Pevensey

Station Risk Profile

Contents

STATION RISK PROFILE v1.0 - OFFICIAL

Pevensey Station Area – Headline Summary

- Pevensey station area covers approximately **35 sq. km.**
- Area is predominately rural and not particularly deprived.
- Large part of station area is the low-lying Pevensey Levels.
- Operational cover provided by a single on-call fire engine.

- **11,768** residents within Pevensey station area.
- A net increase of **1,679** since 2011 Census.
- Low population density, weighted towards south and west of area.
- Higher proportions of older, retired people than ESFRS average.

- **100%** of households are within attendance standards.
- **60%** below average fire risk (socio-demographic).
- **5%** high/very fire risk.
- Marginally higher proportion of lone pensioners than ESFRS average.
- Significantly lower proportion of rented accommodation than ESFRS average.

Station area
- Incidents have decreased by **15%** since 2009 although last 3 years have seen slight increase.
- There are **73** incidents per year within Pevensey station area; **4th** quietest on-call area.
- **58%** during the day. Calls dip sharply from 9pm.
- Most fires in April; most special service calls in December.
- **0.5%** of incidents outside attendance standards isochrones (4th lowest proportion of all station areas).
- Proportionally more RTCs in area and fewer False Alarms compared to ESFRS.
- **5** critical life-risk incidents per year. Static trend.
- **58%** critical incidents during day.
- Pevensey area 2nd lowest for numbers of injuries and rescues.
- Attendance times, on average, slightly quicker than other on-call station areas, particularly for 2nd pump.
- 2 minute delay between 1st & 2nd appliance to dwelling fires – **6** minutes quicker than other on-call areas. Just over **3** minute lag time to RTC (**1.5** minutes quicker than other on-call areas).
- **72%** of incidents are attended by a single appliance.

- **53%** of 2nd pump attendances were by an Eastbourne pump, **22%** were by Pevensey itself, **12%** 80P1.
- **0** level 3+ incidents within last 9 years of review period.

Station appliance(s)
77P1
- Turn-out time is **04:55**. However, past three years **>6** minutes.
- Greatest variance in average turn-out time compared to all 33 pumping appliances (**02:39** variance).
- **50%** reduction in mobilisations over 9 years.
- Mobilises **87** times per year – **39%** in own area, **37%** in Eastbourne, **7%** in Bexhill area, 7**%** Hailsham.
- Attends **13%** more fires and **9%** fewer false alarms than ESFRS.
- Mobilises to **6** critical incidents per year –**29%** in own area, **49%** in Eastbourne, **10%** in Bexhill area.
- Attendance standard met **74%** of the time (**83%** critical).
- **50.2%** availability in 2017/18. Daytime availability around **35%**.

Standby moves
- **68** cover moves per year – **45%** in Eastbourne, **40%** in Bexhill, **10%** in Hastings area.

- **1,229** Home Safety Visits to unique properties undertaken.
- Approximately **23%** of all households in area have had a HSV.

- All commercial properties are inside attendance standards.
- **3** Business Safety Audits per year (**0** in 2017/18).
- **0** Hospital, **3** Care Homes & **2** Hotels in area.

- Residential growth, particularly near Stone Cross area along Rattle Road (**833** dwellings)
- Developments within attendance standard isochrones.
- No commercial developments planned.

- **32** KSI collisions per year. Proportion of serious/fatal collisions in line with ESFRS.
- None outside attendance standards isochrones.

- **5.2km** of coastline from Pevensey Bay through to Normans Bay.
- **107km** of rivers (**2.7%** of ESFRS rivers). Ranks **17** out of **24** areas.
- Ranks **4**th out of **24** station areas for percentage of secondary rivers and **3**rd out of **24** station areas for proportion of intertidal rivers (**14%** of all intertidal rivers)

- **47** listed buildings (**2%** Grade I). **98%** in attendance standard isochrones.
- **1** Grade II listed building outside – Horse Eye in north of area.
- Scheduled Monument (Northeye medieval village) well outside attendance standard isochrones – shared with Bexhill station area.

- Large geographical flood-risk area due to low-lying marshland (Pevensey Levels). ESFRS respond to 2 flooding incidents per year (**2.5%** of all incidents). Lower rate than ESFRS.
- **1** biological SSSI site (Pevensey Levels).
- Small pockets of broadleaved woodland in the west of station area.

- **3** Level 1 or Level 2 SSRIs
- No COMAH site(s).
- No high-rise properties within area
- No over border risks

Overview

Pevensey Station Area covers an area of approximately 35 square kilometres, predominantly rural in nature. The population is dispersed along the coast and to the south-west of the station area with only 2.5% of the population within Pevensey itself and the others within the villages of Pevensey Bay, Westham, Stone Cross and Hankham. The remaining geographical area is predominately marshland, known as the Pevensey Levels, which cover an area around 120 square kilometres in total. The marshes are a Site of Special Scientific Interest and a large nature reserve. The site is very fragile and general access is not permitted.

The Fire Station is located within the centre of the village of Pevensey itself. Pevensey is a small village, situated on a spur of sand and clay, about 10 metres above sea level, and through which the main A27 and A259 roads run through from west to east. Westham, Stone Cross and Hankham are three settlements to west of Pevensey and these are virtually part of the greater Eastbourne conurbation and much expansion has been occurring here.

Station Resources

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

1 x Extended Rescue Pump (FJE77P1)

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 Pevensey is generally older than the ESFRS average, and there are particularly fewer young adults. There are proportionally fewer 18 to 24 year olds with 6% in Pevensey, compared to 10% for the service. This is also the case for 25 to 49 years, 27% compared to 31% for ESFRS. In the older age ranges, 20% of the population in Pevensey station area are 65 to 79 year olds, compared with 15% across the service area. There is also a slightly greater proportion of 80 to 89 years, 6% in Pevensey compared to 5% in ESFRS, but fewer 90+ year olds.

Age / Gender Breakdown (2017)

Pevensey % Female   Pevensey % Male   ESFRS % Female   ESFRS % Male
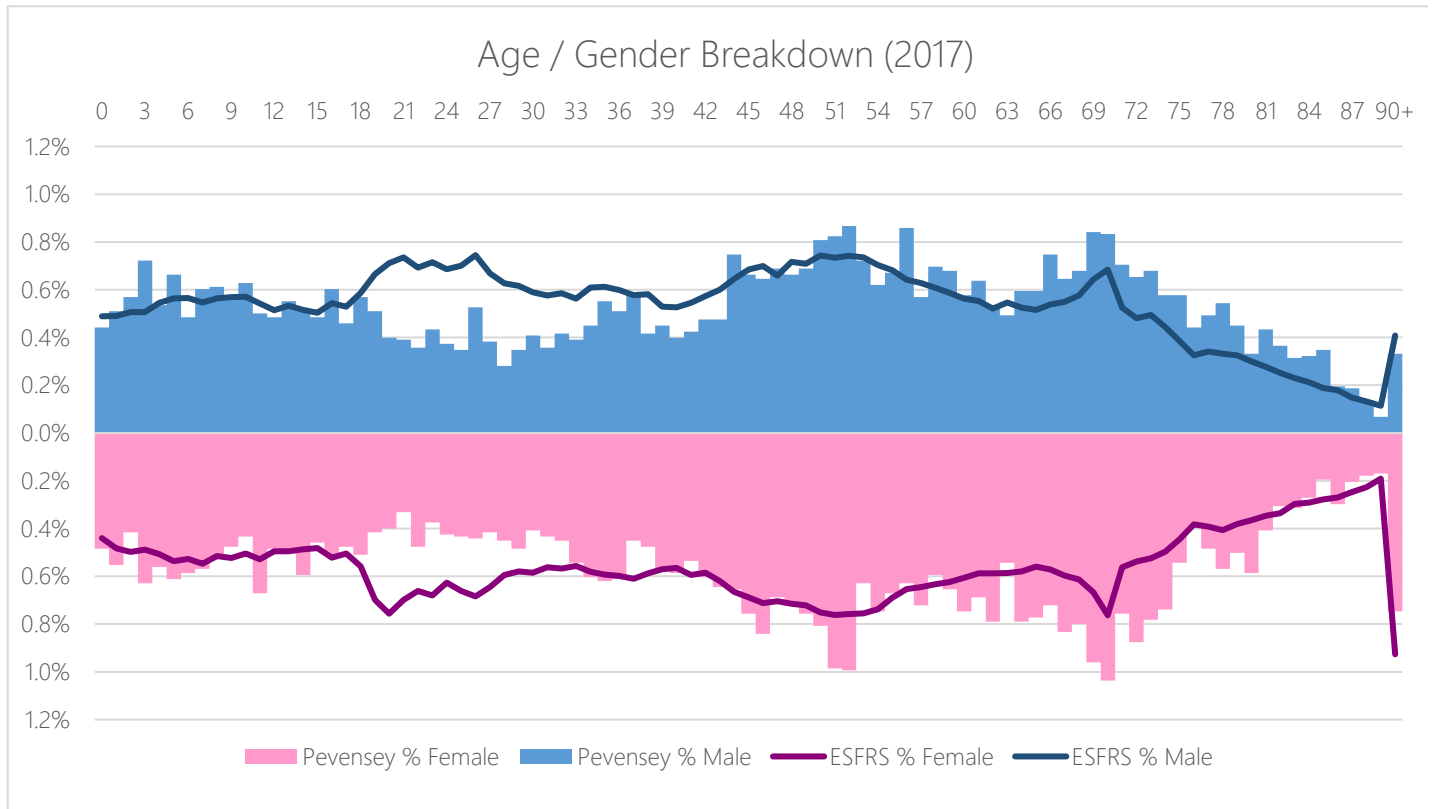
2017 population estimates - % Within Area								
	0 to 9	10 to 17	18 to 24	25 to 49	50 to 64	65 to 79	80 to 89	Over 90	Total
Pevensey	1,308 (11.1%)	983 (8.4%)	702 (6%)	3,115 (26.5%)	2,489 (21.2%)	2,381 (20.2%)	663 (5.6%)	127 (1.1%)	11,768
ESFRS	87,510 (10.4%)	69,516 (8.3%)	79,643 (9.5%)	261,272 (31.1%)	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 FRSs 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 Pevensey 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 100% 65+ year olds are within the attendance standard isochrones, day or night. This ranks Pevensey joint first out of the 24 stations (or 1 out of the 12 on-call station areas), due in part to the fact that the station area is small compared to other ESFRS station areas and the majority of the geographical area of Pevensey is uninhabited marshland.

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

	Station Admin Area	No. of persons	% in Att. Std. Isochrone (Day)	% in Att. Std. Isochrone (Night)
65+ Yrs	Pevensey	3,219	100.0	100.0
	ESFRS	179,534	96.5	97.2
80+Yrs	Pevensey	890	100.0	100.0
	ESFRS	51,372	96.8	97.4

Pevensey has a lower population density compared with the rest of the service, with 3.5 persons per hectare compared to an ESFRS average of 4.7. Pevensey is ranked *(out of 24)* as the 10th most densely populated station area in the service. The area's population increased by 1,679 from 2011-2017, based on the 2011 census and 2017 estimates, which resulted in the population density increasing by 0.5 persons per hectare.

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
3,410	10,089	11,768	3.0	3.5	0.5	10	4.5	4.7

The general health in Pevensey 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.

43% of the population in Pevensey are identified as having 'very good health', compared to 45% for ESFRS and 35% as having 'good health' which is in line with the ESFRS average. There are also more persons with 'fair health', 16% compared to 14%. Overall, the general health of the population is broadly in line with ESFRS, albeit with a slightly older population than the ESFRS profile.

	General Health - Persons (2011) - % Within Area					
	Very good health	Good health	Fair health	Bad health	Very bad health	Total
Pevensey	4,318 (42.8%)	3,565 (35.3%)	1,605 (15.9%)	457 (4.5%)	144 (1.4%)	10,089
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 Pevensey whose day-to-day activities are limited is slightly greater than that of ESFRS, 79% of the Pevensey 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
Pevensey	956 (9.5%)	1,197 (11.9%)	7,936 (78.7%)	10,089
ESFRS	68,688 (8.6%)	83,026 (10.4%)	648,326 (81%)	800,040

There are proportionally more retired persons in Pevensey (23%) compared to the service average (15%), there are also fewer full time students (5%) than the ESFRS average (10%).

Economic Activity - All usual residents aged 16 to 74 (2011)			Pevensey	ESFRS
Economically active	Part-time	Employee	1,134 (15.8%)	82,644 (14.1%)
		Self-employed without employees	254 (3.5%)	22,199 (3.8%)
		Self-employed with employees	18 (0.3%)	2,591 (0.4%)
	Full-time	Employee	2,361 (33%)	201,532 (34.4%)
		Self-employed without employees	512 (7.2%)	40,181 (6.9%)
		Self-employed with employees	165 (2.3%)	12,514 (2.1%)
		Un-employed	178 (2.5%)	21,321 (3.6%)
		Full-time student	166 (2.3%)	22,823 (3.9%)
Economically inactive		Retired	1,607 (22.5%)	86,361 (14.8%)
		Student (including full-time students)	210 (2.9%)	35,446 (6.1%)
		Looking after home or family	237 (3.3%)	22,914 (3.9%)
		Long-term sick or disabled	247 (3.5%)	24,201 (4.1%)
		Other	67 (0.9%)	10,583 (1.8%)
Total			7,156	585,310

🏠 Household Demographics

Census 2011 Household Breakdown

There are proportionally more detached houses/bungalows in Pevensey (47%), compared to the service average (25%). This is also the case for semi-detached houses/bungalows (35% in Pevensey vs 23% for ESFRS). There is a much lower proportion of purpose built flats (6% in Pevensey vs 19% for ESFRS), and converted flats (1% in Pevensey 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		
Pevensey	2,105 (47%)	1,556 (34.8%)	441 (9.9%)	246 (5.5%)	62 (1.4%)	34 (0.8%)	31 (0.7%)	2 (0%)	4,477
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

Pevensey has marginally more lone pensioners (16%, compared to 15% service wide), and slightly fewer lone parents with dependent children (5% in Pevensey, vs 7% in ESFRS).

	Household Composition - Households (2011)			
	Lone Pensioner (65+)	All full-time students	Lone parent with dependent children	All Households
Pevensey	721 (16.1%)	1 (0%)	209 (4.7%)	4,477
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 Pevensey (46%) than the service area average (33%), and there are also proportionally more mortgaged households in Pevensey (38%) than the ESFRS average (31%). There is a lower proportion of social rented households in Pevensey than in the rest of the service. There is about half the proportion of privately rented (private landlord/letting agent) in Pevensey with 10%, compared to the service average of 20%.

	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		
Pevensey	2,062 (46.1%)	1,714 (38.3%)	14 (0.3%)	77 (1.7%)	40 (0.9%)	465 (10.4%)	49 (1.1%)	56 (1.3%)	4,477
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. Pevensey isn't an overcrowded area, with only 1.2% of the households having an occupancy rating of -1 compared to the service average of 3.6%. Furthermore, Pevensey (0.1%) has a similar proportion of households with an occupancy rating of -2 compared with ESFRS (0.4%). There is a far greater proportion of households with spare rooms in Pevensey than the service average, 36% of households have an occupancy rating of +2, compared to 30% for ESFRS. Also, 45% have a rating of +1 in Pevensey, compared to a 34% average for the service area.

Occupancy Rating (Spare Bedrooms) - Households (2011)					
Under-occupied		Standard	Overcrowded		Total
+2 or more	+1	0	-1	-2 or less	
Pevensey	1,630 (36.4%)	2,023 (45.2%)	765 (17.1%)	53 (1.2%)	6 (0.1%)	4,477
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 5,389 households within Pevensey station admin area, dispersed across the station area. which are broken down by the 15 summary Mosaic Lifestyle groups.

Mosaic Lifestyle Group	Pevensey	%	ESFRS	%
A - Country Living	390	7.2	30,907	8.5
B - Prestige Positions	532	9.9	27,774	7.6
C - City Prosperity	0	0.0	21,862	6.0
D - Domestic Success	620	11.5	27,215	7.5
E - Suburban Stability	448	8.3	24,684	6.8
F - Senior Security	1,241	23.0	39,762	10.9
G - Rural Reality	1,128	20.9	17,553	4.8
H - Aspiring Homemakers	762	14.1	24,898	6.8
I - Urban Cohesion	1	0.0	14,427	4.0
J - Rental Hubs	71	1.3	50,913	14.0
K - Modest Traditions	42	0.8	10,777	3.0
L - Transient Renters	59	1.1	13,853	3.8
M - Family Basics	15	0.3	20,841	5.7
N - Vintage Value	80	1.5	26,701	7.3
O - Municipal Challenge	0	0.0	11,485	3.2
Total	5,389	100	363,652	100

The predominant Mosaic groups describe 'Elderly people with assets who are enjoying a comfortable retirement' and 'Householders living in inexpensive homes in village communities'. The top 3 Mosaic Types within Pevensey Station area are:

<u>F24 - Bungalow Haven:</u> Seniors appreciating the calm of bungalow estates designed for the elderly

<u>G29 Satellite Settlers:</u> Mature households living in expanding developments around larger villages with good transport links

<u>G27 Outlying Seniors:</u> Pensioners living in inexpensive housing in out of the way locations

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 up to 50% fewer dwelling fires than one would expect. The map below shows the dispersal of households across the station area.

