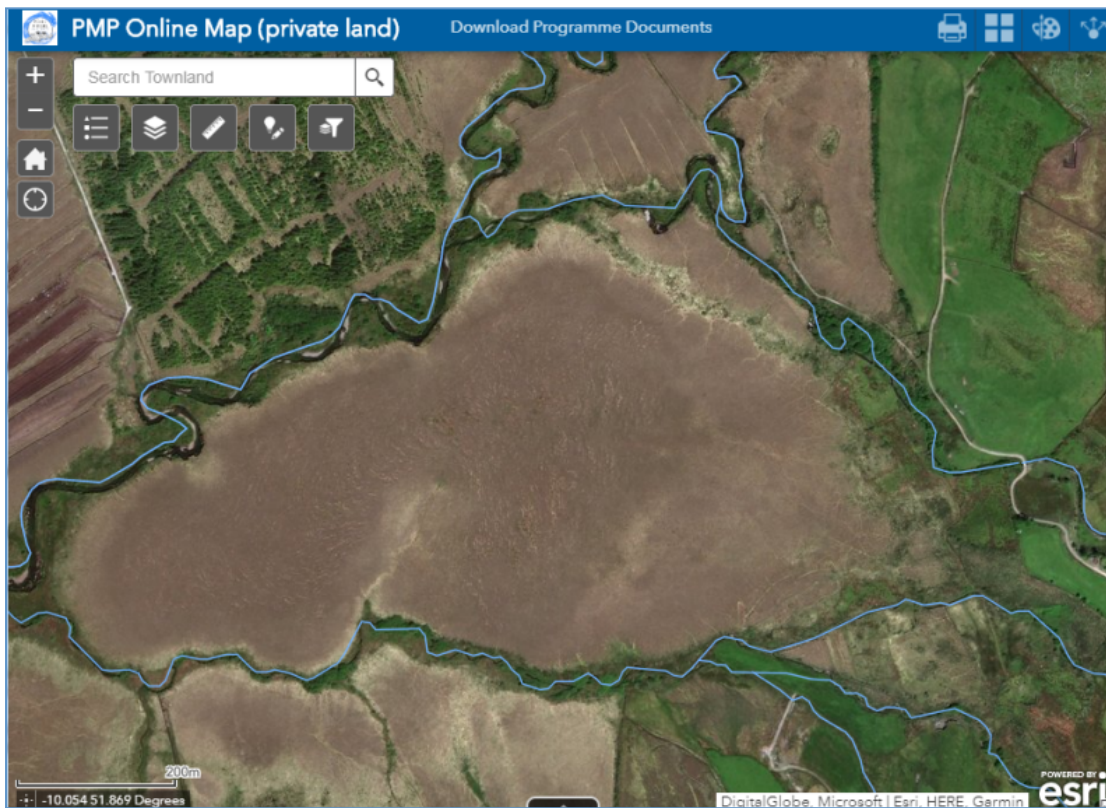


# Pearl Mussel Programme Online Map User Guide

*June 2020*



# Contents

1	Introduction.....	1
2	Logging in to the map.....	1
3	Viewing and working on an individual private farm or commonage..	2
4	Add PMP Field Data (edit) .....	3
5	Creating and Printing Field and Farm Maps .....	7
6	Explanation of all Map Functions (Use of map tools or widgets) .....	9

Map Functions summarised in Section 7
1 Default extent
2 Zoom control
3 View legend
4 Layer control
5 Measure
6 Edit (add data)
7 Filter (view single farm)
8 Print
9 Change basemaps
10 Draw (mark up)
11 Share you map
12 Scale bar

## 1 Introduction

The Pearl Mussel Project Team have developed a web based mapping application for use by advisors during the course of the Programme. The application is a desktop resource which can be accessed through any web browser. It is to be used by advisors to submit information relating to farm assessments and farm planning to the Project Team. The application is optimised for viewing on a desktop computer although can also be accessed through the web browser of any mobile device that has internet access. The application is to be used by advisors for the following purposes:

- As a resource to view and interrogate data relating to each Programme participant. The information available on the map includes; aerial photography, NPWS designated sites, recorded monuments, watercourses, PMP drainage data, freshwater pearl mussel habitat, and habitat plots.
- To prepare and print field maps.
- To submit data to the PMP Team. Habitat plot scores are to be submitted via the Survey123 app in the field, however additional data must be submitted through the web map application. Following completion of the farm visit advisors use the web map application to view habitat plot scorecards submitted in the field and to input additional data. The following information is to be submitted using the web application:
  - Proposed supporting actions;
  - Farm information points;
  - Watercourse pressure points; and
  - General survey notes.

