



Delivery Report Italy

EEA-FTSP-Sealing_CountryDeliveryReport-IT

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1 INTRODUCTION

1.1 PURPOSE AND SCOPE

This document presents the country delivery report of EEA's Fast Track Service Precursor Sealing Product of Italy.

According to the Tender Specifications, this report corresponds to deliverable 5 (38 Country delivery reports).

1.2 APPLICABLE DOCUMENTS

ITD-0490-PRO-0006	Proposal responding to EEA's Invitation for Tender, Technical Offer including Management Part –Issue 1

1.3 REFERENCE DOCUMENTS

EEA/IDS/07/001	Tender Specifications "GMES Fast Track Service on Land Monitoring", EEA, 2006
ISO9001	ISO 9001: 2000 Standard
ITD-QMS-POL-0001_Infoterra_Quality_Policy	Quality Policy Statement
QMS-ITD-MA-0011_QMSManual_I3.1	Quality Management System (QMS) Manual
ITD-UMS-POL-0001_Infoterra_Environmental_Policy	Declaration of Enterprise Environmental Policy
ITD-QMS-STD-0001-ControlOfDocumentation	Control of Documentation and Data
QMS-ITD-ST-0001_CSM	Customer Satisfaction Measurement
QMS-ITD-PR-0003_PM_ProductDevelopment_I4	Project Management, Product (Prototype) Development and Production

2 DATA SPECIFICATIONS

2.1 TECHNICAL PRODUCT SPECIFICATION

Content
<i>Raster dataset of built-up and non built-up areas including continuous degree of soil sealing ranging from 0 - 100% in full spatial resolution (20 x 20 m) with the associated metadata.</i>
Geographic coverage
<i>Country of Italy (IT)-)– delivery comprises two tiles; IT north (1), IT south with Sicilia and Sardinia (2) Coverage [km²]: 301.230 (plus additional buffer of 200 meters outside of country border)</i>
Input data sources
<p><u>Input data provided by ESA:</u></p> <ul style="list-style-type: none"> ▪ <i>Orthorectified satellite data coverage for Europe (Image2006), acquired primarily in the reference year 2006 (+/- 1 year), covering two dates, used sensors SPOT 4 and 5 (HRVIR) and IRS-P6 LISS-III:</i> <ul style="list-style-type: none"> • <i>20 m resampled (with cubic convolution interpolation)</i> • <i>4 spectral bands</i> • <i>Max. 5% cloud coverage</i> • <i>Covering 2 dates, at least 6 weeks apart from the respect. scene selected for the first coverage</i> • <i>Orthorectified towards national projection systems (used DTM unknown)</i> • <i>Delivery on a country by country basis foreseen</i> • <i>Metadata to each scene</i> <p><u>Input data provided by EEA</u></p> <ul style="list-style-type: none"> ▪ <i>Dataset with national country borders (to be used for clipping the data at a national level) as defined and provided by the EEA</i> <p><u>Ancillary input data</u></p> <ul style="list-style-type: none"> ▪ <i>National Corine Land Cover 2000 data in vector format to be used for the stratification of the QA sample plots</i>
Methodology
<i>Supervised classification of built-up areas with following visual improvement of classification result and derivation of degree of soil sealing based on calibrated NDVI</i>
Geometric resolution
<i>Pixel resolution 20 x 20 m</i>

Coordinate Reference System
<i>Projection: UTM 32</i> <i>False Easting: 500000,00</i> <i>False Northing: 0,00</i> <i>Central Meridian: 9°00'00,00'</i> <i>Latitude of Origin: 0°00'00,00"</i> <i>Scale Factor: 0,9996</i> <i>Datum: WGS84</i>
Geometric accuracy (positioning scale)
<i>According to orthorectified satellite image base delivered by ESA</i>
Thematic accuracy (in %)
<i>Classification accuracy per hectare (based on 100 x 100 m grid) of built-up non built-up areas is > 85% (assessed according approach as described in chapter 4.1)</i>
Accuracy assessment approach
<i>Accuracy assessment based on random sample plots</i>
Delivery format
<i>IMAGINE Image (IMG)</i>
Data type
<i>Raster</i>
Raster coding
<i>Thematic pixel values</i> <i>0 – Non-built up areas, water bodies inland</i> <i>1-100 - sealing values for built-up areas</i> <i>254 – Unclassifiable areas (clouds, shadows, etc.)</i> <i>255 – No Data (No thematic information)</i>
Metadata
<i>According to EEA metadata standards (EEA MSGI specification)</i>
Ancillary Data – Mitigation shape file
<i>Metadata set per delivered country in vector format defining all areas which deviate from the ITT's EO data specifications (i.e. clouds, acquisition date). The vector layer is derived from image footprints and cloud cover information of Image2006 within the country border.</i> <i>The attribute table contains information about WU identification and possible deviations from the standard specifications of Image2006:</i> <ul style="list-style-type: none"> <i>[Cntr] Country Code;</i>

- *[SCU] Number of Sub-Country unit containing the Working Unit;*
- *[WU_ID] Full name of the Working Unit;*
- *[No_acqu] Number of acquisitions within the WU; 0 = gap / no image available;*
- *[Out_Veg] No of acquisition dates outside of country-specific vegetation period;*
- *[Below_6w] Acquisition dates less than 6 weeks apart;*
- *[Cloud_cov] Thematic value indicating the cloud coverage: No clouds = 1; Clouds present in coverage 1 = 2; Clouds present in Coverage 2 = 3; Clouds present in both coverages = 4*

2.2 ALGORITHMS USED

The aim of the image processing is to derive in a robust, reliable and reproducible way based on satellite images (Spot 4/5, IRS LISS) a raster dataset of built-up and non built-up areas including continuous degree of soil sealing ranging from 0 - 100% in full spatial resolution (20 x 20 m).

As the main challenge, the derivation of a continuous degree of soil sealing has to be solved. The proposed image processing approach is based on the fact that a reliable derivation of soil sealing degrees is not possible directly from the vegetation index. Low vegetation index values, which are characteristic for densely built-up areas are e.g. also found in bare soil areas of agricultural fields. Even when using multi-temporal satellite images with different acquisition dates in combination with bi-temporal, multi-spectral classification techniques the result may be improved, but the vegetation indices of two acquisitions are still too ambiguous.

Therefore, the proposed image processing approach will start with deriving a binary map of built-up areas and then further subdivide this area into 100 degrees of soil sealing, ranging from totally sealed surfaces (100% degree of soil sealing) up to built-up areas with extensive vegetation cover (1% degree of soil sealing). This allows the final user to aggregate the continuous values as required.

To be viable for this objective the classification methodology has to fulfil the following general criteria:

- Allow for local calibration of parameters used per working sub-area (as defined by satellite images) to overcome diversity of different regions in Europe and image immanent characteristics (such compensating for different settlement structures, ecozones, phonological and weather conditions).
- Deliver the required accuracy
- Maximise consistency and objectivity of the results all over Europe
- Maximise cost-efficiency under given constraints
- Maximise standardisation of production and working motivation of the analysts
- Secure realisation in due time.