Households in Pevensey Station Admin area by Mosaic Lifestyle Group
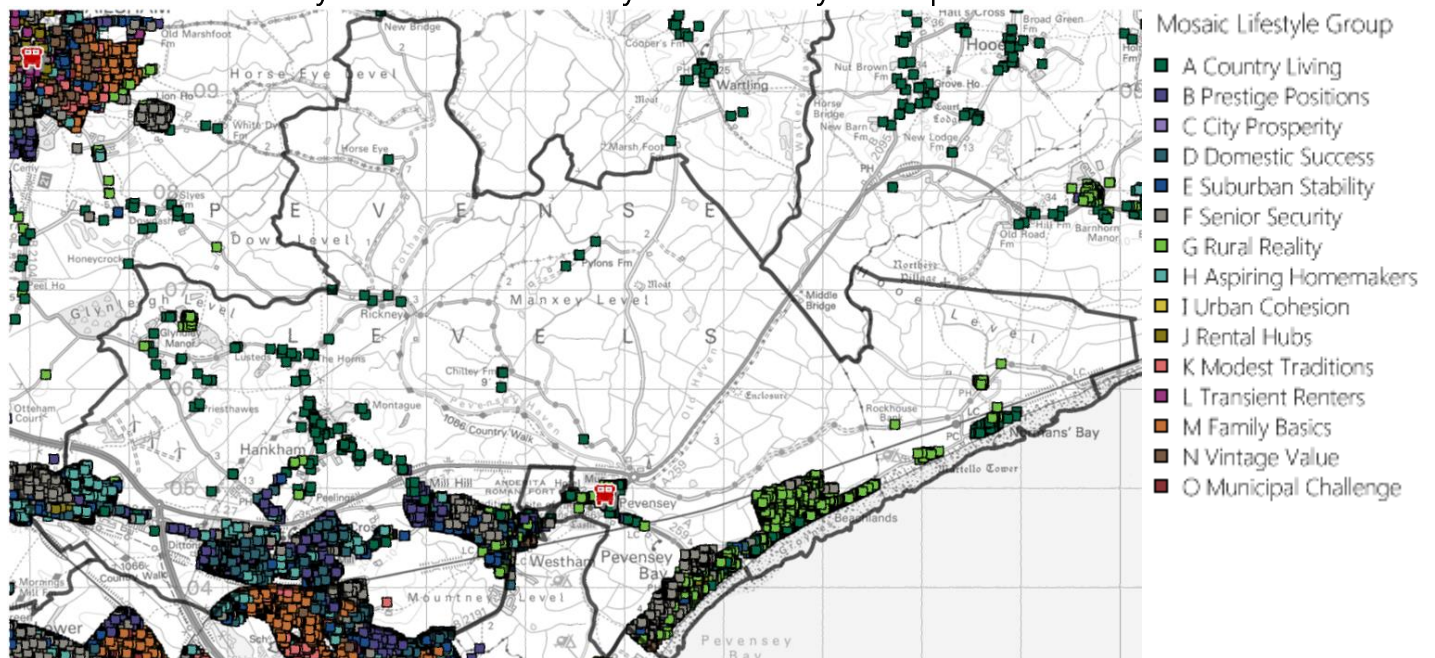

The map below shows the dispersion of mosaic households, classified by their initial fire risk rating, which is based on a combination of the number of fires and propensity to having a fire within each mosaic type. Those that have historically had a higher prevalence of and/or higher likelihood to having 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 Pevensey Station Admin area by Initial Fire Risk Rating

Station Area	Very High	High	Above Average	Average	Below Average	Low	Very Low	Total
Pevensey	146	132	715	1,184	1,193	983	1,036	5,389
Pevensey (%)	2.7%	2.4%	13.3%	22.0%	22.1%	18.2%	19.2%	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
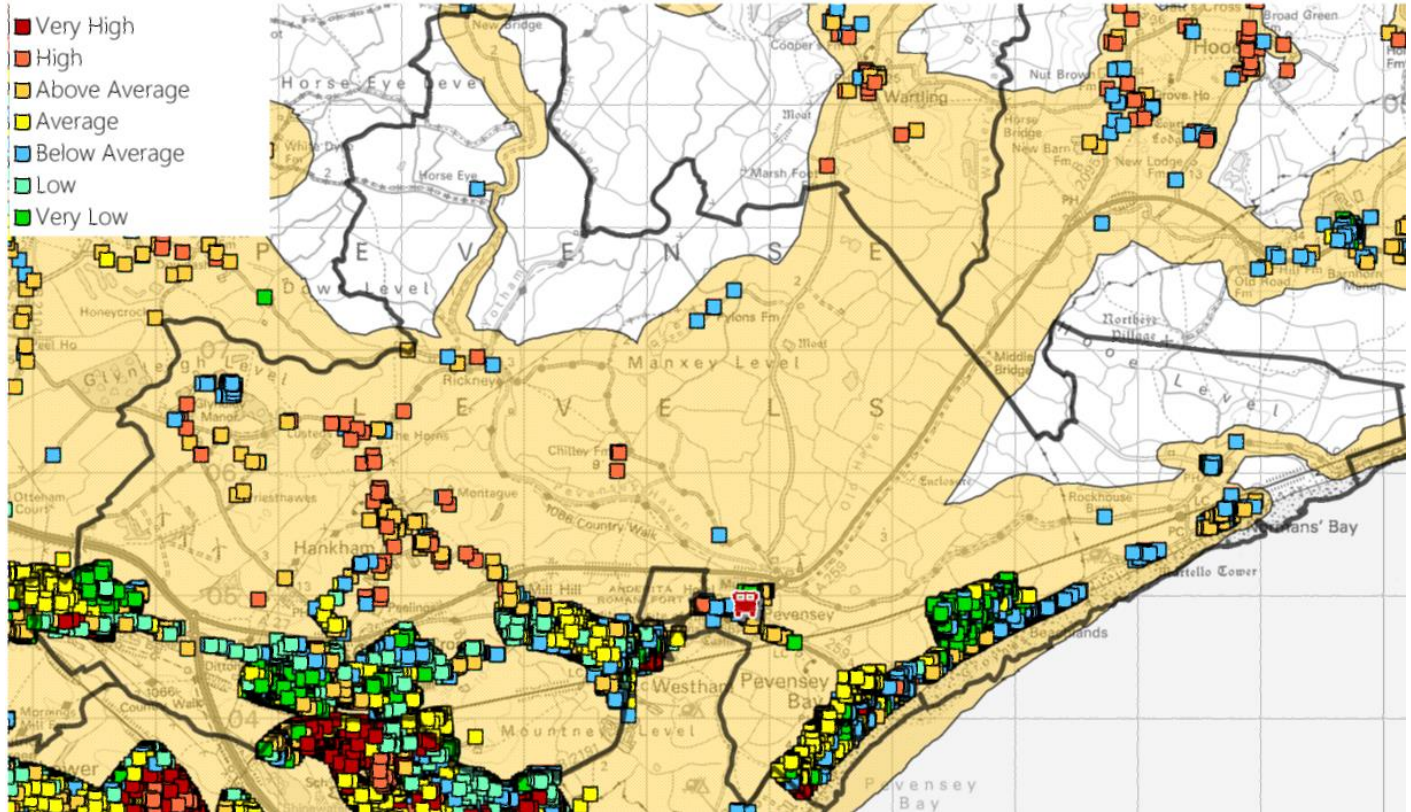
Station Admin Area	Very High	Within Att. Standard (Day)	%	Within Att. Standard (Night)	%	High	Within Att. Standard (Day)	%	Within Att. Standard (Night)	%
Pevensey	146	146	100.0	146	100.0	132	132	100.0	132	100.0

All households within Pevensey station area are within ESFRS attendance standards, for both day and night. It can be seen that approximately 60% of households are deemed to represent a below average, low or very low fire risk.

The Very High/High risk households represent 5% of households, all of which fall within the attendance standards isochrones

Holiday Parks

There are 2 main holiday parks in Pevensey station area which contain a combined 193 units. These all sit within the attendance standards isochrones. The larger of the two parks is Normans Bay Caravan Park, which comprises 91% of the total units in Pevensey station area and, whilst these are located inside the attendance standard isochrones, they have extended attendance times.

Station Admin Area	Total Number of Units	Within Attendance Standard (Day)	%	Within Attendance Standard (Night)	%
Pevensey	193	193	100	193	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)
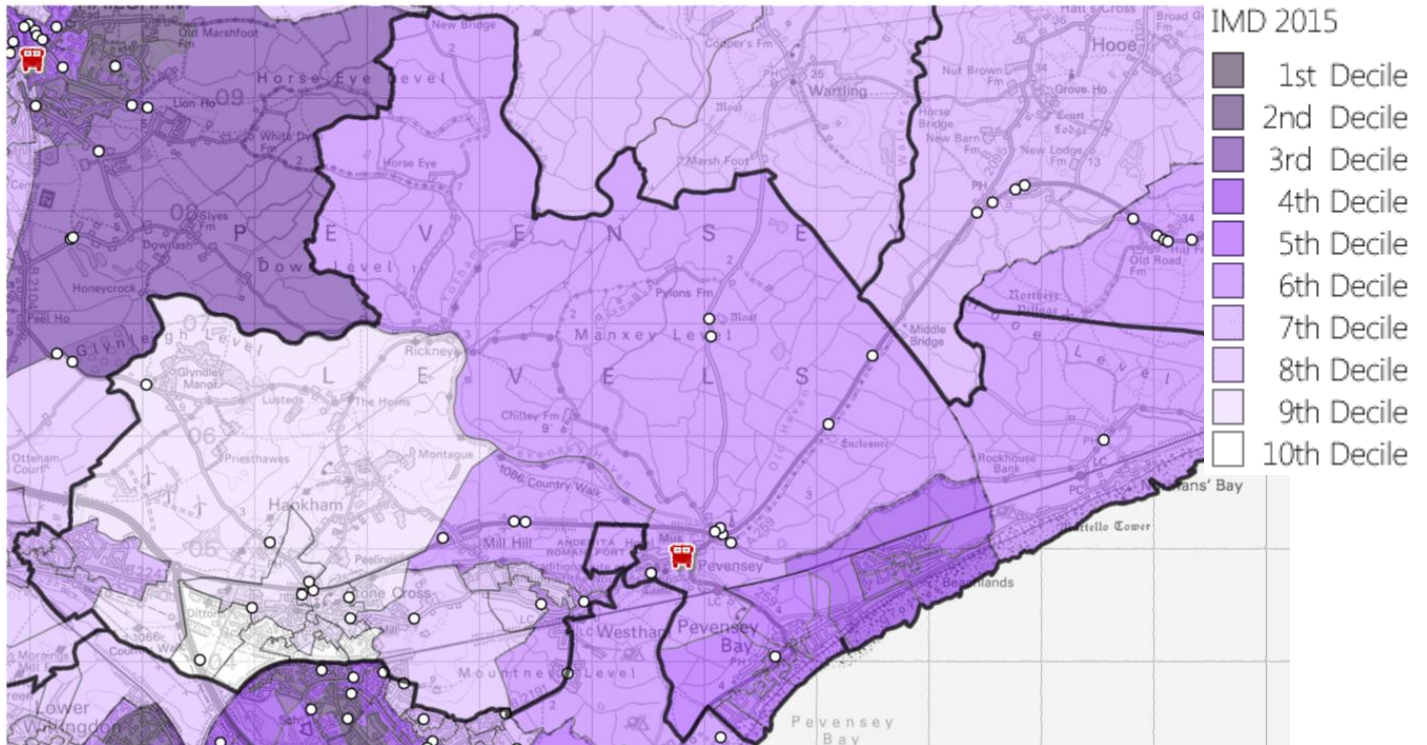
It can be seen that the majority of neighbourhoods within Pevensey station area are less deprived, particularly in the west of the station area towards Hankham, which sits in the top 20% least deprived areas nationally. The most deprived area is Beachlands, which sits in an area that ranks within the top 40% most deprived areas nationally.

STATION RISK PROFILE v1.0 - OFFICIAL

Incidents

Incidents occurring within Pevensey 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 Pevensey – irrespective of which appliance(s) were mobilised to the incident. This helps identify the types of incidents to which we have responded within Pevensey's area.

Over 9 years (Apr 2009 – Mar 2018), incidents within Pevensey station area have decreased by 15.4%, albeit the last 3 years have seen a slight increase in the numbers of incidents, as shown below.

No. of Incidents within Pevensey Station Area per year

2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total
86	62	65	68	69	65	74	84	73	646

Between 2013-18, there were 365 incidents within the Pevensey station area, which equates to an average of 73 incidents per year. This is similar to the station area of Forest Row (74 incidents per year).

Pevensey station area ranks 21 out of all 24 geographical station areas in terms of the numbers of incidents occurring within its area, making it the 4th quietest station area. Comparing with the other on-call station areas across ESFRS, Pevensey ranks 9th out of 12, making it one of the quieter areas covered by an on-call station, as shown below.
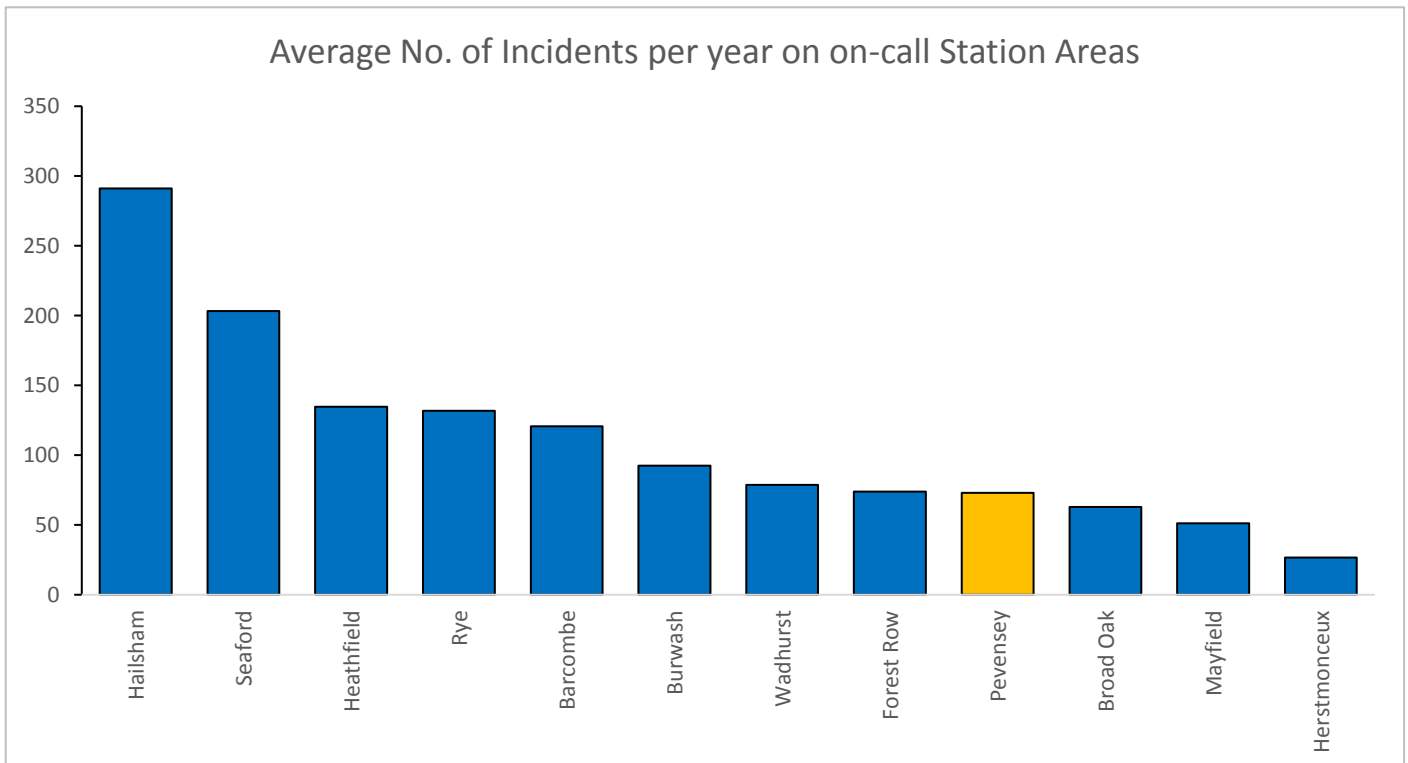
The following charts show the distribution of incidents by day of week and month of year. The shape of these distributions follows a typical distribution. Calls sharply decrease from 9pm, particularly special service calls and dip during the day for a longer period of time (12pm-3pm) compared to ESFRS as a whole.

No. of Incidents within Pevensey Station Area by Time of Day (2013-18)
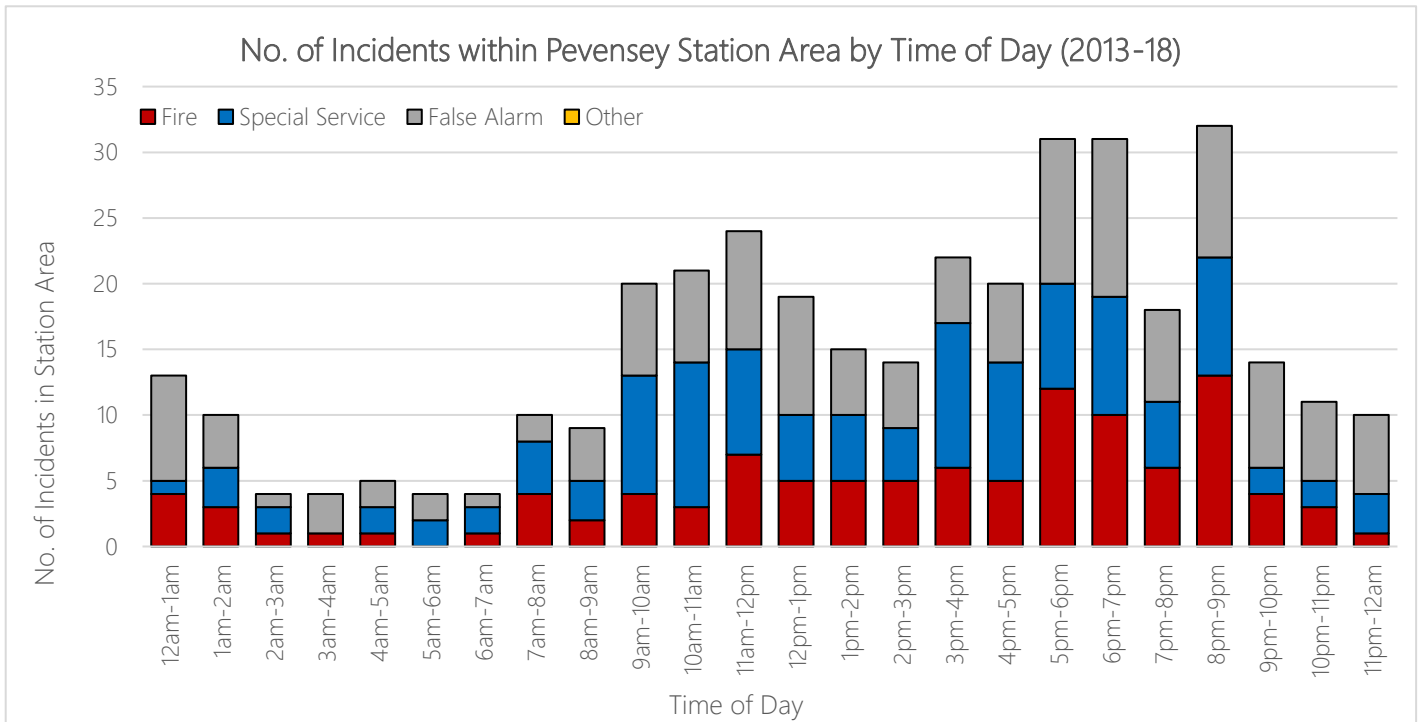
As you would expect, there are more incidents during the summer months compared to winter. However, October is the quietest month by a significant margin. April is the month with most fires and December is the busiest month for special service calls, followed by the summer months from July-September.