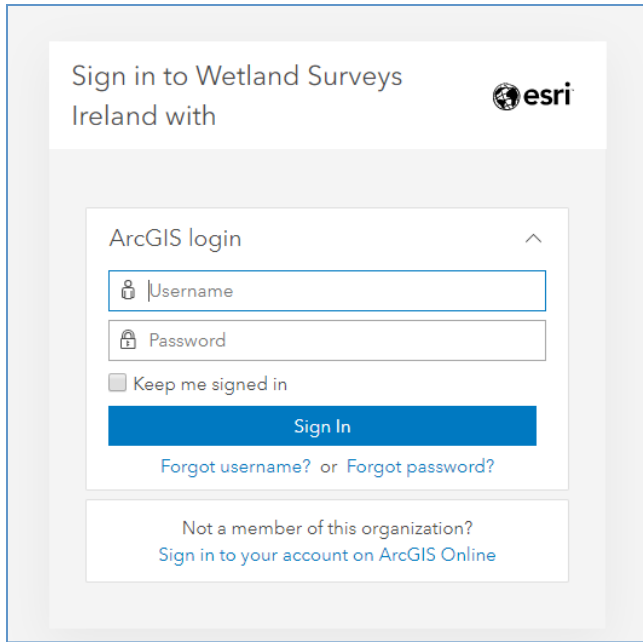
This document aims to guide the advisor through the use of the web map application. It is foreseen that this document will be a useful reference document which advisors can refer to when using the web map application.

## 2 Logging in to the map

Pearl Mussel Programme approved advisors have access to the online map and are provided log in details by the Project Team once they have been nominated by a participant farmer.

The link for the PMP online map (private and commonage lands) is: [bit.ly/pmponlinemap2019](https://bit.ly/pmponlinemap2019)

When you visit the above link you will be asked to log in. Use the user name and password that you were provided with and click the blue 'Sign In' button. The map usually loads within 30 seconds but in the case of a poor web connection may take a little longer.



On signing in a pop-up window appears requesting you to 'Show individual farm / commonage' as explained in the next section.

### 3 Viewing and working on an individual private farm or commonage

When working on the map you will need to display the single farm or commonage you intend to work on. Once you have logged in, a pop-up filter window will appear allowing you to view an individual farm or commonage. Enter the three digit PMP Farmer ID or four character PMP Commonage Code into the box and press the 'Apply' button in the bottom of the window. The map will then zoom to the private land holding or commonage in question.



Should you wish to switch to a different farm you will need to go through this process again, if you have closed the pop up window, you can click on the filter button on the tool bar in the top left (see below) to bring up the filter pop-up window. Again, type in the PMP Farmer ID or commonage code of the new farm you wish to view, press 'apply' and the map will automatically zoom to that farm and display only the details for that farm or commonage.

