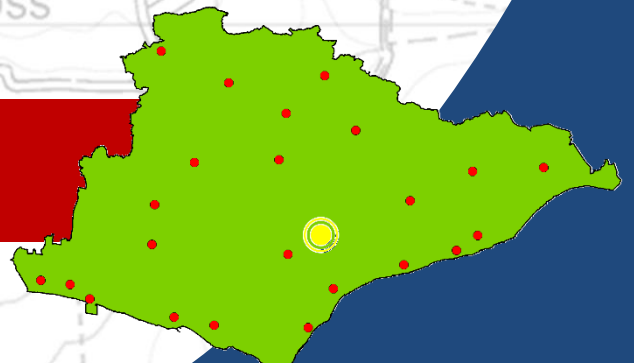




# Herstmonceux



## Station Risk Profile



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## Herstmonceux Station Area – Headline Summary



- Herstmonceux station area covers approximately **52 sq. km.**
- Area is rural in nature.
- Area has influx of Canadian and international students each year as Herstmonceux Castle is home to Bader International Study Centre of Queen's University, Kingston, Canada.
- Operational cover provided by a single on-call fire engine.



- **3,505** residents within Herstmonceux station area.
- A net decrease of **165** since 2011 Census (1 of 2 station areas to decrease in population – Wadhurst is the other but Herstmonceux decreased by greatest amount).
- Low population density, widely dispersed across area.
- Much higher proportions of older people (50-79) than ESFRS average but fewer persons in poor health.



- **93%** of households are within attendance standards.
- **58%** are clustered around the average and **11%** deemed to be low/very low fire risk (socio-demographic).
- **31%** high risk households, **85%** inside isochrones. **82** households are outside located in far north of station area towards Churches Green and approaching Rushlake Green.
- Slightly fewer lone pensioners than ESFRS average.
- Much lower proportion of rented accommodation than ESFRS average.



### Station area

- Incidents have decreased by **35%** since 2009 although last 3 years they have been rising.
- There are **27** incidents per year within Herstmonceux station area
- Quietest station area – next quietest (Mayfield) has almost twice as many incidents per year.
- December is busiest month. Greatest proportion of fire incidents between October and December.
- **50%** incidents during the day.
- **96%** inside attendance standards isochrones (incidents outside in north of station area – dips to **88%** inside isochrones at night).
- Proportionally more RTCs and fires in area and fewer False Alarms compared to ESFRS.
- **3** critical life-risk incidents per year. (A high 11% of incidents)
- **58%** critical incidents during day. All inside isochrones.

- Herstmonceux area lowest for numbers of injuries and rescues.
- Attendance times, on average, longer than other on-call station areas.
- **05:48** minute delay between 1<sup>st</sup> & 2<sup>nd</sup> appliance to dwelling fires, **06:46** minute delay to RTCs – roughly **2** minutes quicker than other on-call areas.
- **74%** of incidents are attended by a single appliance.
- **26%** of 2<sup>nd</sup> pump attendances were by Hailsham, **23%** by Herstmonceux itself, **20%** Battle and **11%** Heathfield.
- **0** level 3+ incident within last 9 years of review period.

### Station appliance(s)

#### 79P1

- Turn-out time is **06:15**. Last 3 years positive downward trend (2017/18 was **05:23**).
- **35%** increase in mobilisations over 9 years (availability increase)
- Mobilises **119** times per year – **15%** in own area, **61%** in Hailsham, **5%** in Heathfield area.
- Attends **12%** more fires and **7%** fewer false alarms than ESFRS.
- Mobilises to **11** critical incidents per year – **14%** in own area, **66%** in Hailsham, **11%** in Heathfield area.
- **66%** of incidents attended within 15 minutes (**70%** critical).
- **81.3%** availability in 2017/18.

### Standby moves

- **43** cover moves per year – **31%** in Battle, **23%** in Bexhill, **16%** Hastings Bohemia Rd. Also to Eastbourne, The Ridge, Lewes and Uckfield station areas among others.



- **377** Home Safety Visits to unique properties undertaken.
- **23%** of all households have had HSV.



- **6%** of commercial properties are outside attendance standards, located in far north of station area.
- **1** Business Safety Audit per year.
- **0** Hospital, **1** Care Homes & **1** Hotel in area.



- No planned residential or commercial developments in area.
- Significant developments in and around Hailsham area to west.



- **10** KSI collisions per year. Proportion of serious/fatal collisions **4%** higher than ESFRS.
- **1** out of **49** outside attendance standards isochrones – located near to Rushlake Green.



- **165km** of rivers (**4.2%** of ESFRS rivers). Ranks **14** out of **24** areas.
- Ranks **10<sup>th</sup>** for percentage of primary rivers (**5%**).
- No tidal or intertidal rivers and no coastline.



- **166** listed buildings (**2%** Grade I). **15%** outside attendance standard isochrones, all of which are Grade II and mostly farmhouses.
- There is a scheduled monument well outside isochrones (Holy Trinity Priory).



- South of station area is low-lying (Pevensy/Hooe Levels) so represents flood risk area.
- South of station area is flood-risk area due to low-lying Pevensy/Hooe Levels - ESFRS respond to 1 flooding incident per year (**4.5%** of all incidents). In line with ESFRS of 4.2%.
- **1** biological SSSI site – Herstmonceux Park – inside isochrones.
- Broadleaved and coniferous woodland to the north of station area.



- **3** Level 1 or Level 2 SSRIs – located to south/south east of Herstmonceux.
- No COMAH sites in station area.
- No high-rise properties within area.
- No over border risks as station area not in proximity to other FRS.



## Overview

Herstmonceux Station Area covers an area of approximately 52 square kilometres (2.9% of ESFRS area) and is rural in nature.

The population is widely dispersed throughout the station area with around a third within the village of Herstmonceux itself and the others within the smaller villages of Windmill Hill, Cowbeeche, Bodle Street Green, Boreham Street and Flowers Green, among others.

The Fire Station is located within the centre of the village of Herstmonceux itself. Herstmonceux is a small village, which is located approximately 11km north east of Eastbourne. Herstmonceux castle is just over 3km to the south-east of the village and is a former site of the Royall Greenwich Observatory. It is now home to the Bader International Study Centre of Queen's University, Kingston, Canada and the area therefore enjoys an influx of Canadian and other international students each school year. The castle grounds are also home to the Observatory Science Centre and the Herstmonceux Mediaeval Festival.

Herstmonceux Park and part of the Pevensey Levels lies partially within the station area and these sites are of biological interest and are designated sites of special scientific interest.

### Station Resources

Herstmonceux Community Fire Station is an on-call fire station which has a single pumping appliance.

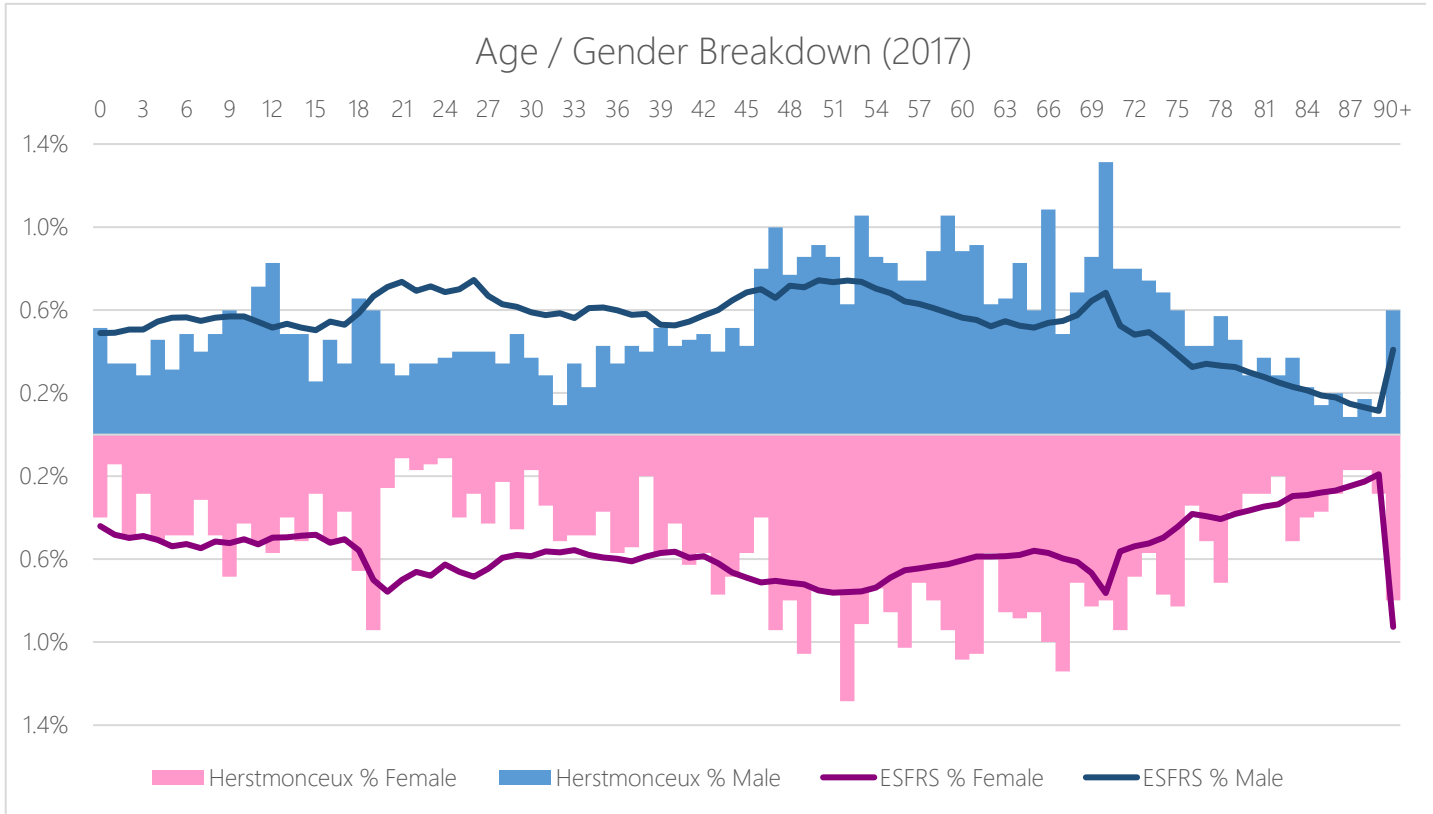
#### 1 x Extended Rescue Pump (FJE79P1)

Volvo Extended Rescue Pump carrying a variety of ladders including a 12 metre ladder, 1800 litres water and a pump capable of supplying 2250 litres/min. It is a multi-purpose appliance carrying a large amount of equipment including dedicated hydraulic rescue tools, water safety and rescue equipment, oxygen, etc.



## Population Demographics

The population in Herstmonceux is generally older than the ESFRS average, and there are particularly fewer young adults. There are proportionally fewer 18 to 24 year olds with 5% in Herstmonceux, compared to 10% for the service – and fewer males in their 30s compared to women. This is also the case for all 25 to 49 year olds, 25% compared to 31% for ESFRS. In the older age ranges, 50 to 64 years represent 26% of Herstmonceux, but only 20% for ESFRS. Furthermore, 22% of the population in Herstmonceux station area are 65 to 79 year olds, compared with 15% across the service area. The proportion of 80 to 89 years is roughly consistent with the ESFRS proportion.



		2017 population estimates - % Within Area								
		0 to 9	10 to 17	18 to 24	25 to 49	50 to 64	65 to 79	80 to 89	Over 90	Total
Herstmonceux		298 (8.5%)	271 (7.7%)	187 (5.3%)	860 (24.5%)	901 (25.7%)	757 (21.6%)	182 (5.2%)	49 (1.4%)	3,505
ESFRS		87,510 (10.4%)	69,516 (8.3%)	79,643 (9.5%)	261,272 (31.1%)	163,673 (19.5%)	126,538 (15.1%)	41,043 (4.9%)	11,219 (1.3%)	840,414

In addition to population estimates by age-group, ESFRS hold specific records of GP-registered 65+ years. This data is provided annually to all Fire & Rescue Services in England by the NHS through a national Information Sharing Agreement, and enables FRs to prioritise resources to target those most at risk. This data is often referred to as the 'Exeter Data'.

The following table summarises the numbers of 65+yrs (and 80+yrs) in the Herstmonceux station area and the proportion that fall inside the attendance standard isochrones. For the sake of privacy, these have not been included as a map.

It can be seen that around 93% of 65+ year olds are within the attendance standard isochrones, day or night. This ranks Herstmonceux 16 out of the 24 stations (or 7 out of the 12 on-call station areas), due to the dispersion of the population throughout the area.

#### Exeter Data: GP-registered 65+ year olds in Herstmonceux Station Area

	Station Admin Area	No. of persons	% in Att. Std. Isochrone (Day)	% in Att. Std. Isochrone (Night)
65+ Yrs	Herstmonceux	1,017	93.2	93.2
	ESFRS	179,534	96.5	97.2
80+Yrs	Herstmonceux	246	95.5	95.5
	ESFRS	51,372	96.8	97.4

Herstmonceux has a much lower population density compared with the rest of the service, with 0.7 persons per hectare compared to an ESFRS average of 4.7. Herstmonceux is ranked as the least densely populated station area in the service area. The area's population actually decreased by 165 from 2011-2017, based on the 2011 census and 2017 estimates – the only other station area to decrease in population based on the census is Wadhurst, although Herstmonceux decreased by the greatest amount.

Population Density (number of persons per hectare)								
Area Size (Hectares)	All usual residents (2011)	Population Estimate (2017)	Density 2011	Density 2017	Change 2011-17	Rank in ESFRS 2017	ESFRS Average 2011	ESFRS Average 2017
5,265	3,670	3,505	0.7	0.7	0.0	24	4.5	4.7

The general health in Herstmonceux can be seen as fair compared to the rest of ESFRS, especially when considering there are fewer young adults, and more persons aged 50-89.

Half of the population in Herstmonceux are identified as having 'very good health', compared to 46% for ESFRS as a whole.

	General Health - Persons (2011) - % Within Area					
	Very good health	Good health	Fair health	Bad health	Very bad health	Total
Herstmonceux	1,853 (50.5%)	1,217 (33.2%)	443 (12.1%)	129 (3.5%)	28 (0.8%)	3,670
ESFRS	365,370 (45.7%)	279,665 (35%)	110,093 (13.8%)	34,749 (4.3%)	10,163 (1.3%)	800,040



The proportion of people in Herstmonceux whose day-to-day activities are limited are lower than that of ESFRS, 84% of the Herstmonceux population are 'not limited', compared to 81% as a service average.

Day-to-day activities limited - Persons (2011) - % Within Area				
	Limited a lot	Limited a little	Not limited	Total
Herstmonceux	226 (6.2%)	377 (10.3%)	3,067 (83.6%)	3,670
ESFRS	68,688 (8.6%)	83,026 (10.4%)	648,326 (81%)	800,040

There are proportionally more retired persons in Herstmonceux (18%) compared to the service average (15%), there are also fewer full time students (6%) than the ESFRS average (10%). Furthermore, there are fewer full time employees (28%), than the service average (34%). Again, the proportion of long-term sick or disabled in Herstmonceux is half that of the ESFRS average.

Economic Activity - All usual residents aged 16 to 74 (2011)			Herstmonceux	ESFRS
Economically active	Part-time	Employee	383 (14.4%)	82,644 (14.1%)
		Self-employed without employees	134 (5%)	22,199 (3.8%)
		Self-employed with employees	25 (0.9%)	2,591 (0.4%)
	Full-time	Employee	828 (31.2%)	201,532 (34.4%)
		Self-employed without employees	302 (11.4%)	40,181 (6.9%)
		Self-employed with employees	108 (4.1%)	12,514 (2.1%)
		Un-employed	45 (1.7%)	21,321 (3.6%)
	Full-time student	70 (2.6%)	22,823 (3.9%)	
Economically inactive		Retired	474 (17.8%)	86,361 (14.8%)
		Student (including full-time students)	94 (3.5%)	35,446 (6.1%)
		Looking after home or family	110 (4.1%)	22,914 (3.9%)
		Long-term sick or disabled	55 (2.1%)	24,201 (4.1%)
		Other	29 (1.1%)	10,583 (1.8%)
<b>Total</b>			<b>2,657</b>	<b>585,310</b>



## Household Demographics

### Census 2011 Household Breakdown

There are proportionally more detached houses/bungalows in Herstmonceux (52%), compared to the service average (25%). This is also the case for semi-detached houses/bungalows (29% in Herstmonceux vs 23% for ESFRS). There is a lower proportion of purpose built flats (3% in Herstmonceux vs 19% for ESFRS), and converted flats (2% in Herstmonceux vs 11% in ESFRS).

Households (2011) by Type (% Within Area)									
	Unshared Dwelling							Shared Dwelling	Total
	Detached House / Bungalow	Semi-detached House / Bungalow	Terraced House / Bungalow	Flat - Purpose Built	Flat - Converted	Flat - commercial building	Caravan / other temporary structure		
Herstmonceux	804 (52.3%)	445 (28.9%)	158 (10.3%)	42 (2.7%)	26 (1.7%)	11 (0.7%)	52 (3.4%)	0 (0%)	1,538
ESFRS	87,989 (24.9%)	81,338 (23%)	67,556 (19.1%)	66,813 (18.9%)	39,736 (11.2%)	5,167 (1.5%)	1,236 (0.3%)	3,610 (1%)	353,445

Herstmonceux has slightly fewer lone pensioners (14% in proportion to 15% service wide), and slightly fewer lone parents with dependent children (5% in Herstmonceux, vs 7% in ESFRS). There are no all full time student households in Herstmonceux.

Household Composition - Households (2011)				
	Lone Pensioner (65+)	All full-time students	Lone parent with dependent children	All Households
Herstmonceux	212 (13.8%)	0 (0%)	72 (4.7%)	1,538
ESFRS	52,103 (14.7%)	3,224 (0.9%)	22,980 (6.5%)	353,445

There is a higher proportion of households that are owned outright in Herstmonceux (46%) than the service area average (33%) and a slightly higher proportion of households are mortgaged in Herstmonceux (34%) compared to ESFRS as a whole (31%). There is a much lower proportion of households that are rented in Herstmonceux – either privately or socially – compared with the whole of ESFRS.

Household Tenure - Households (2011)									
	Owned		Shared ownership	Social rented:		Private rented:		Living rent free	Total
	Outright	Mortgage or loan		Rented from council	Other	Private landlord or letting agency	Other		
Herstmonceux	711 (46.2%)	518 (33.7%)	14 (0.9%)	56 (3.6%)	40 (2.6%)	145 (9.4%)	30 (2%)	24 (1.6%)	1,538
ESFRS	116,373 (32.9%)	108,974 (30.8%)	2,540 (0.7%)	22,903 (6.5%)	20,884 (5.9%)	71,980 (20.4%)	5,159 (1.5%)	4,632 (1.3%)	353,445

The table below shows the number of spare bedrooms in a household, this indicates overcrowding. Herstmonceux isn't an overcrowded area, with 1.6% of the households having an occupancy rating of -1 compared to the service average of 3.6%. There is a far greater proportion of households with spare rooms in Herstmonceux than the service average, 45% of households have an occupancy rating of +2, compared to 30% for ESFRS. Also, 36% have a rating of +1 in Herstmonceux, compared to a 34% average for the service area.

	Occupancy Rating (Spare Bedrooms) - Households (2011)					Total
	<i>Under-occupied</i>		<i>Standard</i>	<i>Overcrowded</i>		
	+2 or more	+1	0	-1	-2 or less	
Herstmonceux	686 (44.6%)	558 (36.3%)	269 (17.5%)	24 (1.6%)	1 (0.1%)	1,538
ESFRS	108,549 (30.7%)	121,288 (34.3%)	109,429 (31%)	12,863 (3.6%)	1,316 (0.4%)	353,445

### Mosaic Public Sector Household Breakdown

Mosaic Public Sector, published by Experian, is a socio-demographic classification system covering the whole of the United Kingdom. It provides an accurate and comprehensive view of citizens and their needs by describing them in terms of demographics, lifestyle, culture and behaviour. Over 850 million pieces of information across 450 different data points are condensed using the latest analytical techniques to identify 15 summary groups and 66 detailed types that are easy to interpret and understand.

There are 1,597 households within Herstmonceux station admin area, dispersed across the station area which are broken down by the 15 summary Mosaic Lifestyle groups.