No. of Incidents within Pevensey Station Area by Month of Year (2013-18)
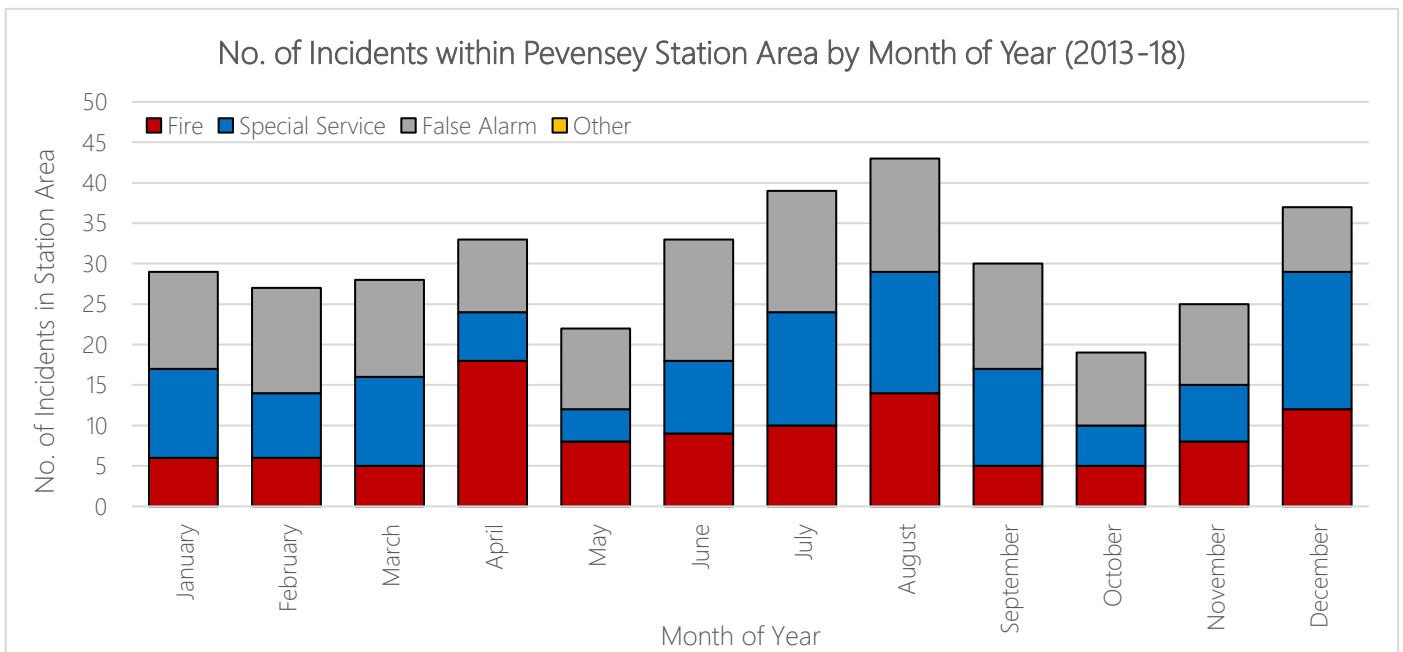
The following table illustrates the types of incidents that have occurred within Pevensey station area over the past 9 years. Dwelling fires and RTC incidents combined make up 18% of incidents (13 per year) which is slightly higher than the ESFRS average, due to the much higher proportion of RTCs (13% of incidents in Pevensey area compared to 5% in ESFRS). The proportion of fires within Pevensey station area are 6.8% higher than the ESFRS average (although dwelling fires are 1.6% lower) and false alarm incidents are lower by 11%. Secondary fires represent the 3rd highest type of incident in Pevensey area and are also 4% higher than the ESFRS average.

No. of Incidents within Pevensey 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	6	1	2	1	2	6	1	5	3	27	3	4.7	6.3
Primary Fire - Non Residential	3	6	1	3	1	5	0	1	1	21	2	2.2	2.1
Primary Fire - Other Residential	0	1	0	0	0	1	0	0	0	2	0	0.3	0.6
Primary Fire - Vehicle	6	5	8	4	2	1	4	11	6	47	5	6.6	2.7
Primary Fire - Outdoor	1	1	0	1	0	1	0	1	1	6	1	0.8	0.9
Chimney Fire	2	3	2	3	4	1	2	2	1	20	2	2.7	1.6
Secondary Fire	15	11	10	9	6	11	7	11	8	88	9	11.8	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	1	0	1	0	2	0	0.5	0.3
Special Service - Animal assistance incidents	6	2	1	2	2	3	1	5	5	27	3	4.4	2.3
Special Service - Assist other agencies	0	2	1	2	0	1	2	0	1	9	1	1.1	1.7
Special Service - Effecting Entry/Exit	1	2	3	3	0	3	3	3	2	20	2	3.0	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	2	3	3	2	4	1	2	0	2	19	2	2.5	4.2
Special Service - Hazardous Materials	0	0	1	0	0	0	0	0	0	1	0	0.0	0.3
Special Service - Lift Release	1	0	0	0	1	1	0	0	2	5	1	1.1	3.7
Special Service - Making Safe (not RTC)	1	0	0	3	3	0	4	1	0	12	2	2.2	1.8
Special Service - Medical Incident	0	0	0	0	0	0	1	0	0	1	0	0.3	0.2
Special Service - No action (not false alarm)	1	1	0	3	0	0	0	0	0	5	0	0.0	0.7
Special Service - Other rescue/release of persons	1	0	0	1	0	0	1	1	1	5	1	0.8	1.0
Special Service - Other Transport	0	0	0	0	1	0	0	0	0	1	0	0.3	0.3
Special Service - Removal of objects from people	0	0	0	0	0	0	0	1	0	1	0	0.3	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	0	2	0	3	0	0	5	1	1.4	0.1
Special Service - RTC	8	9	5	5	16	6	9	8	9	75	10	13.2	5.1
Special Service - Spills and Leaks (not RTC)	5	0	3	1	2	0	0	0	1	12	1	0.8	1.1
Special Service - Stand By	0	0	0	0	0	0	0	1	0	1	0	0.3	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	1	1	0	0	2	0	0.5	0.2
Special Service - Water provision	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
False Alarm - Apparatus	10	5	13	12	9	8	12	11	10	90	10	13.7	34.6
False Alarm - Good Intent	17	10	12	13	13	14	21	21	19	140	18	24.1	13.6
False Alarm - Malicious	0	0	0	0	0	0	0	0	0	0	0	0.0	1.3
False Alarm - Unknown	0	0	0	0	1	0	0	0	1	2	0	0.5	0.2
Other	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Grand Total	86	62	65	68	69	65	74	84	73	646	73	100	100

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 42% of false alarms are to dwellings, which is below the average proportion across ESFRS. Proportionally there are a much greater number of outdoor false alarms (almost a third of all false alarms) compared to ESFRS as a whole.

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

Property Type	Pevensey	ESFRS
Dwelling	59 (42.1%)	11,127 (49%)
Non-Residential	15 (10.7%)	6,612 (29.1%)
Other Residential	1 (0.7%)	2,181 (9.6%)
Outdoor	41 (29.3%)	1,762 (7.8%)
Outdoor Structure	5 (3.6%)	194 (0.9%)
Road Vehicle	10 (7.1%)	443 (2%)
Unknown	9 (6.4%)	377 (1.7%)
Total	140	22,696

The following table shows the number of critical incidents that occur within Pevensey station area over the past 9 years. This equates to an average of 5 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 73 incidents occur within Pevensey area each year, this represents around 7% of incidents have some form of life risk, which is slightly higher than the ESFRS average of 5.2%..

No. of Critical Incidents within Pevensey 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	2	0	0	1	1	0	0	0	4
Life-risk RTC	5	3	3	4	11	2	4	1	4	37
Life-risk Special Serv.	0	1	0	0	0	1	0	1	0	3
Total	5	6	3	4	12	4	4	2	4	44

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 44 critical incidents have resulted in 56 injuries and/or rescues over the past 9 years (6.2 fatalities, casualties, rescues per year), thus each critical incident in Pevensey area gives rise to 1.27 casualties. This is in line with the ESFRS average of 1.26 casualties to every critical incident.

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

Casualty Severity	Fire	RTC	Other SS.	Total
Fatal Injury	0	3	1	4
Serious Injury	0	14	1	15
Slight Injury	0	22	1	23
First Aid/Prec. Check	3	8	0	11
Rescue (No Injury)	1	2	0	3
Total Life-Risk	4	49	3	56

Pevensey ranks 23 out of the 24 station areas (or 11 out of 12 on-call areas) regarding combined numbers of fatalities, casualties and rescues as demonstrated on the following chart. 88% of all life risk is as a result of a RTC.
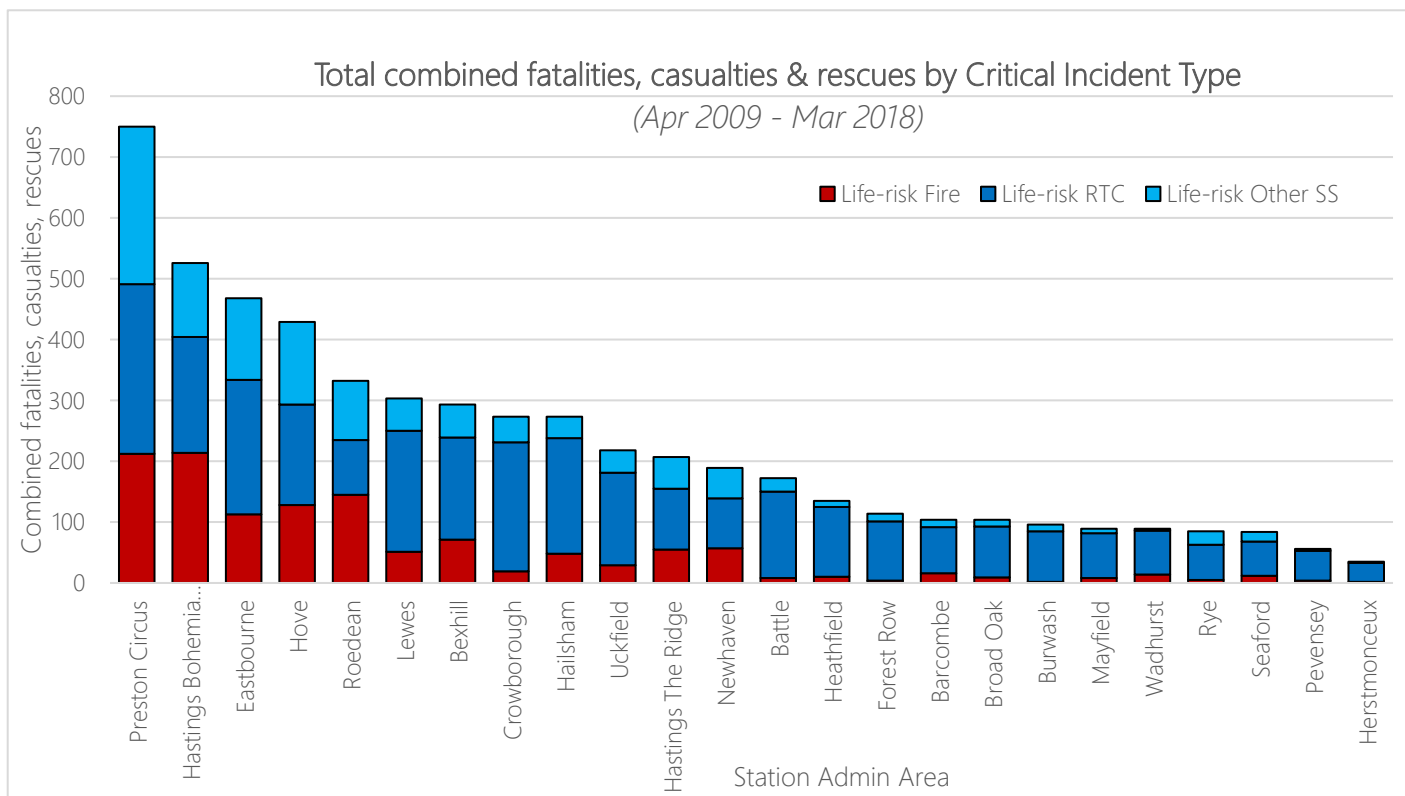
58% of incidents within Pevensey station area occurred during the daytime (between 08:30 and 18:30). The map below shows all daytime incidents over the last 5 years, with daytime attendance standards coverage overlaid. 99.5% of daytime incidents fall within the attendance standards isochrone. The proportion of all incidents that fall outside of the isochrones is the 4th lowest out of all station areas.

All Incidents by Type that occurred during 'daytime' (08:30 – 18:30) between 2013-18
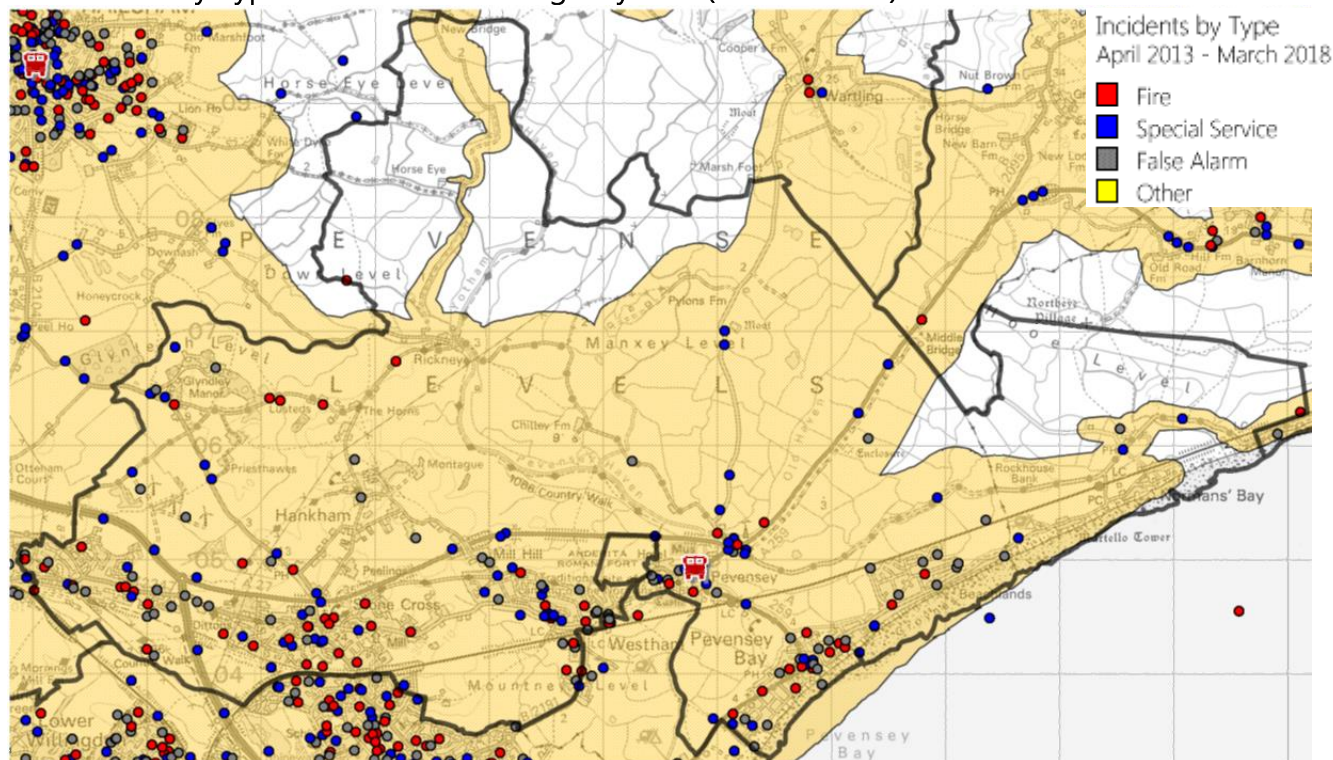
The following map now only show critical incidents that occurred within Pevensey station area during the day. 58% of these occurred during the daytime (between 08:30 and 18:30). 100% fall within the attendance standards isochrone.

Critical Incidents by Type that occurred during 'daytime' (08:30 – 18:30) between 2013-18
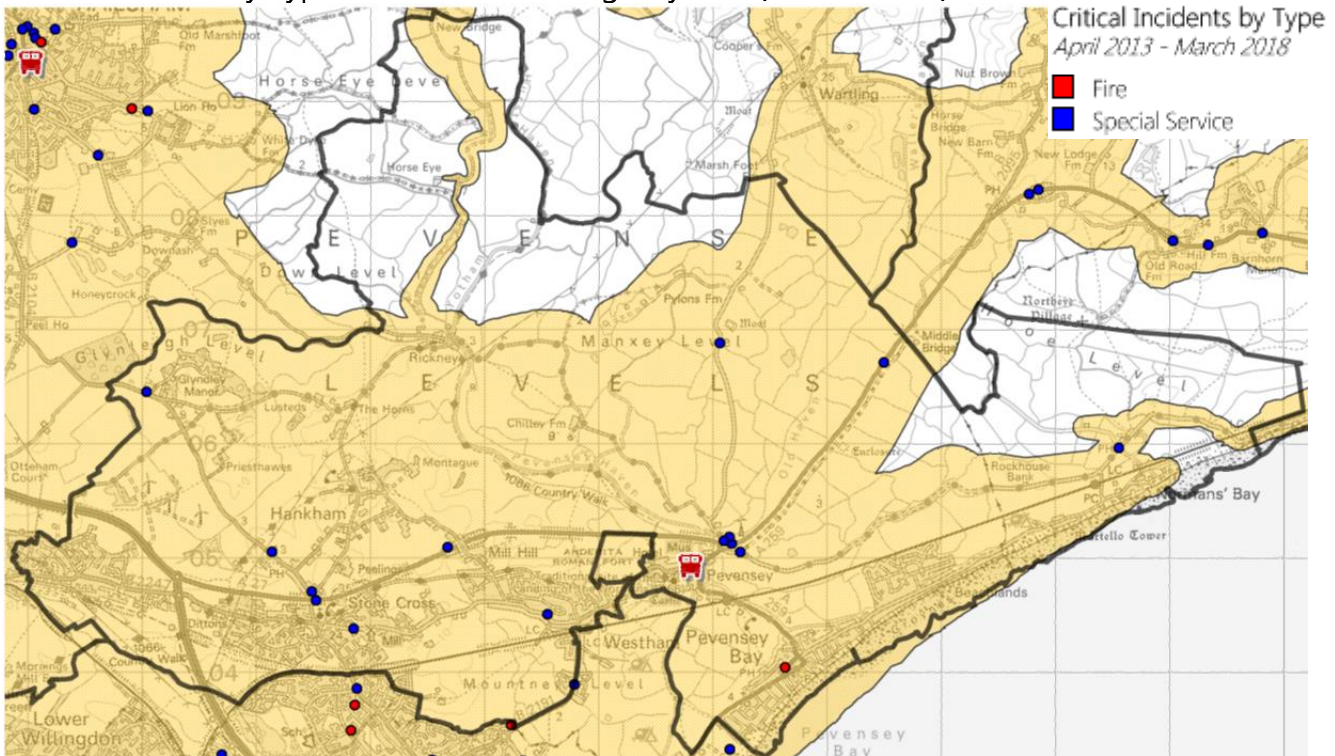
42% of incidents within Pevensey station area occurred during the night time (between 18:30 and 08:30). The map below shows all night time incidents over last 5 years, with night time attendance standards coverage overlaid. 100% of night time incidents fall within the attendance standards isochrone which ranks Pevensey joint first with Bexhill, where 100% of its night time incidents are also within the isochrone.