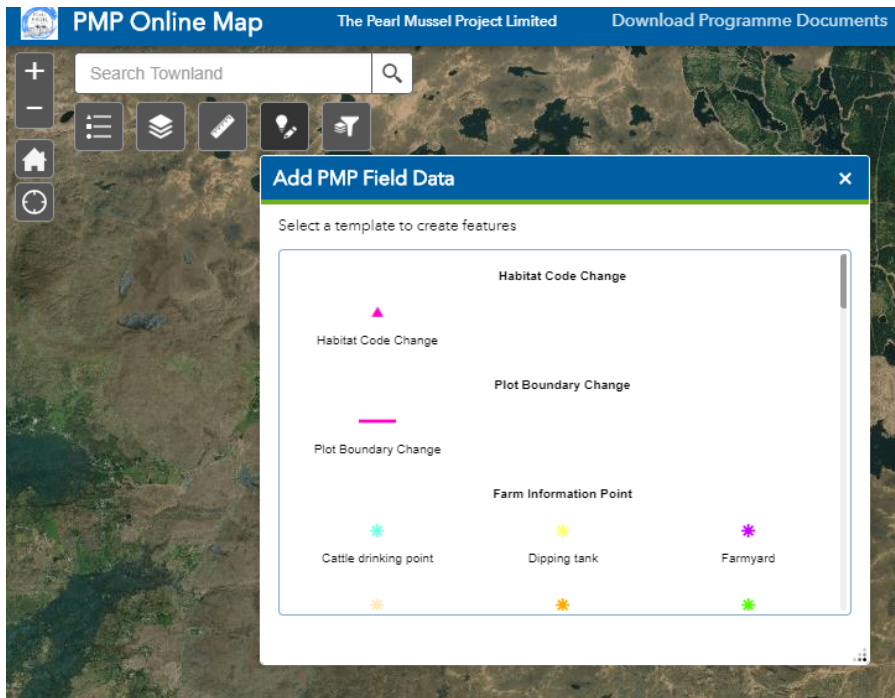


#### 4 Add PMP Field Data (edit)

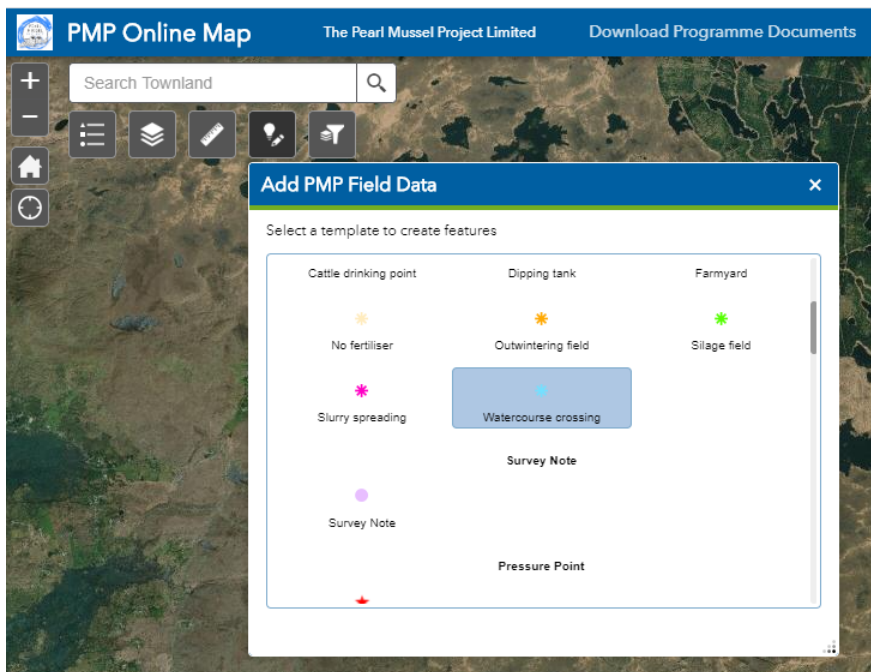
Following completion of your farm visit you will likely need to submit data to the PMP team via the data online map. To enter data for a specific farm or commonage you will need to start editing. To do this, click the editing button underneath the search bar in the top left hand corner of the screen. When you hover your cursor over the icon the following hint appears "Add PMP Field Data".



After clicking on the button all features that can be created will then appear in a pop-up window, they appear under a series of categories (habitat code change, plot boundary change, farm information points, survey notes, pressure points, and supporting actions (points, lines, and polygons)). Scroll down through this list until you find the feature that you wish to create.



Click on the feature so that it is highlighted, and then click on the area of the map where you would like it to appear. It is important that the feature is placed within the boundary of the relevant PMP plot. Do not create features outside of PMP plots.



