

Upgrading to Web Map Layers 8 – a user perspective

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Background

- Installed Web Map Viewer as our corporate GIS in June 2013
- In the process moved all our spatial data to a SQL Server spatial database
- Went live with the system in September 2013, giving training to users who were most likely to use it

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Background

- Web Map Viewer not as well received as we hoped
- Some users like it but many found it difficult to remember how to perform certain functions
- Speed issues were also a problem in the first year – resolved by upgrading the spatial database to SQL Server 2012

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Moving to Layers

- The decision to move to Web Map Layers was made in May 2016
- This was to coincide with the decision to roll out tablets to all stations (yet to happen)
- The upgrade occurred in July 2016
- Setting up of the system occurred over the rest of July and August

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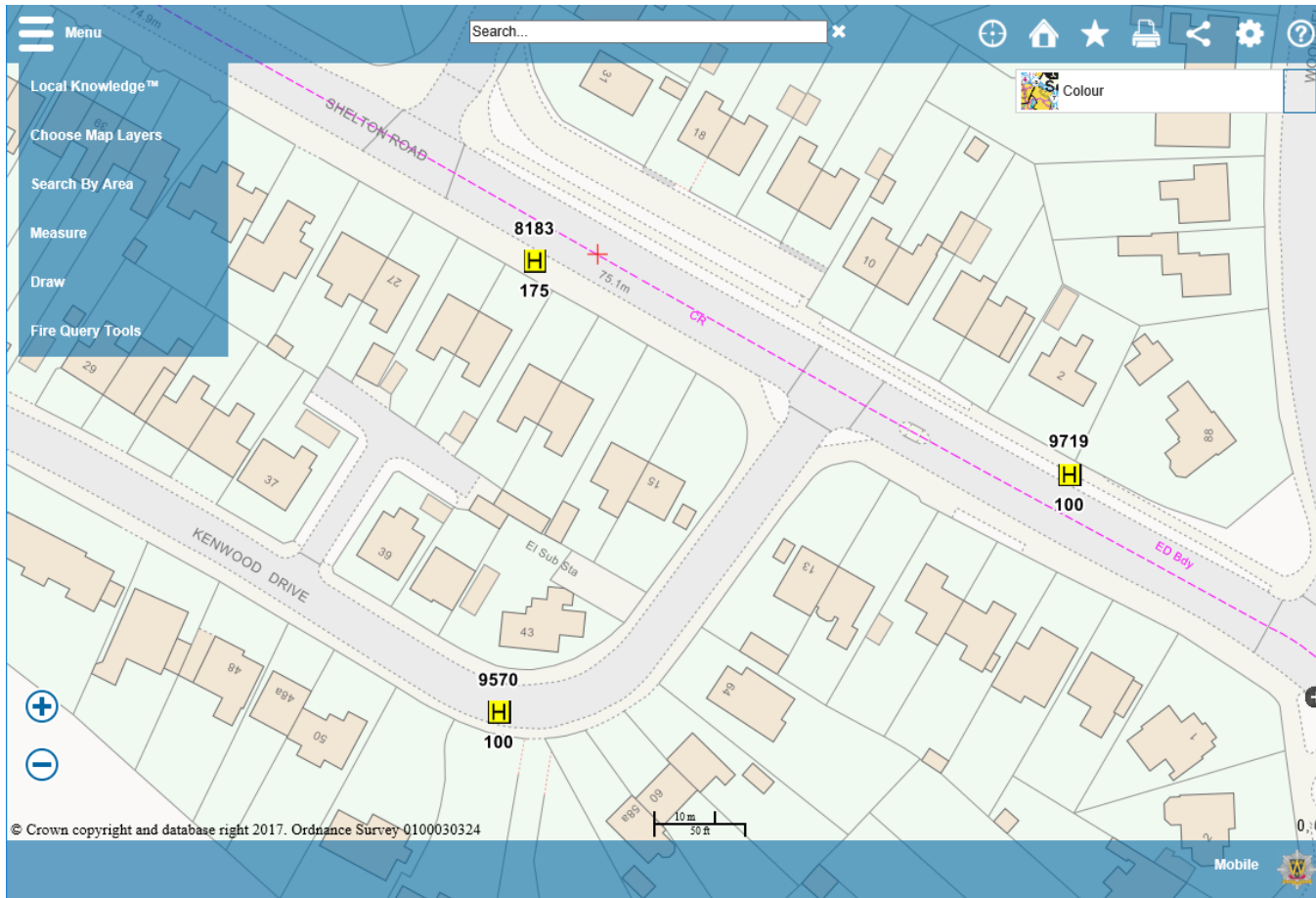