All Incidents by Type that occurred during 'night time' (18:30 – 08:30) between 2013-18
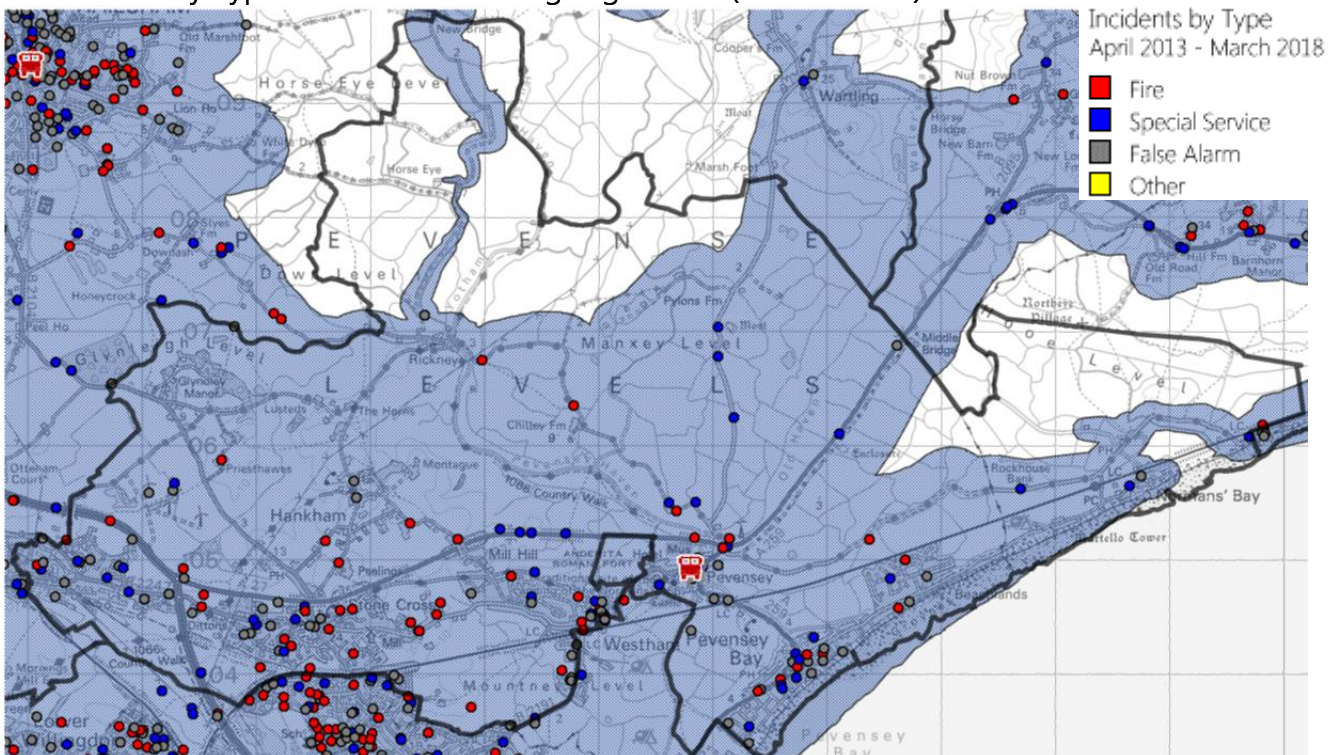
The following map now only shows critical incidents that occurred within Pevensey station area during the night. 42% of these occurred during the night time (between 18:30 and 08:30). Again, 100% fall within the attendance standards isochrone.

**Critical Incidents by Type that occurred during 'night time' (18:30 – 08:30) between 2013-18**
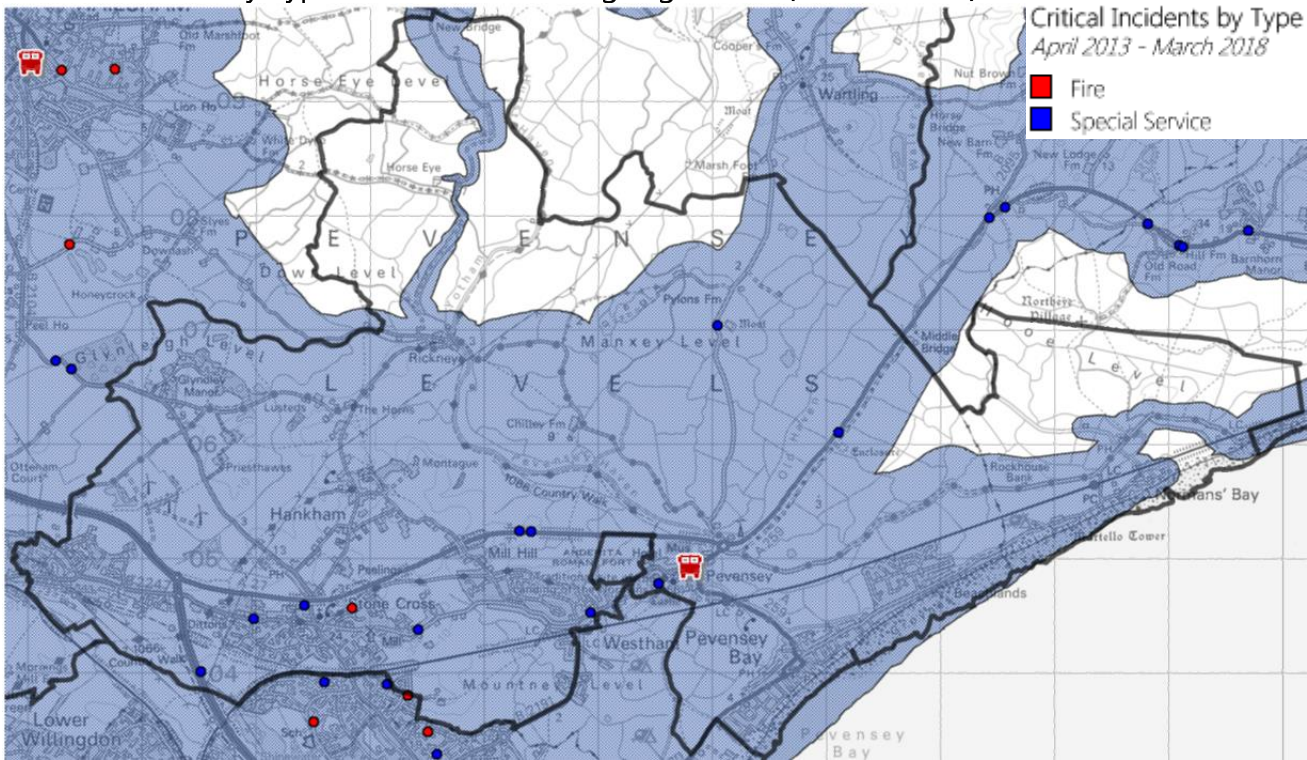
The chart below shows the distribution of response times by minute intervals. These distributions are based on 5 years of data (Apr 2013 – Mar 2018) and help understand the range of response times to all types of incidents that have occurred within Pevensey Station area, compared with other areas. It can be seen that, compared to other on-call station areas, there is a definite spike in the proportion of initial attendances between 11-12 minutes compared to other on-call areas. 15+ minute attendance times represent a lower proportion than other on-call areas.
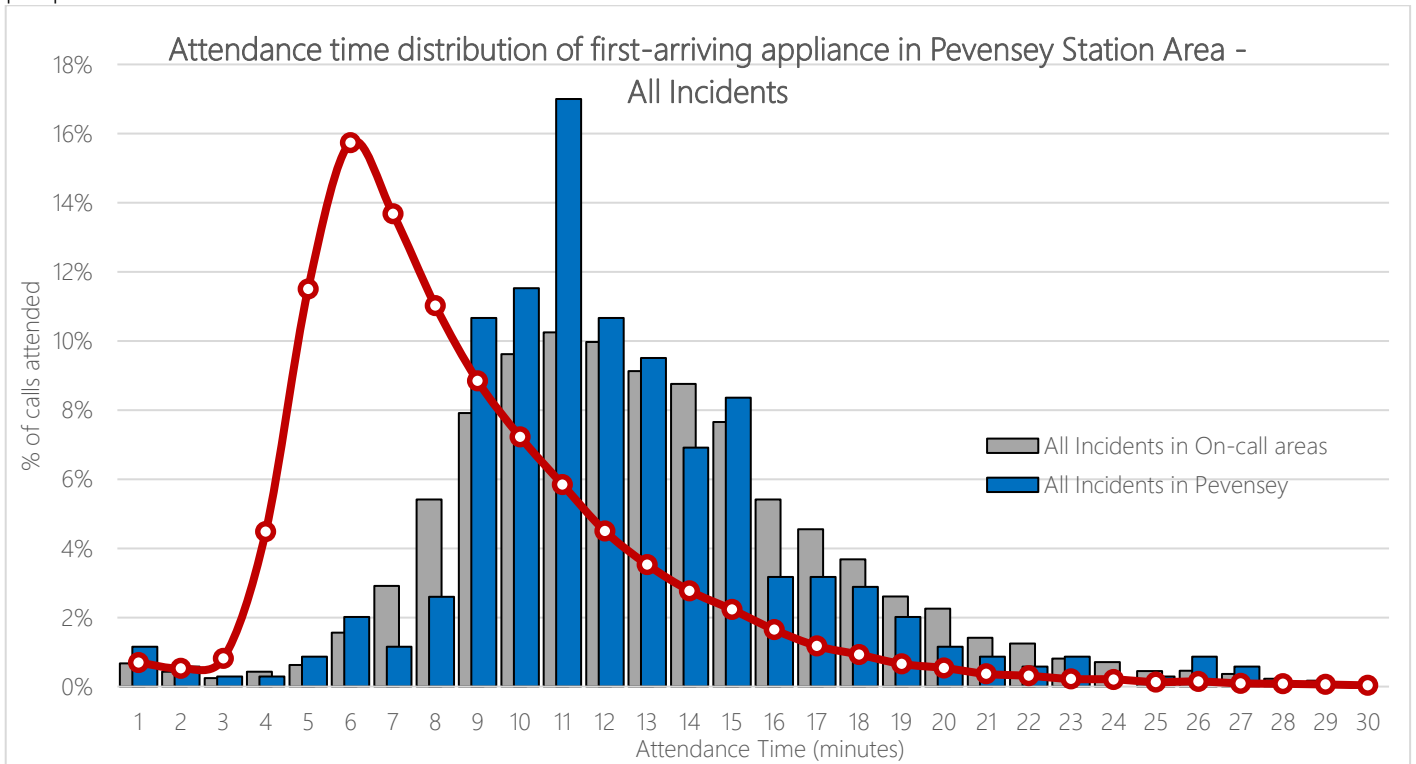
The following chart depicts similar information, but for critical incidents only. As there are fewer critical incidents within Pevensey area, the distribution curve is less uniform.

Attendance time distribution of first-arriving appliance in Pevensey Station Area - Critical Incidents
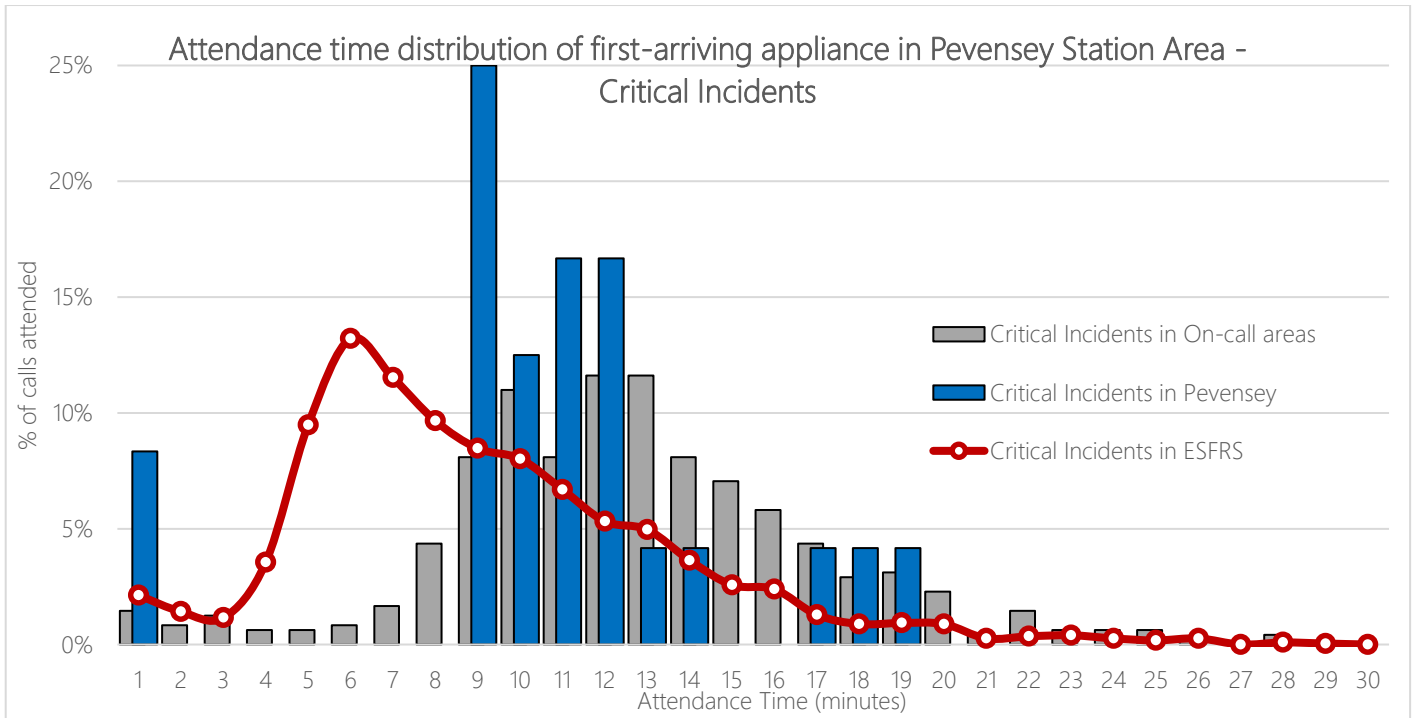
The chart below shows the distribution of response times to all incidents by minute intervals for the second appliance (where applicable) across a five year period (Apr 2013 – Mar 2018). It can be seen that, compared to other on-call areas, the arrival time of the second pumping appliance is considerably quicker. This is due to the fact that Pevensey station area is adjacent to Eastbourne, a wholetime shift station area and the population density in Pevensey is concentrated towards these outer settlements of Eastbourne (i.e. Stone Cross/Westham etc.)

Attendance time distribution of second-arriving appliance in Pevensey Station Area - All Incidents
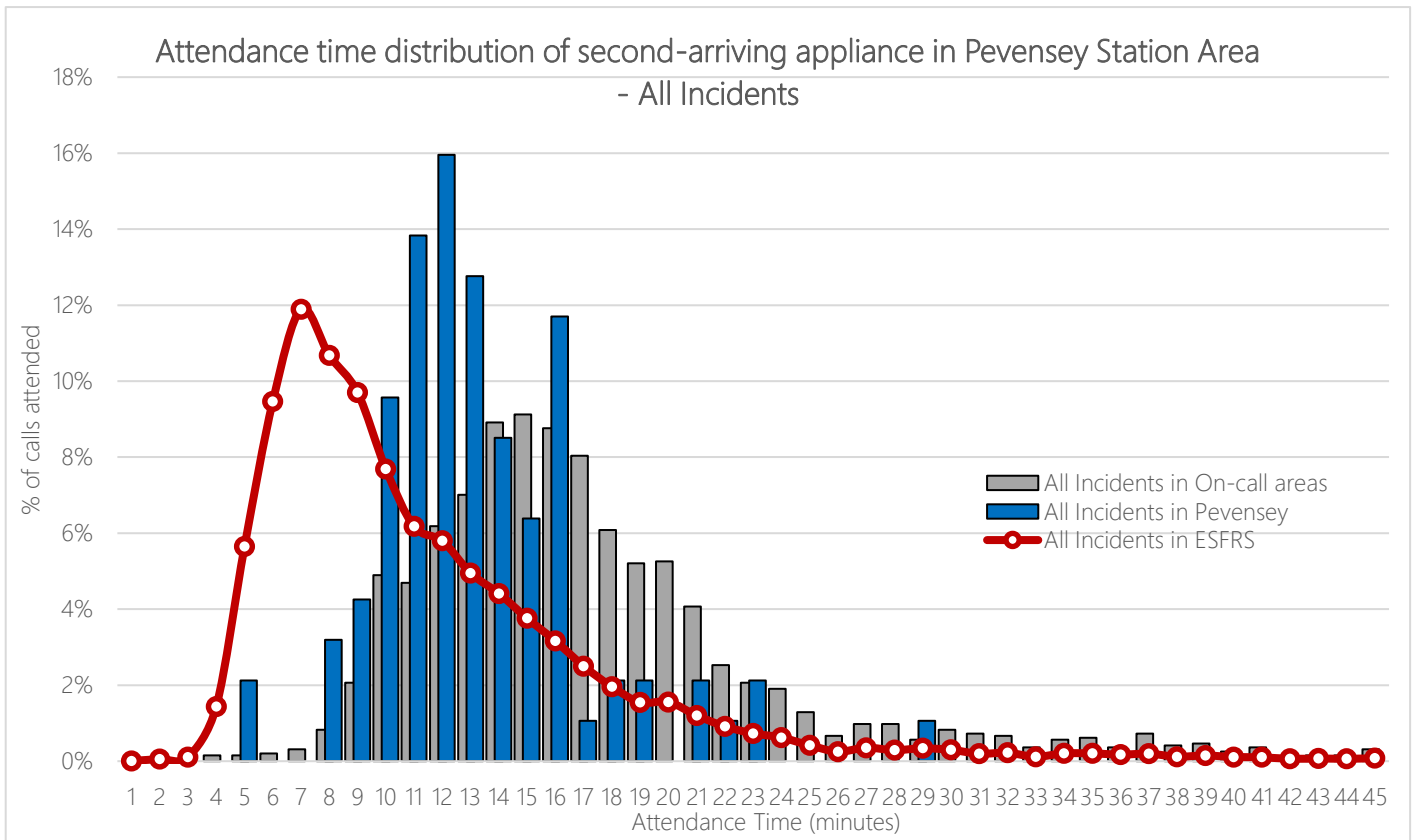
The chart below shows the distribution of attendance times to critical incidents across Pevensey station area for the 2nd appliance over a five year period (Apr 2013 – 2018). Again, these tend to be quicker compared to all on-call areas across ESFRS.

Attendance time distribution of second-arriving appliance in Pevensey Station Area - Critical Incidents
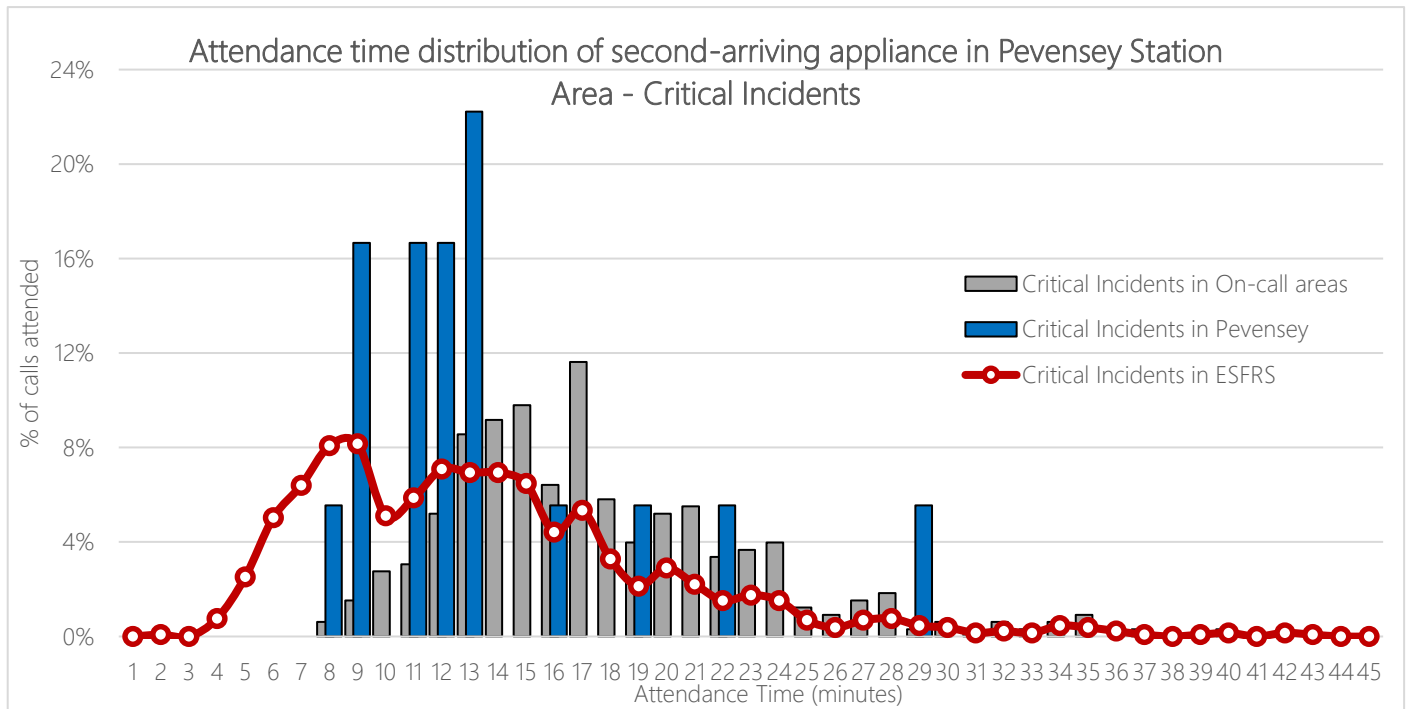
The table below shows the average delay between the arrival of the first and second appliances within Pevensey station area for dwelling fires and RTCs – the two incident types represent where the majority of our life-risk incidents occur and where we typically send 2 pumping appliances as part of the initial PDA. It can be seen that, compared to other on-call areas, the average lag time is significantly lower for dwelling fires by approximately 6 minutes. This is because a significant proportion of households within Pevensey station area are close Eastbourne's station area which is served by wholetime shift pumps (i.e. areas such as Westham, Stone Cross etc.). Similarly, the average lag time between 1st and 2nd appliance at a RTC is over 1.5 minutes quicker than other on-call areas.