Mosaic Lifestyle Group	Herstmonceux	%	ESFRS	%
A - Country Living	913	57.2	30,907	8.5
B - Prestige Positions	8	0.5	27,774	7.6
C - City Prosperity	0	0.0	21,862	6.0
D - Domestic Success	16	1.0	27,215	7.5
E - Suburban Stability	9	0.6	24,684	6.8
F - Senior Security	94	5.9	39,762	10.9
G - Rural Reality	548	34.3	17,553	4.8
H - Aspiring Homemakers	9	0.6	24,898	6.8
I - Urban Cohesion	0	0.0	14,427	4.0
J - Rental Hubs	0	0.0	50,913	14.0
K - Modest Traditions	0	0.0	10,777	3.0
L - Transient Renters	0	0.0	13,853	3.8
M - Family Basics	0	0.0	20,841	5.7
N - Vintage Value	0	0.0	26,701	7.3
O - Municipal Challenge	0	0.0	11,485	3.2
<b>Total</b>	<b>1,597</b>	<b>100</b>	<b>363,652</b>	<b>100</b>

The predominant Mosaic groups describe 'Well-off owners in rural locations enjoying the benefits of country life' and 'Householders living in inexpensive homes in village communities'. The top 3 Mosaic Types within Herstmonceux Station area are:

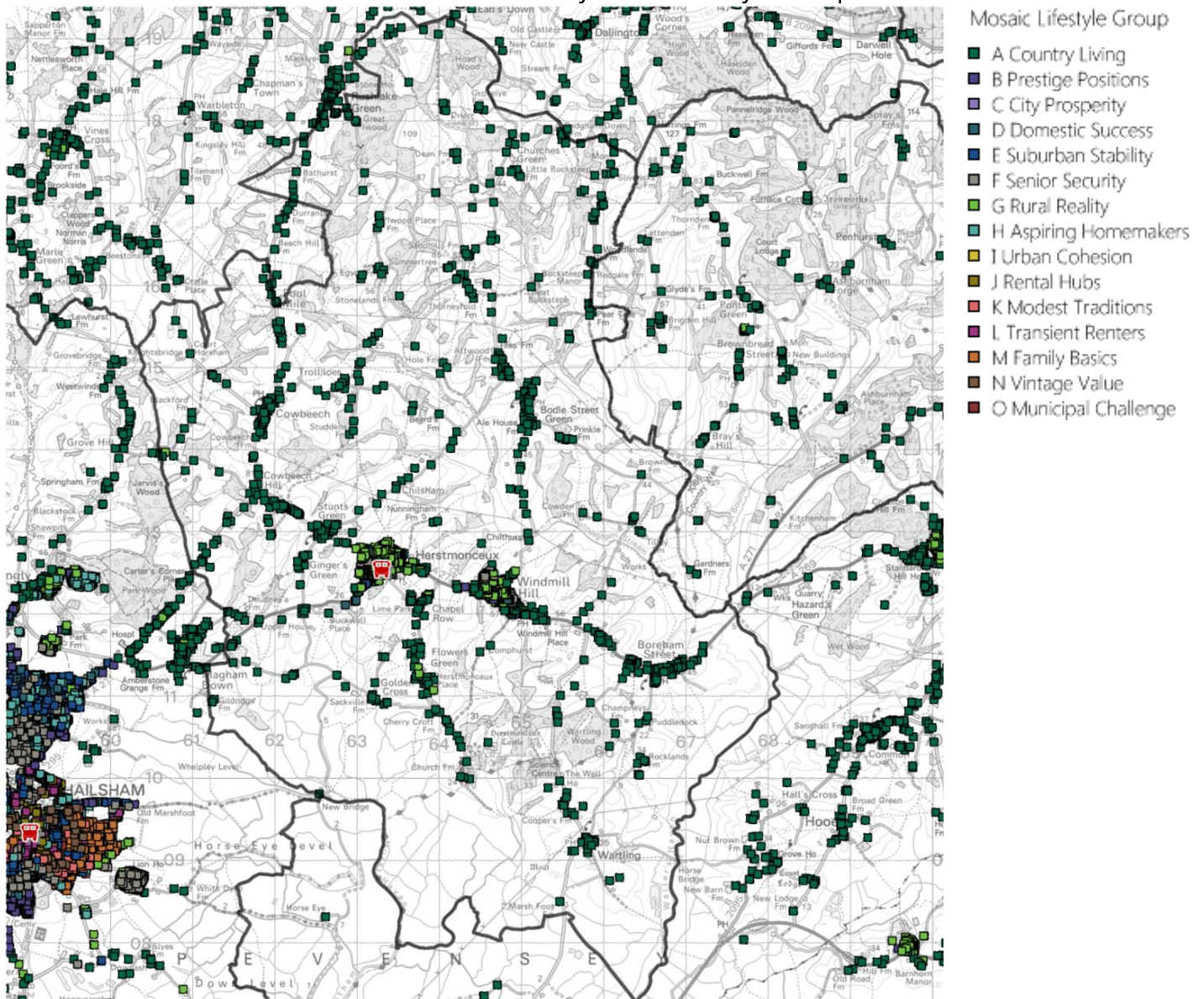
A03 - Wealthy Landowners: Prosperous owners of country houses including the rural upper class, successful farmers and second-home owners

G29 - Satellite Settlers: Mature households living in expanding developments around larger villages with good transport links

A01 - Rural Vogue: Country-loving families pursuing a rural idyll in comfortable village homes while commuting some distance to work

These 3 types of household have had few dwelling fires over the past 9 years and, compared to the base population, have a lower propensity to having a dwelling fire – they have around a third fewer dwelling fires than one would expect. The map below shows the dispersal of households across the station area.

Households in Herstmonceux Station Admin area by Mosaic Lifestyle Group

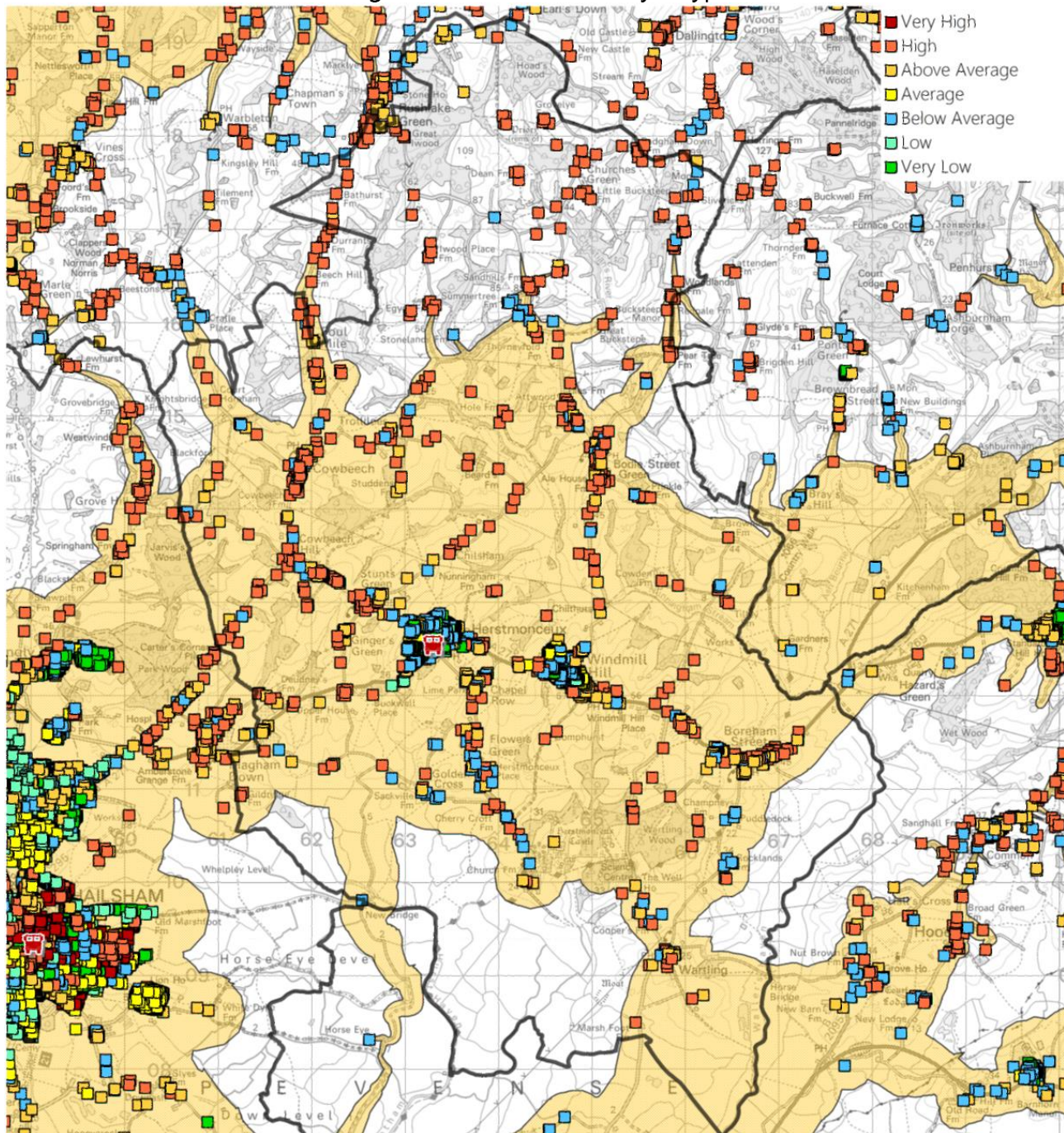


The map below shows the dispersion of mosaic households, classified by their initial fire risk rating, which is based on a combination of the number of fires and propensity to having a fire within each mosaic type. Those that have historically had a higher prevalence of and/or higher likelihood to having a fire are ranked higher. The risk rating is a relative risk and is a useful way to show socio-demographic risk, in the absence of additional risk information that ESFRS glean from other sources.

### Households in Herstmonceux Station Admin area by Initial Fire Risk Rating

Station Area	Very High	High	Above Average	Average	Below Average	Low	Very Low	Total
Herstmonceux	0	491	310	101	515	18	162	1,597
Herstmonceux (%)	0.0%	30.7%	19.4%	6.3%	32.2%	1.1%	10.1%	100%
ESFRS (%)	18.4%	21.7%	11.5%	13.9%	17.2%	13.0%	4.3%	100%

### Household Fire Risk – Initial Rating based on Mosaic Lifestyle Type



Station Admin Area	Very High	Within Att. Standard (Day)	%	Within Att. Standard (Night)	%	High	Within Att. Standard (Day)	%	Within Att. Standard (Night)	%
Herstmonceux	0	0	0.0	0	0.0	491	409	83.3	409	83.3

Overall, 93% of households within Herstmonceux station area are within ESFRS attendance standards, for both day and night. It can be seen that approximately 58% of households are clustered around the average in terms of fire risk. A further 11% are deemed to be low or very low risk.

There are no households categorised as very high fire risk, based on their socio demographic lifestyle type. However, the high risk households represent 31% of households within the area, 83% of which fall within the attendance standards isochrones. The 17% that fall outside of the isochrones represent 82 households and these are located in the far north of the station area, towards Churches Green and approaching Rushlake Green.

### Holiday Parks

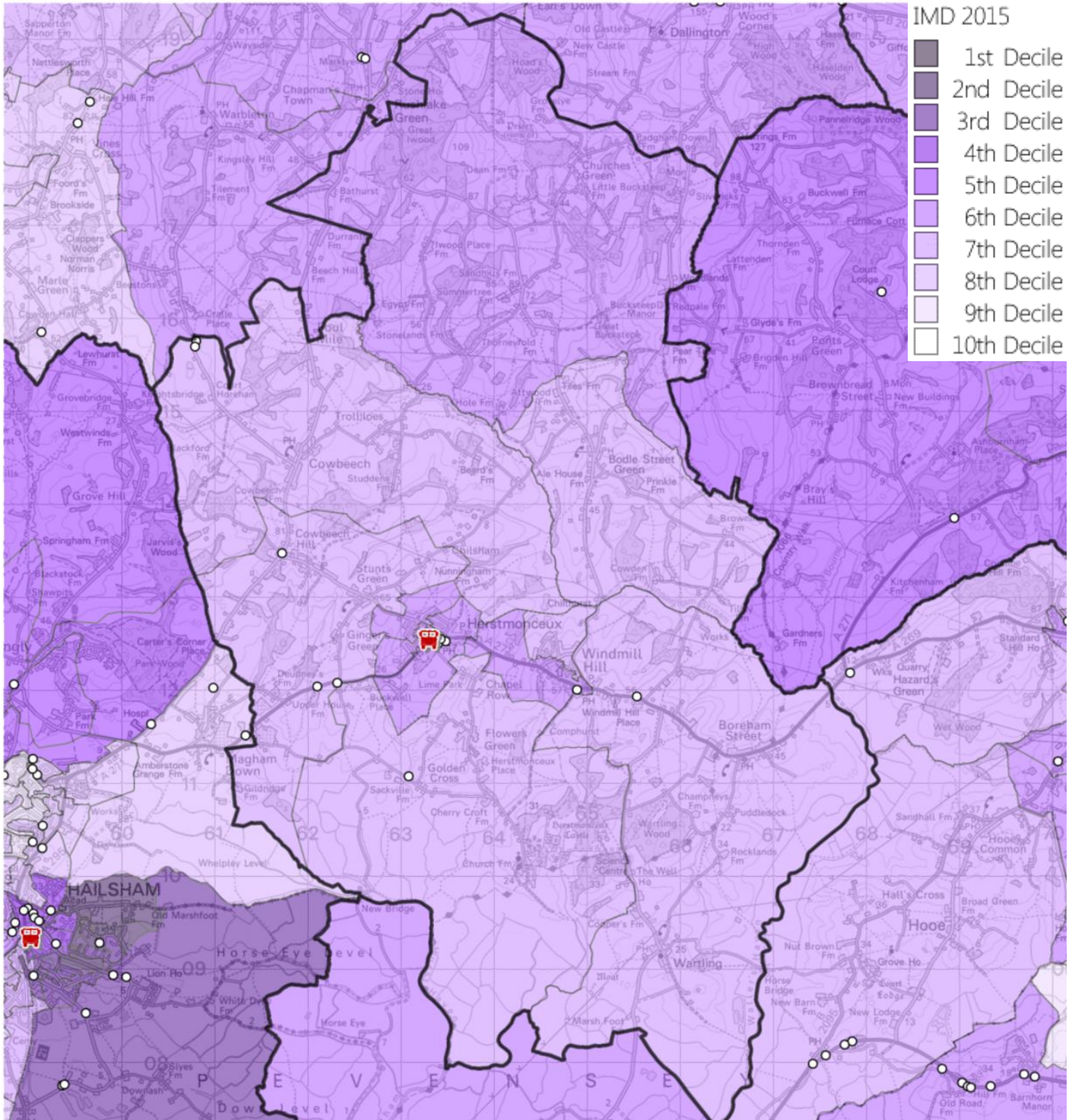
There is one main holiday park in Herstmonceux station area (Orchard View) which contain 117 units. These all sit within the attendance standard isochrones.

Station Admin Area	Total Number of Units	Within Attendance Standard (Day)	%	Within Attendance Standard (Night)	%
Herstmonceux	117	117	100	117	100

*A unit includes Caravans, lodges, bungalows, chalets, cottages and touring (caravan) pitches.*

The following map shows the Index of Multiple Deprivation (2015) deciles. IMD deciles measure the relative deprivation of an area compared with the whole of England and Wales and takes 7 domains of deprivation into consideration, namely: Income, Employment, Education, Health, Crime, Barriers to housing & services & Living environment. There is a positive correlation between deprivation and the numbers of incidents to which ESFRS respond. i.e. the more deprived an area, the more incidents to which we respond to.

Index of Multiple Deprivation 2015 Deciles with 'Critical Incidents' (2013-18)



It can be seen that the neighbourhoods within Herstmonceux station area, compared with the rest of England, are areas with low deprivation.

## Incidents

### Incidents occurring within Herstmonceux Station Area

The analysis of historical incidents has been split into two sections in order to identify both the geographic location of the incident and each fire appliance's incident activity. This section deals with historical incidents that have occurred within the geographical station area of Herstmonceux – irrespective of which appliance(s) were mobilised to the incident. This helps identify the types of incidents to which we have responded within Herstmonceux's area.

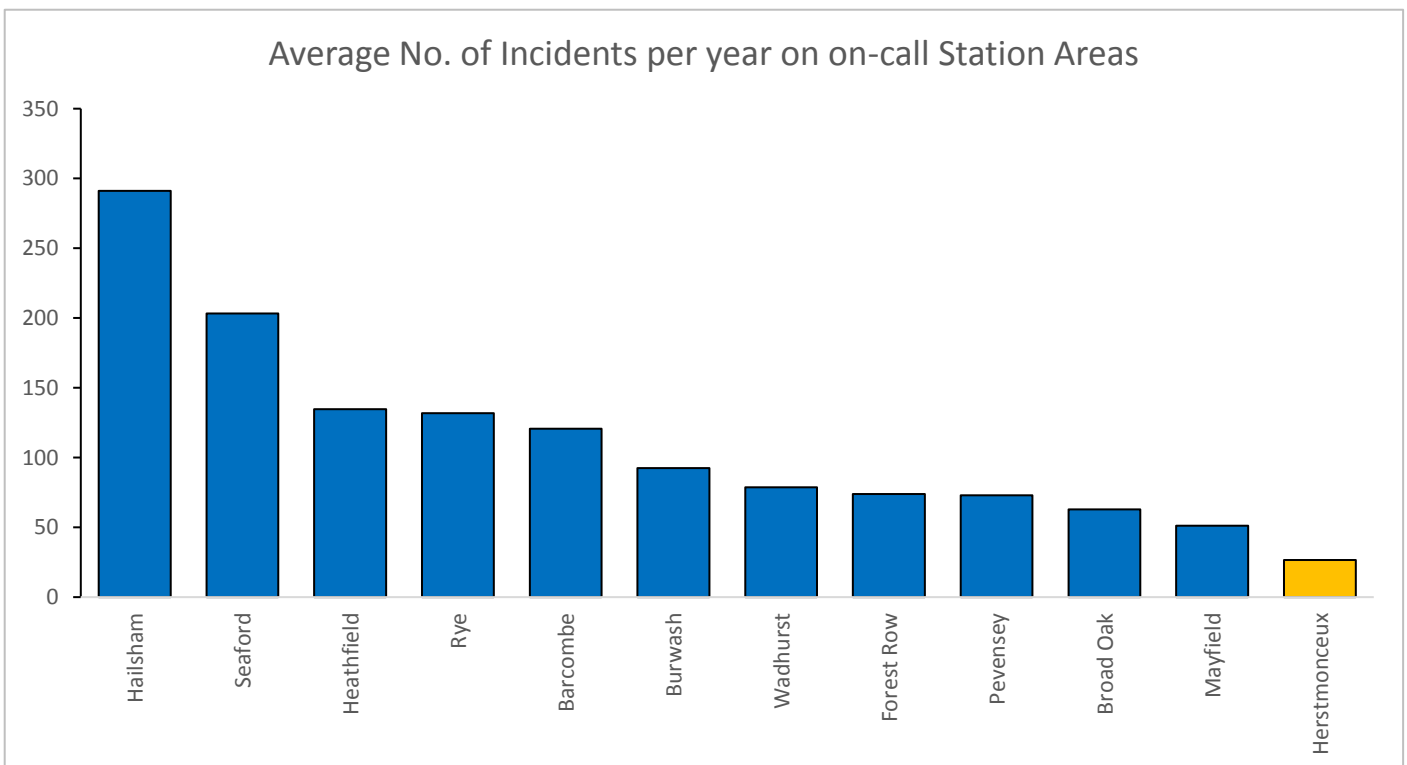
Over 9 years (Apr 2009 – Mar 2018), incidents within Herstmonceux station area have decreased by 34.7%, albeit the last 3 years have seen an increase in the numbers of incidents, as shown below.

### No. of Incidents within Herstmonceux Station Area per year

2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total
49	40	28	43	26	29	19	27	32	293

Between 2013-18, there were 133 incidents within the Herstmonceux station area, which equates to an average of 27 incidents per year.

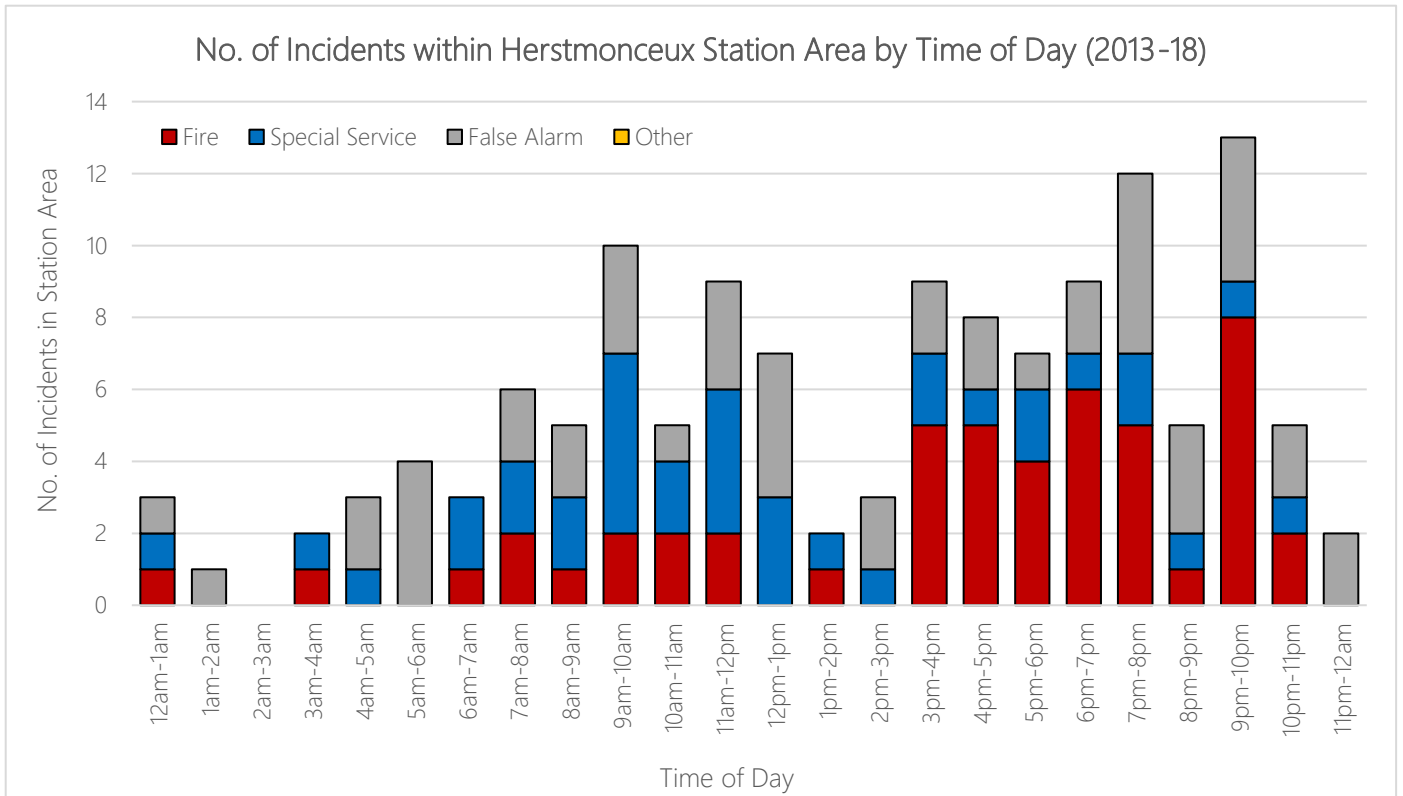
Herstmonceux is the quietest station area in terms of the numbers of incidents occurring within its area. The next quietest station, Mayfield, has almost twice as many incidents occurring in its area per year (51 per year), as shown in the chart below:



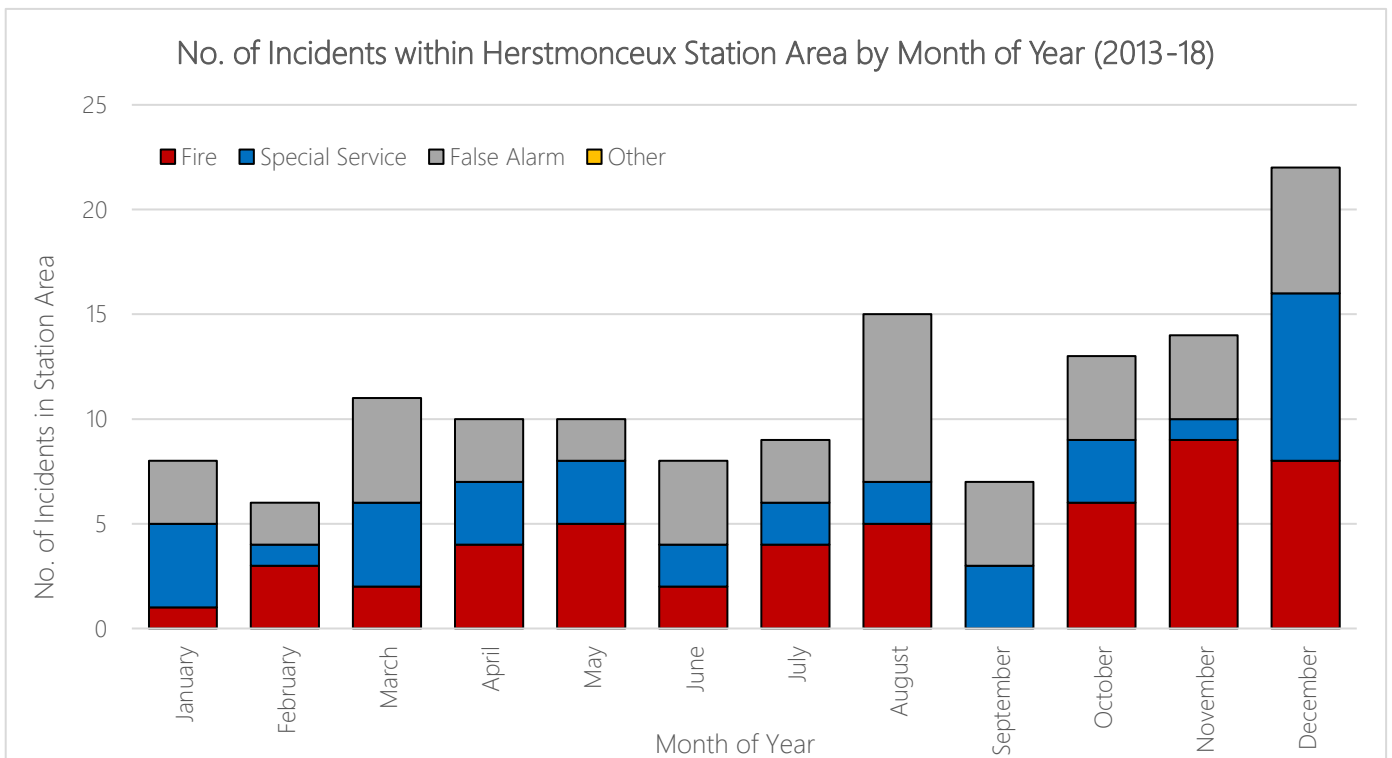
The following charts show the distribution of incidents by day of week and month of year. The shape of these distributions follows a typical distribution, albeit there is a significant dip around lunchtime between



1-3pm. However, it must be noted that this distribution is based on a much smaller sample of incidents than other station areas so there will be a certain amount of volatility in the distribution shape.



