

# Shapefiles

## For Rural Payments Wales (RPW) Woodland Planting Schemes

### Introduction

From November 2021, Geographical Information (GI) Shapefiles containing areas selected under Woodland Planting schemes will now be issued in place of GeoPDF maps. Shapefiles will enable Woodland Planners to import selected Expression of Interest (EOI) boundary data into their GI system.

This will allow Planners to use their own preferred GI software for creation of plan mapping.

### Section 1 – Issue of Shapefiles

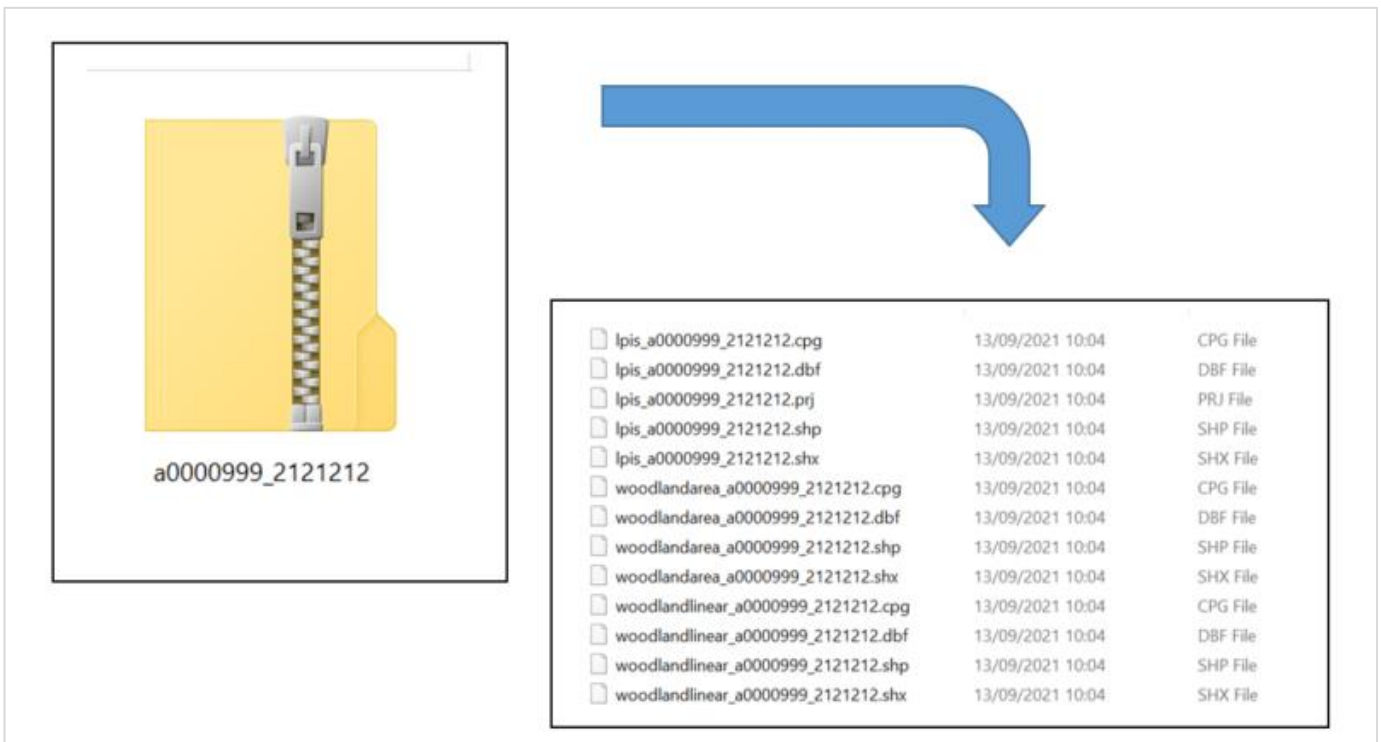
#### **When will Shapefiles be issued?**

Shapefiles will be issued to each customer via RPW Online following successful selection under a woodland planting scheme. The Shapefile will be issued within a .zip file container.