Based on these criteria, the proposed methodological approach consists of the following main steps:

- a) Data preparation & management: Provision of spatial database of bi-temporal satellite images and derived working sub-areas ("Working Units" = WU) to be processed in the following steps
- b) Core processing, containing the 3 main processing steps:
 - (1) Hybrid automated classification with supervised and unsupervised elements, leading to binary maps of built-up area
 - (2) Manual correction of the binary built-up map to obtain the required quantitative thematic accuracy (85%) as well as good qualitative results
 - (3) Derivation of degree of soil sealing based on the NDVI (Normalised Difference Vegetation Index)
- c) Generation of sub-country / country data sets
- d) Accuracy assessment
- e) Re-projection & mosaicing, generation of seamless European dataset.

2.3 FORMAT DESCRIPTION

Delivery format
<i>ERDAS IMAGE Image (IMG)</i>
<i>Data Type: unsigned 8-bit</i>
<i>Compression: Run-length encoding (ESRI)</i>
<i>Number of bands: 1</i>
<i>Pixel size: 20 m</i>
Data type
<i>Thematic Raster</i>
Metadata
<i>According to EEA metadata standards (EEA MSGI specification)</i>

2.4 METADATA

See European Environment Agency – Metadata Standard for Geographic Information (EEA-MSGI), Version 1.1a (18 August 2004).

The metadata is provided as XML-file and as PDF-document according to EEA Metadata Standard for Geographic Information (EEA-MSGI).

3 SUMMARY OF PRODUCTION

3.1 TIMETABLE, PRODUCTION MILESTONES

Delivery by ESA	Data Reception	Data Preparation		Received by SP	Production	
		Start	End		Start	End
09.07.2007	10.07.2007	11.07.2007	21.08.2007	26.08.2007	27.08.2007	11.06.2008

3.2 TECHNICAL PROBLEMS ENCOUNTERED, MITIGATION MEASURES

The country mosaic of the soil sealing layer for Italy is delivered in two tiles (EEA-FTSP-Sealing_IT1_F2v0.img, EEA-FTSP-Sealing_IT2_F2v0.img). This is due to a file size restriction for the ERDAS compression algorithm (Run-length encoding, this goes for raster files which exceed an uncompressed file size of 2 GB).

Version 1 of the product failed QC. A review of the product (Version 2) has been done according to the remarks of the first Italian MS report.

4 ACCURACY ASSESSMENT REPORT

4.1 DESCRIPTION OF APPROACH

The derivation of accuracy measures as agreed with EEA includes the following steps:

1. Definition of 100 x 100 m reference grid in national projection of the respective country assessed
2. Stratification of the area based on Corine Land Cover level I. To emphasize the accuracy assessment in the urban areas, 50 % of the sample plots are placed within CLC class Artificial Surfaces, the other 50 % are placed in the remaining classes.
3. Cluster based random sampling based on 100 x 100 m reference grid, defined per single nation, number of samples adapted to nation size in km²
4. Re-projection of reference samples to allow overlay with Google Earth
5. Estimation, if reference cell will be labelled as “built-up” according to EEA definition or not (80% threshold degree of soil sealing) taking into account the visibility of objects in the satellite images used for the production of the raster product (technically possible also when using Google Earth¹)
6. Estimation of overall accuracy to generate accuracy measure (overall accuracy, user accuracy, (commission error), producer accuracy (omission error), per single nation (for internal use & validation only) and for European dataset for publication by EEA.
7. Adaptation of statistics with regard to the mitigation shape file. All sample plots falling within areas of the raster product, where the underlying IMAGE2006 data has been identified to fail the ITT's specifications, are not included in the final statistics. This includes areas where
 - Less than two coverages of EO data are available
 - One or more acquisition dates are outside the defined acquisition window
 - The acquisition dates of the two coverages used are less than six weeks apart
 - Cloud cover is present in one or more coverage

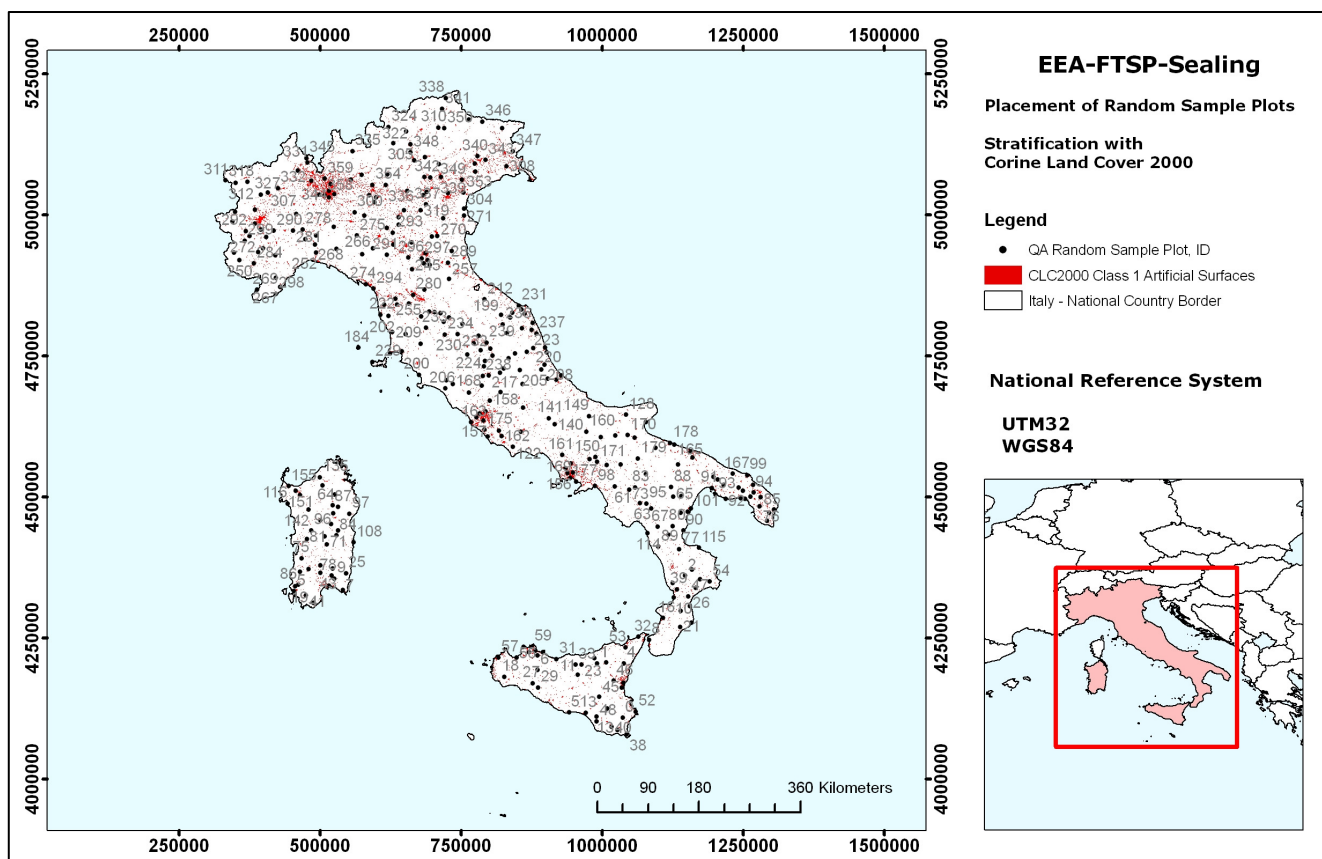
The built-up raster product which is subject to the accuracy assessment is accepted as according to the specifications if the final statistics indicate an overall accuracy of more than 85 %.