Unusually, the summer months do not attract a greater number of incidents – the most incidents occur within December. It can be seen that October to December are when the greatest proportion of fire incidents occur and December is also the month with the greatest proportion of special service calls.



The following table illustrates the types of incidents that have occurred within Herstmonceux station area over the past 9 years. Dwelling fires and RTC incidents combined make up 15% of incidents (4 per year)

which is slightly higher than the ESFRS average, due to the higher proportion of RTCs. The proportion of fires within Herstmonceux station area are 14.6% higher than the ESFRS average and false alarm incidents are lower by 13.7%. RTCs represent the 3<sup>rd</sup> highest type of incident in Herstmonceux area and are also 9.2% higher than the ESFRS average. Over last 3 years, false alarms in Herstmonceux area have started to rise but fires and special service calls have plateaued.

### No. of Incidents within Herstmonceux Station Area by Incident Type

Incident Type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total	5yr Ave.	%	% ESFRS
Primary Fire - Dwelling	1	0	5	1	1	0	0	0	0	8	0	0.8	6.3
Primary Fire - Non Residential	2	2	3	0	1	3	0	1	1	13	1	4.5	2.1
Primary Fire - Other Residential	0	0	0	0	0	0	0	1	0	1	0	0.8	0.6
Primary Fire - Vehicle	0	3	2	2	1	2	0	3	0	13	1	4.5	2.7
Primary Fire - Outdoor	0	0	0	1	1	1	1	0	1	5	1	3.0	0.9
Chimney Fire	5	7	1	7	2	3	5	5	3	38	4	13.5	1.6
Secondary Fire	4	3	2	0	3	2	3	2	3	22	3	9.8	8.1
Fire - Classification Not Recorded	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
Special Service - Advice Only	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
Special Service - Animal assistance incidents	4	1	2	2	3	1	0	0	1	14	1	3.8	2.3
Special Service - Assist other agencies	0	0	0	0	0	0	0	0	0	0	0	0.0	1.7
Special Service - Effecting Entry/Exit	0	0	1	1	0	1	0	0	0	3	0	0.8	3.9
Special Service - Evacuation (no fire)	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Special Service - Flooding	1	0	0	2	4	1	1	0	0	9	1	4.5	4.2
Special Service - Hazardous Materials	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
Special Service - Lift Release	0	0	0	0	0	0	0	0	0	0	0	0.0	3.7
Special Service - Making Safe (not RTC)	0	0	0	0	0	0	1	1	0	2	0	1.5	1.8
Special Service - Medical Incident	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
Special Service - No action (not false alarm)	1	1	0	1	0	1	0	0	0	4	0	0.8	0.7
Special Service - Other rescue/release of persons	0	1	0	0	0	0	0	0	0	1	0	0.0	1.0
Special Service - Other Transport	0	0	0	0	1	0	0	0	0	1	0	0.8	0.3
Special Service - Removal of objects from people	0	0	0	0	0	0	0	0	0	0	0	0.0	0.6
Special Service - Removal of people from objects	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
Special Service - Rescue or evacuation from water	0	0	0	1	0	0	0	0	0	1	0	0.0	0.1
Special Service - RTC	4	5	6	9	4	5	1	5	4	43	4	14.3	5.1
Special Service - Spills and Leaks (not RTC)	0	0	0	0	0	1	0	0	0	1	0	0.8	1.1
Special Service - Stand By	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Special Service - Suicide	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
Special Service - Unknown	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
Special Service - Water provision	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
False Alarm - Apparatus	16	12	3	11	2	4	2	6	9	65	5	17.3	34.6
False Alarm - Good Intent	10	4	3	4	3	4	5	3	10	46	5	18.8	13.6
False Alarm - Malicious	1	1	0	0	0	0	0	0	0	2	0	0.0	1.3
False Alarm - Unknown	0	0	0	1	0	0	0	0	0	1	0	0.0	0.2
Other	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
<b>Grand Total</b>	<b>49</b>	<b>40</b>	<b>28</b>	<b>43</b>	<b>26</b>	<b>29</b>	<b>19</b>	<b>27</b>	<b>32</b>	<b>293</b>	<b>27</b>	<b>100</b>	<b>100</b>

In addition to the above table, which breaks down fires by property type, special services by special service type and false alarms by false alarm type, the following table further breaks down false alarms by property type. It can be seen that 56% of false alarms are to dwellings, which is higher than the average proportion across ESFRS (49%). Proportionally there are a twice as many of outdoor false alarms compared to ESFRS as a whole.

#### No. of False Alarms by Property Type (Apr 2013 - Mar 2018)

Property Type	Herstmonceux	ESFRS
Dwelling	27 (56.3%)	11,127 (49%)
Non-Residential	9 (18.8%)	6,612 (29.1%)
Other Residential	1 (2.1%)	2,181 (9.6%)
Outdoor	8 (16.7%)	1,762 (7.8%)
Outdoor Structure	(0%)	194 (0.9%)
Road Vehicle	3 (6.3%)	443 (2%)
Unknown	(0%)	377 (1.7%)
<b>Total</b>	<b>48</b>	<b>22,696</b>

The following table shows the number of critical incidents that occur within Herstmonceux station area over the past 9 years. This equates to an average of 3 incidents per year which result in a rescue or some form of injury (special service rescues (excl. RTCs) with no injury are not included in the calculation). Given that approximately 27 incidents occur within Herstmonceux area each year, this represents around 11% of incidents have some form of life risk, which is much higher than the ESFRS average of 5.2%. Due to the very low numbers, it is difficult to predict a trend, but, using a 3-year floating average, the trend appears to be slightly downwards.

#### No. of Critical Incidents within Herstmonceux Station Admin Area

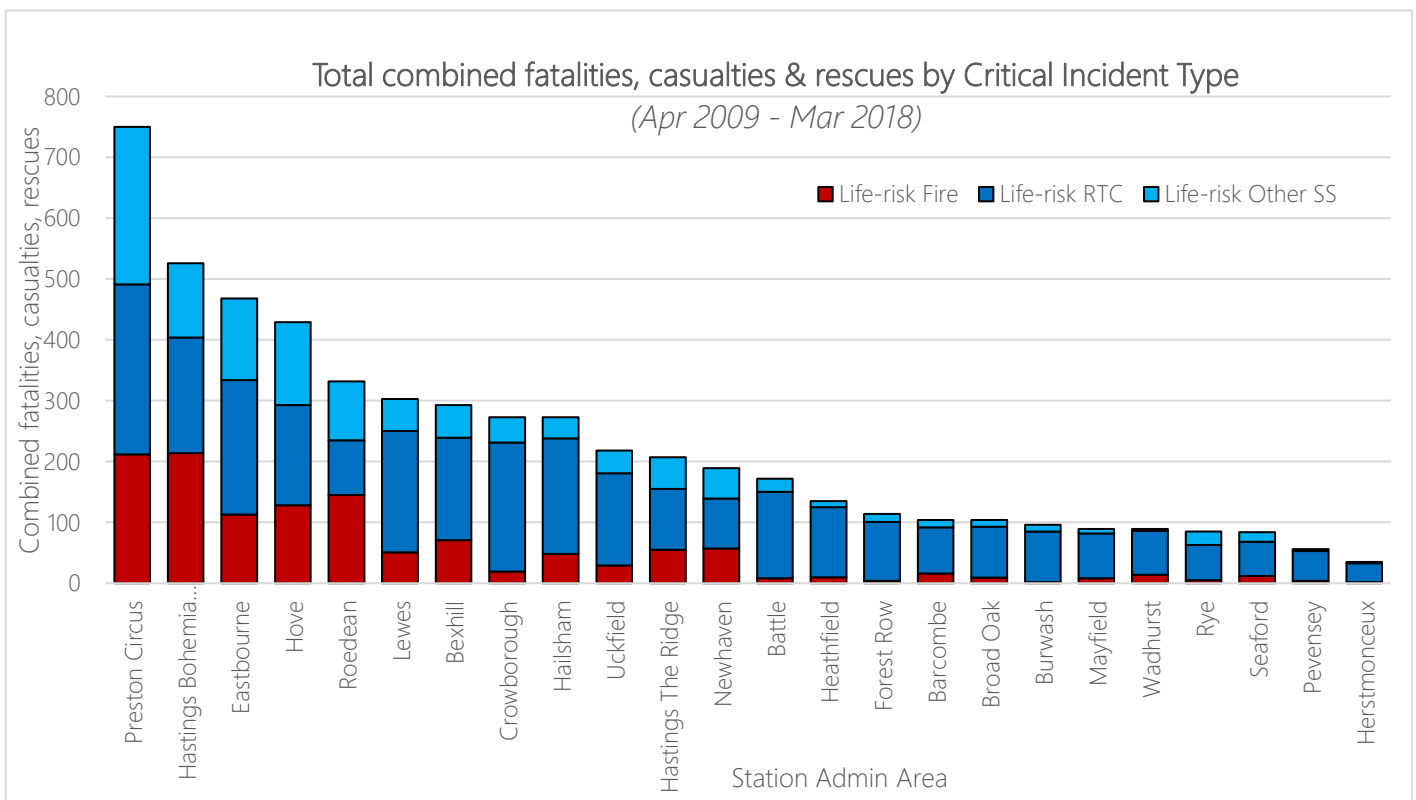
Critical Incidents	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total
Life-risk Fire	0	0	1	0	0	1	0	0	0	2
Life-risk RTC	0	5	3	4	1	3	1	3	3	23
Life-risk Special Serv.	1	1	0	0	0	0	0	0	0	2
<b>Total</b>	<b>1</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>27</b>

The table below shows the actual numbers of fatalities, casualties and rescues recorded against each critical incident type over the past 9 years. It can be seen that 27 critical incidents have resulted in 35 injuries and/or rescues over the past 9 years (3.9 fatalities, casualties, rescues per year), thus each critical incident in Herstmonceux area gives rise to 1.30 casualties. This is marginally higher than the ESFRS average of 1.26 casualties to every critical incident.

### No. of fatalities, casualties and rescues within Herstmonceux Station Area (Apr 09 – Mar 18)

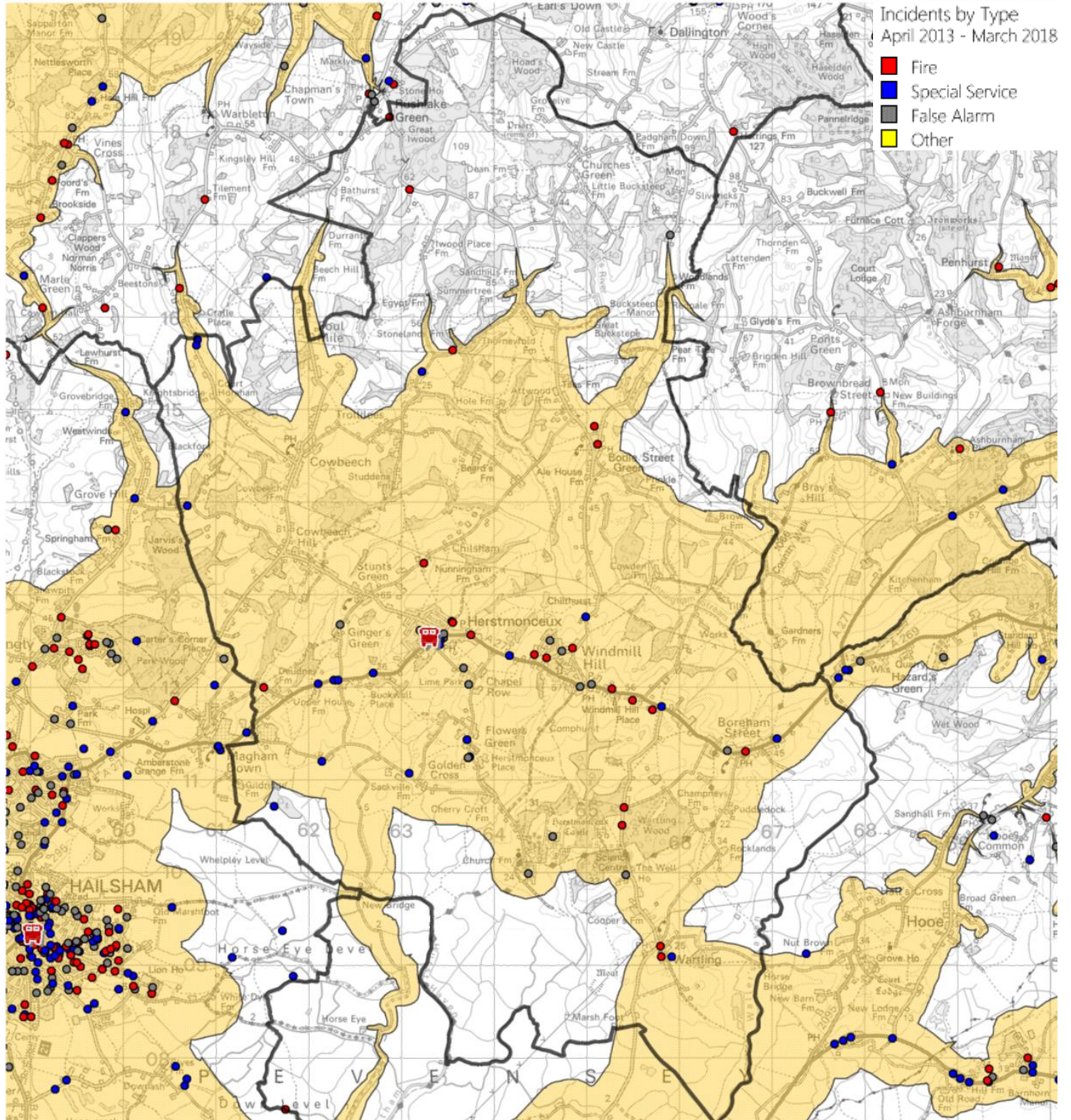
Casualty Severity	Fire	RTC	Other SS.	Total
Fatal Injury	1	0	1	2
Serious Injury	0	4	1	5
Slight Injury	1	20	0	21
First Aid/Prec. Check	0	4	0	4
Rescue (No Injury)	0	3	0	3
<b>Total Life-Risk</b>	<b>2</b>	<b>31</b>	<b>2</b>	<b>35</b>

Herstmonceux ranks 24 out of the 24 station areas (or 12 out of 12 on-call areas) regarding combined numbers of fatalities, casualties and rescues as demonstrated on the following chart.



50% of incidents within Herstmonceux station area occurred during the daytime (between 08:30 and 18:30). The map below shows all daytime incidents over the last 5 years, with daytime attendance standards coverage overlaid. 96% of daytime incidents fall within the attendance standards isochrone. The proportion of all incidents that fall outside of the isochrones is the 14<sup>th</sup> highest out of all station areas. This is due to the few incidents that occurred in the north of the station area.

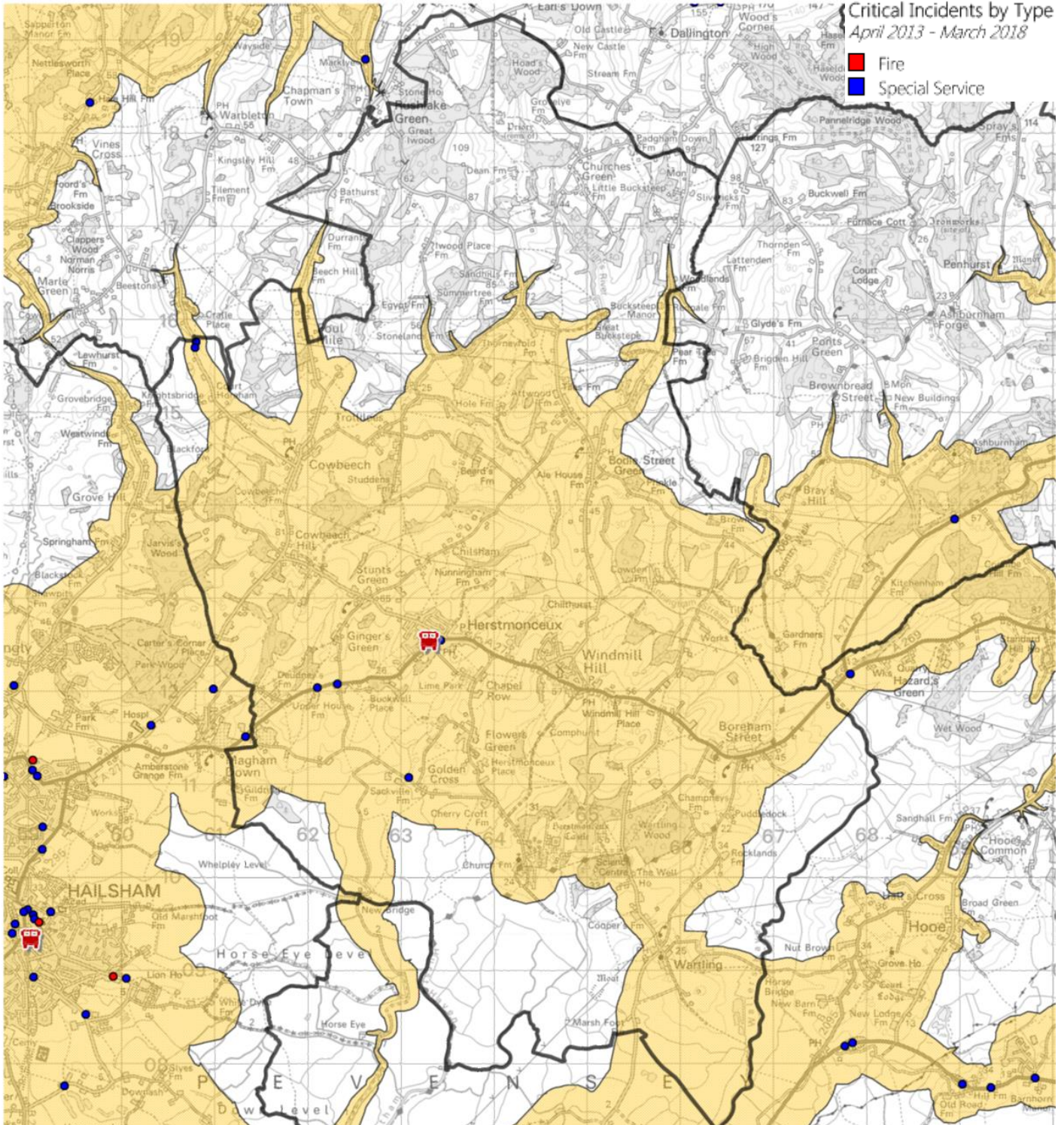
All Incidents by Type that occurred during 'daytime' (08:30 – 18:30) between 2013-18



The following map now only show critical incidents that occurred within Herstmonceux station - area during the day.