#### **What is included in the Shapefile?**

The Shapefile .zip contains three layers – the first layer holds boundary details of the Land Parcel Identification System (LPIS) field parcels selected under the EOI, the second layer is a blank template for planners to map polygon (planting area) data, and the third layer is a blank template for planners to map linear (fencing) data.

#### **The .zip file contents will appear as follows:**



The diagram illustrates the structure of the zip file. On the left is a yellow zip file icon with the label 'a0000999\_2121212'. A blue arrow points from this icon to a screenshot of a file explorer window on the right. The file explorer window displays the following files:

lpis_a0000999_2121212.cpg	13/09/2021 10:04	CPG File
lpis_a0000999_2121212.dbf	13/09/2021 10:04	DBF File
lpis_a0000999_2121212.prj	13/09/2021 10:04	PRJ File
lpis_a0000999_2121212.shp	13/09/2021 10:04	SHP File
lpis_a0000999_2121212.shx	13/09/2021 10:04	SHX File
woodlandarea_a0000999_2121212.cpg	13/09/2021 10:04	CPG File
woodlandarea_a0000999_2121212.dbf	13/09/2021 10:04	DBF File
woodlandarea_a0000999_2121212.shp	13/09/2021 10:04	SHP File
woodlandarea_a0000999_2121212.shx	13/09/2021 10:04	SHX File
woodlandlinear_a0000999_2121212.cpg	13/09/2021 10:04	CPG File
woodlandlinear_a0000999_2121212.dbf	13/09/2021 10:04	DBF File
woodlandlinear_a0000999_2121212.shp	13/09/2021 10:04	SHP File
woodlandlinear_a0000999_2121212.shx	13/09/2021 10:04	SHX File

Important note – when the Shapefile .zip is downloaded from RPW Online, please ensure you retain the filename shown in the RPW Online message, along with any version number shown – i.e., A0000000\_7777777.zip or A0000000\_7777777\_Version1.zip

The .zip file has the naming convention **CRN\_EOIReference.zip** and will contain the following shape layers:

- **Selected LPIS Field parcels - *lpis\_CRN\_EOIReference.shp***

This layer contains the field parcel boundary areas of the parcels that were selected following successful Expression of Interest. This layer must not be edited.

- **Blank Woodland Area Template - *woodlandarea\_CRN\_EOIReference.shp***

The planner will need to map all planting area polygons in this layer.

- **Blank Woodland Linear Template - *woodlandlinear\_CRN\_EOIReference.shp***

The planner will need to map all fencing linear features in this layer.

## **Section 2 - Marking-up the Shapefile**

Planners should add their mark-up to the blank Area and Linear template layers. No additional layers are required to be submitted to RPW. Planners must not make changes to the field parcel boundaries in the ***lpis\_CRN\_EOIReference*** layer. These boundaries denote the area selected under the scheme.