Accuracy assessment is performed per country product for internal quality control. For final acceptance by EEA, the overall accuracy of the European product is arbitative.

¹ using web-based information input to a local server

4.2 SAMPLE PLACEMENT (STRATIFICATION, NUMBER & LOCATIONS OF SAMPLE SITES)

Overall number of sample plots: 360 (180 within CLC2000 Artificial Surfaces). The figure below shows the placement of sample plots (black dots) within CLC urban areas (red areas) and outside.



4.3 FINAL RESULT

The final accuracy assessment for the country product surpassed the threshold of an overall accuracy of 85 %.

Validation	Classification			Producer's Accuracy	Omission Error
	>80%	<80%	Σ		
>80%	28	30	58	48,3%	51,7%
<80%	2	238	240	99,2%	0,8%
Σ	30	268	298		
User's Accuracy	93,3%	88,8%			
Commission Error	6,7%	11,2%			
Overall Accuracy	89,3%				

5 DETAILED LIST OF PROVIDED DATA

- Raster dataset of built-up and non built-up areas including degree of soil sealing, 2006, in full spatial resolution (20 m x 20 m). The data set is delivered in two separated tiles to reduce the file size (see 3.2)
- ArcMap Legend File for raster data set for plotting a degree of soil sealing, aggregated to thematic classes
- ArcMap Legend File for raster data set for plotting a degree of soil sealing in a range from 1-100 %
- Mitigation shape file; metadata set per delivered country defining all areas which deviate from the ITT's EO data specifications.
- XML-Metadata of raster and vector data after EEA specifications
- EEA Metadata Stylesheet
- Report per Country with description of raster and vector data, country specific production & mitigation issues (the document at hand)
- Product inspection sheet for outgoing deliveries, ensuring product conformity of raster dataset
- National country borders in national projection

ANNEX 1: INTERPRETATION GUIDELINE FOR VISUAL CORRECTION

Objective

To produce a pixel-based high-resolution layer of built-up areas including degree of soil sealing for the EEA member states of homogeneous look & feel with an overall thematic accuracy of 85%.

Definition of Built-up Areas

Built-up areas according to the consortium definition are represented by a degree of soil sealing between 1 and 100%.

Built-up area therefore comprises pixels that are fully or partly covered by houses, roads, mines and quarries and any other facilities, including their auxiliary spaces, deliberately installed for the pursuit of human activities. Built-up area does not include any fully vegetated pixels, even if they are closely related to these activities (such as city parks and gardens), or any other unvegetated non-built-up open spaces covered with bare soil, sand, glacier, bare rocks or water.

(modified according to http://glossary.eea.europa.eu/EEAGlossary/B/built_up_land)

The FTSP in Relation to Corine Land Cover

The FTSP high resolution core land cover data is a complementary element of the GMES Fast Track Services. The data set will be a land cover product, reflecting actual ground cover on a pixel by pixel level rather than functional properties.

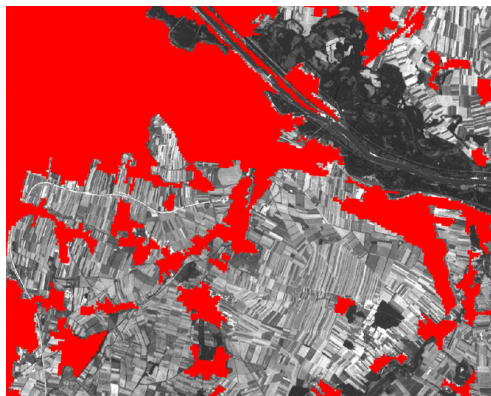
CLC level 1 class 'artificial surfaces' contains artificial surfaces and functionally related vegetated areas, reflecting the land use aspect. Therefore a significant part of this CLC level 1 class contains vegetated areas composed of fully vegetated pixels. However, in the FTSP product only pixels that contain some built-up/sealed area will be included.

In addition, built-up pixels within all other CLC level 1 classes (which are not mapped in CLC according to the 25ha MMU) will be included according to the above definition. Fully vegetated or unvegetated non-built-up pixels will be excluded.

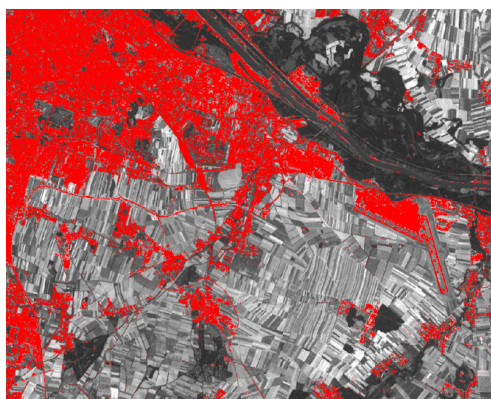
SPOT-4 satellite image over Vienna / Austria
(green band; 20m resolution)



CLC 2000 - level 1 class "artificial surfaces"



FTSP high-resolution layer of built-up areas
(20m resolution)



Special Considerations

- The same definition of built-up areas shall apply for production and quality control.
- To ensure homogeneity across the whole of Europe, partially captured linear features outside of urban agglomerations (e.g. fragments of roads or railway lines) will not be completed by the manual post editing.
- Mines and quarries will be considered built-up areas according to the above definition.
- It is proposed to include a no-data class for unclassifiable areas (e.g., clouds) which is to be marked and identified during the process of manual interpretation.

ANNEX 2: LIST OF WORKING UNITS AND EO DATA USED

The following list provides information about the two coverages of EO data which were used to create the working units. The file name is identical to the WU identification within the mitigation shapefile's attribute table and contains the specifications of sensors, paths/rows and capture dates.

The full file name is explained in the following:

[Sensor Coverage 1]_[TrackFrame Coverage 1]_[Capture Date YY/MM/DD Coverage 1]_[Instrument Coverage 1]_ [Sensor Coverage 2]_[TrackFrame Coverage 2]_[Capture Date YY/MM/DD Coverage 2]_[Instrument Coverage 2]