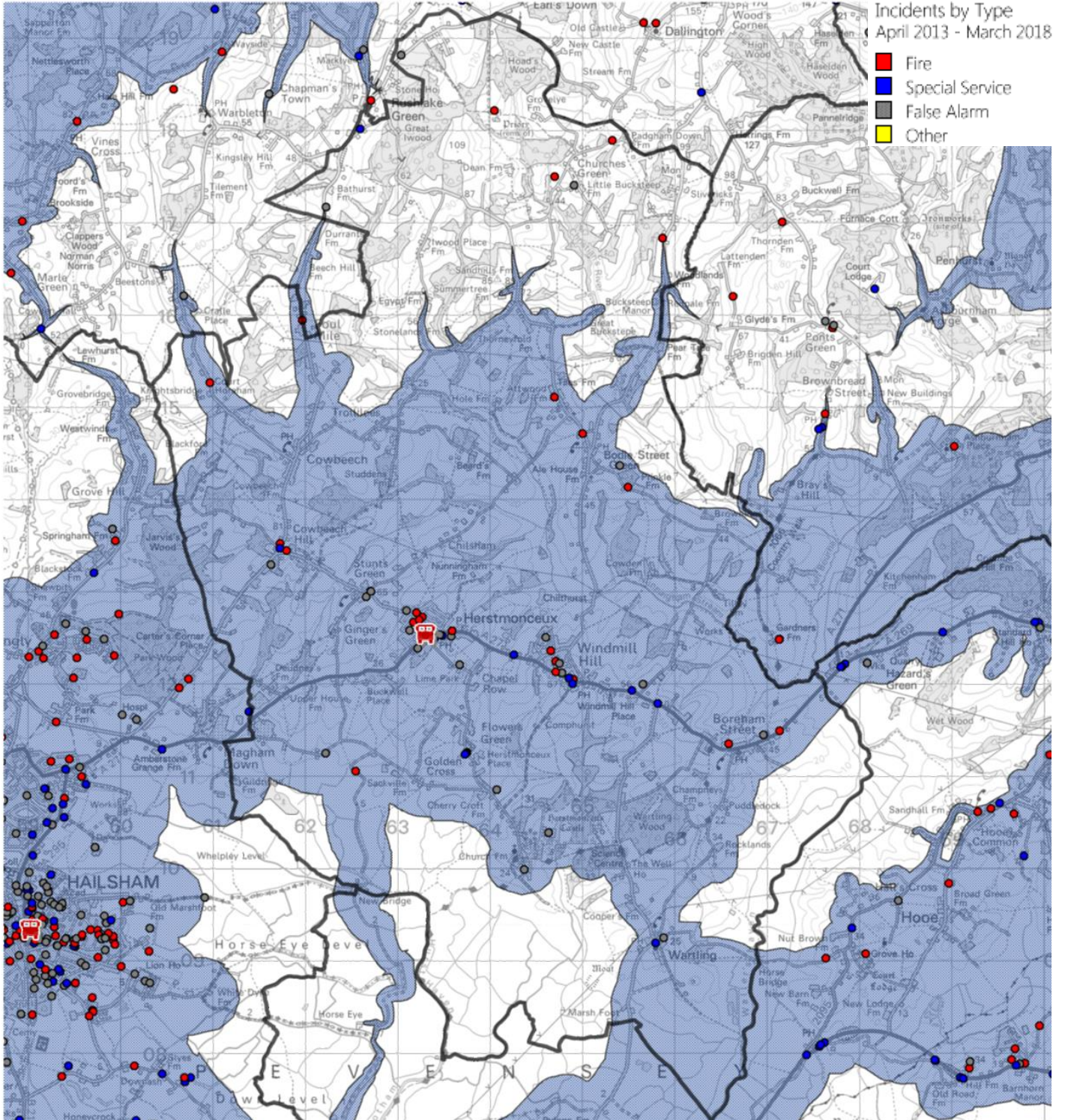
58% of these occurred during the daytime (between 08:30 and 18:30). 100% fall within the attendance standards isochrone.

### Critical Incidents by Type that occurred during 'daytime' (08:30 – 18:30) between 2013-18



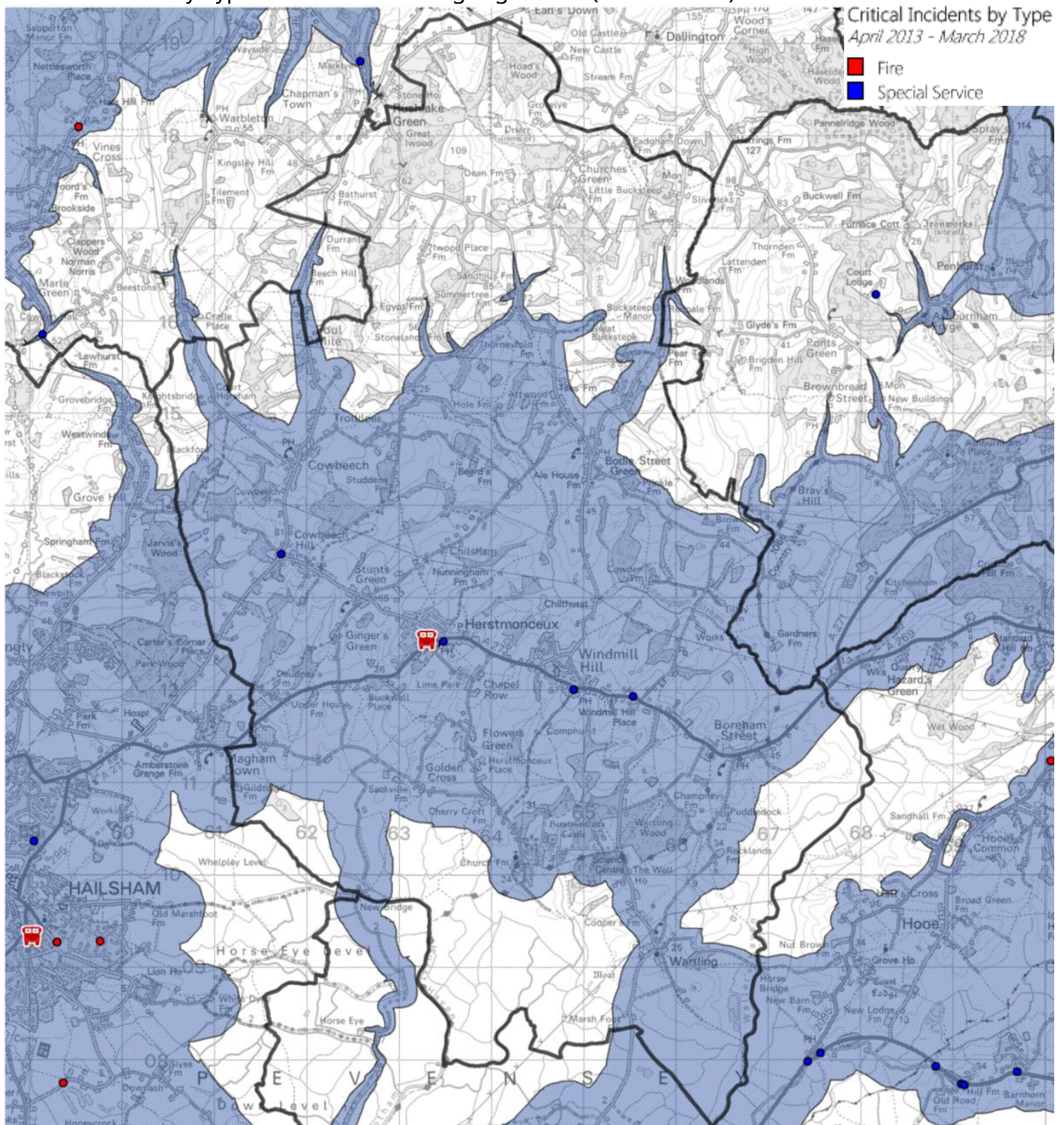
50% of incidents within Herstmonceux station area occurred during the night time (between 18:30 and 08:30). The map below shows all night time incidents over last 5 years, with night time attendance standards coverage overlaid. 88% of night time incidents fall within the attendance standards isochrone. The proportion of all incidents that fall outside of the isochrones is the 5<sup>th</sup> highest out of all station areas. This is due to the number of critical incidents that occur in outlying villages within the area, particularly in Churches Green and towards Rushlake Green.

All Incidents by Type that occurred during 'night time' (18:30 – 08:30) between 2013-18



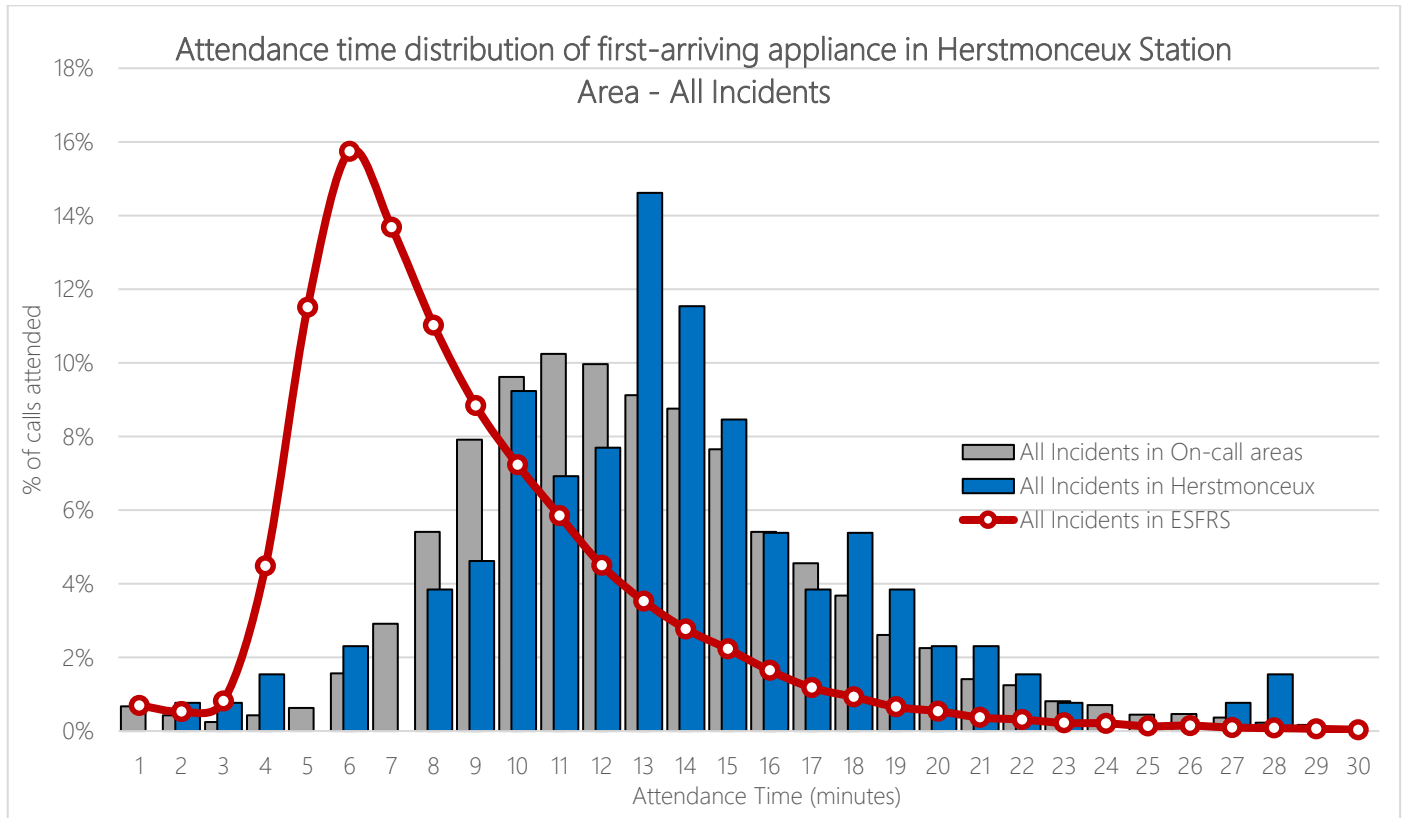
The following map now only shows critical incidents that occurred within Herstmonceux station area during the night. 42% of these occurred during the night time (between 18:30 and 08:30). 100% fall within the attendance standards isochrone.

Critical Incidents by Type that occurred during 'night time' (18:30 – 08:30) between 2013-18

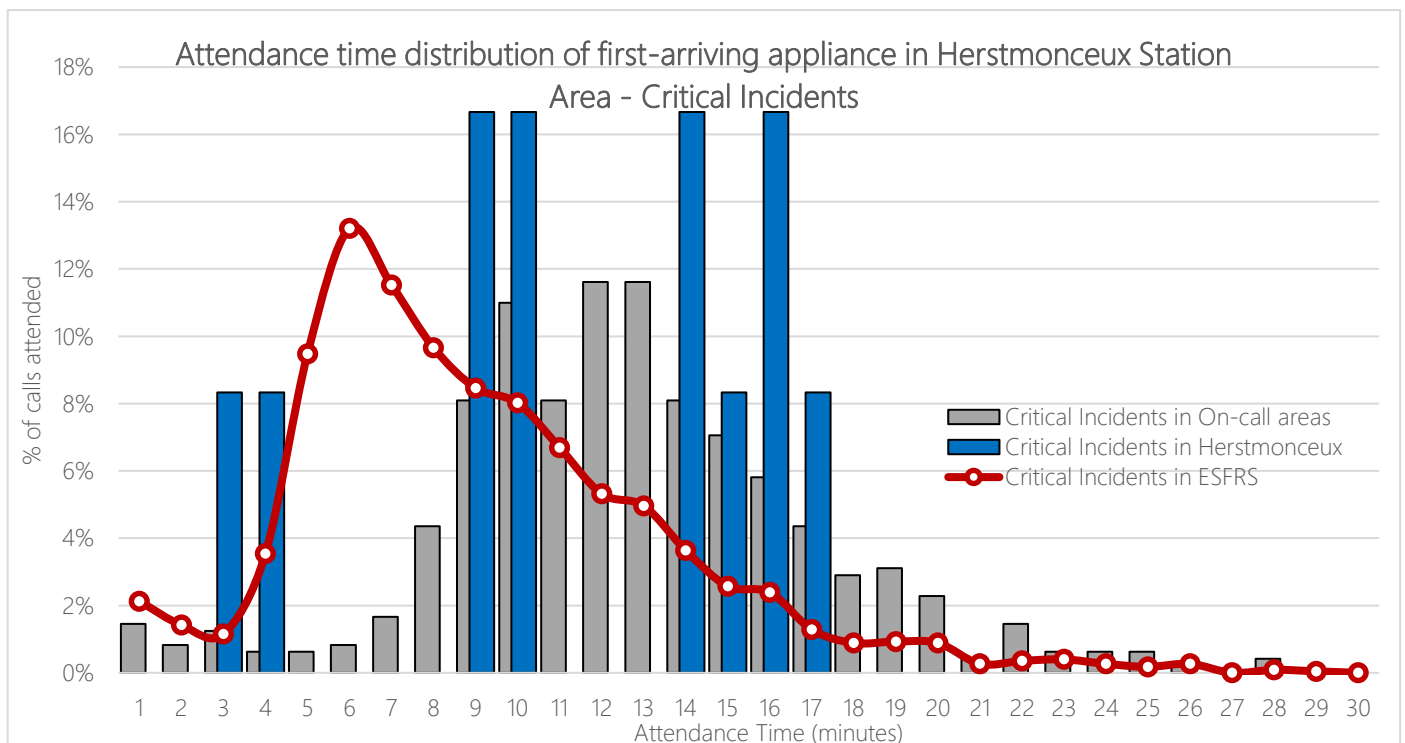




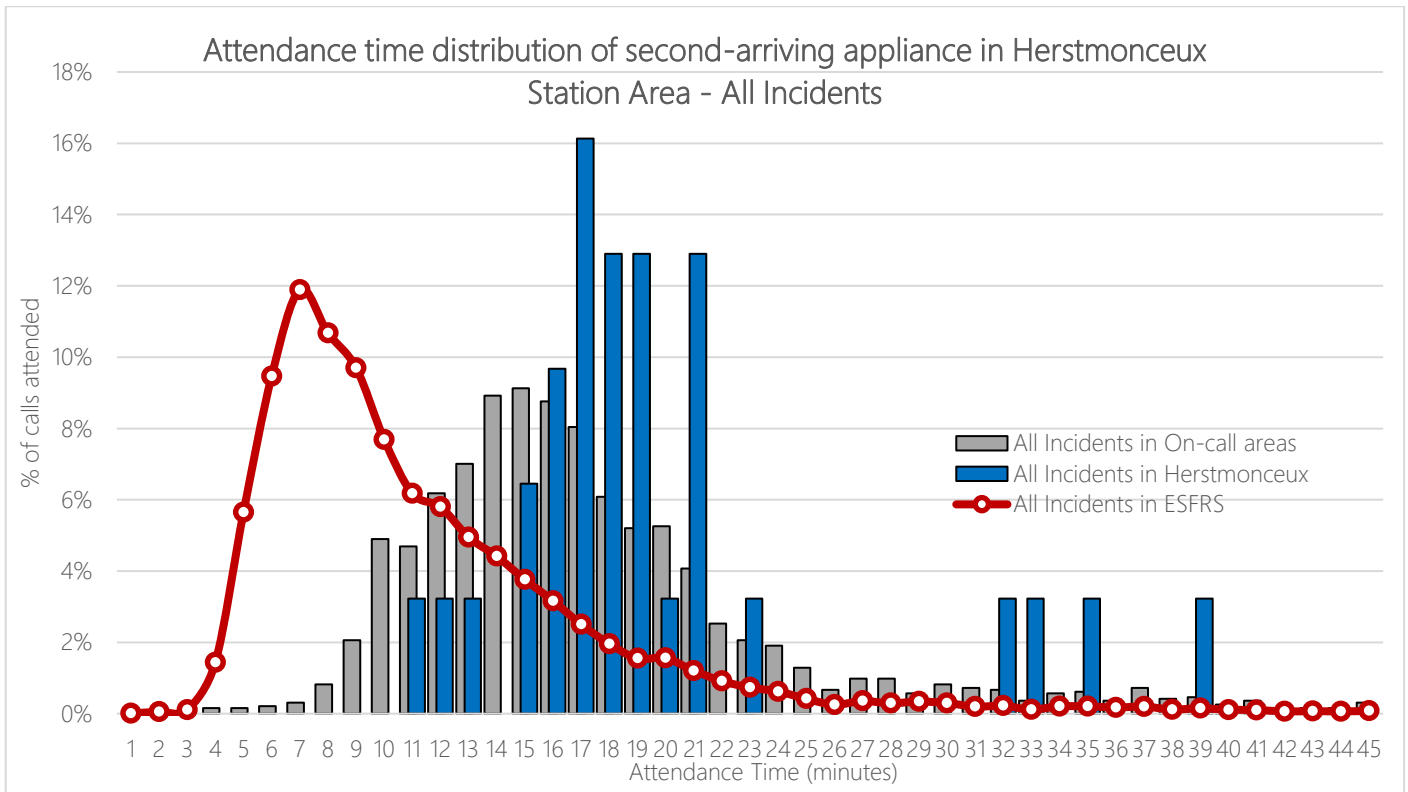
The chart below shows the distribution of response times by minute intervals. These distributions are based on 5 years of data (Apr 2013 – Mar 2018) and help understand the range of response times to all types of incidents that have occurred within Herstmonceux Station area, compared with other areas. It can be seen that, compared to other on-call station areas, there are a greater proportion of initial attendances between 13-15 minutes, but fewer attendances between 8-12 minutes indicating that, overall, attendances to Herstmonceux are slightly longer than other on-call station areas.



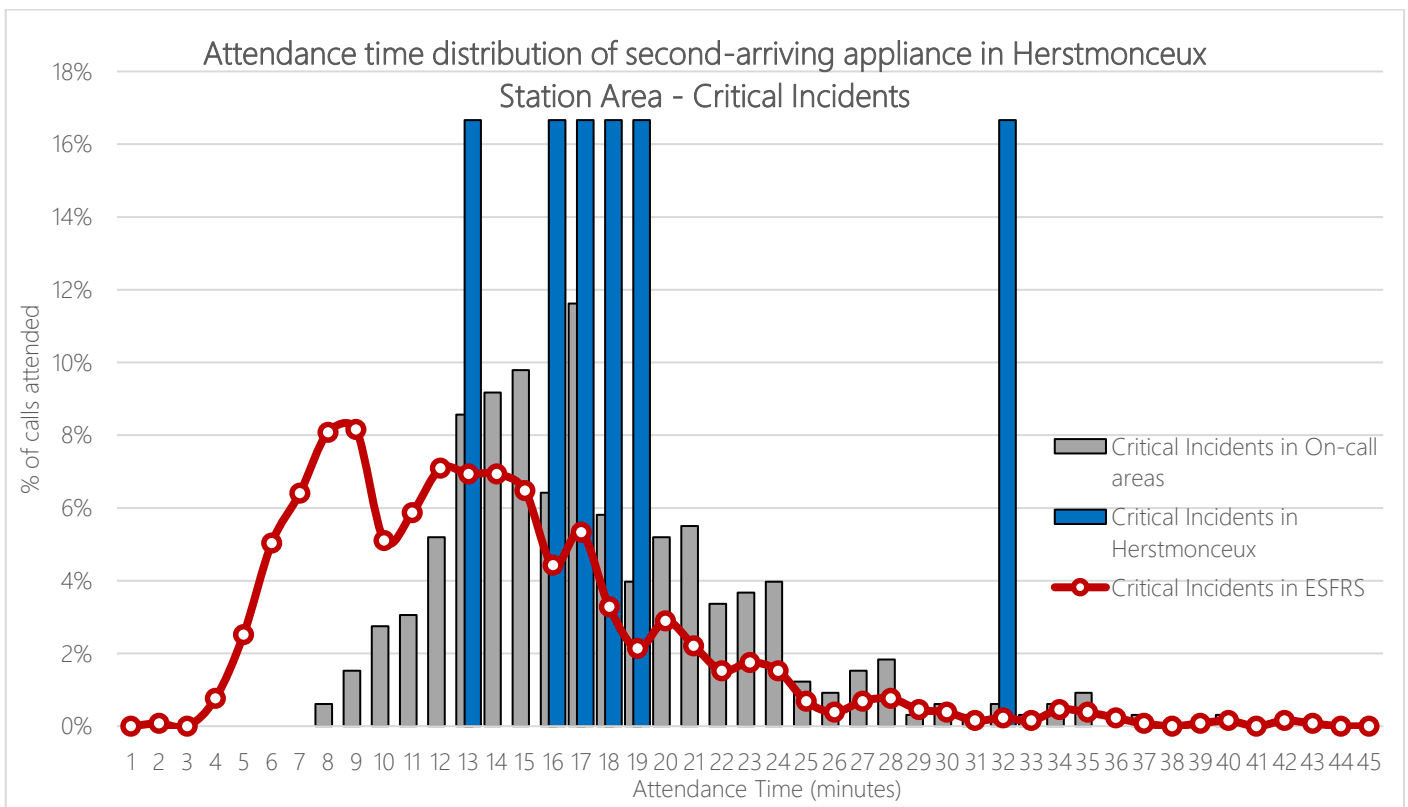
The following chart depicts similar information, but for critical incidents only. As there are few critical incidents within Herstmonceux area, the distribution curve is not uniform.