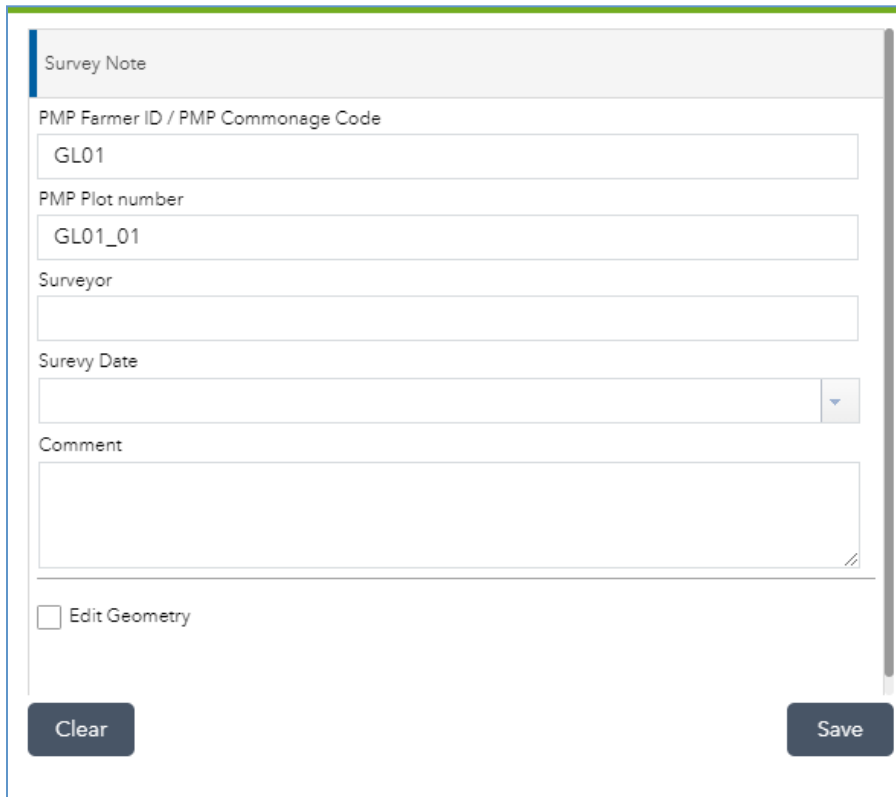
Point features are created by a single click of your mouse at the desired location.

Line features (such as habitat boundary chance or linear supporting action) are created by a series of clicks along the desired line, a double click will complete the line.

Polygon (area) features (area delineating a supporting action) are drawn by a series of clicks, once the desired area is enclosed by a line then a double click to complete the feature.

Once you have selected the location of the feature on the map, a pop-up window will appear for you to enter your associated data. The first two fields, PMP Farmer ID / PMP Commonage ID and PMP Plot number will be auto-filled according to the plot that you have placed the feature within. If you are creating supporting action features additional fields will also be auto-populated based on the action you have selected. Please ensure that the correct Farmer ID / Commonage ID have been auto-populated in the form. If they are not correct you can update the information before saving the point.

Proceed through the form filling in all required fields. Once you are happy that your feature is complete click the 'Save' button on the bottom right hand corner of the pop up box, the feature will now have been submitted, although you can still edit the information associated with the feature (see below). Prior to pressing save, if you have made an error and want to start over, press the 'Clear' button in the bottom left hand corner of the screen.