Incident Type	Ave. Lag Time in Pevensey	Ave. Lag Time across all On-call areas	Ave. Lag Time across ESFRS area
Primary Fire - Dwelling	01:57	08:06	03:21
Special Service - RTC	03:13	04:52	04:17

Between April 2013 and March 2018, 72% of incidents within the Pevensey station area were attended by a single fire appliance, which is in-line with the ESFRS total of 72% of incidents.

The table below shows, when there was a 2nd pump attendance, which appliances attended. FJE93P4 was, as you would expect, the 2nd pump attendance on 36% of occasions. Pevensey itself provided the 2nd pump attendance on 22% of occasions and FJE93P6 on 17% of occasions, with Hailsham's FJE80P1 12%.

FJE93P4 (36%)	FJE77P1 (22%)	FJE93P6 (17%)	FJE80P1 (12%)	FJE83M1 (5%)	FJE73P1 (3%)	FJE73P4 (1%)	FJE76P1 (1%)	FJE79P1 (1%)	FJE82M1 (1%)	FJE89P1 (1%)

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 densly populated high-rise premises.

The map seeks to demonstrate the areas where there have been the most incidents within the Pevensey 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.

Although it looks as if much of the station area is darkly shaded, this actually represents a single output area, due to much of the geographical area being unpopulated.

Incident Density Map
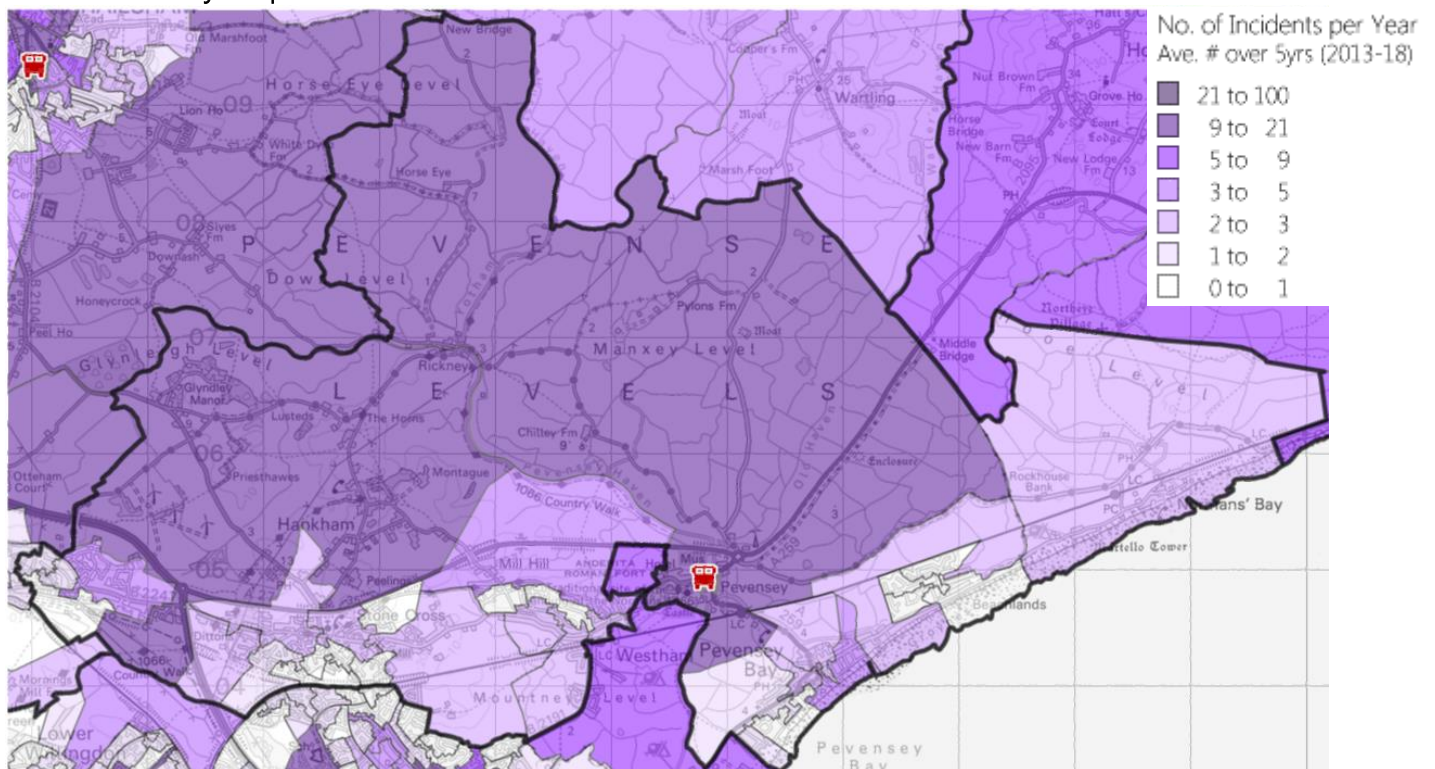
The following map shows, by output area, the average number of critical incidents to which it is mobilised per year (based on a 5 year average). Again, it can be seen that there is a single output area that is darkly shaded. However, the locations of the critical incidents within this large geographical area are along the A259. 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
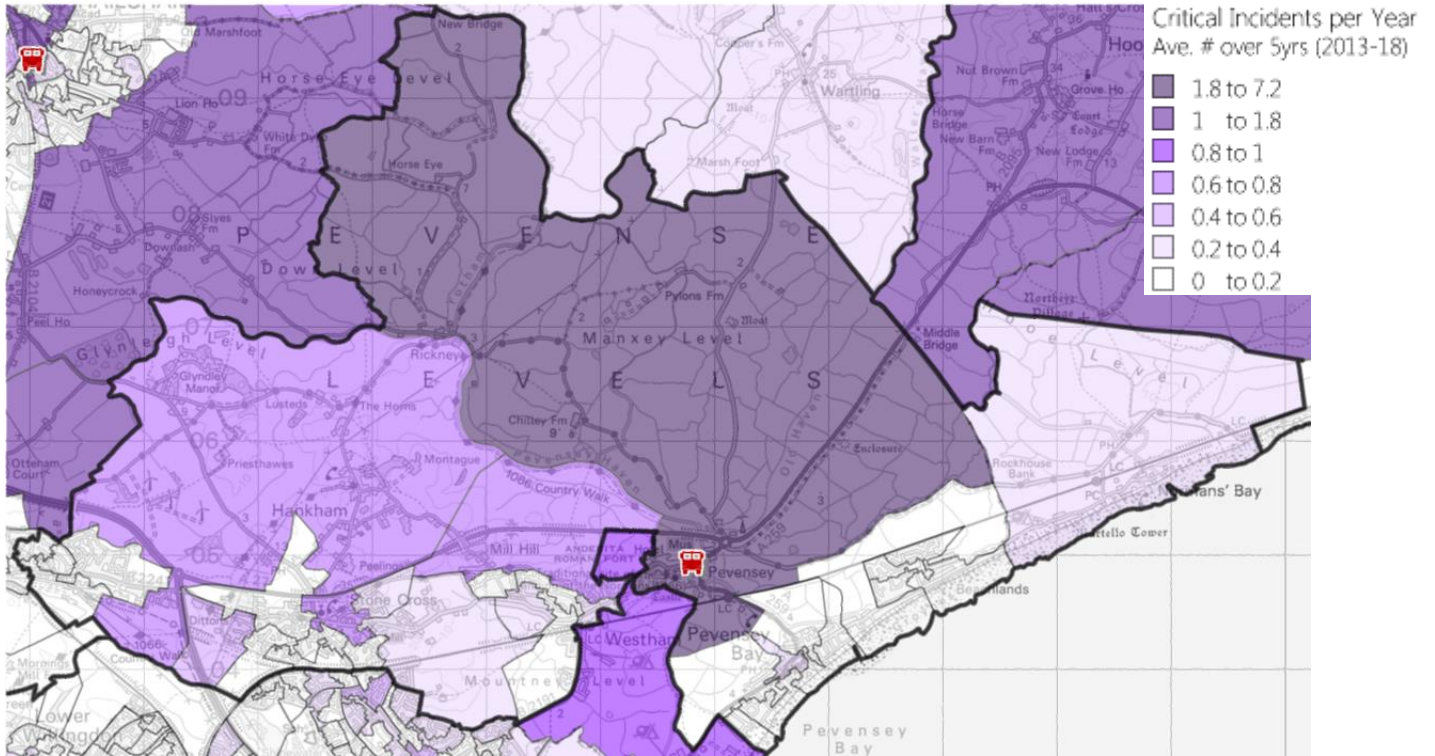
The following table illustrates the number of level 3 and 4 incidents that have occurred over the past 9 years within Pevensey station area. A level 3 incident is where between 7-9 pumping appliances are in attendance at the incident, whereas a level 4 incident represents where 10 or more pumping appliances attended. These incidents denote where significant resource was required in order to deal with a particular incident. There have been no level 3 or 4 incidents within Pevensey station area over the last 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
Total	0	0	0	0	0	0	0	0	0	0
ESFRS Total	17	11	9	10	11	9	7	7	12	93

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 Pevensey station area has a below or 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
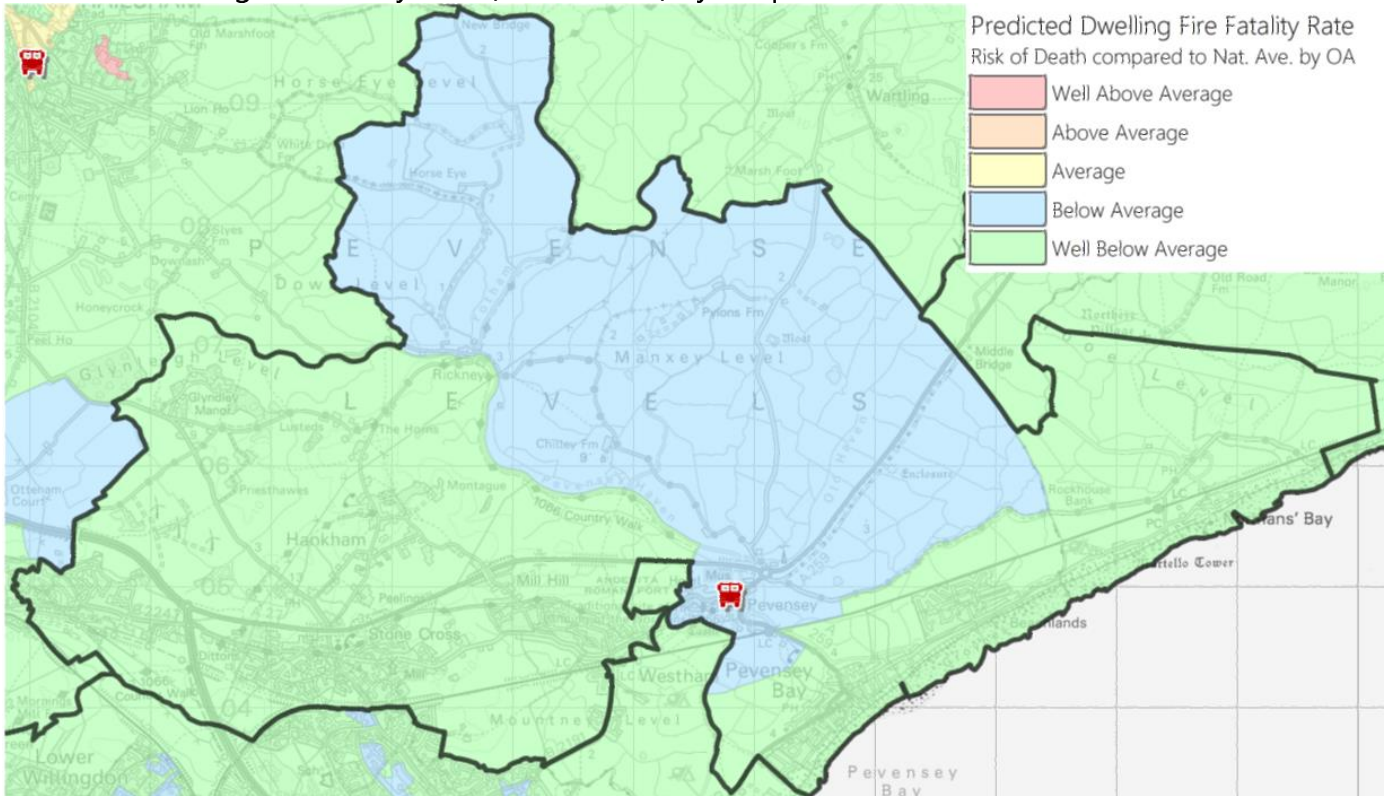
The following map shows the predicted RTC fatality rate by output area, produced by the Fire Service Emergency Cover Toolkit. The majority of the station area is classed as an above average risk as these are areas where the main A259 is located, particularly along the marsh road. The 'Ersham Road', between Stone Cross and Hailsham has also been a hotspot for RTCs historically.

Predicted RTC Fatality Rate (risk of death) by Output Area
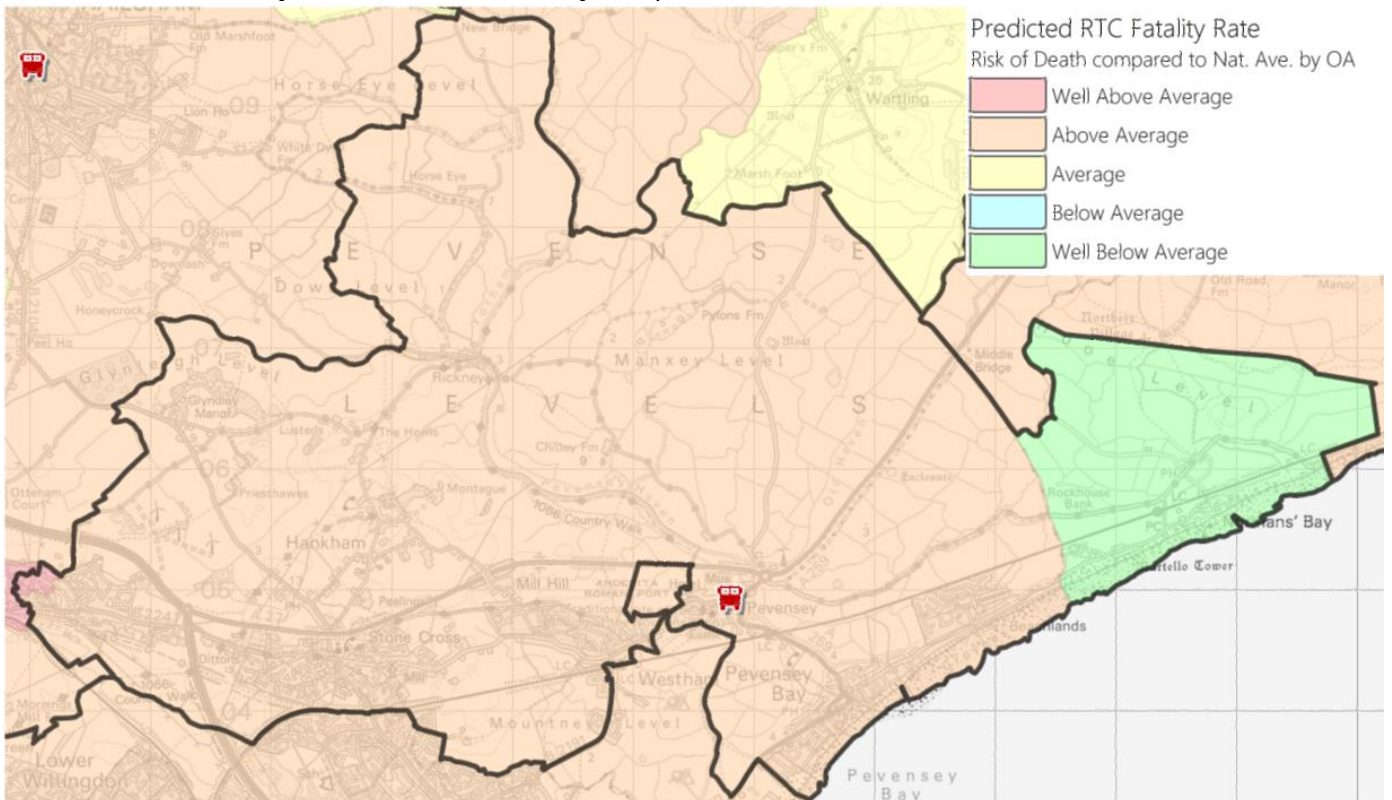
Incidents to which Pevensey appliance(s) were mobilised

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

The table below shows the average turn-out times of each pumping appliance at Pevensey. 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. The average turn-out time across the 9 years is 04:55, although over the past 3 years it is greater than 6 minutes. Out of all 33 pumping appliances, FJE77P1 has had the greatest variance in average turnout times – a difference of 02:39 (03:46 in 2011/12 and 06:19 in 2016/17)

Average turn-out times of Pevensey appliance(s)

Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE77P1	04:30	04:46	03:46	04:04	04:58	06:25	06:04	06:19	06:05

The following table shows the number of mobilisations the Pevensey 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 FJE77P1 have reduced by 50% (ranking 11th out of the 33 pumping appliances with greatest reduction in mobilisations). However, this isn't necessarily all down to a reduction in incidents but also a reduction 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
FJE77P1	197	168	162	146	113	63	79	83	99	-50
All ESFRS Incidents	12,759	11675	10376	9516	9772	9090	9215	9,405	9,737	-24

