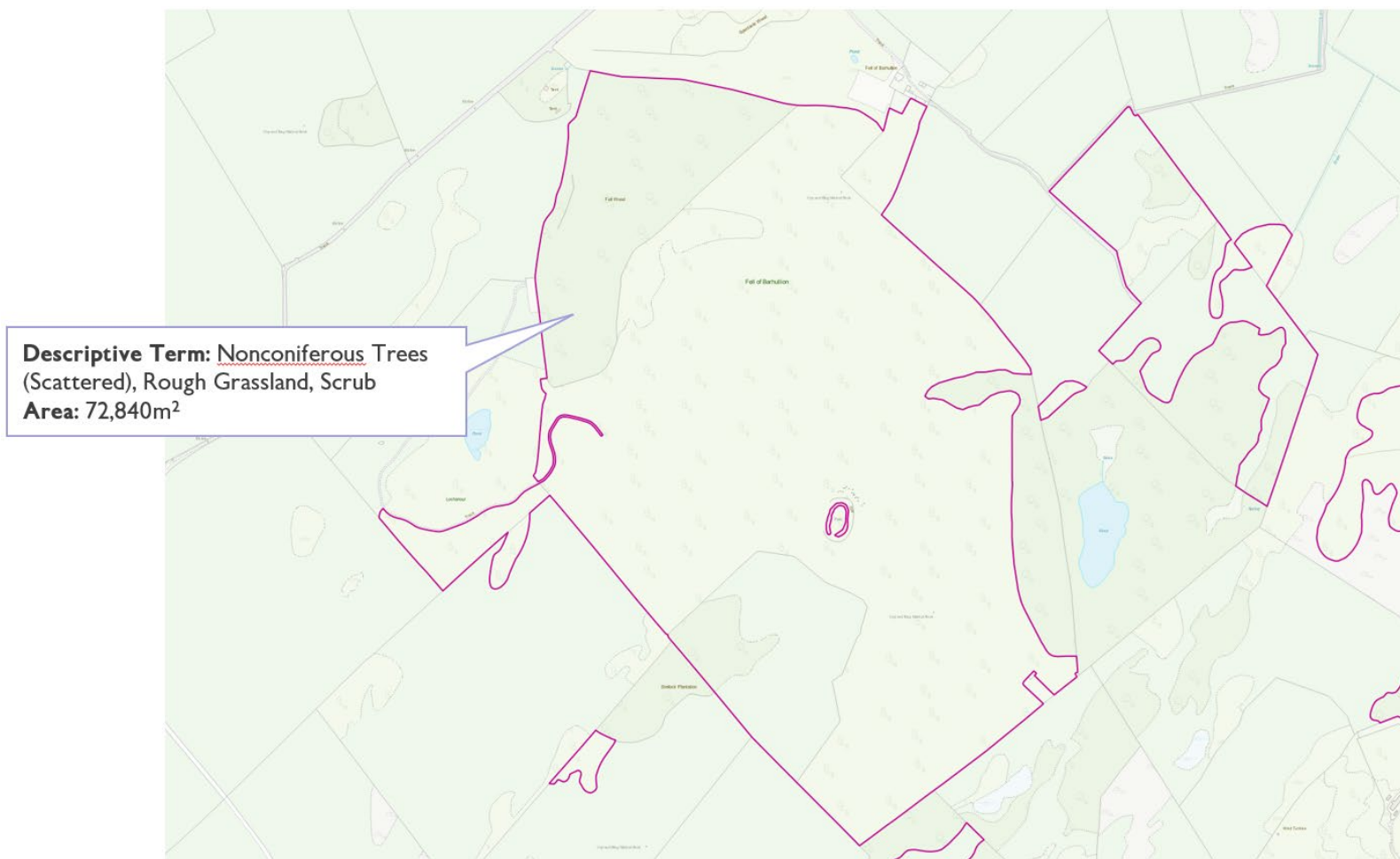
Descriptive Term: Nonconiferous Trees, Scrub
Area: 66,224m²

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):

Bell Hill

Angel Hill

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

27.1m

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

Bell Hill

Descriptive Term: Nonconiferous Trees (Scattered), Scrub
Area: 4286m²

NEW Polygon

Angel Hill

6m

Descriptive Term: General Surface
Area: 898m²

27.1m