

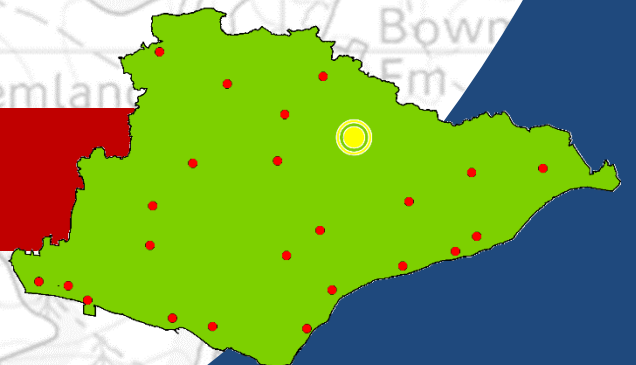


2020

Burwash



Station Risk Profile



Contents

Burwash Station Area – Headline Summary.....	3
Overview	6
Population Demographics	7
Household Demographics	10
Census 2011 Household Breakdown.....	10
Mosaic Public Sector Household Breakdown	11
Incidents.....	16
Incidents occurring within Burwash Station Area.....	16
Incidents to which Burwash appliance(s) were mobilised.....	32
OTB attendances into Burwash (where ESFRS did not attend)	37
Standby cover moves.....	37
Special Appliances.....	38
Prevention – Home Fire Safety	39
Protection – Business Safety	40
Developments	42
Residential	42
Commercial.....	42
Road Risk	43
Water Risk.....	45
Heritage Risk.....	47
Environmental Risk	48
Special Risk (Operational Risk)	49
Site-Specific Risk Information (SSRI)	49
High-Rise Risk.....	50
Special Risk.....	50
Over border risks.....	50

Burwash Station Area – Headline Summary



- Burwash station area covers approximately **101 sq. km.**
- Area is predominately rural.
- British Gypsum mined and processed at Brightling.
- Operational cover provided by a single on-call fire engine.



- **8,711** residents within Burwash station area.
- A net increase of **246** since 2011 Census.
- **3rd** lowest population density in ESFRS, widely dispersed across area.
- Lower proportions of 18-40yrs than ESFRS average.



- **83%** of households are within attendance standards (**97%** at night).
- **21%** high risk (socio-demographic). **11%** outside attendance standards (**7%** at night) – mainly based in Robertsbridge.
- Lower proportion of lone pensioners and lone parents than ESFRS average.
- Lower proportion of rented accommodation than ESFRS average.

Station area



- Incidents have decreased by **25%** overall since 2009; consistent decrease over past 5 years.
- There are **92** incidents per year within Burwash station area; **6th** busiest on-call area.
- Combined numbers of fires and special service calls through winter months (Dec-Feb) similar to July.
- **55%** during the day. Rise from 8am.
- **10%** of incidents outside attendance standards isochrones during day (**6th** highest proportion of all station areas). These are in outlying villages, particularly in Robertsbridge.
- RTCs represent **2nd** highest incident type in area (**8%** higher than ESFRS average).
- **8** critical life-risk incidents per year (**73%** during day). Life-risk fire injuries/rescues lowest of on-call areas (joint with Herstmonceux).
- Attendance times, on average, slightly slower than other on-call station areas.
- **6** minute delay between 1st & 2nd appliance to Dwelling Fires – **2** minutes quicker than other on-call areas. **4:44** delay to RTCs

- 67% of incidents are attended by a single appliance.
- 24% of 2nd pump attendances were by 72P1, 18% 82P5, 15% 78P5.
- 0 level 3+ incidents within last 9 years of review period.