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

No. of Mobilisations to Incidents by FJE77P1 by Time of Day (2013-18)
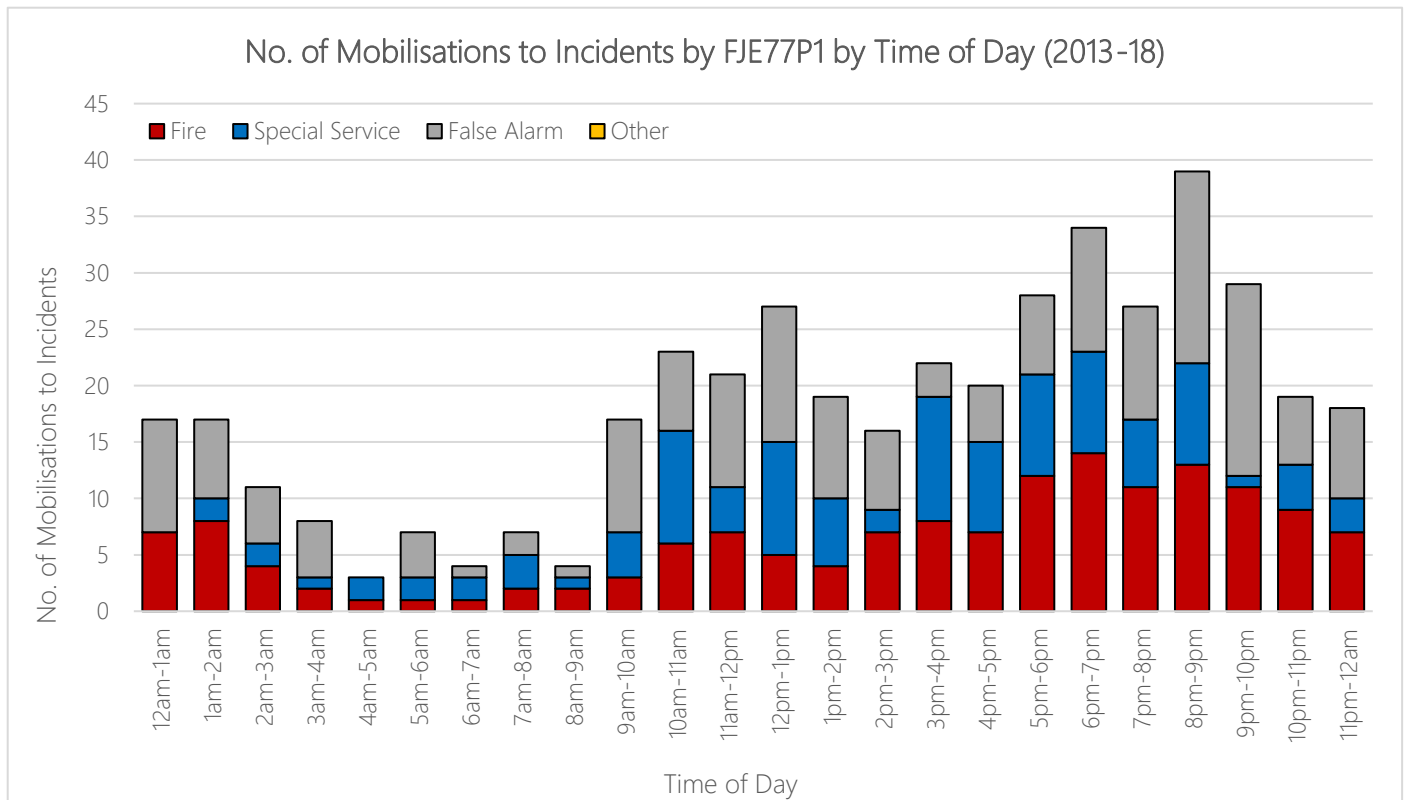
The following tables illustrate the types of incidents to which the Pevensey appliance has mobilised to over the past 5 years. FJE77P1 mobilises to a higher proportion of fire incidents compared with the rest of ESFRS – approximately 13% more, but proportionally 9% fewer false alarms.

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

	Incident Type	FJE77P1	%	All ESFRS Incidents	%
🟥	Fire	152	34.8	10,263	21.7
🟦	Special Service	111	25.4	13,332	28.2
⬜	False Alarm	174	39.8	22,838	48.4
🟨	Other	0	0.0	786	1.7
	All Incident Types	437	-	47,219	-

It can be seen that 13% of FJE77P1 mobilisations are to dwelling fires, which is over double the proportion compared to all ESFRS incidents (6%). Similarly, FJE77P1 mobilises to an RTC incident 11% of the time, which is greater than the ESFRS average of 5%.

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

| Incident Type	FJE77P1	%	All ESFRS Incidents	%
Primary Fire - Dwelling	58	13.3	2,871	6.1
Primary Fire - Non Residential	24	5.5	984	2.1
Primary Fire - Other Residential	9	2.1	265	0.6
Primary Fire - Other transport vehicle	0	0.0	14	0.0
Primary Fire - Outdoor	5	1.1	396	0.8
Primary Fire - Road Vehicle	10	2.3	1,256	2.7
Chimney Fire	16	3.7	717	1.5
Secondary Fire - Dwelling	1	0.2	25	0.1
Secondary Fire - Non Residential	1	0.2	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	26	5.9	3,561	7.5
Secondary Fire - Road Vehicle	2	0.5	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	16	3.7	1,050	2.2
Special Service - Assist other agencies	3	0.7	767	1.6
Special Service - Effecting Entry/Exit	5	1.1	1,817	3.8
Special Service - Evacuation (no fire)	0	0.0	13	0.0
Special Service - Flooding	9	2.1	1,956	4.1
Special Service - Hazardous Materials	0	0.0	133	0.3
Special Service - Lift Release	5	1.1	1,728	3.7
Special Service - Making Safe (not RTC)	7	1.6	834	1.8
Special Service - Medical Incident	1	0.2	101	0.2
Special Service - No action (not false alarm)	2	0.5	325	0.7
Special Service - Other rescue/release of persons	2	0.5	447	0.9
Special Service - Other Transport	3	0.7	136	0.3
Special Service - Removal of objects from people	1	0.2	261	0.6
Special Service - Removal of people from objects	0	0.0	146	0.3
Special Service - Rescue or evacuation from water	1	0.2	43	0.1
Special Service - RTC	46	10.5	2,374	5.0
Special Service - Spills and Leaks (not RTC)	2	0.5	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	7	1.6	471	1.0
Special Service - Water provision	0	0.0	8	0.0
False Alarm - Apparatus	85	19.5	15,820	33.5
False Alarm - Good Intent	86	19.7	6,255	13.2
False Alarm - Malicious	2	0.5	601	1.3
False Alarm - Unknown	1	0.2	162	0.3
Other	0	0.0	786	1.7
Total	437	-	47,219	-

The following table demonstrates the number of times each pumping appliance at Pevensey 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 Pevensey 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)

No. of Mobilisations to Incidents	Appliance Callsign	Battle	Bexhill	Eastbourne	Hailsham	Hastings Bohemia Rd	Heathfield	Herstmonceux	Hove	Lewes	Pevensey	Preston Circus	Roedean	Seaford	Uckfield	Outside ESFRS	Grand Total
5 Year Total (2013-18)	FJE77P1	1	30	160	29	13	2	16	1	1	169	2	3	1	1	8	437
Ave. Per Year	FJE77P1	0	6	32	6	3	0	3	0	0	34	0	1	0	0	2	87
% by Station Area	FJE77P1	0.2	6.9	36.6	6.6	3.0	0.5	3.7	0.2	0.2	38.7	0.5	0.7	0.2	0.2	1.8	100.0

It can be seen that the primary pumping appliance at Pevensey (77P1) is mobilised to an incident, on average, 87 times per year and on 39% of occasions, this is to its own station area. 37% of occasions it is mobilised into Eastbourne, and 7% of the time it is mobilised into Bexhill and Hailsham station areas respectively.

Between April 2013 and March 2018 there have been 437 mobilisations to incidents by a Pevensey appliance, as shown in the graph below.

Incidents to which Pevensey pumping appliance(s) mobilised by Station area (2013-18)
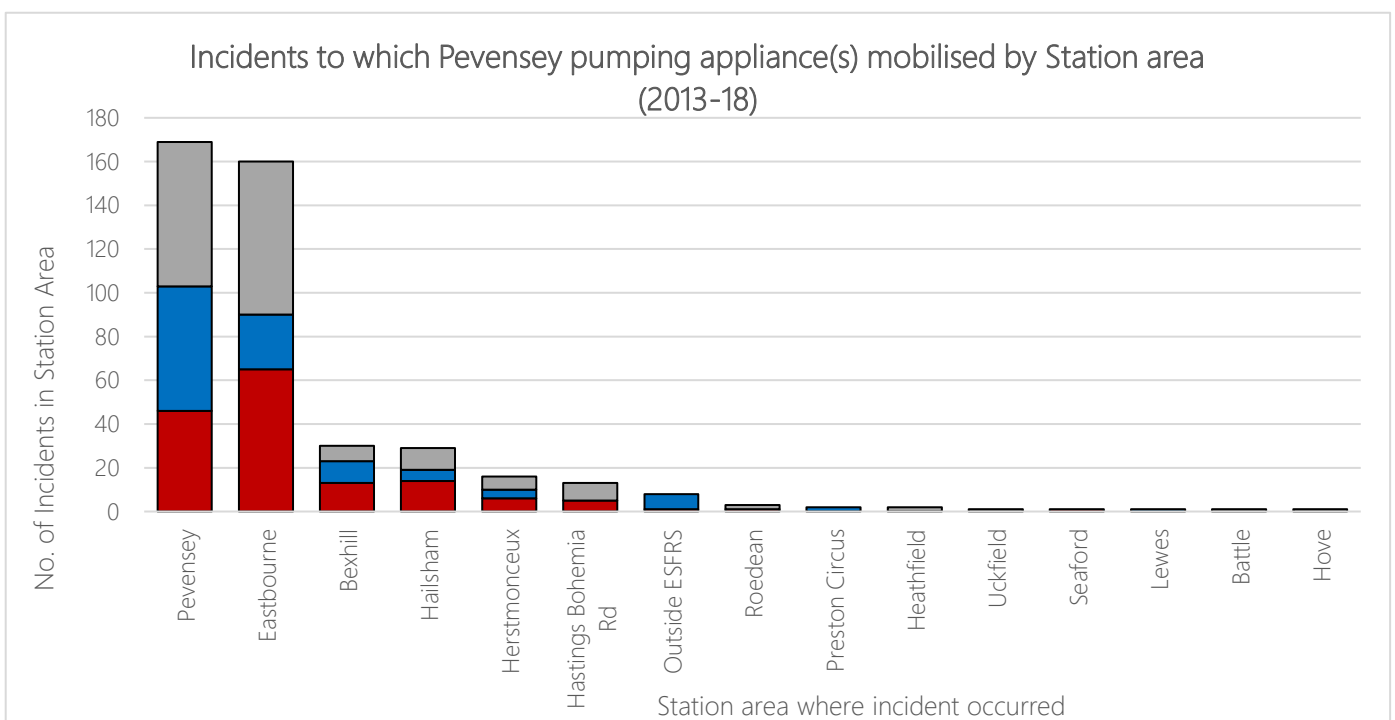
N.B. The overborder figure may be higher as these figures are calculated from data held within ESFRS Incident Recording System only. For over-border incidents where both Pevensey and an over-border FRS attend, the incident is recorded in the over-border FRS's Incident Recording System.

The following table demonstrates the number of times each pumping appliance at Pevensey 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 Pevensey appliance(s) may not have arrived at the incident due to being stood-down en-route. 77P1 mobilises to a critical incident, on average, 6 times per year and on 29% of occasions, this is within the Pevensey station area. 49% of occasions it is is Eastbourne and 10% in Bexhill.

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

No. of Mobilisations to Critical Incidents	Appliance Callsign	Bexhill	Eastbourne	Hailsham	Hastings Bohemia Rd	Lewes	Pevensey	Grand Total
5 Year Total (2013-18)	FJE77P1	3	15	2	1	1	9	31
Ave. Per Year	FJE77P1	1	3	0	0	0	2	6
% by Station Area	FJE77P1	9.7	48.4	6.5	3.2	3.2	29.0	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, FJE77P1 has met this standard, reaching 74% of all incidents within 15 minutes and 83% of critical incidents within 15 minutes.

Incidents attended within X minutes by FJE77P1 where first-arriving appliance (Apr 2013 – Mar 2018)

Performance of FJE77P1 as first arriving appliance	< 5 mins	< 8 mins	< 10 mins	< 13 mins	< 15 mins	< 20 mins	Total Incidents
All Incidents	7 (3%)	26 (11%)	70 (30%)	130 (57%)	171 (74%)	214 (93%)	230
Critical Incidents	0 (%)	0 (%)	2 (33%)	5 (83%)	5 (83%)	6 (100%)	6

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 FJE77P1 has consistently reduced over the 9 years so that it is now only available around 50% of the time, a reduction in availability of 40%.

Appliance Availability

Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE77P1	84.3	91.9	94.0	86.0	69.6	52.7	55.5	52.0	50.2

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

It can be seen that the availability of FJE77P1 dips below 50% between 5am and 8pm where it is available, on average, 35% of the time, before rising again to a maximum of around 75% availability between 11pm and 4am.

% Availability of Pevensey appliance(s) (2017-18)
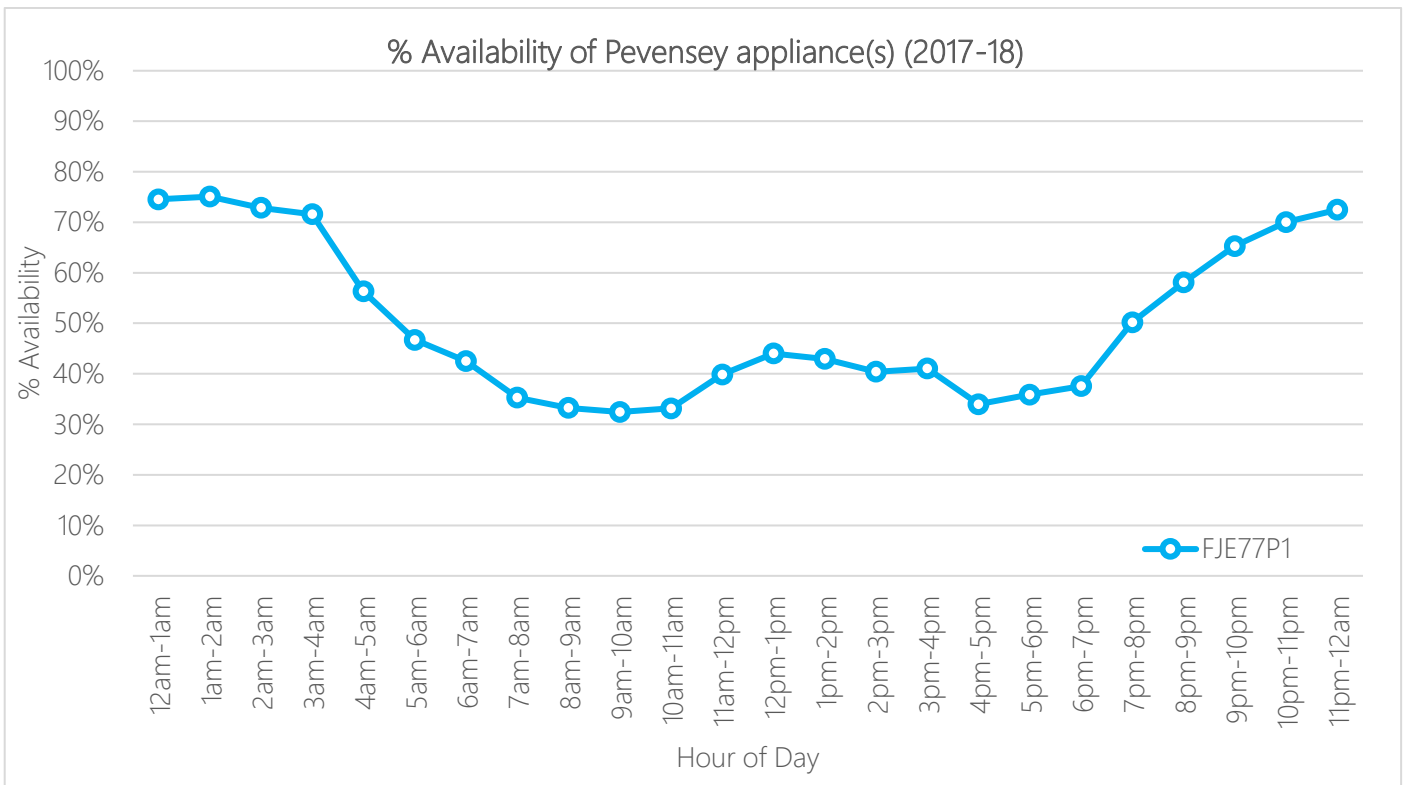
OTB attendances into Pevensey (where ESFRS did not attend)

There have been no over border attendances into Pevensey 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.

Pevensey appliances made 616 standby moves between April 2009 and March 2018, accounting for 6.1% of all standby moves for ESFRS. Over the 9 years, the number of standbys has fluctuated. However, the last 3 years have seen a consistent increase in the number of standby moves it undertakes per year, although this represents a decreasing proportion of all standby moves across ESFRS.

Standbys (% Service Wide Within Year)										
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Grand Total
Pevensey	60 (7.8%)	76 (9.6%)	92 (10.5%)	69 (7.3%)	60 (5.9%)	39 (4.7%)	61 (5.6%)	73 (4.7%)	86 (3.7%)	616 (6.1%)
ESFRS Total	773	795	877	947	1,010	835	1,086	1,556	2,301	10,180

45% of Pevensey's standbys are in Eastbourne and a further 40% are within Bexhill. This means that 41% of all the standbys at Eastbourne were by Pevensey, and 48% of all standbys at Bexhill were by Pevensey.

Pevensey appliances have also been called to standby in the Hastings area 64 times and in Battle 14 times.

Standby Locations (% Within Area / Appliance)		
Standby Location	77P1	Total Standbys at Location
Eastbourne	276 (44.8%)	669
Bexhill	248 (40.3%)	522
Hastings Bohemia	54 (8.8%)	1495
Battle	14 (2.3%)	659
Hastings Ridge	10 (1.6%)	1245
Newhaven	7 (1.1%)	507
Uckfield	2 (0.3%)	730
Lewes	2 (0.3%)	1142
Heathfield	1 (0.2%)	23
Hailsham	1 (0.2%)	10
Other	1 (0.2%)	13
Total	616 (100%)	-

Special Appliances
There are no special appliances based at Pevensey fire station.

Prevention – Home Fire Safety

Between January 2005 and February 2019, a total of 1,649 HSVs have been undertaken within Pevensey Station Admin area. These figures includes re-visits to the same property over the years. This equates to 1,229 unique households which have had a Home Safety Visit.