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Desktop Map Interface



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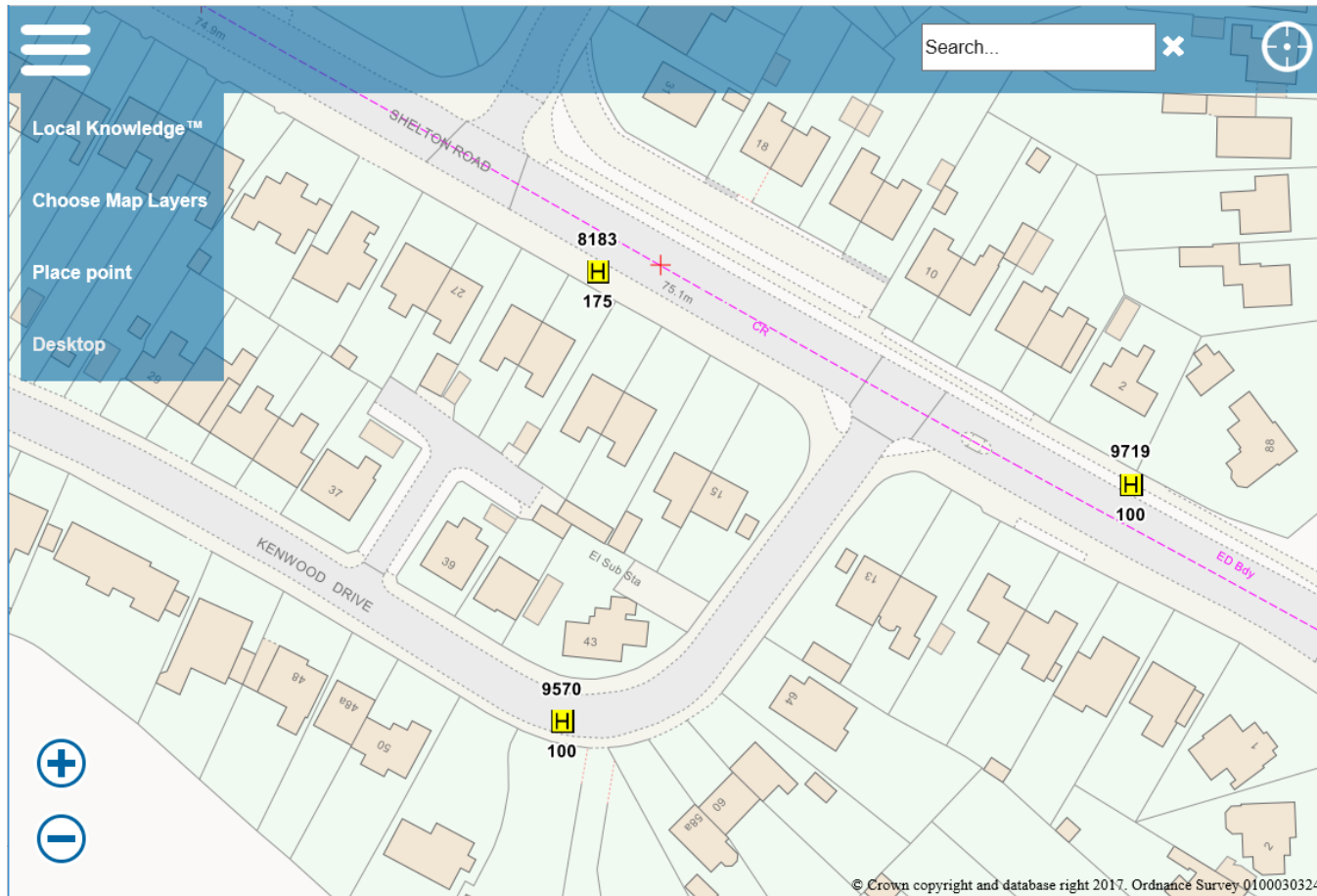