Survey Note

PMP Farmer ID / PMP Commonage Code  
GL01

PMP Plot number  
GL01\_01

Surveyor

Survey Date

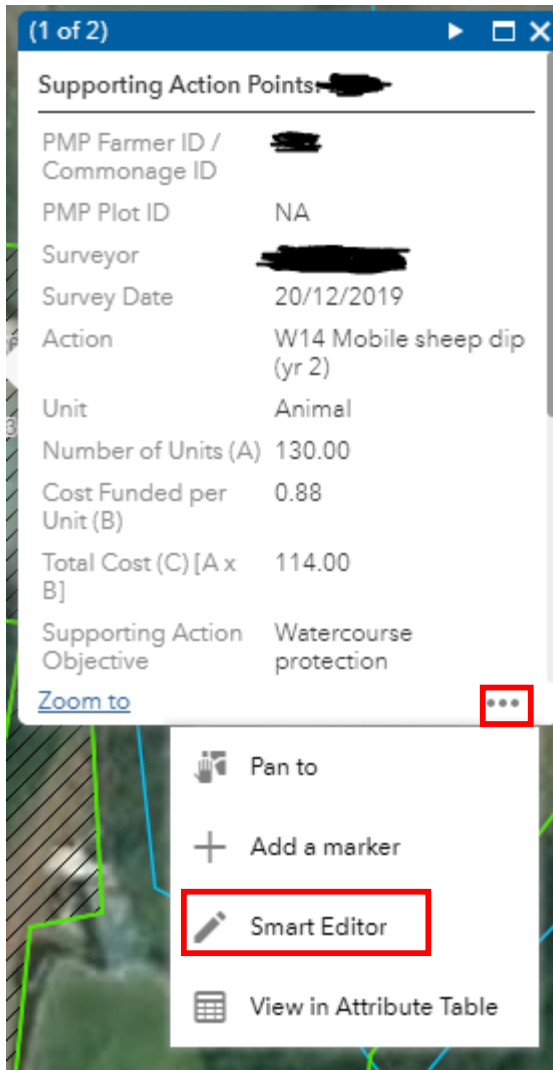
Comment

Edit Geometry

Clear Save

You are unable to delete data points once they have been saved, although you can update the data. If you created a point in error, please just note that the point is a mistake in the comments box.

To update / correct the data after it has been saved, select the point (or feature), click on the three grey dots in the bottom right hand corner of the pop-up window. Select 'Smart Editor' (as illustrated below) and then update your feature, press save once you are happy with your updates, the updated feature has now been submitted.



Once a point has been saved it has been submitted to the PMP Team.

A summary of all the features that can be created in the online map is provided in the table below.



Table 1: Features that can be submitted on the online map.

Feature	Requirement	Map label
<b>Farm Information Points</b>		
Cattle drinking point	As appropriate	Information point name
Dipping tank	As appropriate	Information point name
Farmyard	As appropriate	Information point name
No fertiliser	As appropriate	Information point name
Out-wintering field	As appropriate	Information point name
Silage field	As appropriate	Information point name
Slurry spreading	As appropriate	Information point name
Watercourse crossing	As appropriate	Information point name
<b>Additional Information</b>		
Survey note	As appropriate	None
Pressure point	As appropriate	None
Habitat code change	As appropriate	None
Plot boundary change*	As appropriate	None
* please note that if you split a plot into two or more plots, you will need to ensure that a scorecard point is collected for each of the new plots.		
<b>Supporting Actions (Only samples of 6 actions shown here)</b>		
F1 Farm track upgrade	As appropriate	Supporting action code (e.g. F1)
G1 Labour	As appropriate	Supporting action code (e.g. G1)
IS1 Rhododendron / gorse (high cover)	As appropriate	Supporting action code (e.g. IS1)
L1 Post and wire fence	As appropriate	Supporting action code (e.g. L1)
W1 Peat / plastic dams	As appropriate	Supporting action code (e.g. W1)
EW1 Environmental workshop	As appropriate	Supporting action code (e.g. EW1)

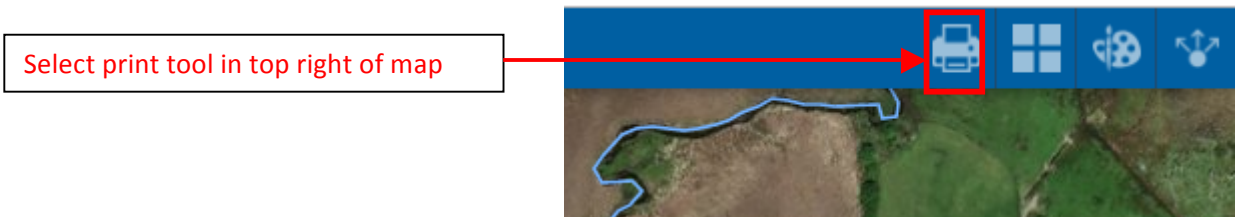
## 5 Creating and Printing Field and Farm Maps

It is possible to create a pdf document copy of the map you are viewing, which you can subsequently print for use in the field or for discussions with farmer or PMP team. The area being viewed on the screen will be the area shown on the pdf document. Only those layers that are switched on when the map is created will be visible in the map. This tool is extremely useful for preparing field maps. By default a legend, scale bar and feature labels will appear on the pdf map.

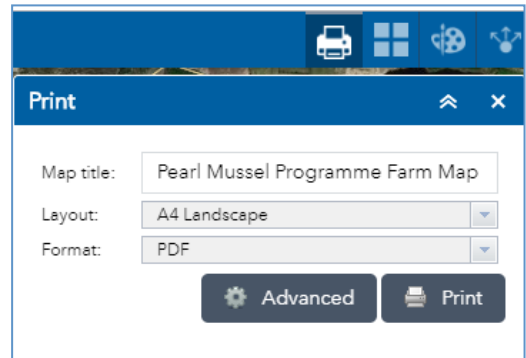
Zoom to the desired scale you wish to use for your printed map by using the zoom feature in the top left of the screen, or by using your mouse.