Table 1: List of Working Units used for the production of Italy

SCU	Working Unit
1	irsp6_025036_060711_I30_irsp6_024036_061103_I30
1	irsp6_025036_060711_I30_irsp6_026036_050627_I30
1	irsp6_025036_060711_I30_irsp6_026036_051118_I30
1	irsp6_025036_060711_I30_spot4_054257_061107_1i0
1	irsp6_025036_060711_I30_spot4_054258_061102_1i0
1	irsp6_025037_060711_I30_irsp6_024036_061103_I30
1	irsp6_025037_060711_I30_irsp6_026037_050203_I30
1	irsp6_025037_060711_I30_spot5_053258_060831_2j0
1	irsp6_026036_050627_I30_irsp6_026036_051118_I30
1	irsp6_026036_050627_I30_irsp6_026037_050203_I30
1	irsp6_027036_050702_I30_irsp6_026037_050203_I30
1	irsp6_027036_050702_I30_irsp6_028037_050426_I30
1	irsp6_027036_050702_I30_spot4_057257_060630_1i0
1	irsp6_027036_050702_I30_spot5_057258_061107_1j0
1	irsp6_027036_050702_I30_spot5_058259_061006_1j0
1	irsp6_028035_060702_I30_irsp6_028036_060912_I30
1	irsp6_028035_060702_I30_irsp6_029036_051109_I30
1	irsp6_028035_060702_I30_spot4_058255_061008_2i5
1	irsp6_028035_060702_I30_spot4_060255_060906_1i0
1	irsp6_028035_060702_I30_spot5_060255_060905_2j6
1	irsp6_028035_060702_I30_spot5_061255_060910_2j0
1	irsp6_028036_060912_I30_irsp6_029036_051109_I30
1	irsp6_028037_050426_I30_spot4_061259_060906_1i0
1	irsp6_029036_060613_I30_irsp6_029036_051109_I30
1	irsp6_029037_060613_I30_irsp6_028036_060912_I30
1	irsp6_029037_060613_I30_irsp6_028037_050426_I30
1	irsp6_029037_060613_I30_irsp6_030037_061016_I30
1	irsp6_029037_060613_I30_spot4_061259_060906_1i0
1	irsp6_029037_060613_I30_spot4_062258_061103_1i0
1	irsp6_029037_060613_I30_spot4_062259_060827_2i0
1	irsp6_029037_060613_I30_spot4_062260_060907_1i0

SCU	Working Unit
1	irsp6_029037_060613_I30_spot4_064260_060923_2i0
1	irsp6_029037_060613_I30_spot5_061257_061016_2j6
1	irsp6_029037_060613_I30_spot5_061258_061016_2j1
1	irsp6_029038_060613_I30_irsp6_028037_050426_I30
1	irsp6_029038_060613_I30_spot4_062260_060907_1i0
1	irsp6_030036_060618_I30_irsp6_029036_051109_I30
1	irsp6_030036_060618_I30_irsp6_030036_061016_I30
1	irsp6_030036_060618_I30_irsp6_030037_061016_I30
1	spot4_053257_060610_1i5_irsp6_025036_060711_I30
1	spot4_053257_060610_1i5_spot5_053258_060831_2j0
1	spot4_057255_060717_1i1_spot4_058255_061008_2i5
1	spot4_057256_060717_1i1_irsp6_026036_051118_I30
1	spot4_057256_060717_1i1_spot4_058255_061008_2i5
1	spot4_057256_060717_1i1_spot4_058256_061008_2i5
1	spot4_057257_060630_1i0_spot4_058257_060912_2i0
1	spot4_059257_060630_2i0_irsp6_028036_060912_I30
1	spot4_059257_060630_2i0_spot4_058256_060922_1i8
1	spot4_060258_060721_1i0_spot5_061257_061016_2j6
1	spot4_060258_060721_1i0_spot5_061258_061016_2j1
1	spot5_054258_050818_1j0_spot4_054258_061102_1i0
1	spot5_059256_060630_2j0_spot4_058255_061008_2i5
1	spot5_059258_060630_2j0_irsp6_028037_050426_I30
1	spot5_059259_060630_2j0_irsp6_028037_050426_I30
1	spot5_059260_060630_2j0_spot4_059260_060901_1i0
1	spot5_060257_060831_1j0_irsp6_028036_060912_I30
1	spot5_060257_060831_1j0_spot5_061257_061016_2j6
1	spot5_060259_060821_1j0_irsp6_028037_050426_I30
1	spot5_061260_060821_1j0_irsp6_028037_050426_I30
2	irsp6_024036_060730_I30_irsp6_024036_061103_I30
2	irsp6_025037_060711_I30_irsp6_025037_050902_I30
2	irsp6_025037_060711_I30_irsp6_026037_050721_I30
2	irsp6_025038_060711_I30_irsp6_025038_050902_I30
2	irsp6_025038_060711_I30_irsp6_026038_050203_I30
2	irsp6_026037_050721_I30_irsp6_025037_050902_I30
2	irsp6_026037_050721_I30_irsp6_026037_050203_I30
2	irsp6_026037_050721_I30_irsp6_026038_050203_I30
2	irsp6_027037_050702_I30_irsp6_026037_050203_I30
2	irsp6_027037_050702_I30_irsp6_028037_050426_I30
2	irsp6_027037_050702_I30_spot5_057259_060830_2j0
2	irsp6_027037_050702_I30_spot5_057260_060830_2j0
2	irsp6_027037_050702_I30_spot5_058259_061017_1j6
2	irsp6_027037_050702_I30_spot5_058260_061017_1j6
2	irsp6_028038_050731_I30_irsp6_028038_050402_I30
2	irsp6_028038_050731_I30_irsp6_029038_060613_I30

SCU	Working Unit
2	irsp6_029038_060613_I30_irsp6_028038_050402_I30
2	irsp6_029038_060613_I30_spot4_062261_060314_2i0
2	irsp6_029038_060613_I30_spot4_062262_060314_2i0
2	irsp6_029039_050501_I30_spot4_062263_060906_1i0
2	irsp6_029039_050501_I30_spot4_062264_060420_1i7
2	irsp6_029039_050501_I30_spot4_062264_060911_2i1
2	spot4_060264_060711_2i0_spot5_060264_060513_2j0
2	spot4_060264_060711_2i0_spot5_061263_050526_2j6
2	spot4_062263_060620_2i0_spot4_062263_060906_1i0
2	spot4_062264_060626_1i0_irsp6_029039_050501_I30
2	spot5_056261_060830_1j1_irsp6_026038_050203_I30
2	spot5_059262_060704_1j8_spot5_060263_060513_2j0
2	spot5_060263_060725_2j0_irsp6_029039_050501_I30
2	spot5_060263_060725_2j0_spot4_060262_051009_2i7
2	spot5_060263_060725_2j0_spot5_060263_060513_2j0
3	irsp6_029038_060613_I30_irsp6_030038_050623_I30
3	irsp6_029038_060613_I30_spot4_063260_060823_1i8
3	irsp6_029038_060613_I30_spot4_063261_060823_1i8
3	irsp6_029039_050501_I30_irsp6_030039_060525_I30
3	irsp6_030038_050623_I30_irsp6_030039_060525_I30
3	irsp6_030038_050623_I30_irsp6_031038_060623_I30
3	irsp6_030038_050623_I30_spot4_063260_060823_1i8
3	irsp6_030038_050623_I30_spot4_063261_060823_1i8
3	irsp6_030038_050623_I30_spot4_065261_060329_1i0
3	irsp6_030038_050623_I30_spot5_064261_050430_1j6
3	irsp6_030038_050623_I30_spot5_065262_050430_1j6
3	irsp6_030039_050717_I30_irsp6_029039_050501_I30
3	irsp6_030039_050717_I30_irsp6_030039_060525_I30
3	irsp6_030039_050717_I30_irsp6_031040_060623_I30
3	irsp6_030039_050717_I30_spot4_063264_060424_2i7
3	irsp6_030039_050717_I30_spot4_065264_060526_2i7
3	irsp6_030039_050717_I30_spot4_065265_060526_2i7
3	irsp6_031038_060623_I30_irsp6_031038_060506_I30
3	irsp6_031039_060623_I30_irsp6_031039_060903_I30
3	irsp6_031039_060623_I30_irsp6_031040_060903_I30
3	irsp6_031040_060623_I30_irsp6_031040_060903_I30
3	irsp6_032039_060722_I30_irsp6_032039_061026_I30
3	irsp6_032040_060722_I30_irsp6_031040_060903_I30
3	irsp6_032040_060722_I30_irsp6_032040_061026_I30
3	spot4_068268_060626_2i0_spot4_068268_060415_1i0
4	irsp6_032042_060722_I30_irsp6_032042_061026_I30
4	irsp6_032043_060722_I30_irsp6_032043_061026_I30
4	irsp6_033043_050801_I30_irsp6_033043_060329_I30
4	irsp6_033043_060329_I30_irsp6_034043_050502_I30