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Mobile Map Interface



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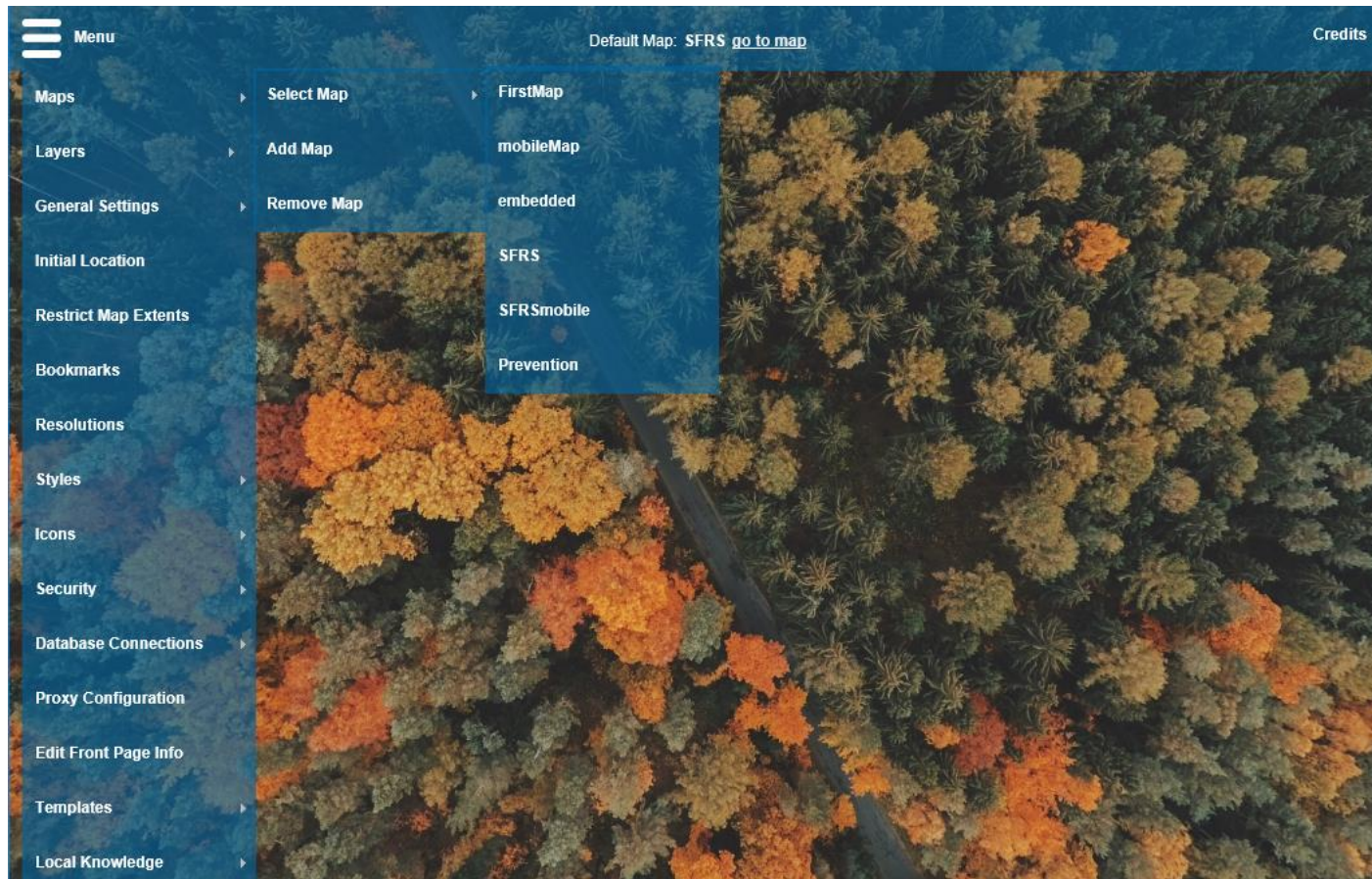


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Admin Interface



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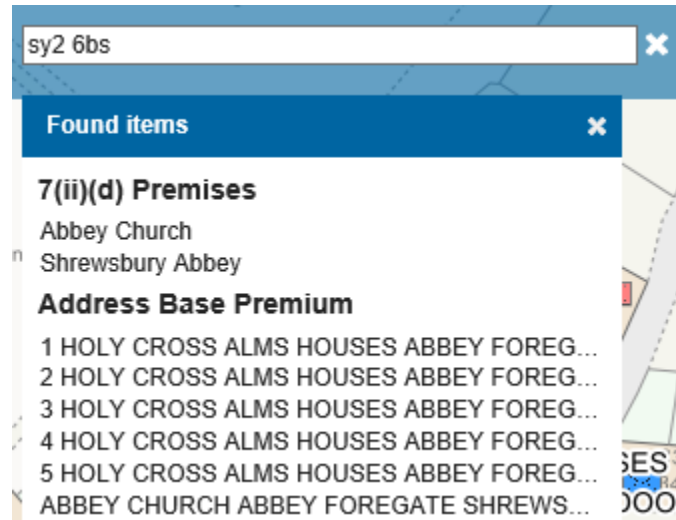
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Setting Up - Search