Select the print tool on the tool bar in the top right of the map screen.

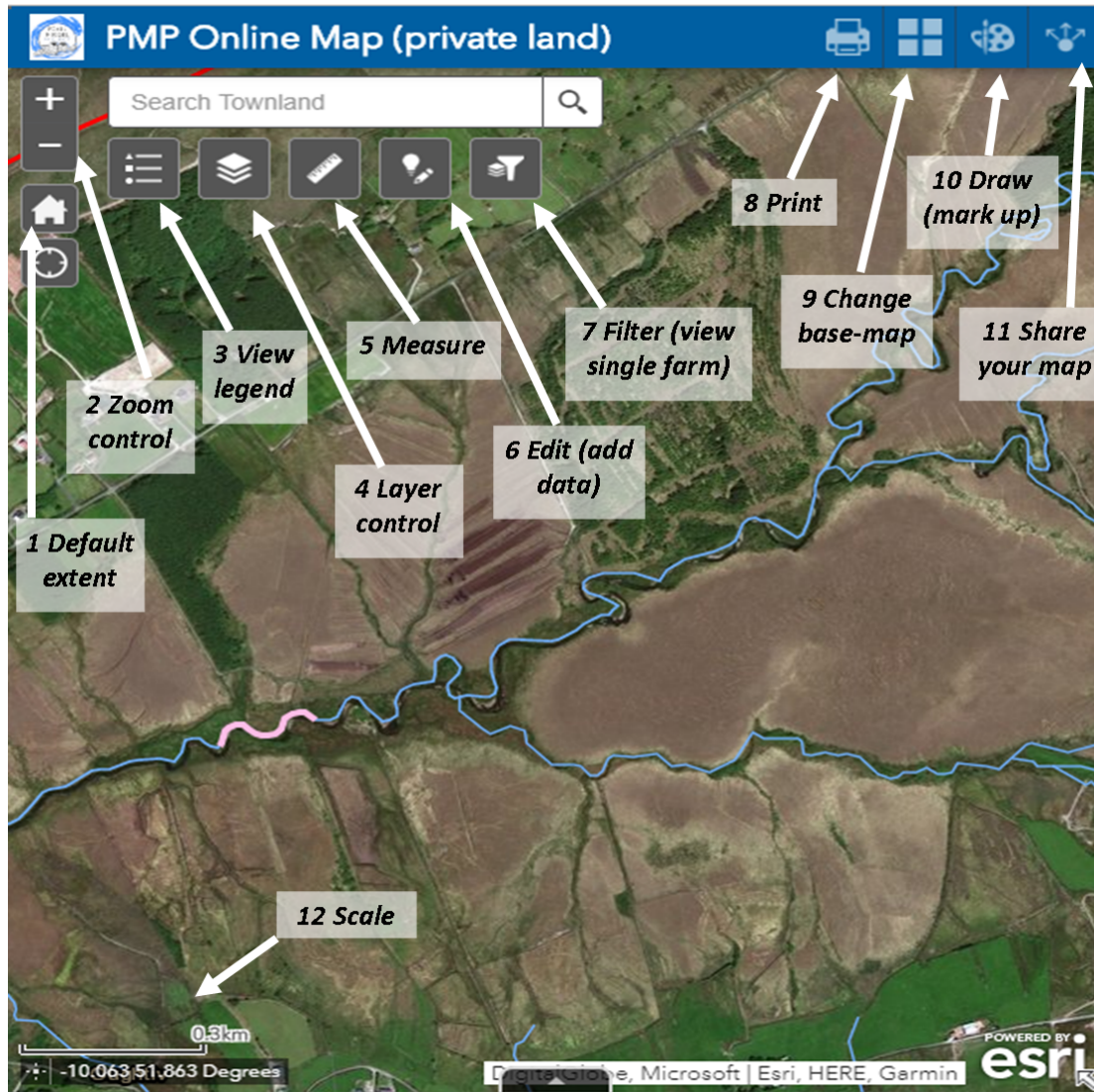


After selecting print the following pop-up window appears. You can insert a title to appear on the map, by default the map will be scaled at A4 landscape and exported as a pdf. There are various other options should you prefer to use alternative layout or format. The advanced print settings allows you to change various items on the map (specify whether you wish to include labels, scale bar, legend etc. It also allows you to alter the units for scale bar). Once you press print the pdf document is created and you can download to your computer for further use.