The chart below shows the distribution of response times to all incidents by minute intervals for the second appliance (where applicable) across a five year period (Apr 2013 – Mar 2018). It can be seen that, compared to the previous charts, the attendance times peak between 17-21 minutes for the arrival of the 2<sup>nd</sup> appliance compared to 13-15 minutes for the 1<sup>st</sup> appliance. 2<sup>nd</sup> pump attendance times are also longer than the average for on-call station areas.



The chart below shows the distribution of attendance times to critical incidents across Herstmonceux station area for the 2<sup>nd</sup> appliance over a five year period (Apr 2013 – 2018).



The table below shows the average delay between the arrival of the first and second appliances within Herstmonceux station area for dwelling fires and RTCs – the two incident types represent where the majority of our life-risk incidents occur and where we typically send 2 pumping appliances as part of the initial PDA. It can be seen that, compared to other on-call areas, the average lag time is lower for dwelling fires by around 02:18, but higher for RTCs by around 01:54.

Incident Type	Ave. Lag Time in Herstmonceux	Ave. Lag Time across all On-call areas	Ave. Lag Time across ESFRS area
Primary Fire - Dwelling	05:48	08:06	03:21
Special Service - RTC	06:46	04:52	04:17

Between April 2013 and March 2018, 74% of incidents within the Herstmonceux station area were attended by a single fire appliance, which is slightly higher than the ESFRS total of 72% of incidents.

The table below shows, when there was a 2<sup>nd</sup> pump attendance, which appliances attended. FJE80P1 was, as you would expect, the 2<sup>nd</sup> pump attendance on the greatest number of occasions (26%). Herstmonceux itself arrived as the 2<sup>nd</sup> appliance on 23% of occasions, followed by Battle 20% of occasions and Heathfield 11% of occasions.

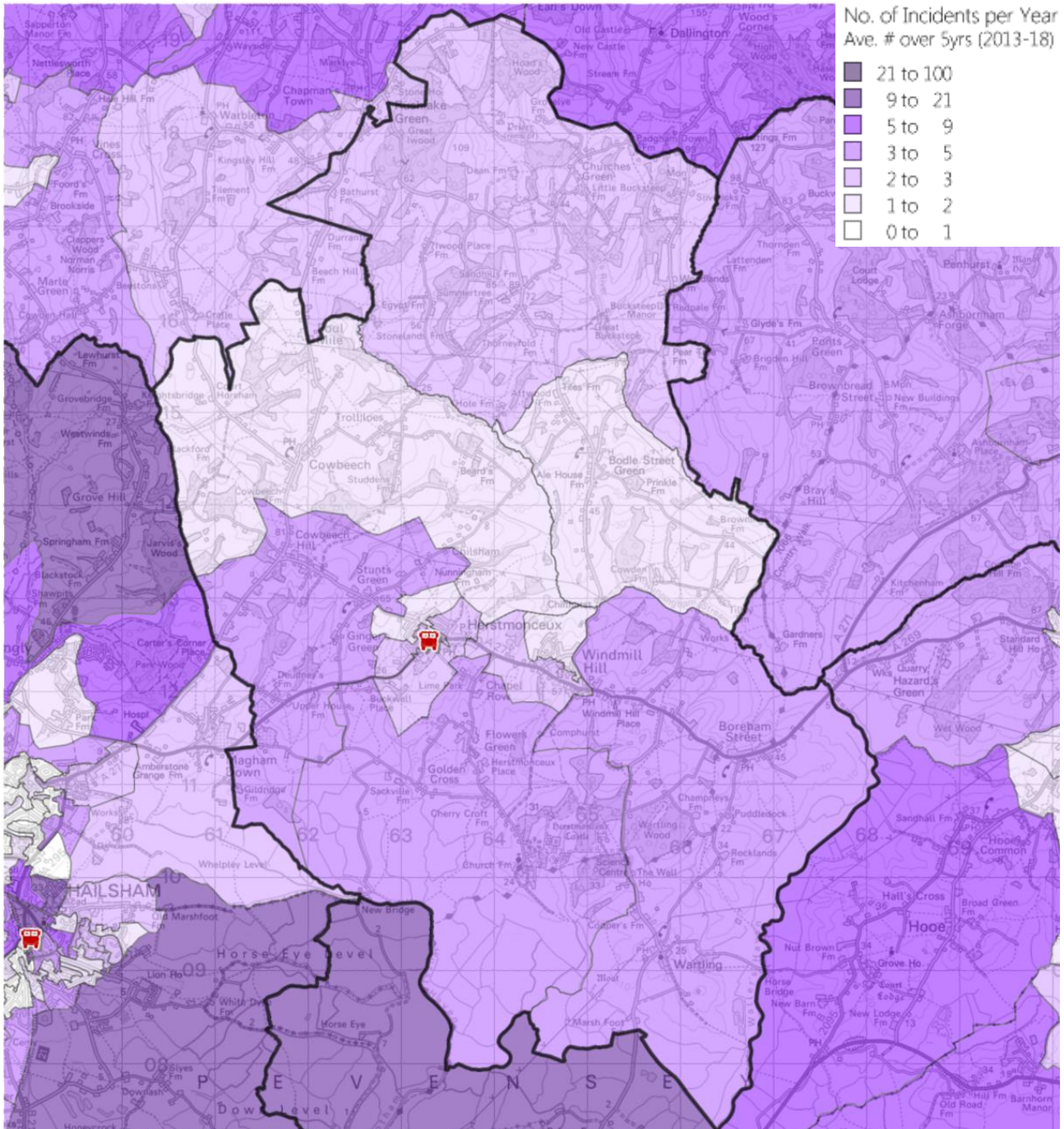
FJE80P1 (26%)	FJE79P1 (23%)	FJE72P1 (20%)	FJE82P5 (11%)	FJE83M1 (9%)	FJE70P1 (3%)	FJE73P4 (3%)	FJE77P1 (3%)	FJE93P4 (3%)
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The following map shows, by output area, the average number of incidents to which it is mobilised per year (based on a 5 year average). An Output Area (OA) is a geographic area, designed specifically for statistical purposes by the Office of National Statistics and used to aggregate Census information. An OA contains approximately 130 households, so output areas in rural communities can cover a large geographic area but an inner-city output area might only cover a street or a cluster of densely populated high-rise premises.

The map seeks to demonstrate the areas where there have been the most incidents within the Herstmonceux station area over the past five years. The darker the shade, the more incidents have occurred in the area. The ranges have been calculated statistically using the 'natural breaks' algorithm.

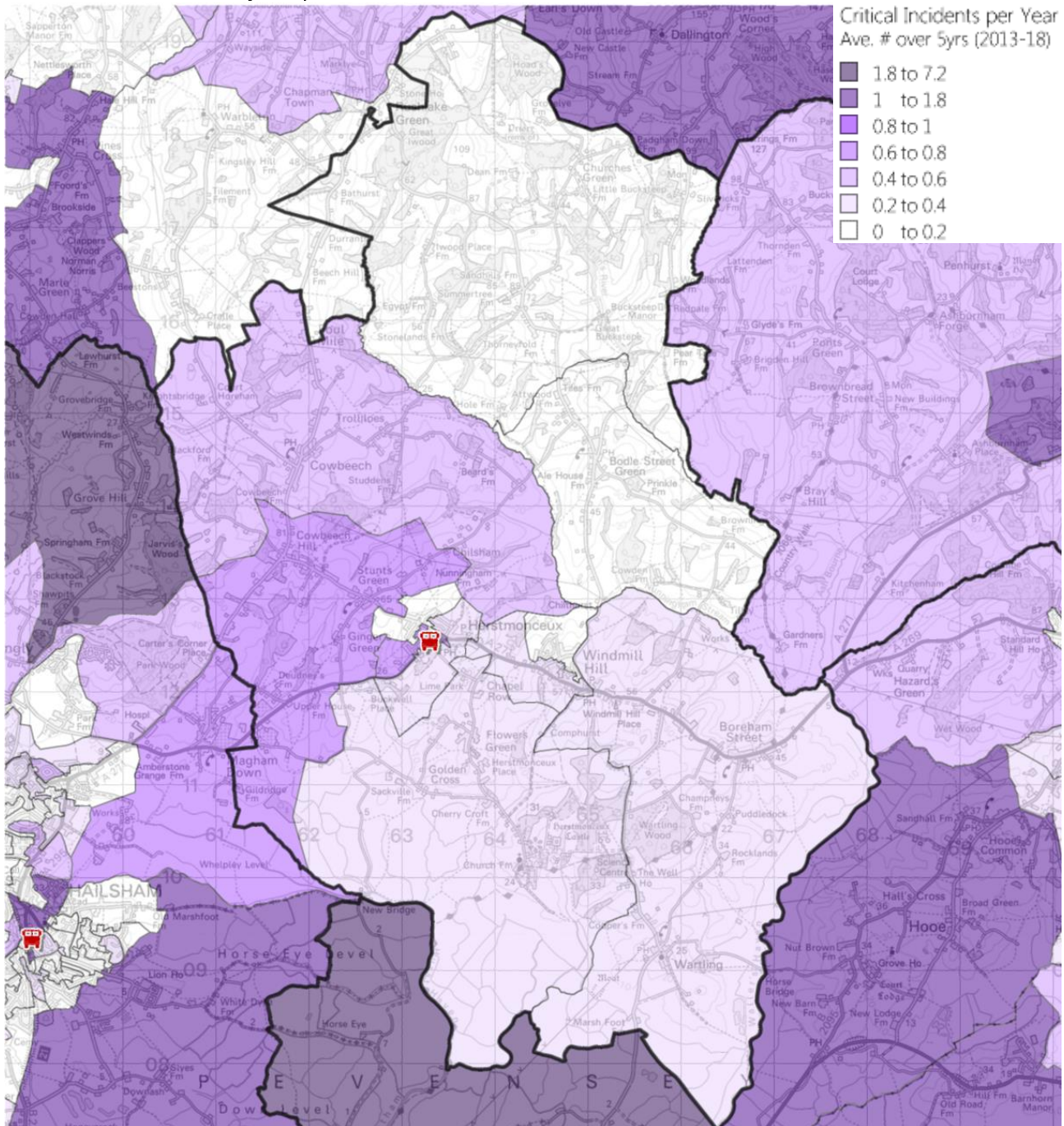
It can be seen that the majority of the Herstmonceux area has a very low incident density.

## Incident Density Map



The following map shows, by output area, the average number of critical incidents to which it is mobilised per year (based on a 5 year average). It can be seen that, overall, the number of incidents involving fatalities, casualties or rescues in Herstmonceux station area is very low. Please note, due to different ranges between the map below and the map above, direct colour comparisons should not be made.

## Critical Incident Density Map



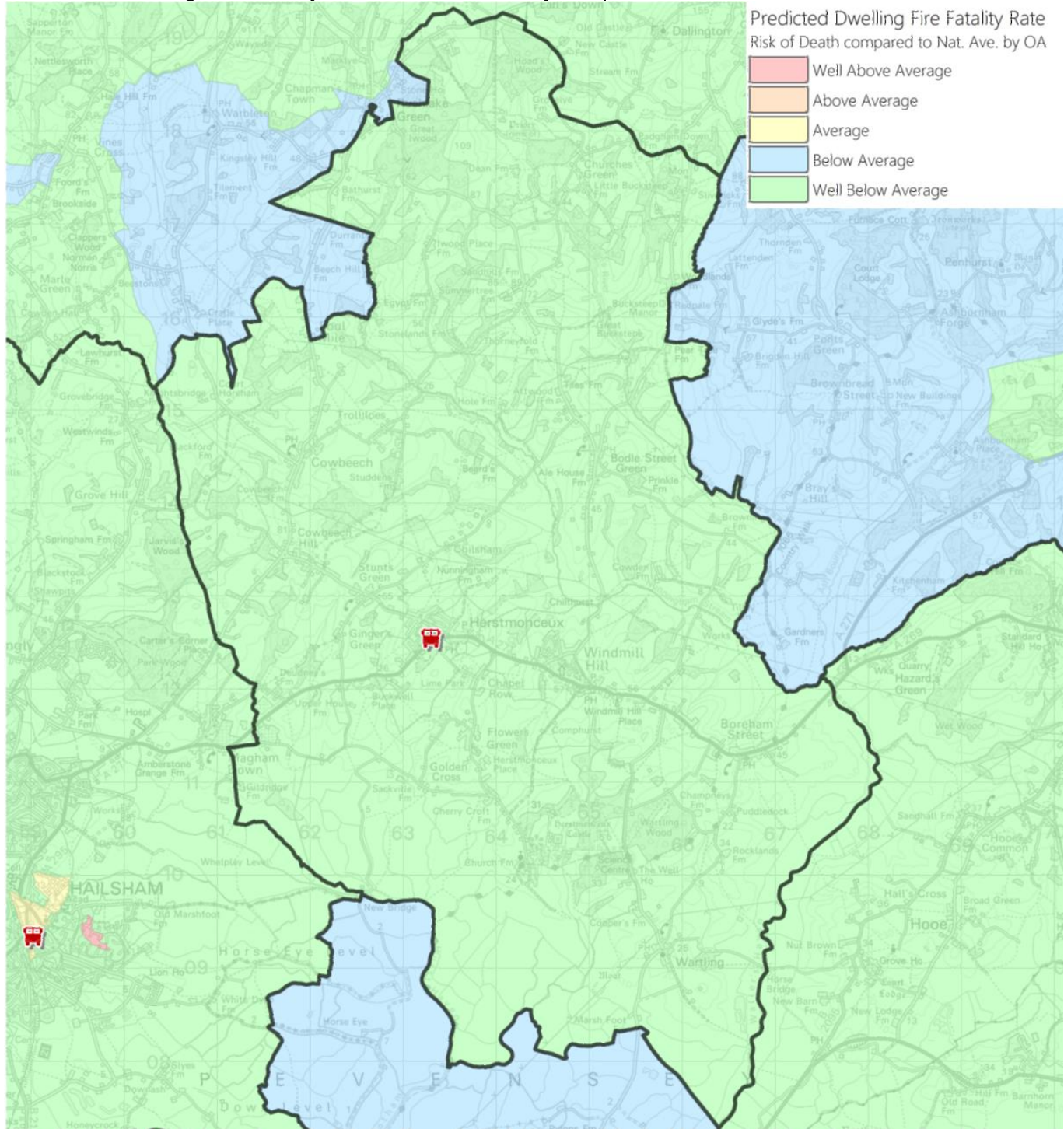
The following table illustrates the number of level 3 and 4 incidents that have occurred over the past 9 years within Herstmonceux station area. A level 3 incident is where between 7-9 pumping appliances are in attendance at the incident, whereas a level 4 incident represents where 10 or more pumping appliances attended. These incidents denote where significant resource was required in order to deal with a particular incident. There have been 0 level 3+ incidents over the past 9 years.

	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Grand Total
Level 3 (7-9 pumps)	0	0	0	0	0	0	0	0	0	0
Level 4 (10+ pumps)	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ESFRS Total</b>	<b>17</b>	<b>11</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>9</b>	<b>7</b>	<b>7</b>	<b>12</b>	<b>93</b>

The following map shows the predicted dwelling fatality rate by output area, produced by the Fire Service Emergency Cover Toolkit (FSEC). FSEC calculates the predicted risk of sustaining fatal injuries in a dwelling fire taking into account fire factors in census demographics, historical incident activity and response times. The map shows where the risk is higher and/or lower than the national average.

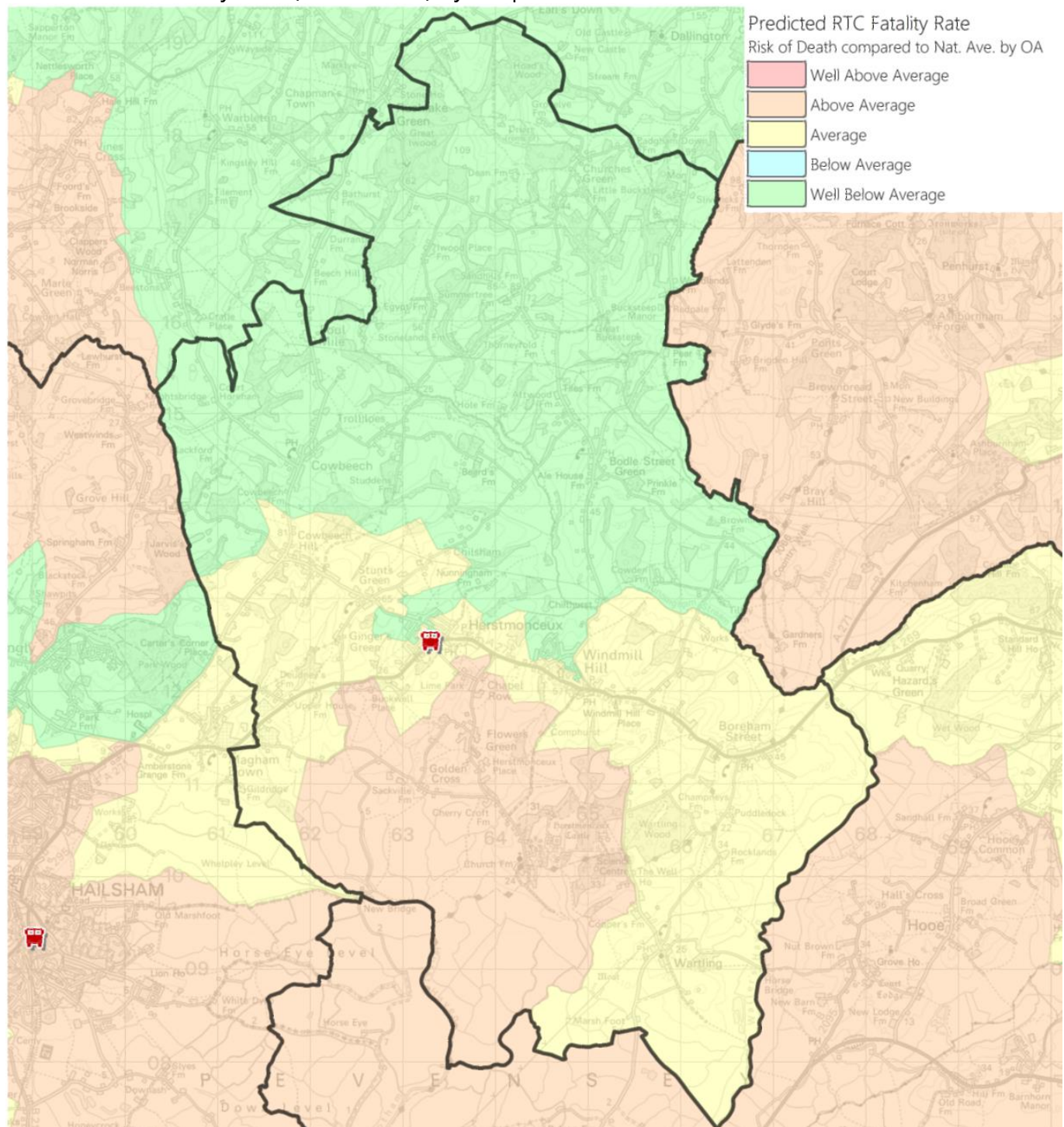
It can be seen that the Herstmonceux station area has a well below average risk of sustaining fatal injuries in a fire compared with the national average.

**Predicted Dwelling Fire Fatality Rate (risk of death) by Output Area**



The following map shows the predicted RTC fatality rate by output area, produced by the Fire Service Emergency Cover Toolkit. Areas through which the main A271 is located are described as an average risk of death compared with the national average. The north is designated as well below average risk and there is a single output area in the south-east that is classed as an above average risk.

**Predicted RTC Fatality Rate (risk of death) by Output Area**



### Incidents to which Herstmonceux appliance(s) were mobilised

Whilst the previous section dealt with incidents within Herstmonceux station area irrespective of which appliances were mobilised, this section deals with incidents to which Herstmonceux appliances have mobilised irrespective of the geographical location of the incident.

The table below shows the average turn-out times of the pumping appliance at Herstmonceux. Average turn-out times have been calculated using a trim mean. Any turn-out time quicker than 30 seconds or longer than 12 minutes were not used in the calculation. It can be seen that 2017/18 saw a marked decrease in the average turn-out time for FJE79P1. The average turn-out time across the 9 years is 06:15, albeit in 2017/18 it was 05:23. The last 3 years has seen a positive downward trend in the turn-out times.