- The single search box was set up to search addresses, incidents, risk premises:



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Setting Up - Overlays

- Data already stored in a SQL server database
- Base maps now loaded in Web Map Layers as a WMTS, to improve performance
- All other overlays added to a single workspace using Map Modeller

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Local Knowledge

- A new tool created by Cadcorp for Layers
- Displays information about the local area
- Cadcorp set this up for us to display such information as the distance to the nearest hydrant, station incident stats, who the area commander is and whether the location is in a flood zone

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Local Knowledge™ ✕

Where am I?

The Station Area is: **Shrewsbury**

The Assistant Group Commander is: **Adam Matthews**

The Prevention Watch Area is: **SY White**

The Prevention Officer is: **Becky Castle**

The Ward is: **Porthill**

The IRMP Life Risk Area is: **Urban**

Am I inside a 15 minute response area?

✔

Am I in a floodzone?

✔

Station Incident Stats

There were **767** incidents in **Shrewsbury** in the last fiscal year

Accidental dwelling fires were by **-12** in the last fiscal year, compared with the previous year

Business fires were by **1** in the last fiscal year, compared with the previous year

Deliberate secondary fires were by **-10** in the last fiscal year, compared with the previous year

Census stats

The population of **Shrewsbury** station area in the last census was **92670**

15% of the population of this census output area are under 15

9% of the population of this census output area are 75 or over


This census area is ranked as **high** in the 2011 census depravity rankings

Where's my nearest?

The nearest 7(ii)d risk site is: Morris Lubricants (287.62yds away)

The nearest hydrant is: 8402 (236ft away)

Google Street View



Chester St
Shrewsbury, England

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Incident Query Tool

- Bespoke tool created for us by Cadcorp using categories from our Incident Recording System
- Query results can be shown on the map and downloaded as a csv file for opening in excel

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Fire Query Tools

Select Incident Type(s)

Primary Fire

Add

Primary Fire

Remove

Use attributes in your search.

Note – with this option only one overlay can be selected.

K_Motive

Accidental
Deliberate – unknown owner
Not known

Add

K_Motive is Accidental

Remove

Select Time Period

No date search.

Between two dates

From ...to

Between two dates (including time)

From // ...to //

On a defined date

On a defined day

Between these times on any day

From ...to

Select Search Area

Church Stretton

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Going Live

- Went live in September 2016
- Made it available to all staff on our intranet portal, replacing the link used for Web Map Viewer
- Kept the name GIRAFFE

GIRAFFE

Geographical Information Readily Available For Fire Employees



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Maps and Addresses

This site is dedicated to geographical information and will give you access to Giraffe for looking at maps and Gazelle for searching addresses, plus guides on how to use each system. Just click on one of the buttons below to open that system.



IMPORTANT - Please do not send out maps to anyone outside Shropshire Fire and Rescue without first getting the permission of the GIS Support team (details below).

User Guides for Giraffe

[Module 1 - How do I **open** Giraffe and **move** around the map?](#)

[Module 2 - How do I find an **address** or **incident** using Giraffe?](#)

[Module 3 - How do I find **local information** about the area I am looking at?](#)

[Module 4 - How do I turn **map layers** on and off?](#)

[Module 5 - How do I open a **7\(ii\)\(d\)** document in Giraffe?](#)

[Module 6 - How do I **print** a map?](#)

[Module 7 - How do I **query** the layers in Giraffe, e.g. to get a list of 7\(ii\)\(d\)'s within a drawn area?](#)

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User Feedback

- User feedback so far has been very positive
- Easier to use – smoother and quicker moving around the map, like Google Maps
- Searching for an address is simpler, again like searching google

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User Feedback

- Some departments, e.g. Prevention, wanted their own groups of layers and themes
- They have since had their own workspace set up and a URL link to this has been sent to them

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Moving Forward

- Stations will be able to access Layers on-site on tablets, when these are rolled out
- Hopefully Layers will be embedded in to our new Risk Management System
- Also may embed Layers in other systems, like CFRMIS

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Questions?

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