Station appliance(s)

74P1

- Turn-out time is **05:31** (consistent increase over last 5 years).
- **96%** increase in mobilisations over 9 years – greatest of all pumps.
- Mobilises **110** times per year – **52%** in own area, **18%** in Wadhurst, **17%** in Heathfield, **4%** OTB.
- Attends **3%** more fires and **4%** fewer false alarms than ESFRS.
- Mobilises to **11** critical incidents per year – **43%** in own area, **20%** in Wadhurst, **20%** in Heathfield, **4%** OTB.
- **66%** of incidents reached in 15 minutes (**48%** critical).
- **84%** availability in 2017/18 (74% improvement over 9 years).

Standby moves

- **30** cover moves per year – **36%** in Hastings, **25%** in Battle.

Special Appliances

- There are no special appliances based at Burwash fire station.



- **751** Home Safety Visits to unique properties undertaken.
- **21%** of all households have had HSV.



- **24%** of commercial properties are outside attendance standards (decreasing to **9%** at night). Majority are based in Robertsbridge.
- **3** Business Safety Audits per year, **48%** of which are to care homes.
- **0** Hospitals, **2** Care Homes & **1** Hotel in area.



- **211** dwellings across **6** sites. Majority of these outside attendance standards isochrones in Robertsbridge area.
- **2** commercial development areas, to north of Robertsbridge – outside attendance standard isochrones.



- 32 KSI collisions per year. Proportion of serious/fatal collisions **9.4%** higher than ESFRS.
- 4 were outside attendance standards isochrones – slight injuries.



- 286km of rivers (**7.3%** of ESFRS rivers). Ranks **4** out of **24** areas.
- 43km of primary rivers – **5th** highest proportion compared to other ESFRS areas (**6.4%**)



- 391 listed buildings (**1.5%** Grade I incl. Bateman's – Rudyard Kipling's Home). **85%** in attendance standard isochrones during day (**92%** at night).
- 3 Grade I properties outside attendance standards isochrones – St. Mary's Church (Salehurst), The Abbey (Robertsbridge) & St Thomas a Becket Church (Brightling).



- Flood risk from River Dudwell and River Rother. ESFRS respond to 1 flooding incident per year (**1.5%** of all incidents in area). Lower rate than ESFRS average.
- 2 SSSI sites – Dallington Forest & Willingford Meadows – extended travel times to these areas.
- Woodland across the south of the station area.



- 10 Level 1 or Level 2 SSRI – **2nd** highest proportion of Level 1s to all SSRI across ESFRS – **11%** of all Level 1.
- 3 level 2 SSRI outside isochrones – around Robertsbridge.
- No COMAH sites within station area.
- No high-rise properties within area.
- British Gypsum mines (Level 1 SSRI) pose risk due to subterranean nature. Also one of largest employers in local area which makes significant economic contribution to local vicinity.
- 12km of Burwash's station area is shared with Kent FRS. No significant over-border risks.



Overview

Burwash Station Area covers an area of approximately 101 square kilometres (5.6% of ESFRS area), predominantly rural in nature.

The population is widely dispersed throughout the station area with just 23% within the town of Burwash itself. Burwash is a rural village, situated 15 miles from Hastings and is located five miles south-west of Hurst Green on the A265, and on the River Dudwell, a tributary of the River Rother. The High Street has been designated a Conservation area to preserve the character of the village and to strictly control building within the area. Burwash is located within the High Weald Area of Outstanding Natural Beauty.

The Fire Station is located within the centre of the town of Burwash itself. The first established station in 1929 was situated in a garage at the rear of "The Bell" Public House in the High Street. The current station at Shrub Lane was Officially opened on the 30th August 2001.

It serves the villages of Hurst Green, Salehurst, Brightling, Burwash Common, Etchingham and parts of Stonegate and Robertsbridge fall within the area. Burwash has one exception to its rural risk, the British Gypsum Mines at Brightling. Here gypsum is mined and processed.