## 6 Explanation of all Map Functions (Use of map tools or widgets)

This section presents a summary of the various tools available on the PMP Online Map. The tools are numbered and labelled in the following figure and corresponding summary descriptions on their use are presented below.

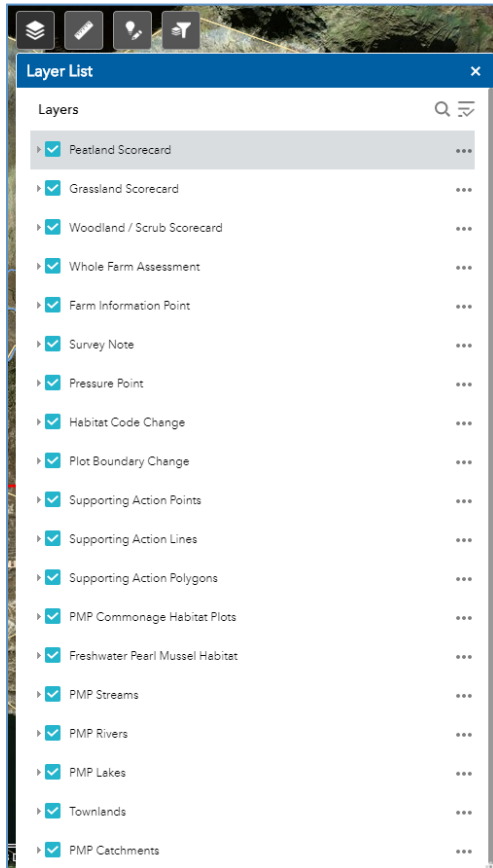


**1 Default extent:** Click the default extent (home) button to return to the original map extent visible when you log in to the map (all of Ireland). If the map is slow to load an individual farm/commonage, clicking the default extent button will reset the map, if you reapply your filter after this the required area should load quickly.

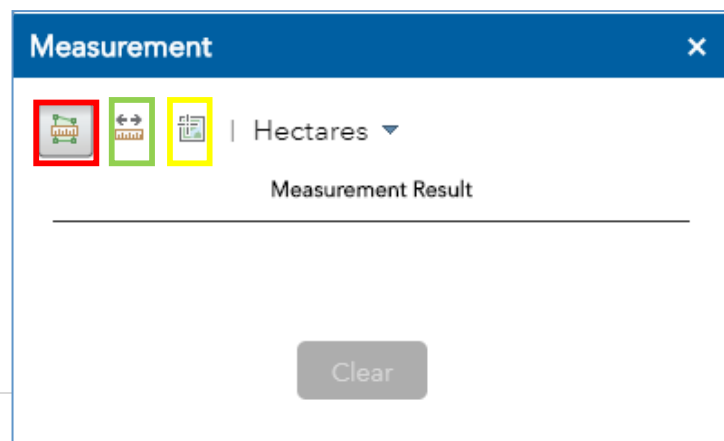
**2 Zoom control:** Use the + and – buttons to zoom in and out. You can also zoom using the roller on your mouse.

**3 View legend:** Clicking on the legend button will provide you with a legend for all symbols currently visible in the map. Note that the items visible in the legend will change depending on how far you zoom in or out (not all symbols are visible at larger scales).

**4 Layer control:** Clicking on the layer button will allow you to view a list of all layers present in the map. By un-ticking the box to the left of a layers name you can turn off that layer, meaning that it is no longer visible in the map. To turn a layer back on simply tick the box again. More advanced features such as setting transparency can be selected by clicking on the three dots to right of the layer.