### Average turn-out times of Herstmonceux appliance(s)

Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE79P1	06:05	06:08	06:55	06:14	06:34	06:22	06:48	06:18	05:23

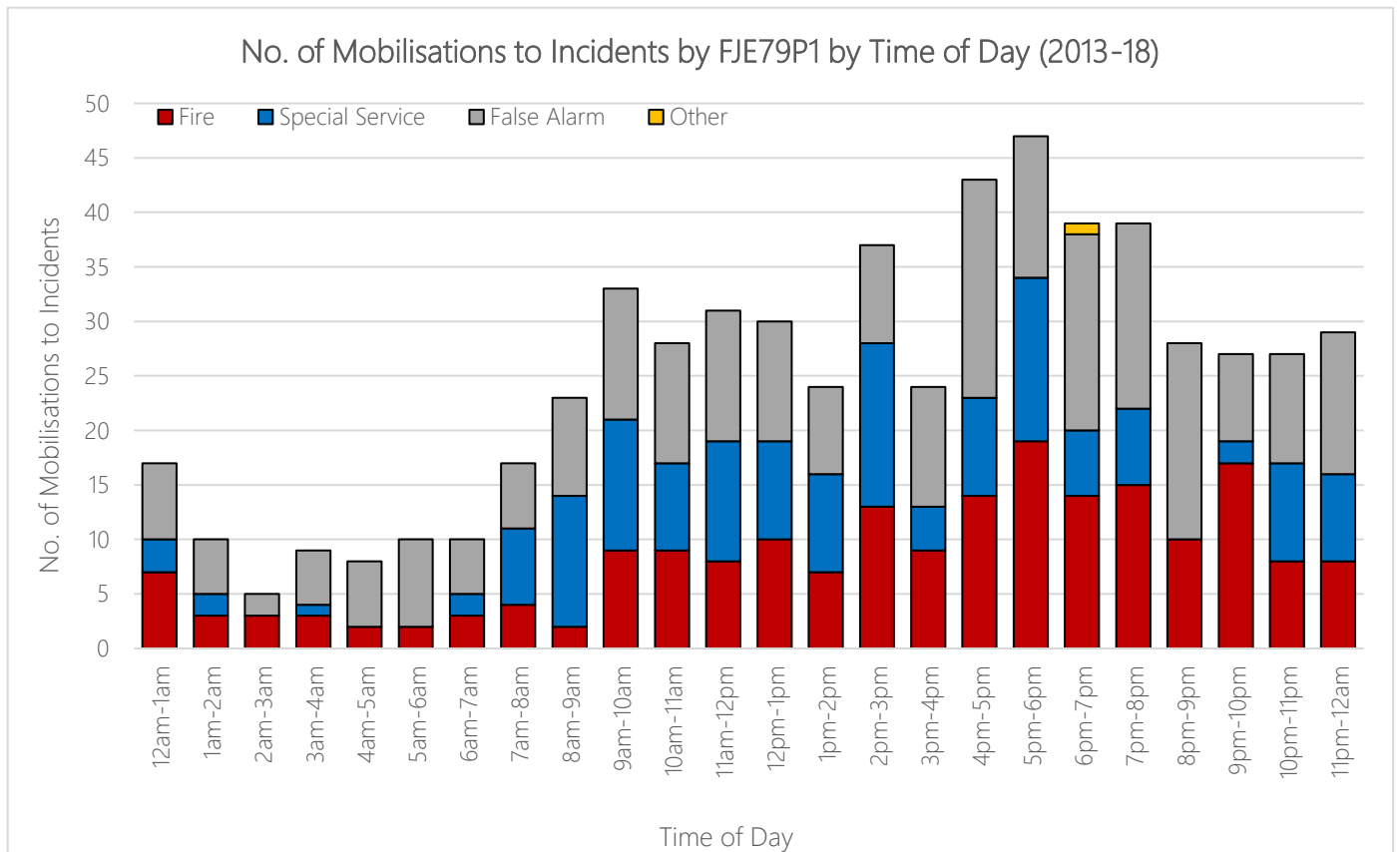
The following table shows the number of mobilisations each Herstmonceux appliance has mobilised to an incident. Over the past 9 years the number of incidents attended by ESFRS have reduced by 24%. In the same period, the number of mobilisations of FJE79P1 have increased by 35%. This ranks FJE79P1 2<sup>nd</sup> out of the 33 pumping appliances for greatest percentage increase in mobilisations to incidents. However, this isn't necessarily an increase in incidents but rather an increase in its availability over the period.

### Mobilisations to Incidents per year by Appliance

Appliance	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	% increase / decrease
FJE79P1	107	95	86	141	139	136	75	101	144	35
All ESFRS Incidents	12,759	11,675	10,376	9,516	9,772	9,090	9,215	9,405	9,737	-24



The following chart(s) show the incidents to which the Herstmonceux appliance(s) have mobilised to by time of day.



The following tables illustrate the types of incidents to which each Herstmonceux appliance has mobilised to over the past 5 years. FJE79P1 mobilises to a higher proportion of fire incidents compared with the rest of ESFRS – approximately 12% more, but proportionally 7% fewer false alarms and 3% fewer special service incidents.

#### Mobilisations to Incidents by Appliance (Apr 2013 - Mar 2018)

Incident Type	FJE79P1	%	All ESFRS Incidents	%
Fire	199	33.4	10,263	21.7
Special Service	151	25.4	13,332	28.2
False Alarm	244	41.0	22,838	48.4
Other	1	0.2	786	1.7
All Incident Types	595	-	47,219	-

## Detailed Breakdown of Incident Types by Appliance (Apr 2013 - Mar 2018)

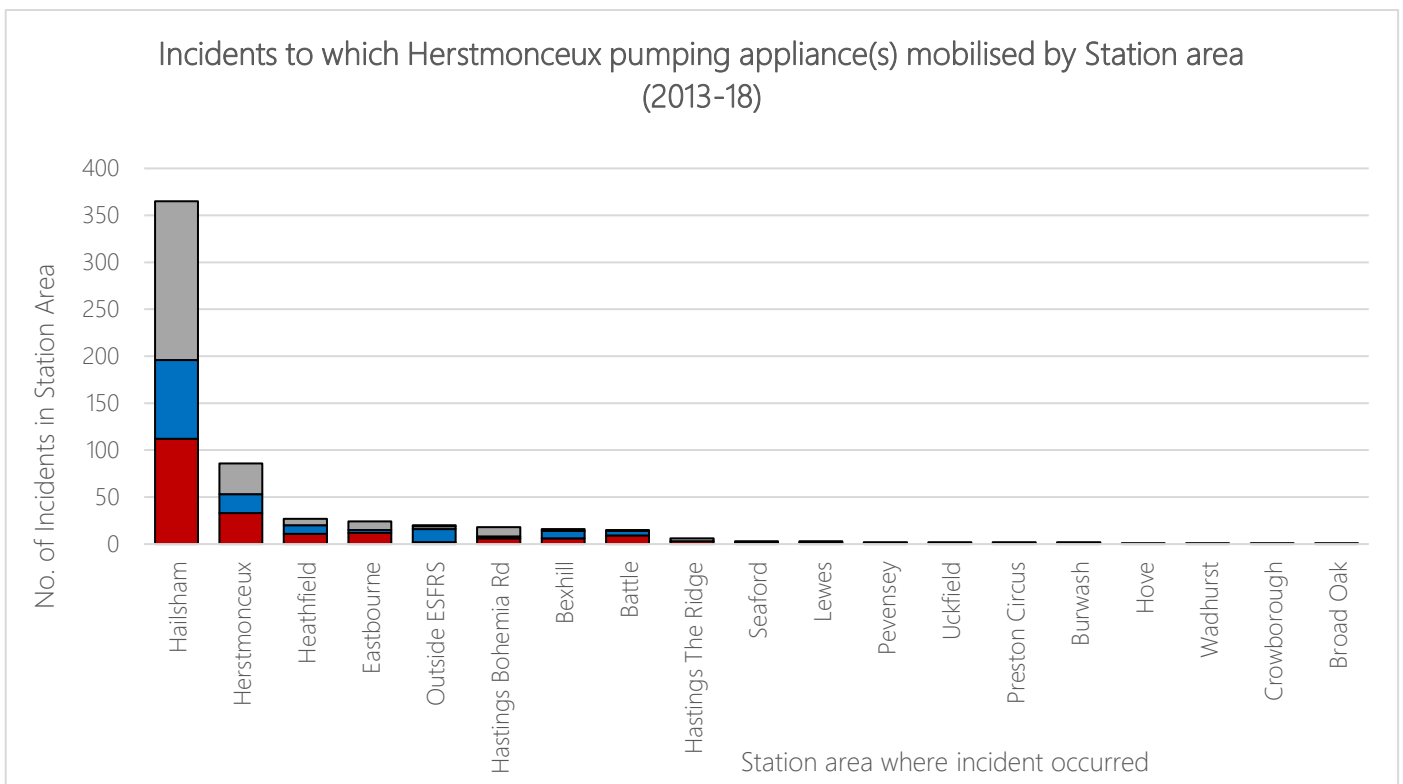
Incident Type	FJE79P1	%	All ESFRS Incidents	%
Primary Fire - Dwelling	68	11.4	2,871	6.1
Primary Fire - Non Residential	36	6.1	984	2.1
Primary Fire - Other Residential	6	1.0	265	0.6
Primary Fire - Other transport vehicle	0	0.0	14	0.0
Primary Fire - Outdoor	12	2.0	396	0.8
Primary Fire - Road Vehicle	19	3.2	1,256	2.7
Chimney Fire	21	3.5	717	1.5
Secondary Fire - Dwelling	0	0.0	25	0.1
Secondary Fire - Non Residential	3	0.5	64	0.1
Secondary Fire - Other Residential	0	0.0	0	0.0
Secondary Fire - Other transport vehicle	0	0.0	2	0.0
Secondary Fire - Outdoor	33	5.5	3,561	7.5
Secondary Fire - Road Vehicle	1	0.2	58	0.1
Fire - Classification Not Recorded	0	0.0	50	0.1
Special Service - Advice Only	1	0.2	150	0.3
Special Service - Animal assistance incidents	10	1.7	1,050	2.2
Special Service - Assist other agencies	7	1.2	767	1.6
Special Service - Effecting Entry/Exit	10	1.7	1,817	3.8
Special Service - Evacuation (no fire)	0	0.0	13	0.0
Special Service - Flooding	14	2.4	1,956	4.1
Special Service - Hazardous Materials	1	0.2	133	0.3
Special Service - Lift Release	4	0.7	1,728	3.7
Special Service - Making Safe (not RTC)	7	1.2	834	1.8
Special Service - Medical Incident	0	0.0	101	0.2
Special Service - No action (not false alarm)	5	0.8	325	0.7
Special Service - Other rescue/release of persons	3	0.5	447	0.9
Special Service - Other Transport	2	0.3	136	0.3
Special Service - Removal of objects from people	1	0.2	261	0.6
Special Service - Removal of people from objects	1	0.2	146	0.3
Special Service - Rescue or evacuation from water	3	0.5	43	0.1
Special Service - RTC	71	11.9	2,374	5.0
Special Service - Spills and Leaks (not RTC)	2	0.3	495	1.0
Special Service - Stand By	0	0.0	6	0.0
Special Service - Suicide	0	0.0	71	0.2
Special Service - Unknown	9	1.5	471	1.0
Special Service - Water provision	0	0.0	8	0.0
False Alarm - Apparatus	149	25.0	15,820	33.5
False Alarm - Good Intent	90	15.1	6,255	13.2
False Alarm - Malicious	3	0.5	601	1.3
False Alarm - Unknown	2	0.3	162	0.3
Other	1	0.2	786	1.7
<b>Total</b>	<b>595</b>	<b>-</b>	<b>47,219</b>	<b>-</b>

The following table demonstrates the number of times each pumping appliance at Herstmonceux has been mobilised to an incident between 2013 and 2018, broken down by the station area to which it was mobilised. This includes incidents where the Herstmonceux appliance(s) may not have arrived at the incident due to being stood-down en-route.

**No. of mobilisations to ALL incidents (Apr 2013- March 2018)**

Station Area	FJE79P1		
	5 Year Total (2013-18)	Ave. Per Year	% by Station Area
Battle	15	3	2.5
Bexhill	16	3	2.7
Broad Oak	1	0	0.2
Burwash	2	0	0.3
Crowborough	1	0	0.2
Eastbourne	24	5	4.0
Hailsham	365	73	61.3
Hastings Bohemia Rd	18	4	3.0
Hastings The Ridge	6	1	1.0
Heathfield	27	5	4.5
<b>Herstmonceux</b>	<b>86</b>	<b>17</b>	<b>14.5</b>
Hove	1	0	0.2
Lewes	3	1	0.5
Pevensey	2	0	0.3
Preston Circus	2	0	0.3
Seaford	3	1	0.5
Uckfield	2	0	0.3
Wadhurst	1	0	0.2
Outside ESFRS	20	4	3.4
<b>Grand Total</b>	<b>595</b>	<b>119</b>	<b>100.0</b>

It can be seen that the FJE79P1 is mobilised to an incident, on average, 119 times per year and on 15% of occasions, this is to its own station area. 61% of occasions it is into Hailsham station area, 5% into Heathfield. Between April 2013 and March 2018 there have been 595 mobilisations to incidents by a Herstmonceux appliance, as shown in the graph below.



N.B. The overborder figure may be higher as these figures are calculated from data held within ESFRS Incident Recording System only. For over-border incidents where both Herstmonceux and an over-border FRS attend, the incident is recorded in the over-border FRS's Incident Recording System.

The following table demonstrates the number of times each pumping appliance at Herstmonceux has been mobilised to a critical incident between 2013 and 2018, broken down by the station area to which it was mobilised. This includes incidents where the Herstmonceux appliance(s) may not have arrived at the incident due to being stood-down en-route. 79P1 mobilises to a critical incident, on average, 11 times per year and on 14% of occasions, this is within the Herstmonceux station area. 66% of occasions it is within Hailsham station area and on 11% of occasions it is in Heathfield.

**No. of mobilisations to CRITICAL incidents (Apr 2013 – Mar 2018)**

No. of Mobilisations to Critical Incidents	Appliance Callsign	Battle	Bexhill	Burwash	Eastbourne	Hailsham	Heathfield	Herstmonceux	Grand Total
5 Year Total (2013-18)	FJE79P1	1	2	1	1	37	6	8	56
Ave. Per Year	FJE79P1	0	0	0	0	7	1	2	11
% by Station Area	FJE79P1	1.8	3.6	1.8	1.8	66.1	10.7	14.3	100.0

The table(s) below show the performance over 5 years of each pumping appliance when it is the first arriving appliance at an incident. Attendance times are calculated from time of call to time of arrival of the first fire appliance. Given that our attendance standards for the first-arriving fire appliance are:

- On-station response: 10 minutes 70% of occasions
- On-call response: 15 minutes 70% of occasions

It can be seen that over the last 5 years, FJE79P1 has reached 66% of all incidents within 15 minutes and 70% of critical incidents within 15 minutes.

**Incidents attended within X minutes by FJE79P1 where first-arriving appliance (Apr 2013 – Mar 2018)**

Performance of FJE79P1 as first arriving appliance	< 5 mins	< 8 mins	< 10 mins	< 13 mins	< 15 mins	< 20 mins	Total Incidents
All Incidents	9 (3%)	33 (10%)	63 (19%)	135 (41%)	219 (66%)	297 (90%)	331
Critical Incidents	1 (5%)	1 (5%)	7 (35%)	9 (45%)	14 (70%)	17 (85%)	20

The table below shows appliance availability between April 2009 and March 2018. The data is calculated on unavailability due to staffing and does not include when appliances are off-the-run due to mechanical issues.

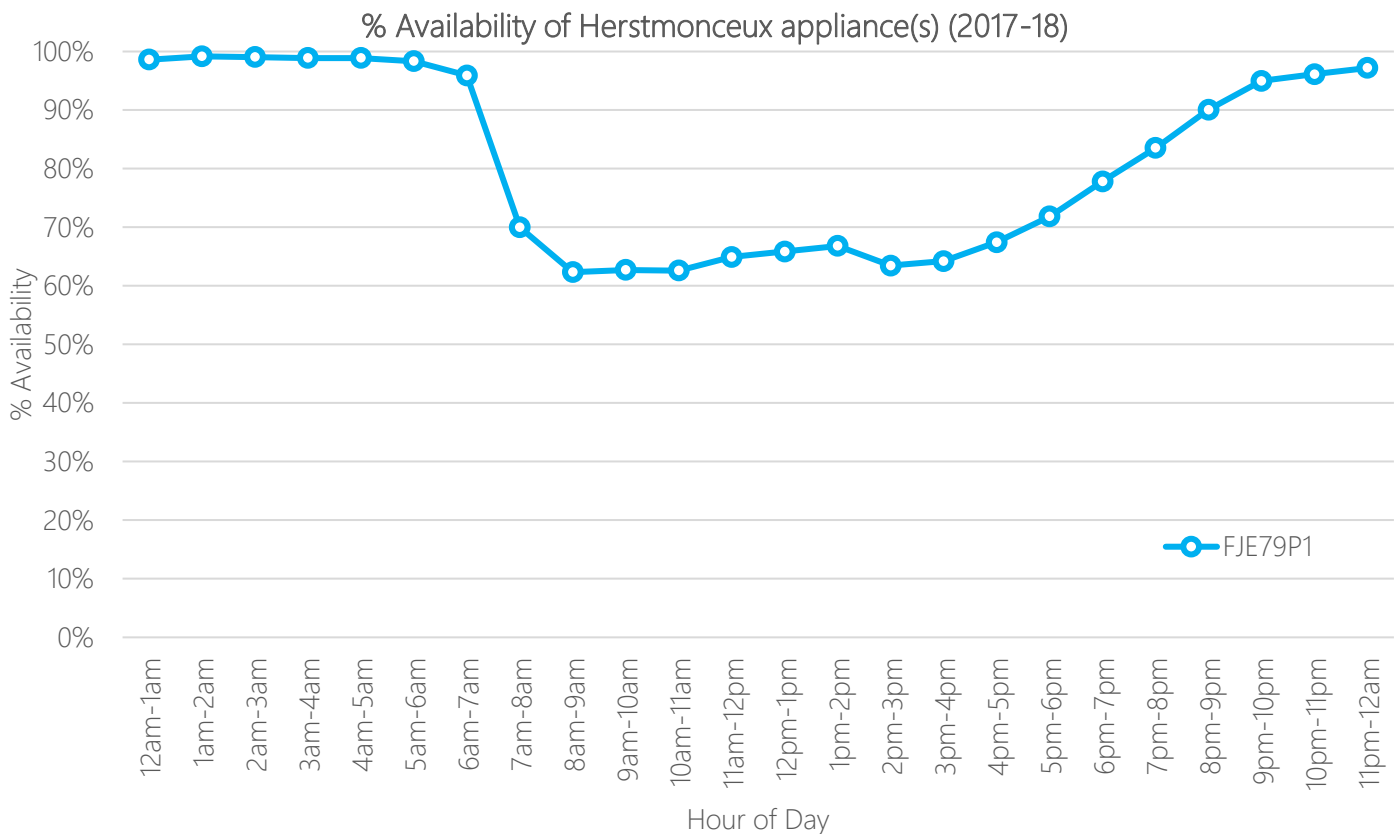
It can be seen that the availability of FJE79P1 has changed dramatically over the 9 year period, improving from 2009-2013 before a dip in availability between 2013-2015. However, the past 3 years has seen a consistent improvement in availability and is now available approximately 81% of the time.

**Appliance Availability**

Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE79P1	62.6	68.0	69.7	91.6	92.4	88.5	74.1	70.2	81.3

The chart below shows the percentage availability of the appliance(s) at Herstmonceux for each hour of the day during the most recent year (2017/18).

It can be seen that availability of FJE79P1 dips significantly between 6am and 8pm where it is available, on average, 63% of the time, before rising again to a maximum of almost 100% availability between midnight and 5am.



### OTB attendances into Herstmonceux (where ESFRS did not attend)

There have been no over border attendances by other FRs into Herstmonceux station area where ESFRS did not attend.

### Standby cover moves

The following section provides details of standby moves between April 2009 and March 2018. Please note, the figures do not represent actual incidents where we have attended (e.g. standby no action). Rather, the figures below constitute the non-emergency cover moves that are made as part of SCC fire cover and policy decisions.

Herstmonceux appliances made 387 standby moves between April 2009 and March 2018, accounting for 3.8% of all standby moves for ESFRS. Overall, the number of standbys has been increasing, with a sharp increase in 2016/17 and particularly 2017/18. The number of standbys is over 8 times higher in 2017/18 compared to 2009/10.

Standbys (% Service Wide Within Year)										
	2009/ 10	2010/1	2011/1	2012/1	2013/1	2014/1	2015/1	2016/1	2017/1	Grand Total
Herstmonceux	14 (1.8%)	9 (1.1%)	19 (2.2%)	20 (2.1%)	45 (4.5%)	51 (6.1%)	42 (3.9%)	67 (4.3%)	120 (5.2%)	387 (3.8%)
ESFRS Total	773	795	877	947	1,010	835	1,086	1,556	2,301	10,180

31% of Herstmonceux's standbys are in Battle. This means that 18% of all the standbys at Battle were by Herstmonceux. A further 23% of standbys by 79P1 were into Bexhill area (17% of all standbys in Bexhill) and a further 16% of standbys was into Bohemia Rd (4% of all standbys at Bohemia Road). Herstmonceux appliances have also been called to standby at Eastbourne, The Ridge, Lewes and Uckfield station areas among others.

Standby Locations (% Within Area / Appliance)		
Standby Location	79P1	Total Standbys at Location
Battle	118 (30.5%)	659
Bexhill	88 (22.7%)	522
Hastings Bohemia	63 (16.3%)	1495
Eastbourne	43 (11.1%)	669
Hastings Ridge	29 (7.5%)	1245
Lewes	14 (3.6%)	1142
Uckfield	13 (3.4%)	730
Crowborough	7 (1.8%)	598
Newhaven	4 (1%)	507
Roedean	3 (0.8%)	1272
Rye	2 (0.5%)	258
Hove	1 (0.3%)	450
Preston Circus	1 (0.3%)	371
Heathfield	1 (0.3%)	23
Total	387	-

### Special Appliances

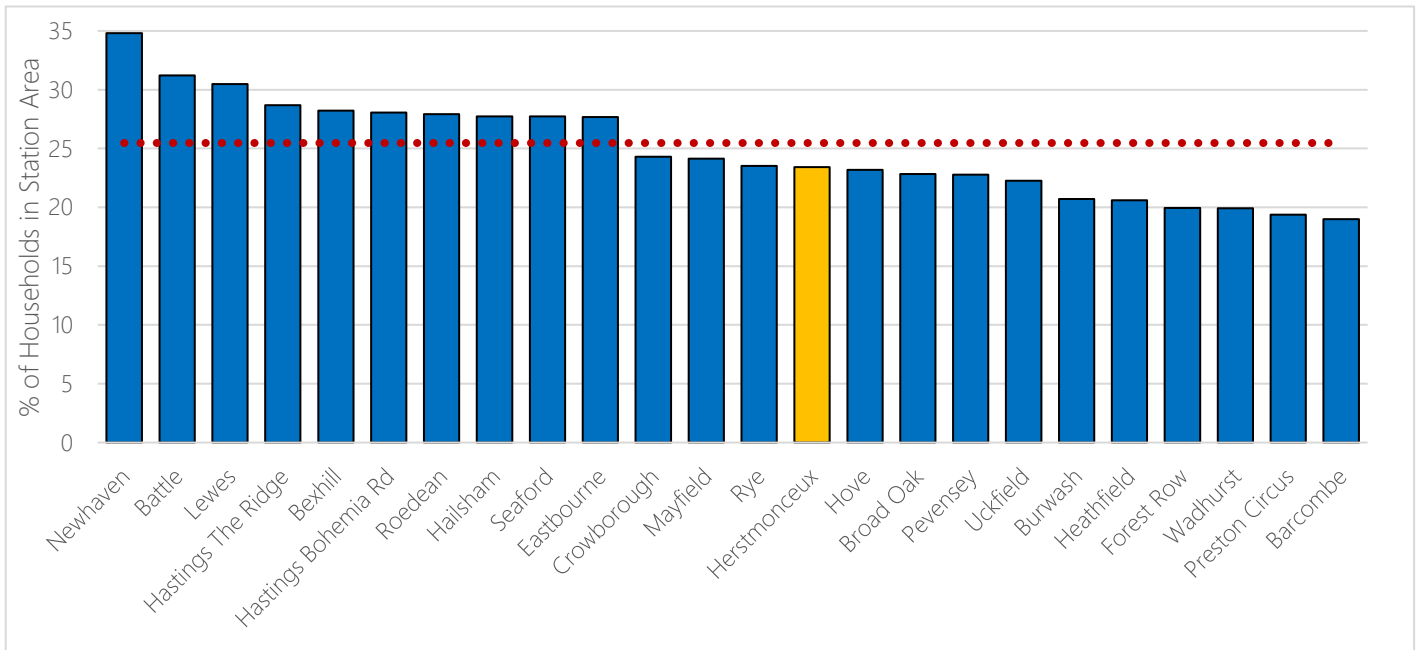
There are no special appliances based at Herstmonceux fire station.