### **Woodland Opportunity Map (WOM)**

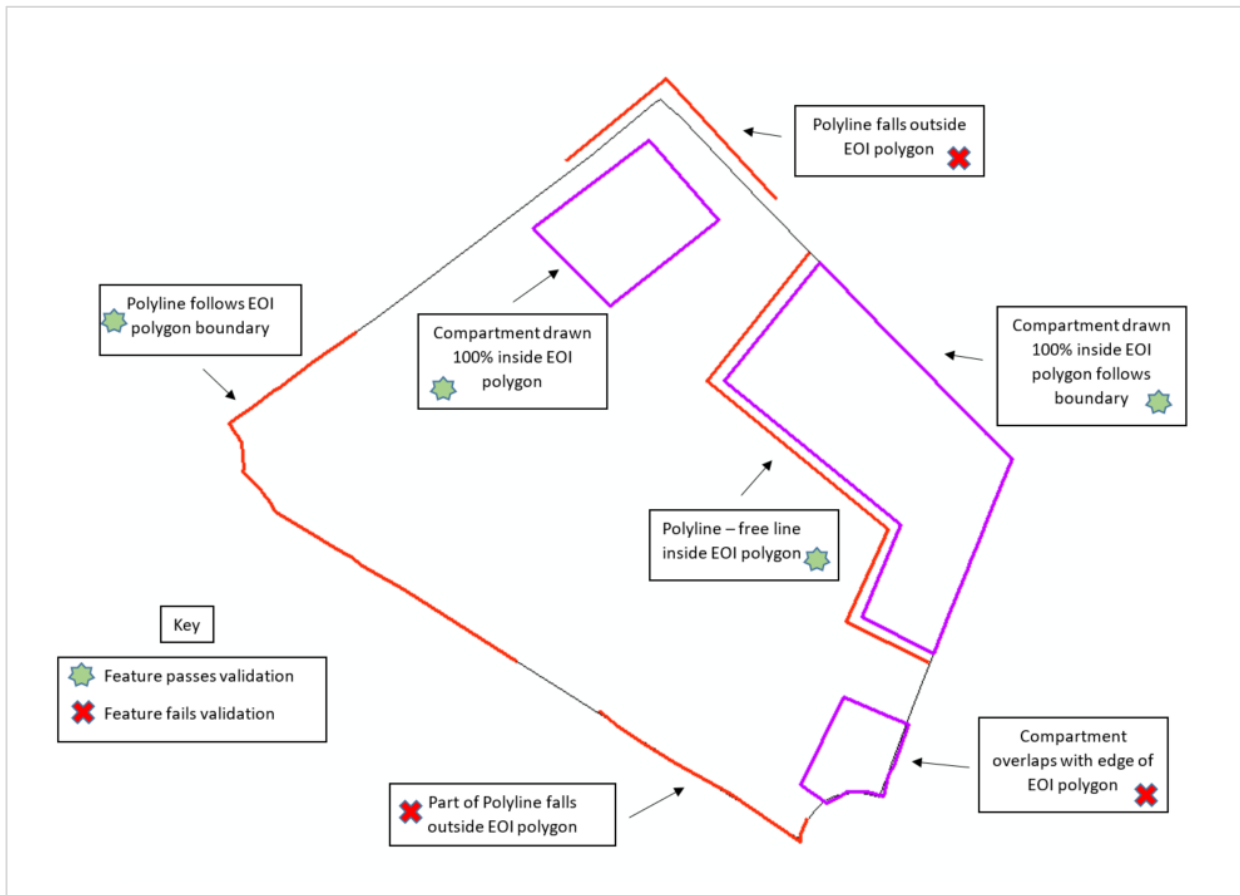
Welsh Government have reviewed and updated their [Woodland Opportunity Map](#) (WOM) web-map browser which now sits on the Welsh Government's GeoPortal – DataMapWales. This is an online viewer which provides a general guide to landowners and aims to identify areas of Wales which are most suited to new woodland creation. The map also includes information to show areas that are potentially sensitive to new woodland creation and signposts further guidance on consultation with the appropriate authority. The map is relevant to **all** woodland creation proposals whether public or privately funded and is used in the assessment of applications for Welsh Government planting schemes. Its aim is to ensure that trees are planted in the right place for maximum benefit.

To assist Woodland Planners in preparation of woodland plans, all constraints and sensitivities connected with the selected planting area can be found and downloaded from the WOM.

A complete user guide has been produced to provide you with an introduction to the updated WOM and shows how it works to support decision making on new woodland planting in Wales. The link can be found at [gov.wales/woodland-opportunity-map-user-guide](http://gov.wales/woodland-opportunity-map-user-guide)

## Guidelines for mapping Area and Linear features

All polygons and linear features must be mapped within selected Field Parcel boundaries – the image below shows guidelines for mapping that should be adhered to:



## Adding layer information

Each polygon or linear feature will need to have attributes added according to the type. It is the responsibility of those creating the plan to ensure the careful and accurate capture of all features and attributes.