**5 Measure:** The measurement tool allows you to measure an area or a length. It will also provide you with the latitude and longitude of a point. To measure an area click on the button outlined in red opposite and draw a polygon on the map, to measure a length click on the button outlined in green opposite and draw a line on the map, and to get a coordinate of a point click on the button outlined in yellow opposite and click a location on the map. When measuring area and length you can chose the units you wish to measure in from the drop down menu,



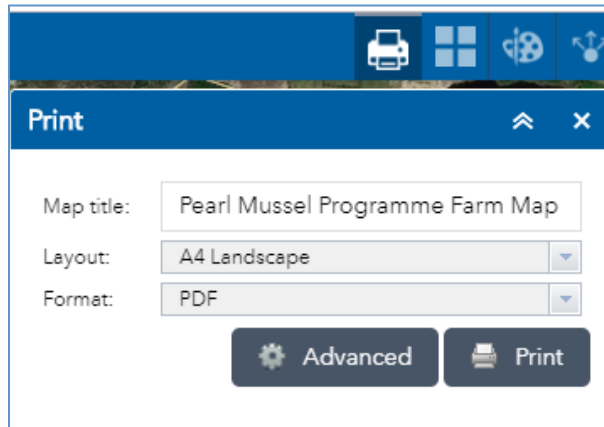
by default it will use hectares for area and kilometres for length. The result of your measurement will be shown in the measurement box.

**6 Edit (add data):** This button must be selected to enable you to submit data for a specific farm or commonage. See the earlier section on Data Entry for more details.

**7 Filter (view single farm / commonage):** A filter must be applied to allow you to view a specific farm or commonage. If you navigate your way to a farm or commonage on the map using the zoom and pan functions, without the filter turned on, you will not be able to see any data relating to that farm or commonage. By applying the filter data relating to just one farm or commonage will only be shown at one time on the map. No data will be shown until a filter has been applied, i.e. a specific farm or commonage has been searched for.



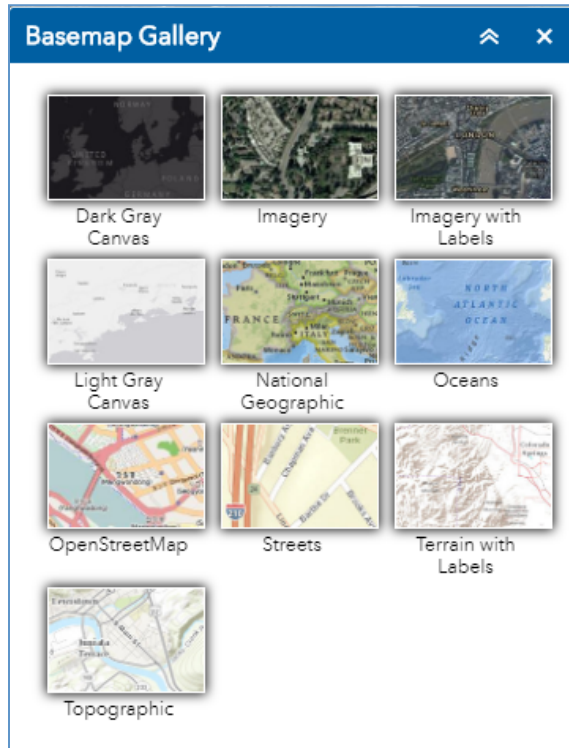
**8 Print:** The print tool allows you to generate a pdf and print a map of a specific farm or commonage. The area being viewed on the screen will be the area shown on the map. Only those layers that are switched on when the map is created will be visible in the map. This tool is extremely useful for preparing field maps. By default a legend, scale bar and feature labels will appear on the map.



If you would like to print a map without labels, scale bar or legend, you can specify this in the Advanced print settings (select the 'Advanced' button in the bottom of the print pop-up). You can also specify the

units displayed on the scale bar here. Once you are happy with your map press the 'Print' button to print to create a pdf. Select the pdf to view the file and print. See further details in Section 6 above.

**9 Change basemaps:** Clicking on this button will open the basemap gallery. Once selected, a basemap will become the basemap visible in the map. To return to the default basemap, chose either the 'Imagery' or 'Imagery with labels' basemaps.



**10 Draw (mark up):** The draw tool allows you to annotate the map using a selection of shapes and colours. This can be a useful tool if you would like to indicate or annotate something specific on the map. You can then print the marked up map to pdf or take a screen-grab. The features you draw are temporary features and are not saved within the online map.

**11 Share your map:** Clicking on this button will provide you with a link for the map that can be shared with others. Note you will still require a username and password to access the map through the link. The shared link will go directly to the extent of the map you were viewing.

**12 Scale bar:** Scale bar showing distance in metres / kilometres. Beneath the scale bar the coordinates of the centre point on the map are shown.