Over the last five years (Apr 2013 – Mar 2018), an average of 143 HSVs were undertaken each year – making up approximately 1.4% of all HSVs undertaken across the ESFRS area. 0.1% of HSVs undertaken in Pevensey station area sit outside the attendance standards isochrone. 22.8% of all households in Pevensey station area have had a Home Safety Visit; slightly below the ESFRS total of 25.5%.
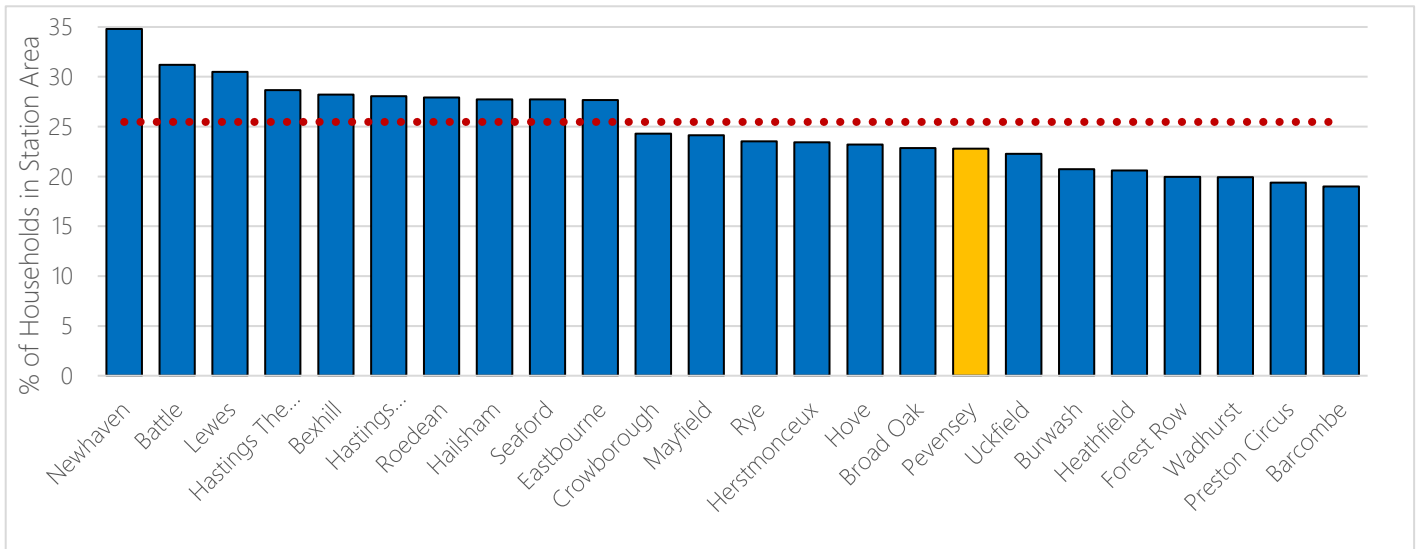
Total No. of HSVs completed in Pevensey Station Area (Jan 2005 – Feb 2019)
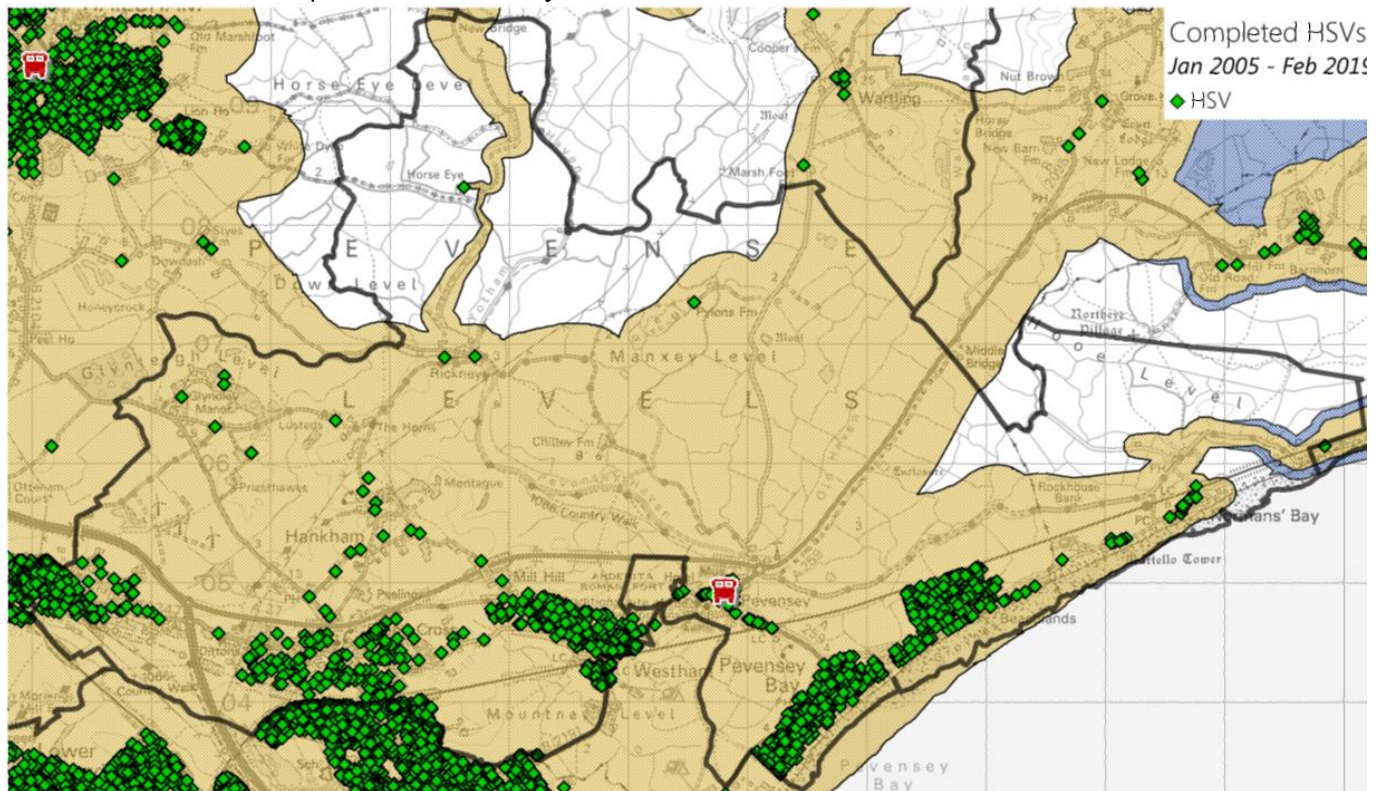
Protection – Business Safety

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)
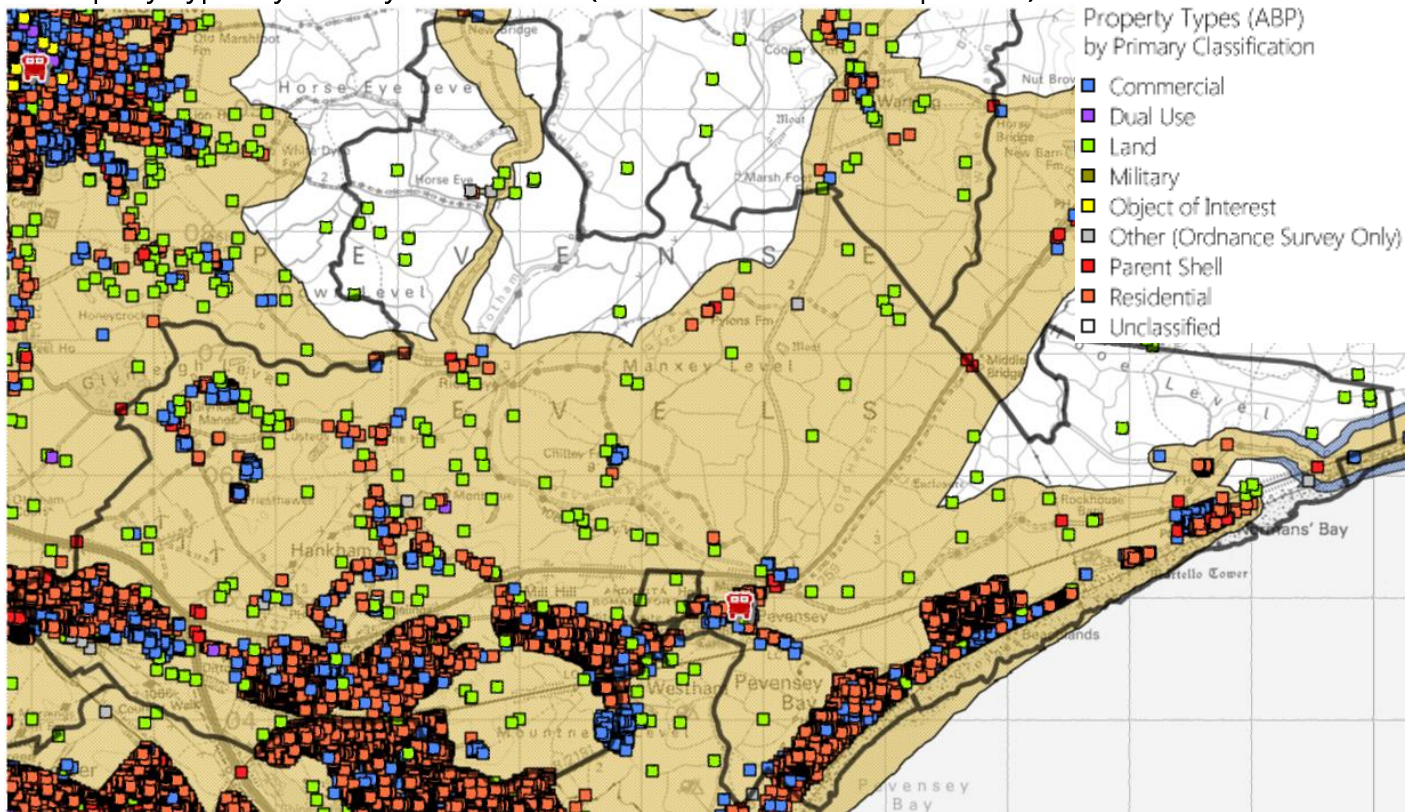
Station Admin Area	Total No. of Commercial Properties	Within Attendance Standard (Day)	%	Within Attendance Standard (Night)	%
Pevensey	804	804	100.0	804	100.0

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

All commercial properties sit inside the attendance standards isochrone.

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

Hospital	Care Home	Hostel	Hotel
0	3	0	2

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 Pevensey Station area. An average of 3 Business Safety Audits are completed per year, which makes up approximately 0.5% of audits undertaken by ESFRS each year. There were no audits undertaken in 2017/18.

Business Safety Audits by Property Type (% within area)
All audits in CRM up to 04/2019 (Excludes 'In Progress')

Property Type	Pevensey	ESFRS
A - Hospitals & Prisons	0 (0%)	180 (2.4%)
B - Care Home	9 (23.1%)	1,595 (21.4%)
D - Purpose Built Flats > 3 Stories	0 (0%)	398 (5.4%)
E - Hostel	4 (10.3%)	139 (1.9%)
F - Hotel	10 (25.6%)	1,379 (18.5%)
G - House Converted to Flats	0 (0%)	240 (3.2%)
H - Other Sleeping Accom.	0 (0%)	1,009 (13.6%)
J - Further Education	0 (0%)	31 (0.4%)
K - Public Building	0 (0%)	25 (0.3%)
L - Licensed Premises	11 (28.2%)	890 (12%)
M - School	1 (2.6%)	148 (2%)
N - Shop	1 (2.6%)	562 (7.6%)
P - Other Public Premises	0 (0%)	231 (3.1%)
R - Factory/Warehouse	3 (7.7%)	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%)
Total	39	7,436

Business Safety Audits by Year

| Station Area	2013/14	2014/15	2015/16	2016/17	2017/18	Total	Ave. per Yr	%
Pevensey	5	1	3	4	0	13	3	0.5

🏗️ 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 7 allocated sites with a total of 833 dwellings across these areas, all in proximity to Stone Cross. These areas all fall within the attendance standards isochrones.

Commercial

There are no commercial development sites within Pevensey station area.

Development areas – allocated sites
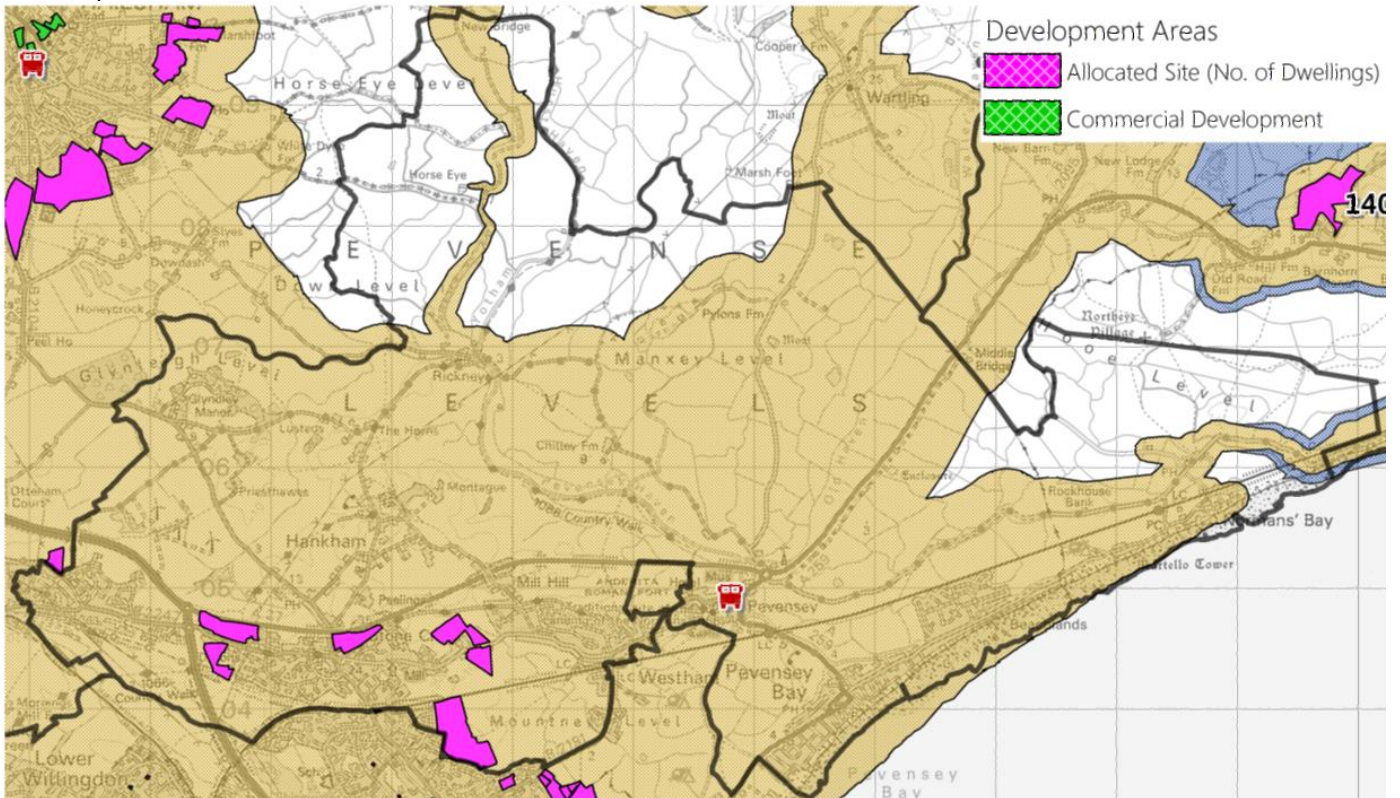
🏞️ Road Risk

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 Pevensey Station area, broken down by Road type. There is approximately 99km of Road within Pevensey station area, 11% of which are A Roads (the A259 and the A27).

Road Type	Pevensey	ESFRS
A Road	11km (11%)	521km (10%)
B Road	8km (8%)	302km (6%)
Classified Unnumbered	10km (10%)	759km (14%)
Total Classified Roads	29km (29%)	3,779km (30%)
Not Classified/Unclassified	70km (71%)	1,582km (70%)
Total All Road Types	99km (100%)	5,361km (100%)

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 Pevensey 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)
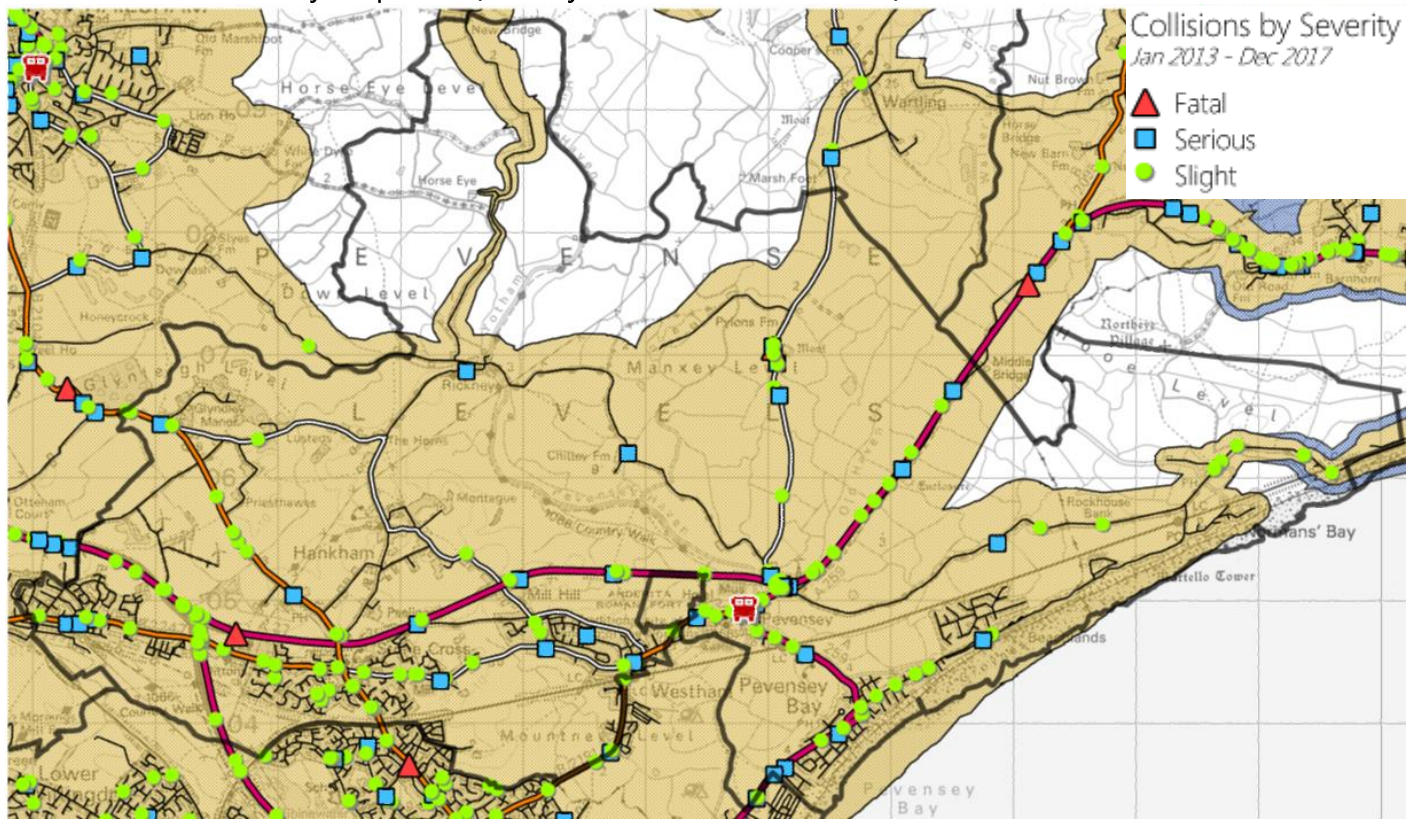
Collision Severity	Pevensey	ESFRS
Fatal	2 (1.3%)	112 (1.1%)
Serious	33 (20.9%)	2,235 (21%)
Slight	123 (77.8%)	8,307 (78%)
Total	158	10,654
Ave. per Year	32	2,131

There are, on average, 32 KSI collisions per year in Pevensey station area. 22.2% of collisions result in serious or fatal injuries and this proportion is in line with ESFRS overall.