SCU	Working Unit
4	irsp6_034043_050502_I30_ irsp6_035043_050811_I30
4	irsp6_034043_050502_I30_spot4_072273_060823_2i0
4	irsp6_035043_060619_I30_ irsp6_035043_050811_I30
4	irsp6_035044_060619_I30_ irsp6_034044_060403_I30
4	irsp6_035044_060619_I30_spot5_075275_050415_1j0
4	irsp6_035044_060619_I30_spot5_075276_050430_1j0
4	spot4_072273_060622_2i0_ irsp6_034043_050502_I30
4	spot4_072275_060616_1i0_ irsp6_034044_060403_I30
4	spot4_072275_060616_1i6_ irsp6_034044_060403_I30
4	spot5_072274_060721_1j0_ irsp6_034043_050502_I30
4	spot5_074273_060625_1j1_ irsp6_034043_050502_I30
4	spot5_074274_060706_2j0_ irsp6_034043_050502_I30
4	spot5_074275_060616_2j0_ irsp6_034043_050502_I30
4	spot5_074275_060616_2j0_ irsp6_034044_060403_I30
4	spot5_074276_060616_2j0_ irsp6_034044_060403_I30
5	irsp6_033040_060727_007_ irsp6_032040_061026_I30
5	irsp6_033040_060727_007_ irsp6_034040_050502_I30
5	irsp6_033040_060727_007_spot4_070265_060516_1i0
5	irsp6_033040_060727_007_spot4_070266_060522_1i0
5	irsp6_033040_060727_020_ irsp6_033040_060913_I30
5	irsp6_033040_060727_020_spot4_070267_060522_1i0
5	irsp6_033040_060913_I30_ irsp6_034041_050502_I30
5	irsp6_034040_050502_I30_ irsp6_035040_060408_I30
5	irsp6_035041_060619_I30_ irsp6_034041_050502_I30
5	irsp6_035041_060619_I30_ irsp6_035040_060408_I30
5	irsp6_035041_060619_I30_ irsp6_035041_060408_I30
5	irsp6_035042_060619_I30_ irsp6_035042_051115_I30
5	irsp6_036041_060624_I30_ irsp6_035040_060408_I30
5	irsp6_036041_060624_I30_ irsp6_035041_060408_I30
5	irsp6_036041_060624_I30_ irsp6_036041_060904_I30
5	irsp6_036042_060718_I30_ irsp6_036042_060904_I30
5	irsp6_037041_060723_I30_ irsp6_037041_050517_I30
5	spot4_072266_060621_1i0_ irsp6_034040_050502_I30
5	spot4_072267_060621_1i0_ irsp6_034040_050502_I30
5	spot4_072267_060621_1i0_ irsp6_034041_050502_I30
5	spot4_074267_060717_2i1_ irsp6_034040_050502_I30
5	spot4_074268_060717_2i0_ irsp6_034041_050502_I30
5	spot4_074268_060717_2i8_ irsp6_034041_050502_I30
5	spot5_072265_060722_2j0_ irsp6_034040_050502_I30
5	spot5_072268_060721_1j0_ irsp6_034041_050502_I30
5	spot5_072269_060721_1j0_ irsp6_034041_050502_I30
5	spot5_074266_060706_1j1_ irsp6_034040_050502_I30
5	spot5_074269_060625_1j8_ spot5_074269_050522_2j6
5	spot5_075267_060615_1j0_ irsp6_035040_060408_I30

SCU	Working Unit
6	irsp6_027040_060510_I30_irsp6_027041_061025_I30
6	irsp6_027040_060510_I30_irsp6_028041_060702_I30
6	irsp6_027040_060510_I30_spot4_057267_060630_1i0
6	irsp6_028040_060608_I30_spot4_059267_060403_1i1
6	irsp6_028040_060608_I30_spot4_060267_060408_1i0
6	irsp6_028041_060702_I30_irsp6_028041_050426_I30
6	irsp6_028042_060702_I30_irsp6_028042_050426_I30
6	irsp6_028042_060702_I30_irsp6_029042_060824_I30
6	spot4_062271_060621_1i0_irsp6_029042_060824_I30
6	spot4_070278_060823_I30_irsp6_033045_060422_I30
6	spot4_071278_060823_2i5_irsp6_033045_060422_I30