Station Resources

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

1 x Extended Rescue Pump (FJE74P1)

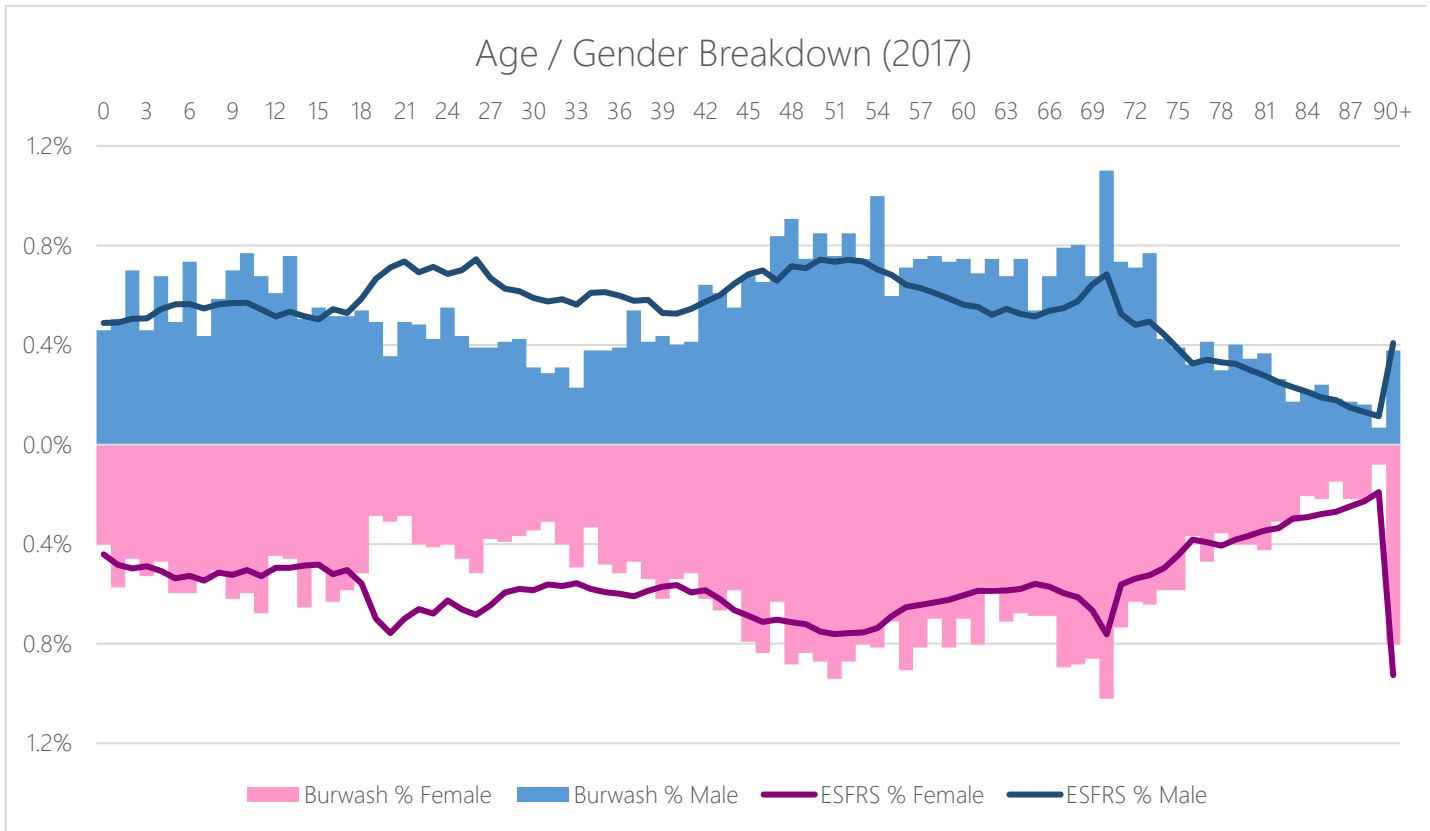
Volvo Extended Rescue Pump carrying a variety of ladders including a 12 metre ladder, 1800 litres water and a pump capable of supplying 2250 litres/min. It is a multi-purpose appliance carrying a large amount of equipment including dedicated hydraulic rescue tools, water safety and rescue equipment,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



Population Demographics

The population in Burwash is slightly older compared to the rest of ESFRS. There are fewer persons aged 18-40, however there are more children (0-17 years).