Out of the 158 collisions, there were none that sit outside of the attendance standards isochrones. 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
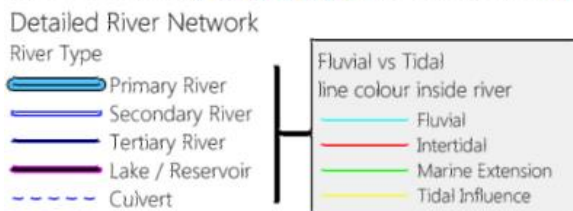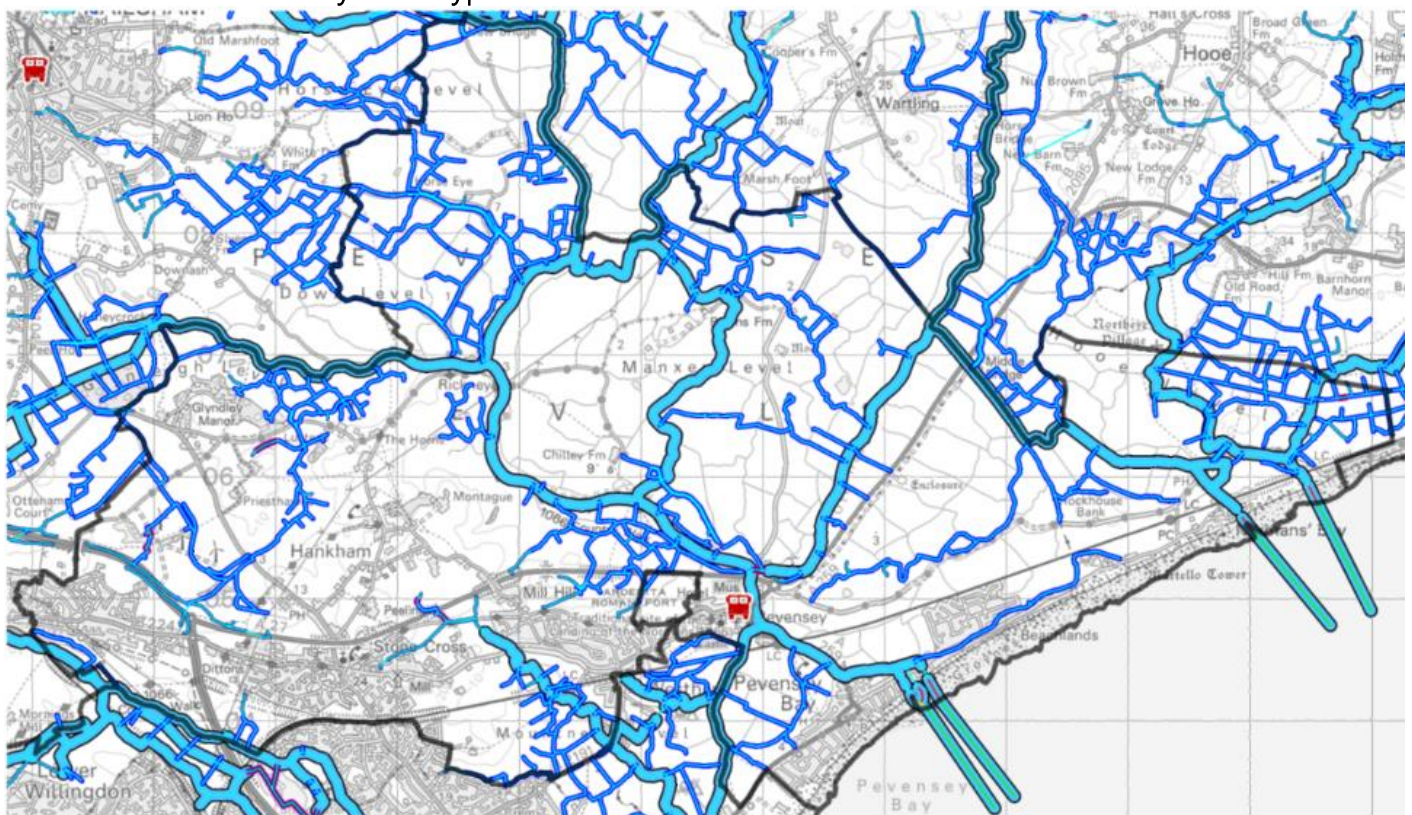
The table below shows the total length of rivers by type and whether the river is fluvial or tidal. It can be seen that there are 107km of rivers within the Pevensey station area, which makes up approximately 2.7% of all rivers across the ESFRs area. This ranks Pevensey station area as 17 out of the 24 station areas.

Pevensey has 75km of secondary rivers, which is the 4th highest proportion of secondary rivers compared to other ESFRS areas (6.6%); the majority of these are spread across the Pevensey Levels.

14.3% of all intertidal rivers are within Pevensey station area, ranking Pevensey 3rd out of all ESFRS areas.

Pevensey station area covers 5.2km of coastline, from Pevensey Bay, through Beachlands to Normans Bay.

River Type	Fluvial vs Tidal	Pevensey River Length (km)	%	ESFRS River Length	%
Primary River	Fluvial	20.95	19.6	613.07	15.6
Primary River	Intertidal	0.71	0.7	2.02	0.1
Primary River	Marine Extension	1.00	0.9	6.25	0.2
Primary River	Tidal Influence	0.13	0.1	41.19	1.0
	Total Primary	*22.79*	*21.3*	*662.53*	*16.9*
Secondary River	Fluvial	74.83	70.0	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
	Total Secondary	*74.83*	*70.0*	*1,130.62*	*28.8*
Tertiary River	Fluvial	7.49	7.0	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
	Total Tertiary	*7.49*	*7.0*	*1,908.22*	*48.6*
Lake / Reservoir	Fluvial	0.51	0.5	111.25	2.8
Culvert	Fluvial	1.34	1.3	111.24	2.8
	Total Fluvial	*105.12*	*98.3*	*3,864.01*	*98.5*
	Total Intertidal	*0.71*	*0.7*	*4.97*	*0.1*
	Total Marine Extension	*1.00*	*0.9*	*12.47*	*0.3*
	Total Tidal Influence	*0.13*	*0.1*	*42.40*	*1.1*
	Grand Total	107	100	3,923.85	100

Heritage Risk

The following map shows the location of different types of heritage risk dispersed across the station area. The vast majority of heritage risk is within the attendance standards isochrones. There is a scheduled monument that sits well outside the attendance standards isochrones on the Hooe Level – this is the deserted medieval village of Northeye.
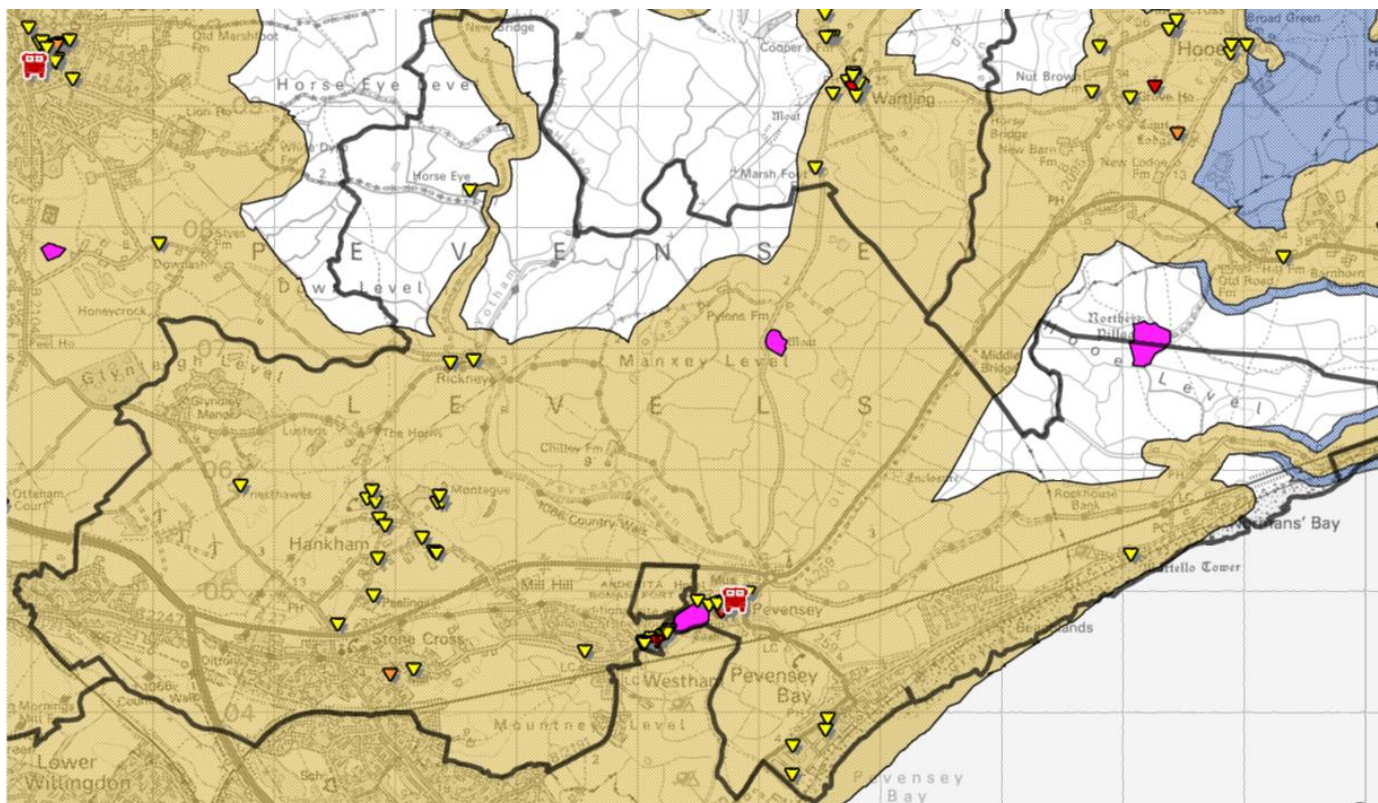
▼	Grade I Listed Building		Battlefield		Protected Wreck
▼	Grade II* Listed Building		Park & Garden		Scheduled Monument
▼	Grade II Listed Building				

Grade	# in Area	Within Attendance Standard (Day)	%	Within Attendance Standard (Night)	%
I	1	1	100.0	1	100.0
II*	3	3	100.0	3	100.0
II	43	42	97.7	42	97.7
Total	47	46	97.9	46	97.9

There is one grade I listed building within Pevensey station area – the parish church of St Nicolas which is very close to the fire station. Similarly, Pevensey Castle, a scheduled monument is in close proximity to the fire station. There is 1 grade II listed building outside of the attendance standards isochrone – this is Horse Eye in the north of the station area above Rickney.

Environmental Risk

The following map shows a breakdown of various environmental risks across Pevensey station area. Due to much of the area being low-lying, there are large areas that are covered by the Environment Agency's Flood Zone data. Whilst the fire station itself is not in a flood risk area, its access eastward is effectively cut off due to the roads intersecting the flood zones.

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 are, on average, 2 incidents per year in Pevensey station area classified as "special service – flooding". This equates to 2.5% of all incidents in Pevensey and is lower than the ESFRS proportion of 4.2% per year.

There is 1 biological Sites of Special Scientific Interest (SSSIs) in Pevensey station area – the Pevensey Levels.
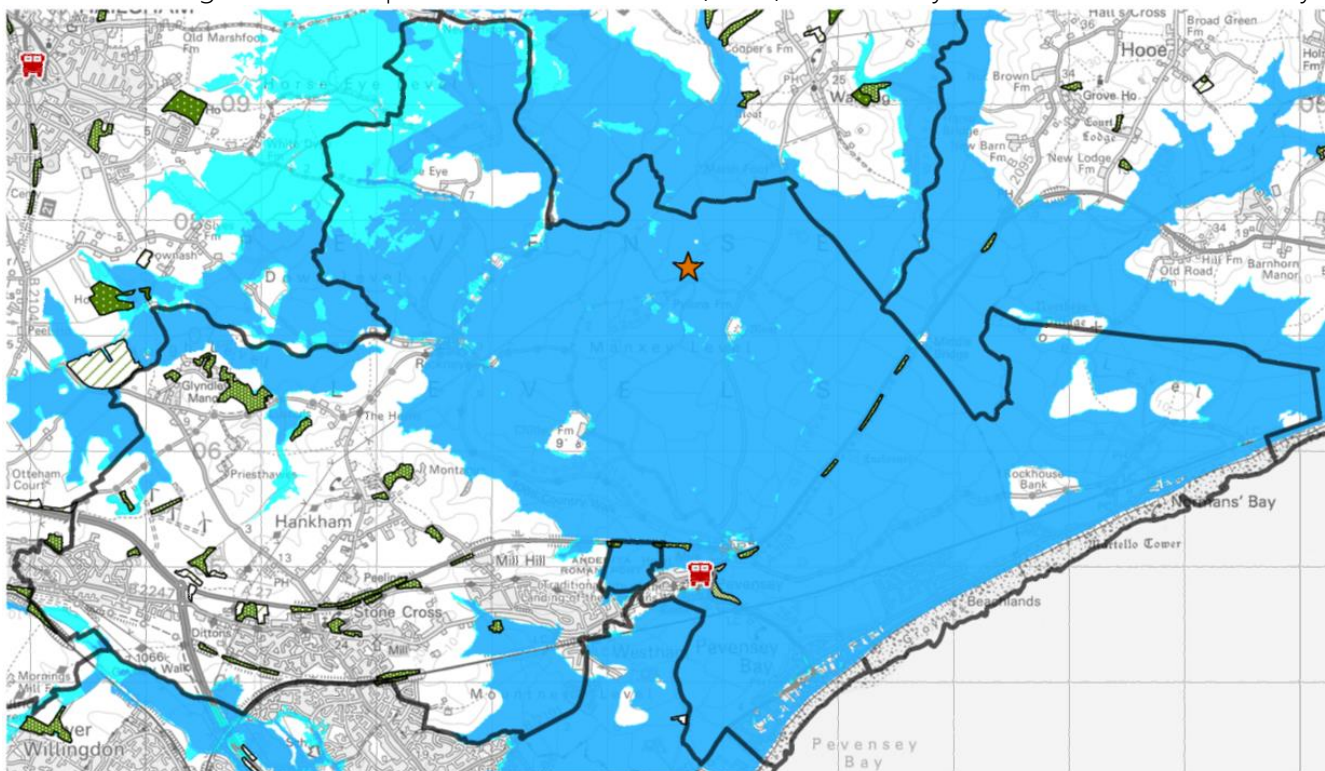
Site of Special Scientific Interest
- Local Nature Reserve
- SSSI Biological
- SSSI Geological
- SSSI Mixed

National Forest Inventory
- Non woodland
- Woodland

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

- Agriculture land
- Assumed woodland
- Bare area
- Broadleaved
- Conifer
- Coppice
- Coppice with standards
- Felled
- Grassland
- Ground prep

- Low density
- Mixed mainly broadleaved
- Mixed mainly conifer
- Open water
- Other vegetation
- Quarry
- Shrub
- Urban
- Young trees

⚠️ Special Risk (Operational Risk)

Site-Specific Risk Information (SSRI)

There are a total of 4 SSRIs (Levels 1-3) within the Pevensey Station Admin area, three of which are Level 2, as shown in the table below.

SSRI Risk	Pevensey	ESFRS
Level 1	0 (0.0%)	25 (3.1%)
Level 2	3 (75.0%)	294 (36.3%)
Level 3	1 (25.0%)	461 (56.9%)
Total	4	810

The map below shows the location of these SSRIs. All 4 are within the attendance standard isochrone.
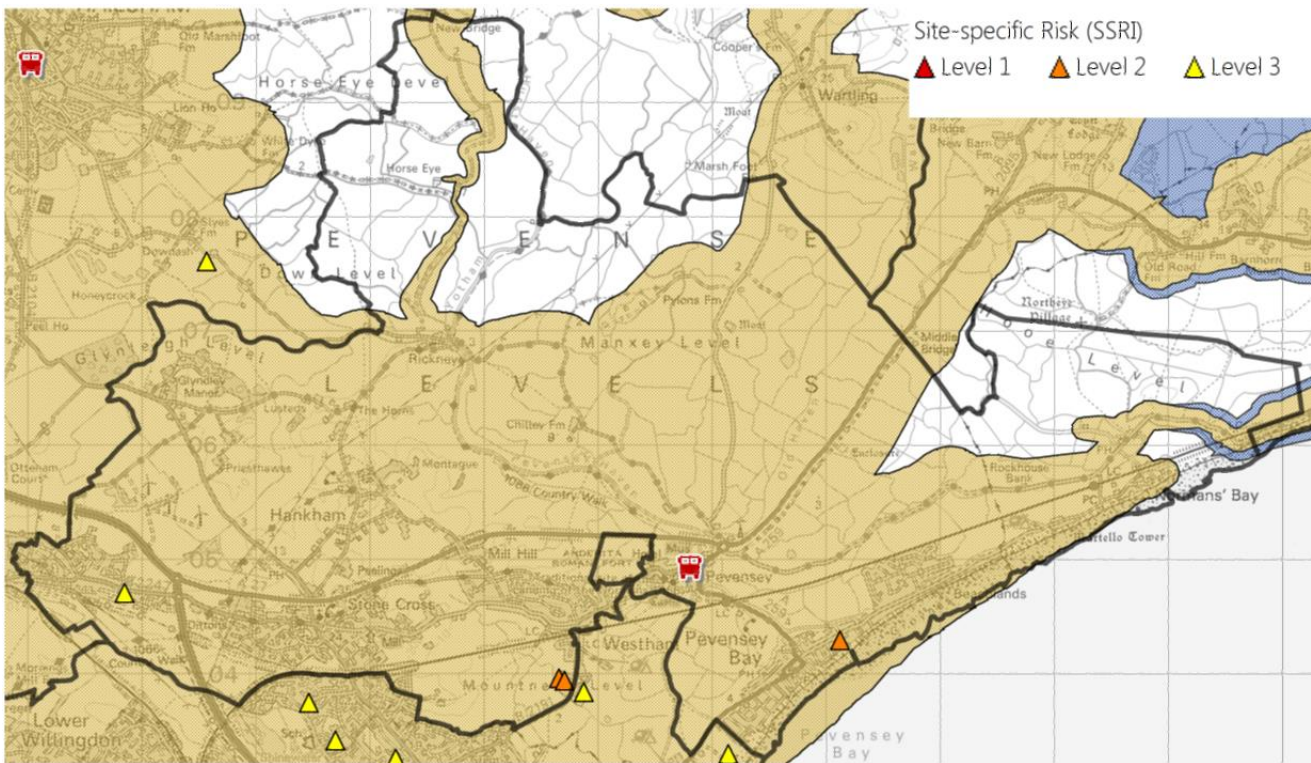
High-Rise Risk

There are no high rise premises in Pevensey station area (properties ≥6 floors)

Special Risk

There are no COMAH sites in Pevensey station area.

Over border risks

Station area does not intersect other FRS boundary.