Examples of the required attribute information are shown below. Please ensure the data you capture in these tables corresponds with the submitted Woodland Plan:

### Area – Planting Polygon

Field name in Shape file	Description	Example of format required
<b>FID</b>	Field ID (Auto generated)	1
<b>CRN</b>	Customer Reference Number	A0000000
<b>APPID</b>	EOI Reference	7777777
<b>OSSHEET</b>	Ordinance Survey Sheet Number	SN1234
<b>NGFIELD</b>	National grid Field Number	1234
<b>SPECIES1 - 20</b>	Tree species – up to 20 rows	Rowan
<b>PERCENT1 - 20</b>	Percentage of area – up to 20 rows	99
<b>GRANTCODE</b>	Option Type, e.g. 801 for Biodiversity	801
<b>SCHWINDOW</b>	Scheme window	11
<b>USERNAME</b>	Editor / Company name	name / company
<b>DATE</b>	Date	YYYY-MM-DD
<b>UNIQUEID</b>	Use to refer to item in the Plan.	1

woodlandarea	
USERNAME	Ronny Jones
(Derived)	
(Actions)	
ID	NULL
CRN	A0000000
APPID	3492455
OSSHEET	SN7820
NGFIELD	1111
SPECIES1	Alder
PERCENT1	20
SPECIES2	Oak
PERCENT2	20
SPECIES3	Willow
PERCENT3	20
SPECIES4	Rowan
PERCENT4	20
SPECIES5	Birch
PERCENT5	20
GRANTCODE	801
SCHWINDOW	10
USERNAME	Ronny Jones
DATE	2021-10-08
UNIQUEID	3

## Linear – Fencing Line

Field Name in Shape file	Description	Example of format required
<b>FID</b>	<i>Field ID (Auto generated)</i>	1
<b>CRN</b>	<i>Customer Reference Number</i>	A0000000
<b>APPID</b>	<i>EOI Reference</i>	7777777
<b>OSHEET</b>	<i>Ordinance Survey Sheet Number</i>	SN1234
<b>NGFIELD</b>	<i>National grid Field Number</i>	1234
<b>LINETYPE</b>	<i>Option Type, e.g. 595 Fencing</i>	595
<b>UNIQUEID</b>	<i>Use to refer to item in the Plan.</i>	1
<b>GRANTCODE</b>	<i>Option Type, e.g. 595 Fencing</i>	595
<b>SCHWINDOW</b>	<i>Scheme window</i>	2021
<b>USERNAME</b>	<i>Editor / Company name</i>	name / company
<b>DATE</b>	<i>Date</i>	YYYY-MM-DD

woodlandlinear	
USERNAME	Ronny Jones
(Derived)	
(Actions)	
ID	3
CRN	A0000000
APPID	4141441
OSSHEET	SN2345
NGFIELD	7839
LINETYPE	595
UNIQUEID	3
GRANTCODE	595
SCHWINDOW	10
USERNAME	Ronny Jones
DATE	2021-10-08

## Section 3 - Returning the Shapefile to RPW

When all planting/fencing and attribute table details have been created, all three layers must be saved/exported back into the exact same Shapefile format inside a .zip file container, keeping all naming conventions intact. The file name of the returned .zip file must be the same as was sent to the customer (including a version number if applicable - see below for more information on version numbering).

The Shapefile .zip should be returned via the customer's RPW Online account, along with the signed Woodland Plan and any other supporting documents.

### Shapefile Validation

Once returned to RPW, the Shapefile will be validated - this will check for geometry errors and that all mapped features are within selected field parcel boundary extents. In cases where RPW validation fails, the Shapefile will be returned to the customer via RPW Online for amendment by the Woodland Planner.

Shapefiles will not be referred to NRW for verification until all validation has been passed.

### Validation Failures – Version numbering

If a submitted Shapefile fails RPW validation, the naming convention of the .zip file will be updated to contain a version number e.g., **CRN\_EOIReference\_Version#.zip**, and will be returned to the customer via RPW Online. This naming convention with the additional version number should also be maintained by the Planner when returning the corrected, returned Shapefile .zip.