ANNEX 3: SAMPLE PLOT VALIDATION SHEET

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
0	0,000	FALSE	FALSE	TRUE	FALSE
1	0,000	FALSE	FALSE	TRUE	FALSE
2	0,000	FALSE	FALSE	TRUE	FALSE
3	0,000	FALSE	FALSE	TRUE	FALSE
4	0,000	FALSE	FALSE	TRUE	FALSE
5	0,000	FALSE	FALSE	TRUE	FALSE
6	0,000	FALSE	FALSE	TRUE	FALSE
7	0,000	FALSE	FALSE	TRUE	FALSE
8	1,420	FALSE	FALSE	TRUE	FALSE
9	0,000	FALSE	FALSE	TRUE	FALSE
10	0,000	FALSE	FALSE	TRUE	TRUE
11	0,000	FALSE	FALSE	TRUE	FALSE
12	0,000	FALSE	FALSE	TRUE	FALSE
13	25,918	FALSE	FALSE	TRUE	FALSE
14	0,000	FALSE	FALSE	TRUE	FALSE
15	0,000	FALSE	FALSE	TRUE	FALSE
16	0,000	FALSE	FALSE	TRUE	FALSE
17	0,000	FALSE	FALSE	TRUE	FALSE
18	0,000	FALSE	FALSE	TRUE	FALSE
19	0,000	FALSE	FALSE	TRUE	FALSE
20	0,000	FALSE	FALSE	TRUE	FALSE
21	0,000	FALSE	FALSE	TRUE	FALSE
22	0,000	FALSE	FALSE	TRUE	FALSE
23	0,000	FALSE	FALSE	TRUE	FALSE
24	0,000	FALSE	FALSE	TRUE	FALSE
25	54,803	FALSE	FALSE	TRUE	FALSE
26	0,000	FALSE	FALSE	TRUE	TRUE
27	0,000	FALSE	FALSE	TRUE	FALSE
28	0,000	FALSE	FALSE	TRUE	FALSE
29	0,000	FALSE	FALSE	TRUE	FALSE
30	99,057	TRUE	TRUE	TRUE	FALSE
31	93,279	TRUE	TRUE	TRUE	FALSE
32	35,918	FALSE	FALSE	TRUE	FALSE
33	31,782	FALSE	FALSE	TRUE	FALSE
34	46,118	FALSE	FALSE	TRUE	FALSE
35	3,964	FALSE	FALSE	TRUE	FALSE
36	78,454	FALSE	TRUE	FALSE	FALSE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
37	95,465	TRUE	TRUE	TRUE	FALSE
38	98,512	TRUE	TRUE	TRUE	FALSE
39	15,714	FALSE	FALSE	TRUE	TRUE
40	15,823	FALSE	FALSE	TRUE	FALSE
41	8,166	FALSE	FALSE	TRUE	FALSE
42	64,594	FALSE	TRUE	FALSE	FALSE
43	26,544	FALSE	FALSE	TRUE	FALSE
44	0,000	FALSE	FALSE	TRUE	FALSE
45	32,698	FALSE	FALSE	TRUE	FALSE
46	56,082	FALSE	FALSE	TRUE	FALSE
47	36,426	FALSE	FALSE	TRUE	FALSE
48	51,236	FALSE	FALSE	TRUE	FALSE
49	65,281	FALSE	TRUE	FALSE	FALSE
50	50,977	FALSE	TRUE	FALSE	FALSE
51	65,660	FALSE	TRUE	FALSE	FALSE
52	98,186	TRUE	TRUE	TRUE	FALSE
53	0,000	FALSE	FALSE	TRUE	FALSE
54	79,293	FALSE	TRUE	FALSE	FALSE
55	0,000	FALSE	FALSE	TRUE	FALSE
56	12,517	FALSE	FALSE	TRUE	FALSE
57	15,918	FALSE	FALSE	TRUE	FALSE
58	21,134	FALSE	FALSE	TRUE	FALSE
59	31,986	FALSE	FALSE	TRUE	FALSE
60	0,000	FALSE	FALSE	TRUE	FALSE
61	0,000	FALSE	FALSE	TRUE	FALSE
62	0,000	FALSE	FALSE	TRUE	FALSE
63	229,234	NO DATA	FALSE	FALSE	TRUE
64	0,000	FALSE	FALSE	TRUE	TRUE
65	0,000	FALSE	FALSE	TRUE	FALSE
66	0,000	FALSE	FALSE	TRUE	FALSE
67	0,000	FALSE	FALSE	TRUE	TRUE
68	0,000	FALSE	FALSE	TRUE	FALSE
69	0,000	FALSE	FALSE	TRUE	TRUE
70	0,000	FALSE	FALSE	TRUE	FALSE
71	0,000	FALSE	FALSE	TRUE	FALSE
72	0,000	FALSE	FALSE	TRUE	FALSE
73	0,000	FALSE	FALSE	TRUE	FALSE
74	0,000	FALSE	FALSE	TRUE	FALSE
75	0,000	FALSE	FALSE	TRUE	FALSE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
76	0,000	FALSE	FALSE	TRUE	FALSE
77	0,000	FALSE	FALSE	TRUE	FALSE
78	0,000	FALSE	FALSE	TRUE	FALSE
79	0,000	FALSE	FALSE	TRUE	FALSE
80	0,000	FALSE	FALSE	TRUE	FALSE
81	0,000	FALSE	FALSE	TRUE	FALSE
82	0,000	FALSE	FALSE	TRUE	FALSE
83	0,000	FALSE	FALSE	TRUE	FALSE
84	0,000	FALSE	FALSE	TRUE	FALSE
85	41,864	FALSE	FALSE	TRUE	FALSE
86	0,000	FALSE	FALSE	TRUE	FALSE
87	0,000	FALSE	FALSE	TRUE	FALSE
88	0,000	FALSE	FALSE	TRUE	FALSE
89	0,000	FALSE	FALSE	TRUE	FALSE
90	11,546	FALSE	FALSE	TRUE	FALSE
91	0,000	FALSE	FALSE	TRUE	FALSE
92	13,571	FALSE	FALSE	TRUE	FALSE
93	16,837	FALSE	FALSE	TRUE	FALSE
94	30,884	FALSE	FALSE	TRUE	FALSE
95	82,481	TRUE	TRUE	TRUE	TRUE
96	59,828	FALSE	TRUE	FALSE	FALSE
97	62,354	FALSE	FALSE	TRUE	FALSE
98	99,605	TRUE	TRUE	TRUE	FALSE
99	37,252	FALSE	FALSE	TRUE	FALSE
100	77,125	FALSE	TRUE	FALSE	FALSE
101	43,567	FALSE	FALSE	TRUE	FALSE
102	32,079	FALSE	FALSE	TRUE	FALSE
103	0,000	FALSE	FALSE	TRUE	FALSE
104	57,871	FALSE	FALSE	TRUE	FALSE
105	4,354	FALSE	FALSE	TRUE	FALSE
106	50,658	FALSE	FALSE	TRUE	FALSE
107	68,871	FALSE	FALSE	TRUE	FALSE
108	35,884	FALSE	FALSE	TRUE	FALSE
109	31,610	FALSE	FALSE	TRUE	FALSE
110	0,000	FALSE	FALSE	TRUE	FALSE
111	81,295	TRUE	FALSE	FALSE	FALSE
112	81,673	TRUE	TRUE	TRUE	FALSE
113	6,685	FALSE	FALSE	TRUE	FALSE
114	3,628	FALSE	FALSE	TRUE	FALSE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
115	11,111	FALSE	FALSE	TRUE	FALSE
116	62,540	FALSE	FALSE	TRUE	FALSE
117	0,000	FALSE	FALSE	TRUE	FALSE
118	35,057	FALSE	TRUE	FALSE	FALSE
119	21,678	FALSE	FALSE	TRUE	FALSE
120	0,000	FALSE	FALSE	TRUE	TRUE