6% of Burwash's population is aged 18-24, this is lower than the service average of 9.5%. This is also the case for 25-49yrs, 26% in Burwash compared to 31% service wide. There is a greater proportion of 65-79yrs in Burwash (19%) than the service average (15%), this is also the case for 50-64yrs (23% in Burwash, compared to 20% for ESFRS).



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
Burwash	962 (11%)	822 (9.4%)	519 (6%)	2,239 (25.7%)	2,010 (23.1%)	1,644 (18.9%)	412 (4.7%)	103 (1.2%)	8,711
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 Burwash 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 only 81% of 65+ year olds are within the attendance standard isochrones during the day, extending to 96% at night. This ranks Burwash 23 out of the 24 stations (or 11 out of the 12 on-call station areas). The majority of these would be situated in and around Robertsbridge.

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

	Station Admin Area	No. of persons	% in Att. Std. Isochrone (Day)	% in Att. Std. Isochrone (Night)
65+ Yrs	Burwash	2,184	80.6	95.8
	ESFRS	179,534	96.5	97.2
80+Yrs	Burwash	552	79.0	96.6
	ESFRS	51,372	96.8	97.4

Due to its rural composition, Burwash has one of the lowest population densities in ESFRS, with 0.9 persons per hectare it ranks as the 3rd least populated station area. Only Broad Oak (0.8), and Herstmonceux (0.7) have fewer persons per hectare. The area's population is estimated to have increased by 246 from 2011-2017, this increased the population density by 0.1 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
10,145	8,465	8,711	0.8	0.9	0.0	22	4.5	4.7

The general health in Burwash can be seen as better than the ESFRS average. Almost half of the population (49%) are identified as having very good health, this is higher than the service average of 46%. Also, there are lower proportions of persons who have bad health (2.8% in Burwash, 4.3% for ESFRS) and very bad health (0.8% in Burwash, 1.3% for ESFRS).

General Health - Persons (2011) - % Within Area						
	Very good health	Good health	Fair health	Bad health	Very bad health	Total
Burwash	4,153 (49.1%)	2,973 (35.1%)	1,030 (12.2%)	240 (2.8%)	69 (0.8%)	8,465
ESFRS	365,370 (45.7%)	279,665 (35%)	110,093 (13.8%)	34,749 (4.3%)	10,163 (1.3%)	800,040

The table below is a further reflection of the good health in Burwash. The proportion of persons whose day to day activities are limited is lower than the service average, 83% of the population in Burwash are not limited, compared to 81% for the service.

	Day-to-day activities limited - Persons (2011) - % Within Area			
	Limited a lot	Limited a little	Not limited	Total
Burwash	575 (6.8%)	843 (10%)	7,047 (83.2%)	8,465
ESFRS	68,688 (8.6%)	83,026 (10.4%)	648,326 (81%)	800,040

There are proportionally more self-employed persons in Burwash (20%) compared to the service average (13%). Furthermore, there are fewer unemployed persons in Burwash (2%) than the ESFRS average (4%). There are similar levels of retired persons in Burwash compared to the rest of the service.

Economic Activity - All usual residents aged 16 to 74 (2011)			Burwash	ESFRS
Economically active	Part-time	Employee	756 (12.5%)	82,644 (14.1%)
		Self-employed without employees	361 (6%)	22,199 (3.8%)
		Self-employed with employees	29 (0.5%)	2,591 (0.4%)
	Full-time	Employee	1,927 (31.9%)	201,532 (34.4%)
		Self-employed without employees	603 (10%)	40,181 (6.9%)
		Self-employed with employees	192 (3.2%)	12,514 (2.1%)
		Un-employed	141 (2.3%)	21,321 (3.6%)
	Full-time student	105 (1.7%)	22,823 (3.9%)	
Economically inactive		Retired	988 (16.3%)	86,361 (14.8%)
		Student (including full-time students)	234 (3.9%)	35,446 (6.1%)
		Looking after home or family	301 (5%)	22,914 (3.9%)
		Long-term sick or disabled	194 (3.2%)	24,201 (4.1%)
		Other	215 (3.6%)	10,583 (1.8%)
Total			6,046	585,310