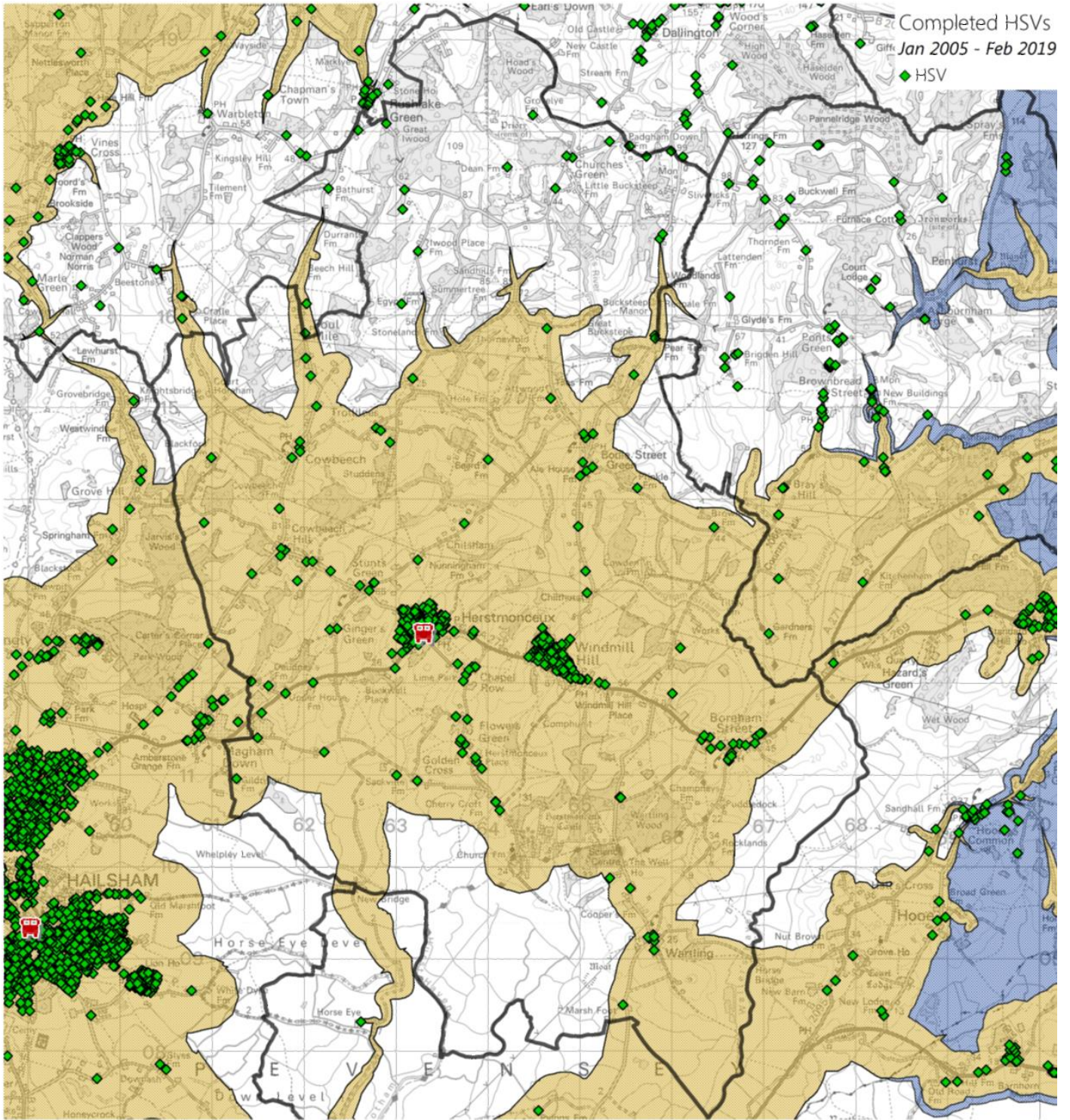
# Prevention – Home Fire Safety

Between January 2005 and February 2019, a total of 490 HSVs have been undertaken within Herstmonceux Station Admin area. These figures includes re-visits to the same property over the years. This equates to 377 unique households which have had a Home Safety Visit.

Over the last five years (Apr 2013 – Mar 2018), an average of 49 HSVs were undertaken each year – making up approximately 0.5% of all HSVs undertaken across the ESFRS area. 4.5% of HSVs undertaken in Herstmonceux station area sit outside the attendance standards isochrone – these being located in the north of the station area. This is slightly lower with the proportion of households that fall outside of the isochrone (7%). 23.4% of all households in Herstmonceux station area have had a Home Safety Visit; slightly below the ESFRS total of 25.5%.



Total No. of HSVs completed in Herstmonceux Station Area (Jan 2005 – Feb 2019)



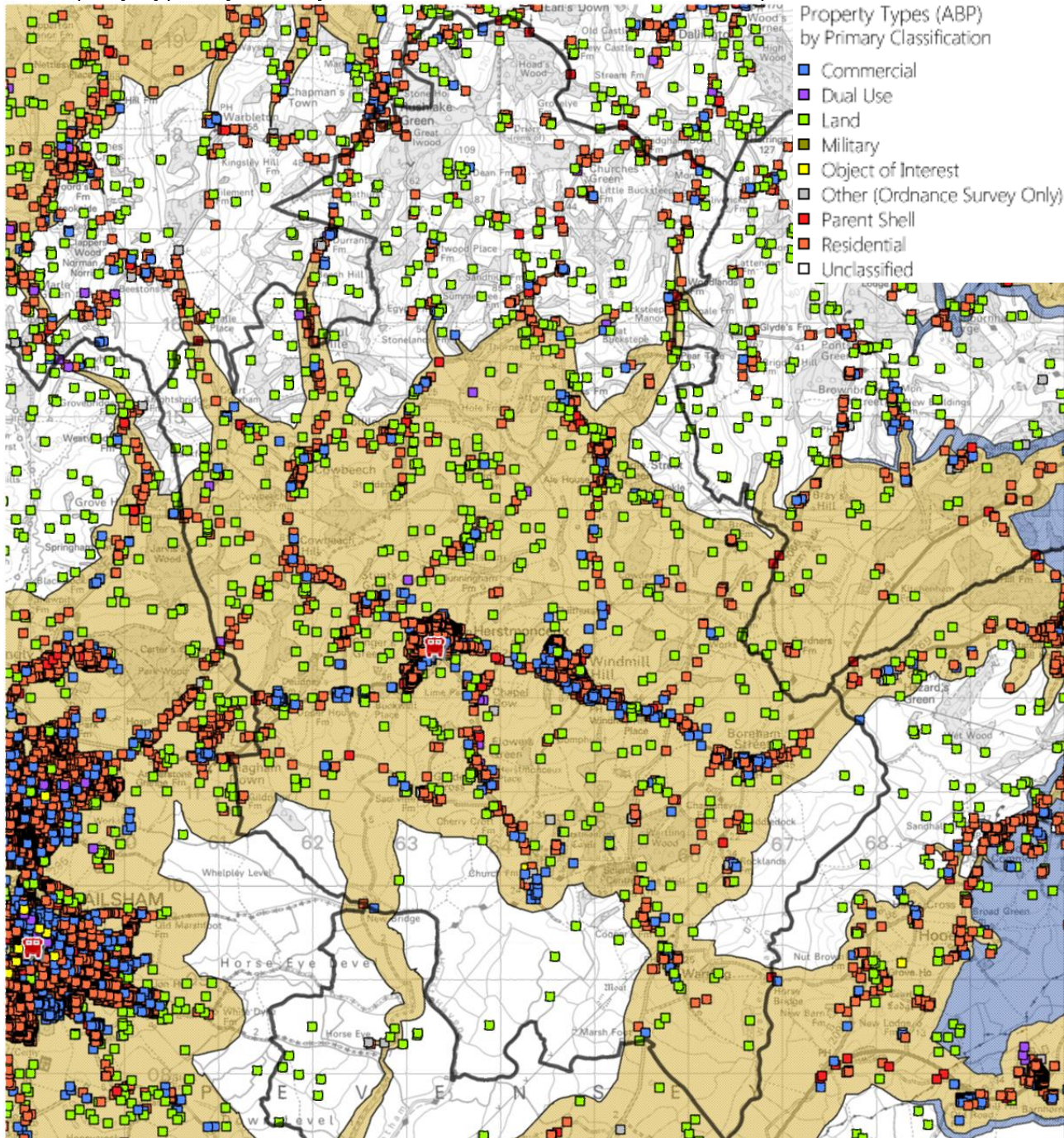




## Protection – Business Safety

The map below shows all addressable objects, as found in AddressBase Premium (ABP). AddressBase Premium is the most current, comprehensive and accurate geographic dataset available of addresses, properties and land areas where services are provided. Properties that have been demolished and those yet to be built have been excluded from this dataset. Using ABP, allows us to identify all commercial properties, based on the primary classification of the property.

All Property Types by Primary Classification (AddressBase Premium Epoch 62)



Station Admin Area	Total No. of Commercial Properties	Within Attendance Standard (Day)	%	Within Attendance Standard (Night)	%
Herstmonceux	293	275	93.6	275	93.6

BLPU State: In use, Unoccupied, Unknown or Not Applicable, Logical Status: Approved, Primary Classification: Commercial, Distinct UPRN: Yes

Around 6% of commercial properties were found to be outside of the attendance standards isochrones. Again, these were in the far north of the station area.

### Property Types with higher societal life risk (FSEC A through G).

Hospital	Care Home	Hostel	Hotel
0	1	0	1

Based on ABP Epoch 62 Classification.

HMOs, Purpose-Built Flats and Houses Converted to flats are not shown here as not all are classified in this way in ABP

The following table illustrates the total number of Business Safety Audits that have been undertaken across Herstmonceux Station area. An average of 1 Business Safety Audit is completed per year, which makes up approximately 0.2% of audits undertaken by ESFRS each year.

### Business Safety Audits by Property Type (% within area)

All audits in CRM up to 04/2019 (Excludes 'In Progress')

Property Type	Herstmonceux	ESFRS
A - Hospitals & Prisons	0 (0%)	180 (2.4%)
B - Care Home	2 (4.7%)	1,595 (21.4%)
D - Purpose Built Flats > 3 Stories	0 (0%)	398 (5.4%)
E - Hostel	0 (0%)	139 (1.9%)
F - Hotel	14 (32.6%)	1,379 (18.5%)
G - House Converted to Flats	4 (9.3%)	240 (3.2%)
H - Other Sleeping Accom.	16 (37.2%)	1,009 (13.6%)
J - Further Education	0 (0%)	31 (0.4%)
K - Public Building	0 (0%)	25 (0.3%)
L - Licensed Premises	1 (2.3%)	890 (12%)
M - School	1 (2.3%)	148 (2%)
N - Shop	0 (0%)	562 (7.6%)
P - Other Public Premises	4 (9.3%)	231 (3.1%)
R - Factory/Warehouse	1 (2.3%)	147 (2%)
S - Office	0 (0%)	216 (2.9%)
T - Other Workplace	0 (0%)	87 (1.2%)
W - Land & Sea	0 (0%)	16 (0.2%)
Z - Single Private Dwelling	0 (0%)	143 (1.9%)
<b>Total</b>	<b>43</b>	<b>7,436</b>

### Business Safety Audits by Year

Station Area	2013/14	2014/15	2015/16	2016/17	2017/18	Total	Ave. per Yr	%
Herstmonceux	3	2	0	1	0	6	1	0.2



# Developments

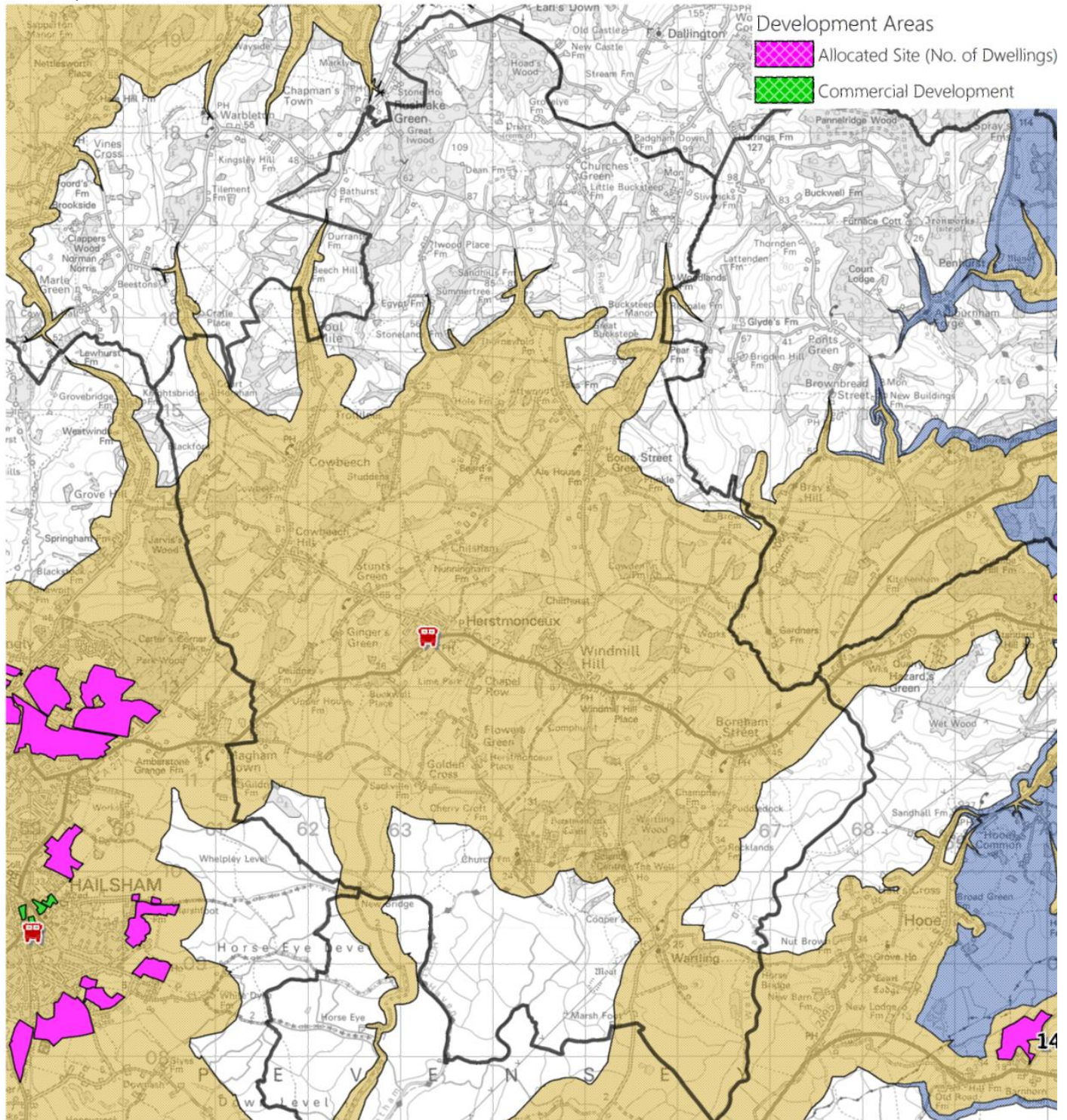
## Residential

Details of residential development site allocations have been provided from the local planning office and are shown on the map below. It can be seen that there are no planned residential developments in the station area, although there is substantial developments to the west in Hailsham.

## Commercial

There are no commercial planning developments in Herstmonceux station area.

### Development areas – allocated sites





## Road Risk

All UK roads (excluding motorways) fall into the following four categories:

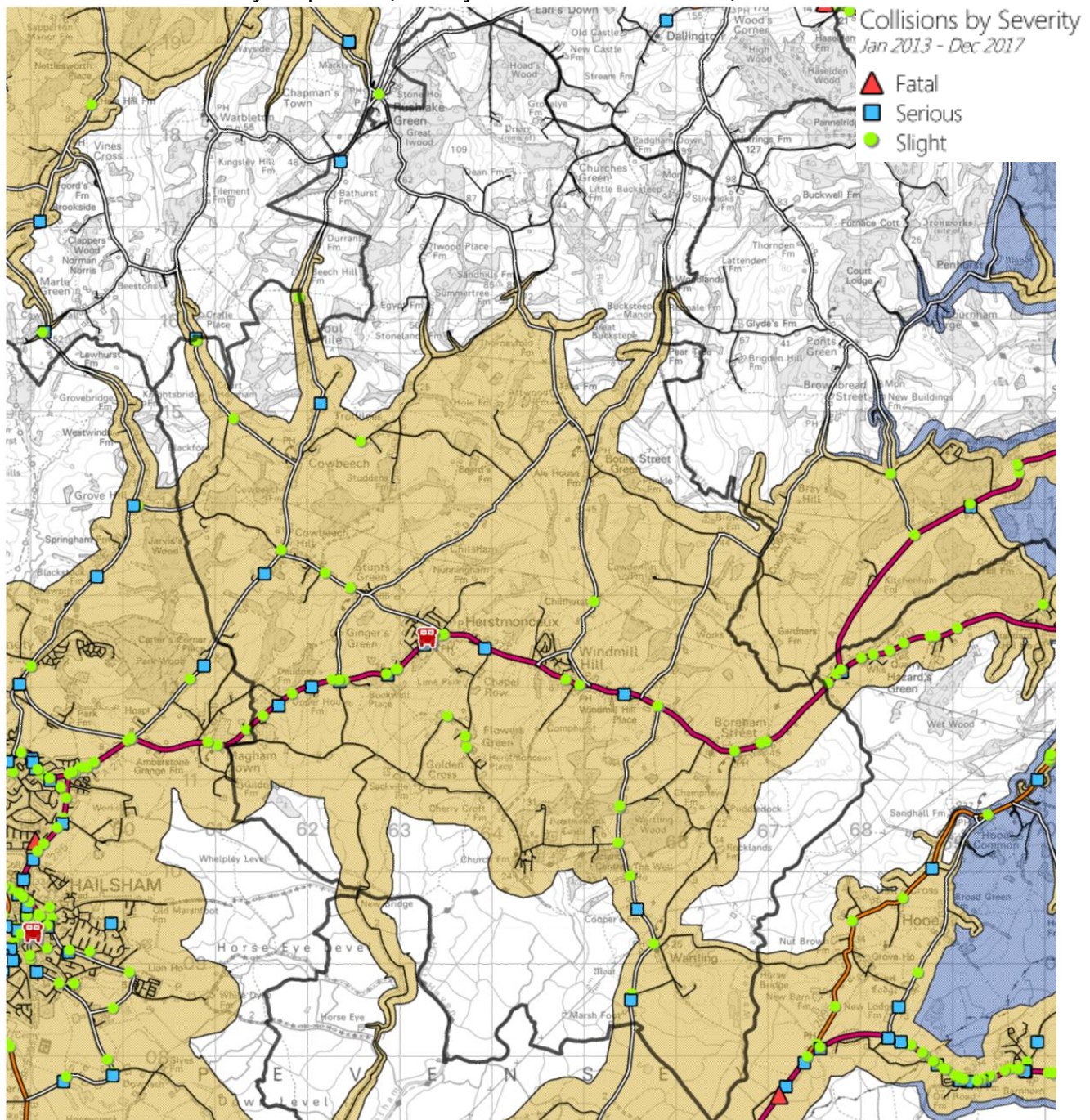
- **A roads** – major roads intended to provide large-scale transport links within or between areas.
- **B roads** – roads intended to connect different areas, and to feed traffic between A roads and smaller roads on the network.
- **Classified unnumbered** – smaller roads intended to connect together unclassified roads with A and B roads, and often linking a housing estate or a village to the rest of the network. Similar to ‘minor roads’ on an Ordnance Survey map and sometimes known unofficially as C roads.
- **Unclassified** – local roads intended for local traffic. The vast majority (60%) of roads in the UK fall within this category.

The following table shows the total length of Road within Herstmonceux Station area, broken down by Road type. There is approximately 96km of Road within Herstmonceux station area, only 7% of which are A Roads. There are significantly greater proportions of ‘C’ Roads and Unclassified roads, compared with the ESFRS average. However, this makes sense as Herstmonceux is largely rural with comparatively fewer roads.

Road Type	Herstmonceux	ESFRS
A Road	7km (7%)	521km (10%)
B Road	0km (0%)	302km (6%)
Classified Unnumbered	35km (36%)	759km (14%)
<b>Total Classified Roads</b>	<b>42km (43%)</b>	<b>3,779km (30%)</b>
Not Classified/Unclassified	55km (57%)	1,582km (70%)
<b>Total All Road Types</b>	<b>96km (100%)</b>	<b>5,361km (100%)</b>

ESFRS only attends around 25% of all road traffic collisions on ESFRS roads. Therefore, data from the Sussex Safer Road Partnership (SSRP) was sourced to understand the fuller picture of road (RTC) risk. The following map shows RTCs in Herstmonceux station area over a five year period (January 2013 – December 2017), broken down by severity.

## KSI Collisions over five year period (January 2013 – December 2017)



Collision Severity	Herstmonceux	ESFRS
Fatal	0 (0%)	112 (1.1%)
Serious	13 (26.5%)	2,235 (21%)
Slight	36 (73.5%)	8,307 (78%)
<b>Total</b>	<b>49</b>	<b>10,654</b>
<b>Ave. per Year</b>	<b>10</b>	<b>2,131</b>

There are, on average, 10 KSI collisions per year in Herstmonceux station area. 26.5% of collisions result in serious or fatal injuries and this proportion is 4.4% higher than ESFRS overall. Out of the 49 collisions, there was 1 that sits outside of the attendance standards isochrones, which resulted in a serious injury – this was near Rushlake Green. The SSRP data did not contain the time of the collision.