121	0,000	FALSE	FALSE	TRUE	FALSE
122	0,000	FALSE	FALSE	TRUE	FALSE
123	0,000	FALSE	FALSE	TRUE	FALSE
124	0,000	FALSE	FALSE	TRUE	FALSE
125	0,000	FALSE	FALSE	TRUE	TRUE
126	0,000	FALSE	FALSE	TRUE	FALSE
127	48,224	FALSE	FALSE	TRUE	FALSE
128	0,000	FALSE	FALSE	TRUE	FALSE
129	0,000	FALSE	FALSE	TRUE	FALSE
130	0,000	FALSE	FALSE	TRUE	FALSE
131	0,000	FALSE	FALSE	TRUE	TRUE
132	0,000	FALSE	FALSE	TRUE	FALSE
133	0,000	FALSE	FALSE	TRUE	FALSE
134	0,000	FALSE	FALSE	TRUE	FALSE
135	0,000	FALSE	FALSE	TRUE	FALSE
136	0,000	FALSE	FALSE	TRUE	FALSE
137	1,052	FALSE	FALSE	TRUE	FALSE
138	0,000	FALSE	FALSE	TRUE	FALSE
139	0,000	FALSE	FALSE	TRUE	FALSE
140	0,000	FALSE	FALSE	TRUE	FALSE
141	0,000	FALSE	FALSE	TRUE	FALSE
142	0,000	FALSE	FALSE	TRUE	FALSE
143	0,000	FALSE	FALSE	TRUE	FALSE
144	0,000	FALSE	FALSE	TRUE	FALSE
145	0,000	FALSE	FALSE	TRUE	FALSE
146	0,000	FALSE	FALSE	TRUE	FALSE
147	0,000	FALSE	FALSE	TRUE	TRUE
148	0,000	FALSE	FALSE	TRUE	FALSE
149	0,000	FALSE	FALSE	TRUE	FALSE
150	3,510	FALSE	FALSE	TRUE	FALSE
151	15,683	FALSE	FALSE	TRUE	FALSE
152	82,601	TRUE	TRUE	TRUE	FALSE
153	80,426	TRUE	TRUE	TRUE	FALSE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
154	37,302	FALSE	FALSE	TRUE	FALSE
155	19,129	FALSE	FALSE	TRUE	FALSE
156	84,907	TRUE	TRUE	TRUE	FALSE
157	54,701	FALSE	FALSE	TRUE	FALSE
158	0,000	FALSE	FALSE	TRUE	FALSE
159	73,968	FALSE	FALSE	TRUE	FALSE
160	75,519	FALSE	TRUE	FALSE	FALSE
161	65,168	FALSE	FALSE	TRUE	FALSE
162	46,451	FALSE	FALSE	TRUE	FALSE
163	46,685	FALSE	FALSE	TRUE	FALSE
164	99,746	TRUE	TRUE	TRUE	FALSE
165	26,032	FALSE	FALSE	TRUE	FALSE
166	64,231	FALSE	FALSE	TRUE	FALSE
167	11,302	FALSE	FALSE	TRUE	FALSE
168	52,288	FALSE	TRUE	FALSE	FALSE
169	7,029	FALSE	FALSE	TRUE	FALSE
170	74,435	FALSE	TRUE	FALSE	FALSE
171	32,018	FALSE	FALSE	TRUE	FALSE
172	89,823	TRUE	TRUE	TRUE	FALSE
173	69,898	FALSE	FALSE	TRUE	FALSE
174	70,107	FALSE	FALSE	TRUE	FALSE
175	82,757	TRUE	TRUE	TRUE	FALSE
176	88,635	TRUE	TRUE	TRUE	FALSE
177	96,689	TRUE	TRUE	TRUE	FALSE
178	91,397	TRUE	TRUE	TRUE	FALSE
179	59,746	FALSE	TRUE	FALSE	FALSE
180	0,000	FALSE	FALSE	TRUE	FALSE
181	0,000	FALSE	FALSE	TRUE	FALSE
182	0,000	FALSE	FALSE	TRUE	FALSE
183	0,000	FALSE	FALSE	TRUE	FALSE
184	0,000	FALSE	FALSE	TRUE	FALSE
185	0,000	FALSE	FALSE	TRUE	FALSE
186	0,000	FALSE	FALSE	TRUE	TRUE
187	0,000	FALSE	FALSE	TRUE	TRUE
188	0,000	FALSE	FALSE	TRUE	TRUE
189	10,304	FALSE	FALSE	TRUE	TRUE
190	0,000	FALSE	FALSE	TRUE	FALSE
191	0,000	FALSE	FALSE	TRUE	FALSE
192	0,000	FALSE	FALSE	TRUE	FALSE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
193	0,000	FALSE	FALSE	TRUE	FALSE
194	0,000	FALSE	FALSE	TRUE	TRUE
195	0,449	FALSE	FALSE	TRUE	TRUE
196	0,000	FALSE	FALSE	TRUE	TRUE
197	0,000	FALSE	FALSE	TRUE	TRUE
198	0,000	FALSE	FALSE	TRUE	FALSE
199	0,000	FALSE	FALSE	TRUE	FALSE
200	0,000	FALSE	FALSE	TRUE	FALSE
201	0,000	FALSE	FALSE	TRUE	FALSE
202	0,000	FALSE	FALSE	TRUE	FALSE
203	0,000	FALSE	FALSE	TRUE	FALSE
204	0,000	FALSE	FALSE	TRUE	TRUE
205	0,000	FALSE	FALSE	TRUE	FALSE
206	0,000	FALSE	FALSE	TRUE	FALSE
207	0,000	FALSE	FALSE	TRUE	TRUE
208	0,000	FALSE	FALSE	TRUE	FALSE
209	0,000	FALSE	FALSE	TRUE	FALSE
210	11,138	FALSE	FALSE	TRUE	FALSE
211	0,646	FALSE	FALSE	TRUE	TRUE
212	17,025	FALSE	FALSE	TRUE	FALSE
213	67,823	FALSE	TRUE	FALSE	FALSE
214	26,549	FALSE	FALSE	FALSE	TRUE
215	86,168	TRUE	TRUE	TRUE	FALSE
216	0,000	FALSE	FALSE	TRUE	TRUE
217	16,821	FALSE	TRUE	FALSE	FALSE
218	80,200	TRUE	TRUE	TRUE	TRUE
219	69,633	FALSE	TRUE	FALSE	TRUE
220	35,862	FALSE	FALSE	TRUE	FALSE
221	1,270	FALSE	FALSE	TRUE	TRUE
222	94,712	TRUE	TRUE	TRUE	FALSE
223	34,823	FALSE	FALSE	TRUE	TRUE
224	30,349	FALSE	TRUE	FALSE	FALSE
225	51,029	FALSE	TRUE	FALSE	TRUE
226	57,449	FALSE	FALSE	TRUE	FALSE
227	78,900	FALSE	TRUE	FALSE	FALSE
228	100,000	TRUE	TRUE	TRUE	FALSE
229	9,467	FALSE	FALSE	TRUE	FALSE
230	56,009	FALSE	TRUE	FALSE	TRUE
231	0,000	FALSE	FALSE	TRUE	FALSE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
232	40,635	FALSE	FALSE	TRUE	TRUE
233	53,351	FALSE	TRUE	FALSE	TRUE
234	0,000	FALSE	FALSE	TRUE	FALSE
235	0,000	FALSE	FALSE	TRUE	TRUE
236	1,161	FALSE	FALSE	TRUE	FALSE
237	7,977	FALSE	FALSE	TRUE	FALSE
238	19,764	FALSE	FALSE	TRUE	FALSE
239	3,810	FALSE	FALSE	TRUE	TRUE
240	5,361	FALSE	FALSE	TRUE	FALSE
241	254,000	NO DATA	FALSE	FALSE	TRUE
242	0,000	FALSE	FALSE	TRUE	TRUE
243	0,000	FALSE	FALSE	TRUE	FALSE
244	0,000	FALSE	FALSE	TRUE	FALSE
245	0,000	FALSE	FALSE	TRUE	TRUE
246	0,000	FALSE	FALSE	TRUE	FALSE
247	0,000	FALSE	FALSE	TRUE	FALSE
248	254,000	NO DATA	FALSE	FALSE	TRUE
249	0,000	FALSE	FALSE	TRUE	TRUE
250	250,544	NO DATA	FALSE	FALSE	TRUE
251	0,000	FALSE	FALSE	TRUE	FALSE
252	0,000	FALSE	FALSE	TRUE	FALSE
253	0,036	FALSE	FALSE	TRUE	FALSE
254	0,000	FALSE	FALSE	TRUE	FALSE
255	25,354	FALSE	FALSE	TRUE	FALSE
256	0,000	FALSE	FALSE	TRUE	FALSE
257	0,000	FALSE	FALSE	TRUE	TRUE
258	0,653	FALSE	FALSE	TRUE	FALSE
259	0,000	FALSE	FALSE	TRUE	FALSE
260	0,000	FALSE	FALSE	TRUE	FALSE
261	0,000	FALSE	FALSE	TRUE	FALSE
262	0,000	FALSE	FALSE	TRUE	FALSE
263	0,000	FALSE	FALSE	TRUE	TRUE
264	0,000	FALSE	FALSE	TRUE	FALSE
265	0,000	FALSE	FALSE	TRUE	FALSE
266	0,000	FALSE	FALSE	TRUE	FALSE
267	0,000	FALSE	FALSE	TRUE	FALSE
268	11,460	FALSE	FALSE	TRUE	FALSE
269	254,000	NO DATA	FALSE	FALSE	TRUE
270	62,726	FALSE	TRUE	FALSE	TRUE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
271	44,567	FALSE	FALSE	TRUE	TRUE
272	36,590	FALSE	FALSE	TRUE	FALSE
273	50,107	FALSE	TRUE	FALSE	FALSE
274	83,070	TRUE	TRUE	TRUE	FALSE
275	0,000	FALSE	FALSE	TRUE	FALSE
276	71,762	FALSE	TRUE	FALSE	FALSE
277	93,968	TRUE	TRUE	TRUE	FALSE
278	92,109	TRUE	TRUE	TRUE	FALSE
279	9,615	FALSE	FALSE	TRUE	FALSE
280	9,551	FALSE	FALSE	TRUE	FALSE
281	100,000	TRUE	TRUE	TRUE	FALSE
282	26,358	FALSE	FALSE	TRUE	FALSE
283	57,109	FALSE	FALSE	TRUE	FALSE
284	23,723	FALSE	FALSE	TRUE	FALSE
285	90,458	TRUE	TRUE	TRUE	FALSE
286	27,810	FALSE	TRUE	FALSE	FALSE
287	35,243	FALSE	FALSE	TRUE	FALSE
288	70,311	FALSE	TRUE	FALSE	FALSE
289	13,011	FALSE	FALSE	TRUE	TRUE
290	0,000	FALSE	FALSE	TRUE	FALSE
291	5,574	FALSE	FALSE	TRUE	FALSE
292	64,952	FALSE	TRUE	FALSE	FALSE
293	51,413	FALSE	TRUE	FALSE	FALSE
294	77,968	FALSE	TRUE	FALSE	FALSE
295	26,270	FALSE	FALSE	TRUE	FALSE
296	22,485	FALSE	FALSE	TRUE	FALSE
297	15,295	FALSE	FALSE	TRUE	TRUE
298	99,673	TRUE	FALSE	FALSE	FALSE
299	21,932	FALSE	TRUE	FALSE	FALSE
300	0,000	FALSE	FALSE	TRUE	FALSE
301	20,404	FALSE	FALSE	TRUE	FALSE
302	0,000	FALSE	FALSE	TRUE	FALSE
303	0,000	FALSE	FALSE	TRUE	FALSE
304	0,000	FALSE	FALSE	TRUE	TRUE
305	0,000	FALSE	FALSE	TRUE	TRUE
306	0,000	FALSE	FALSE	TRUE	FALSE
307	0,000	FALSE	FALSE	TRUE	FALSE
308	0,000	FALSE	FALSE	TRUE	FALSE
309	0,000	FALSE	FALSE	TRUE	TRUE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
310	0,000	FALSE	FALSE	TRUE	TRUE
311	0,000	FALSE	FALSE	TRUE	FALSE
312	0,000	FALSE	FALSE	TRUE	FALSE
313	0,000	FALSE	FALSE	TRUE	FALSE
314	0,000	FALSE	FALSE	TRUE	FALSE
315	0,000	FALSE	FALSE	TRUE	TRUE
316	0,000	FALSE	FALSE	TRUE	FALSE
317	0,000	FALSE	FALSE	TRUE	TRUE
318	0,000	FALSE	FALSE	TRUE	TRUE
319	0,000	FALSE	FALSE	TRUE	FALSE
320	0,000	FALSE	FALSE	TRUE	TRUE
321	0,000	FALSE	FALSE	TRUE	FALSE
322	0,000	FALSE	FALSE	TRUE	TRUE
323	0,000	FALSE	FALSE	TRUE	FALSE
324	0,000	FALSE	FALSE	TRUE	FALSE
325	0,000	FALSE	FALSE	TRUE	FALSE
326	0,000	FALSE	FALSE	TRUE	FALSE
327	254,000	NO DATA	FALSE	FALSE	TRUE
328	0,000	FALSE	FALSE	TRUE	TRUE
329	0,000	FALSE	FALSE	TRUE	FALSE
330	31,020	FALSE	FALSE	TRUE	FALSE
331	52,100	FALSE	FALSE	TRUE	FALSE
332	0,000	FALSE	FALSE	TRUE	FALSE
333	0,000	FALSE	FALSE	TRUE	FALSE
334	86,789	TRUE	TRUE	TRUE	FALSE
335	3,510	FALSE	FALSE	TRUE	FALSE
336	61,950	FALSE	FALSE	TRUE	FALSE
337	90,086	TRUE	TRUE	TRUE	FALSE
338	52,277	FALSE	FALSE	TRUE	TRUE
339	41,898	FALSE	TRUE	FALSE	TRUE
340	6,812	FALSE	FALSE	TRUE	FALSE
341	3,846	FALSE	FALSE	TRUE	FALSE
342	52,485	FALSE	FALSE	TRUE	FALSE
343	0,000	FALSE	FALSE	TRUE	FALSE
344	74,134	FALSE	FALSE	TRUE	FALSE
345	46,741	FALSE	FALSE	TRUE	FALSE
346	0,000	FALSE	FALSE	TRUE	FALSE
347	48,789	FALSE	FALSE	TRUE	FALSE
348	94,268	TRUE	TRUE	TRUE	FALSE

Sample Plot 100 x100 m [ID]	FTSP Degrees of Soil Sealing [Mean Value]	FTSP Built up [TRUE / FALSE]	Reference Built up [TRUE / FALSE]	Compliance	Excluded by Mitigation Shape [TRUE / FALSE]
349	61,224	FALSE	TRUE	FALSE	FALSE
350	58,769	FALSE	TRUE	FALSE	TRUE
351	50,846	FALSE	FALSE	TRUE	FALSE
352	41,170	FALSE	TRUE	FALSE	FALSE
353	1,361	FALSE	TRUE	FALSE	FALSE
354	98,939	TRUE	TRUE	TRUE	FALSE
355	79,501	FALSE	TRUE	FALSE	FALSE
356	74,200	FALSE	TRUE	FALSE	FALSE
357	46,567	FALSE	FALSE	TRUE	FALSE
358	43,519	FALSE	FALSE	TRUE	FALSE
359	0,145	FALSE	FALSE	TRUE	FALSE