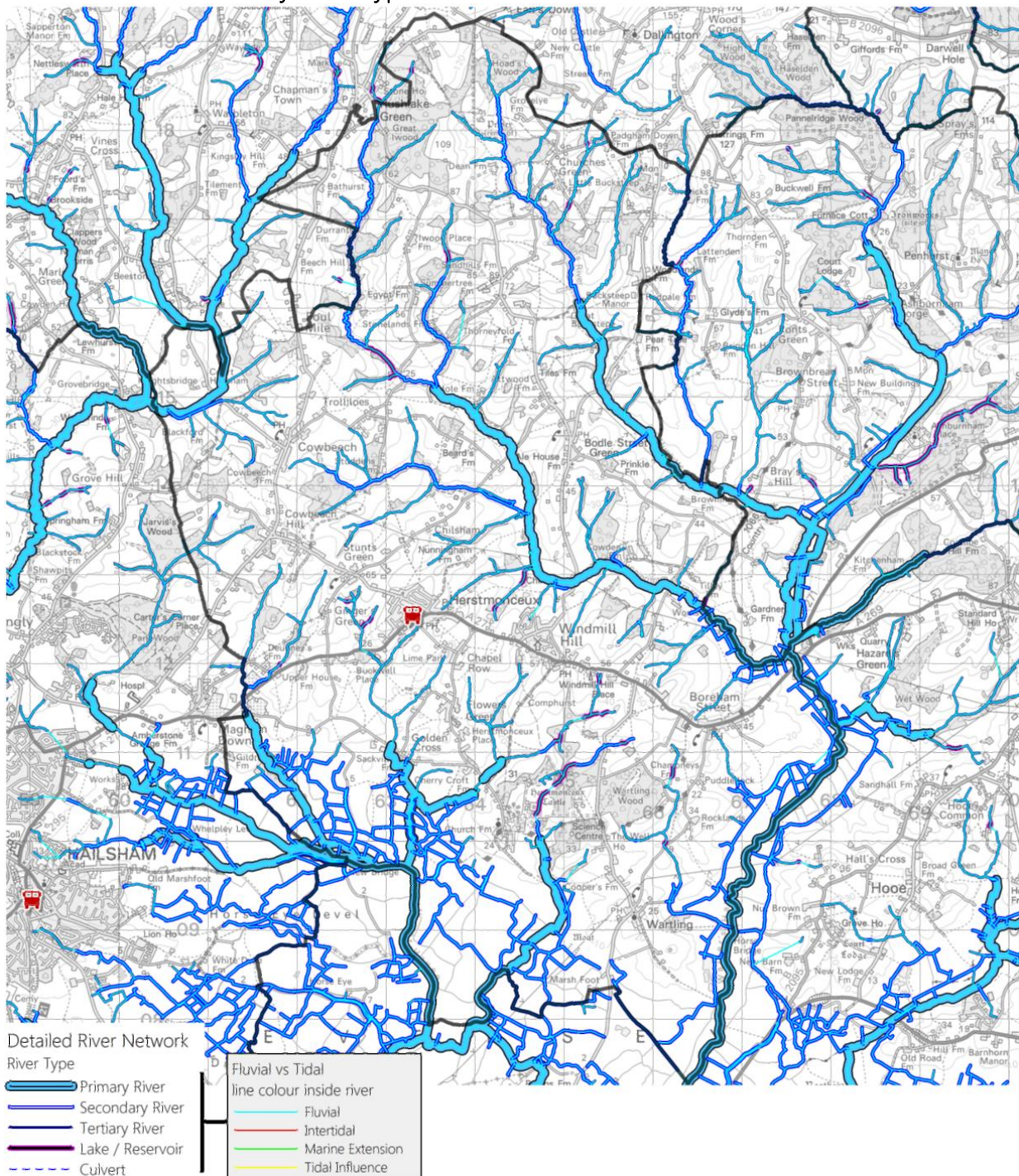


# Water Risk

The following map shows the Detailed River Network (DRN), which is a large-scale, accurate and fully attributed digital river centreline covering England and Wales. The DRN is captured from the water features theme of the OS MasterMap topographic layer and built into a network using automated rules. Other input datasets and extensive local Environment Agency (EA) staff knowledge has been used to augment the core geometry to incorporate critical spatial detail and attribution, such as flow direction and path, not available from the OS mapping and to verify the accuracy of the centreline itself.

Primary Rivers are usually larger rivers and streams; the secondary and tertiary rivers are 'ordinary watercourses'. The EA carries out maintenance, improvement or construction work on Main Rivers to manage flood risk. Lead local flood authorities, district councils and internal drainage boards carry out flood risk management work on ordinary watercourses.

## Detailed River Network by River Type



The table below shows the total length of rivers by type and whether the river is fluvial or tidal. It can be seen that there are 165km of rivers within the Herstmonceux station area, which makes up approximately 4.2% of all rivers across the ESFRs area. This ranks Herstmonceux station area as 14 out of the 24 station areas.

Herstmonceux has 31km of primary rivers, which is the 10<sup>th</sup> highest proportion of primary rivers compared to other ESFRS areas (4.6%) and ranks 7<sup>th</sup> place for the percentage of secondary rivers in its area (5.7% of all secondary rivers).

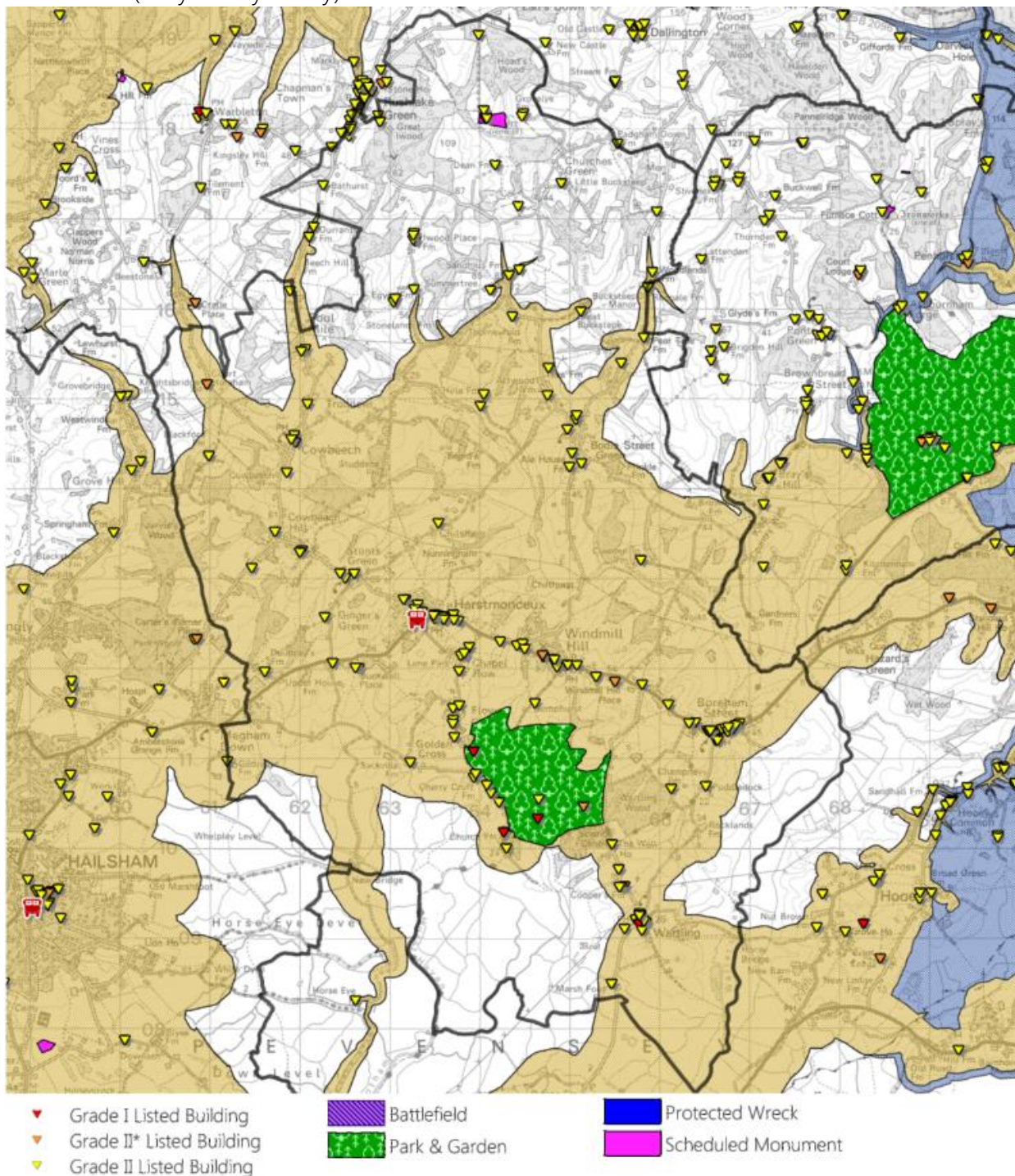
There are no tidal or intertidal rivers in Herstmonceux station area.

Herstmonceux station boundary is land-locked, so does not have any coastline.

River Type	Fluvial vs Tidal	Herstmonceux River Length (km)	%	ESFRS River Length	%
Primary River	Fluvial	30.73	18.6	613.07	15.6
Primary River	Intertidal	0.00	0.0	2.02	0.1
Primary River	Marine Extension	0.00	0.0	6.25	0.2
Primary River	Tidal Influence	0.00	0.0	41.19	1.0
<i>Total Primary</i>		<i>30.73</i>	<i>18.6</i>	<i>662.53</i>	<i>16.9</i>
Secondary River	Fluvial	64.28	39.0	1,129.06	28.8
Secondary River	Intertidal	0.00	0.0	0.58	0.0
Secondary River	Tidal Influence	0.00	0.0	0.97	0.0
<i>Total Secondary</i>		<i>64.28</i>	<i>39.0</i>	<i>1,130.62</i>	<i>28.8</i>
Tertiary River	Fluvial	65.58	39.8	1,899.39	48.4
Tertiary River	Intertidal	0.00	0.0	2.37	0.1
Tertiary River	Marine Extension	0.00	0.0	6.22	0.2
Tertiary River	Tidal Influence	0.00	0.0	0.24	0.0
<i>Total Tertiary</i>		<i>65.58</i>	<i>39.8</i>	<i>1,908.22</i>	<i>48.6</i>
Lake / Reservoir	Fluvial	2.41	1.5	111.25	2.8
Culvert	Fluvial	1.93	1.2	111.24	2.8
<i>Total Fluvial</i>		<i>164.92</i>	<i>100.0</i>	<i>3,864.01</i>	<i>98.5</i>
<i>Total Intertidal</i>		<i>0.00</i>	<i>0.0</i>	<i>4.97</i>	<i>0.1</i>
<i>Total Marine Extension</i>		<i>0.00</i>	<i>0.0</i>	<i>12.47</i>	<i>0.3</i>
<i>Total Tidal Influence</i>		<i>0.00</i>	<i>0.0</i>	<i>42.40</i>	<i>1.1</i>
<b>Grand Total</b>		<b>165</b>	<b>100</b>	<b>3,923.85</b>	<b>100</b>

## Heritage Risk

The following map shows the location of different types of heritage risk dispersed across the station area. The majority of heritage risk is within the attendance standards isochrones – around 15% sit outside, situated in the north of the station area. These are mostly listed farmhouses, although there is a scheduled monument (Holy Trinity Priory) which is well outside of the attendance standards isochrones.



Grade	# in Area	Within Attendance Standard (Day)	%	Within Attendance Standard (Night)	%
I	4	4	100.0	4	100.0
II*	8	6	75.0	6	75.0
II	154	130	84.4	130	84.4
<b>Total</b>	<b>166</b>	<b>140</b>	<b>84.3</b>	<b>140</b>	<b>84.3</b>





## Environmental Risk

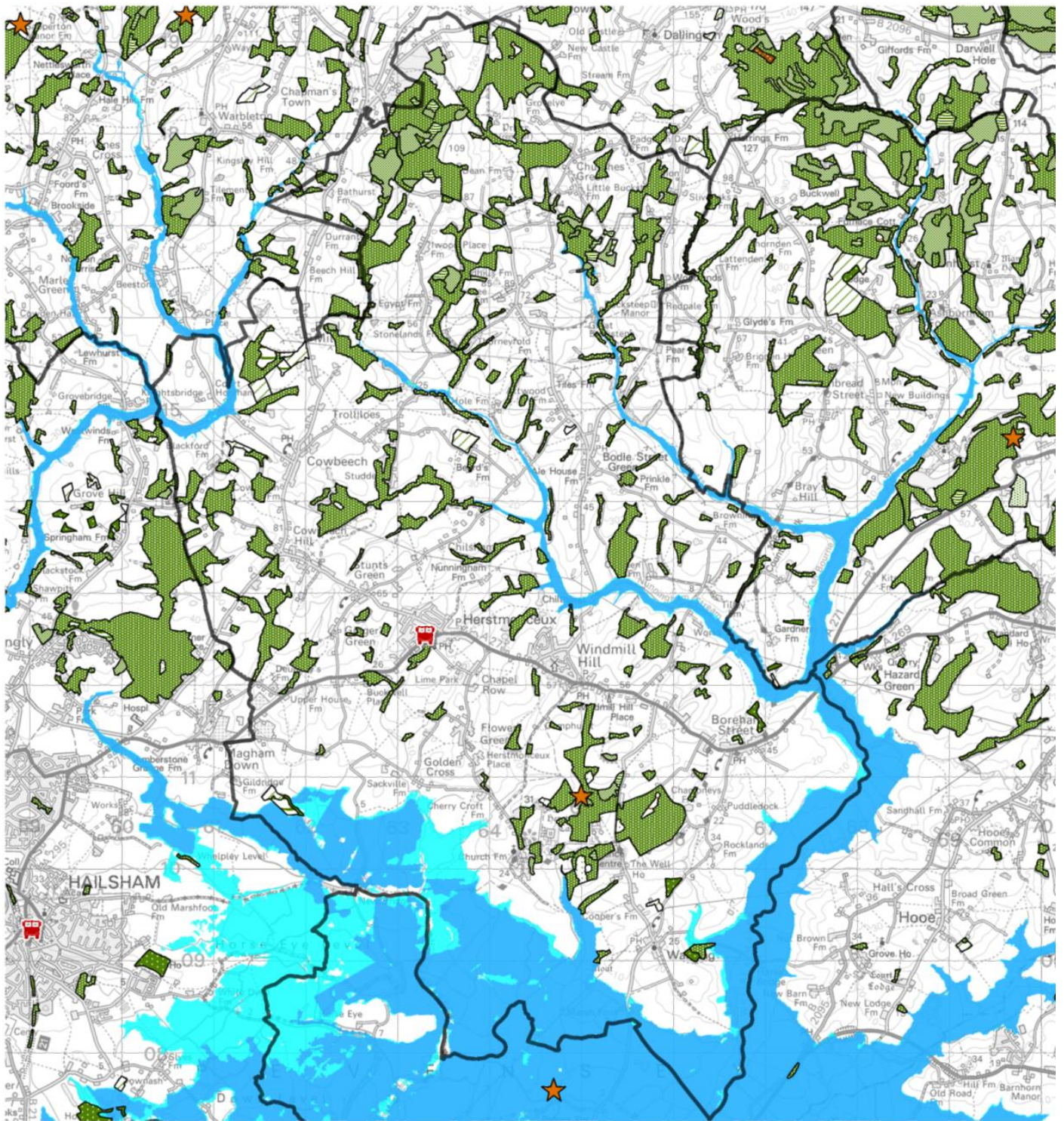
The following map shows a breakdown of various environmental risks across Herstmonceux station area. Due to south of the station area being low-lying (the extension of Pevensey/Hooe Levels), there are areas that are covered by the Environment Agency's Flood Zone data.

*Flood Zone 2 represents land that has been assessed as having between a 1%-0.1% annual probability of river flooding, or between 0.5%-0.1% annual probability of sea flooding in any year.*

*Flood Zone 3 represents land that has been assessed as having a >1% annual probability of river flooding, or a >0.5% annual probability of sea flooding in any year.*

There is, on average, 1 incident per year in Herstmonceux station area classified as "special service – flooding". This equates to 4.5% of all incidents in Herstmonceux and in line with the ESFRS proportion of 4.2% per year.

There 1 biological Site of Special Scientific Interest (SSSIs) in Herstmonceux station area and this is Herstmonceux Park. This is within the attendance standards isochrone. The northern section of the station area has a lot of broadleaved woodland interspersed with coniferous woodland.



Site of Special Scientific Interest

- Local Nature Reserve
- SSSI Biological
- SSSI Geological
- SSSI Mixed

National Forest Inventory

- Non woodland
- Woodland

EA Flood Risk

- Flood zone 2
- Flood zone 3
- Area benefiting from flood defence

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: black; border: 1px solid black; margin-right: 5px;"></span> Agriculture land</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Assumed woodland</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: black; border: 1px solid black; margin-right: 5px;"></span> Bare area</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: radial-gradient(circle, black 1px, transparent 1px); background-size: 4px 4px; border: 1px solid black; margin-right: 5px;"></span> Broadleaved</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Conifer</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Coppice</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Coppice with standards</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: radial-gradient(circle, black 1px, transparent 1px); background-size: 4px 4px; border: 1px solid black; margin-right: 5px;"></span> Felled</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: white; border: 1px solid black; margin-right: 5px;"></span> Grassland</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: white; border: 1px solid black; margin-right: 5px;"></span> Ground prep</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(90deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Low density</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(90deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Mixed mainly broadleaved</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(90deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Mixed mainly conifer</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: white; border: 1px solid black; margin-right: 5px;"></span> Open water</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: white; border: 1px solid black; margin-right: 5px;"></span> Other vegetation</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(90deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Quarry</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(90deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Shrub</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(90deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Urban</li> <li><span style="display: inline-block; width: 15px; height: 15px; background: repeating-linear-gradient(90deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> Young trees</li> </ul> |
|--|--|



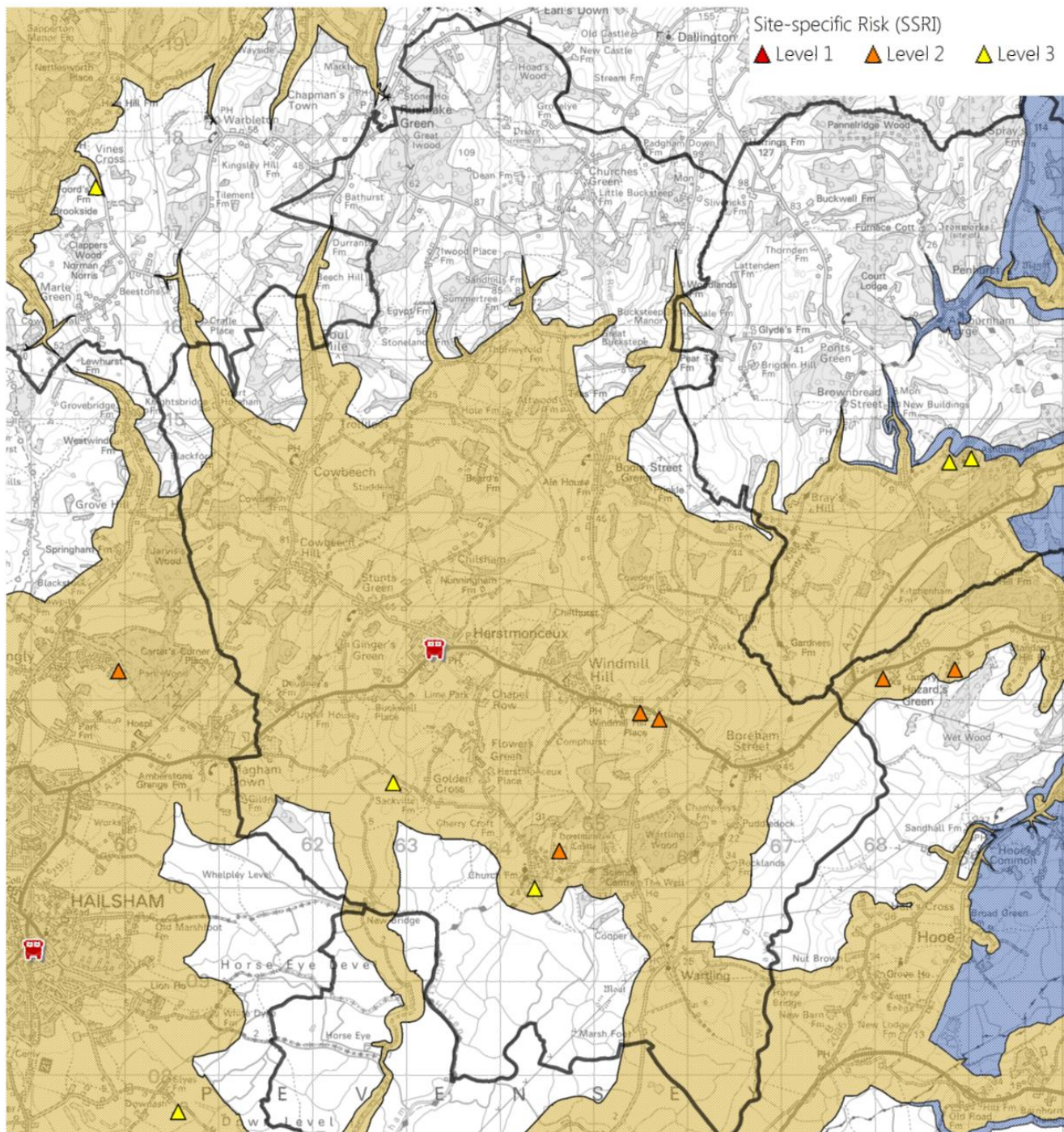
## Special Risk (Operational Risk)

### Site-Specific Risk Information (SSRI)

There are a total of 5 SSRIs (Levels 1-3) within the Herstmonceux Station Admin area, three of which are Level 2, as shown in the table below.

SSRI Risk	Herstmonceux	ESFRS
Level 1	0 (0.0%)	25 (3.1%)
Level 2	3 (60.0%)	294 (36.3%)
Level 3	2 (40.0%)	461 (56.9%)
<b>Total</b>	<b>5</b>	<b>810</b>

The map below shows the location of these SSRIs. These are located to the South/South-East of Herstmonceux and all 5 are within the attendance standard isochrone.



### High-Rise Risk

There are no high rise premises in Herstmonceux station area (properties  $\geq 6$  floors)

### Special Risk

There are no COMAH sites within Herstmonceux station area.

### Over border risks

Station area does not intersect other FRS boundary.