Household Demographics

Census 2011 Household Breakdown

There are proportionally more detached houses/bungalows in Burwash (48%), compared to the ESFRS average (25%). There are far fewer flats in Burwash than the rest of the service, 4% of households are purpose flats in Burwash, compared to 19% as the service average. This is also the case for converted flats, 2% in Burwash, compared to 11% as the ESFRS average.

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		
Burwash	1,628 (48.3%)	951 (28.2%)	547 (16.2%)	137 (4.1%)	64 (1.9%)	28 (0.8%)	16 (0.5%)	0 (0%)	3,371
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

Burwash has proportionally fewer lone pensioners (13%, compared to 15% service wide) and fewer lone parent households (4%, compared to 7% service wide). There are no all full time student households.

Household Composition - Households (2011)				
	Lone Pensioner (65+)	All full-time students	Lone parent with dependent children	All Households
Burwash	426 (12.6%)	0 (0%)	148 (4.4%)	3,371
ESFRS	52,103 (14.7%)	3,224 (0.9%)	22,980 (6.5%)	353,445

There are proportionally more households that are owned outright in Burwash (41%) than the service average (33%). This is also the case for mortgaged households (37% in Burwash, compared to 31% service wide). There are fewer households that are rented, with 9% rented from private landlords/letting agents compared to 20% service wide.

Household Tenure - Households (2011)									
	Owned			Social rented:		Private rented:		Living rent free	Total
	Outright	Mortgage or loan	Shared ownership	Rented from council	Other	Private landlord or letting agency	Other		
Burwash	1,382 (41%)	1,242 (36.8%)	11 (0.3%)	51 (1.5%)	277 (8.2%)	306 (9.1%)	40 (1.2%)	62 (1.8%)	3,371
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. Burwash isn't an overcrowded area, half (50%) of all the households have at least 2 spare bedrooms, this is higher than the service average of 31%. Furthermore, there are lower proportions of households that have a negative occupancy rating.

Occupancy Rating (Spare Bedrooms) - Households (2011)						
	<i>Under-occupied</i>		<i>Standard</i>	<i>Overcrowded</i>		Total
	+2 or more	+1	0	-1	-2 or less	
Burwash	1,700 (50.4%)	1,042 (30.9%)	569 (16.9%)	55 (1.6%)	5 (0.1%)	3,371
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 3,581 households within Burwash station area, broken down by the 15 summary Mosaic Lifestyle groups.

Mosaic Lifestyle Group	Burwash	%	ESFRS	%
A - Country Living	2,080	58.1	30,907	8.5
B - Prestige Positions	134	3.7	27,774	7.6
C - City Prosperity	0	0.0	21,862	6.0
D - Domestic Success	41	1.1	27,215	7.5
E - Suburban Stability	17	0.5	24,684	6.8
F - Senior Security	1	0.0	39,762	10.9
G - Rural Reality	1,270	35.5	17,553	4.8
H - Aspiring Homemakers	36	1.0	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	1	0.0	20,841	5.7
N - Vintage Value	1	0.0	26,701	7.3
O - Municipal Challenge	0	0.0	11,485	3.2
Total	3,581	100	363,652	100

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 Burwash Station area are:

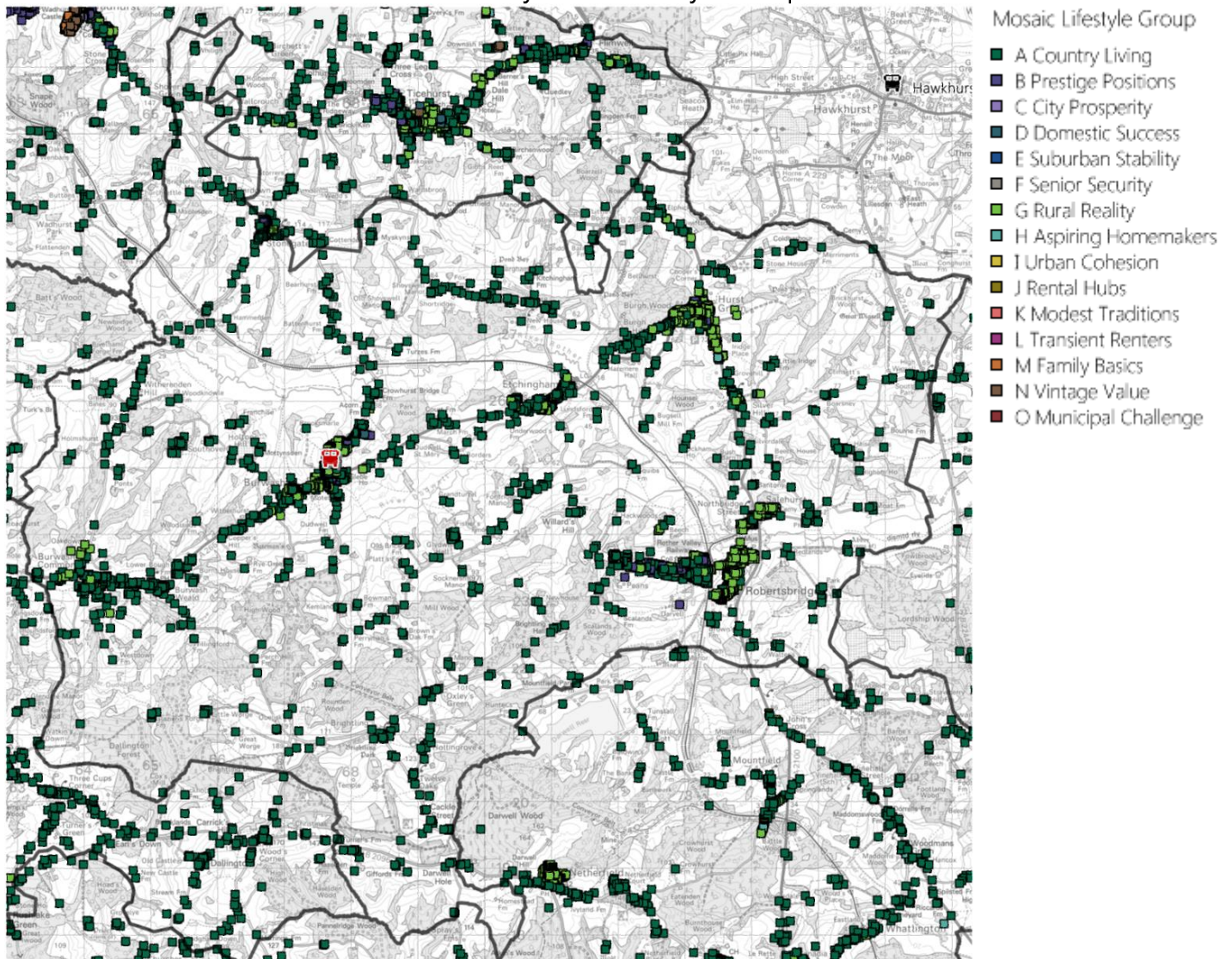
A03 - Wealthy Landowners: Prosperous owners of country houses including the rural upper class, successful farmers and second-home owners

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

A04 - Village Retirement: Retirees enjoying pleasant village locations with amenities to service their social and practical needs

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 Burwash Station Admin area by Mosaic Lifestyle Group

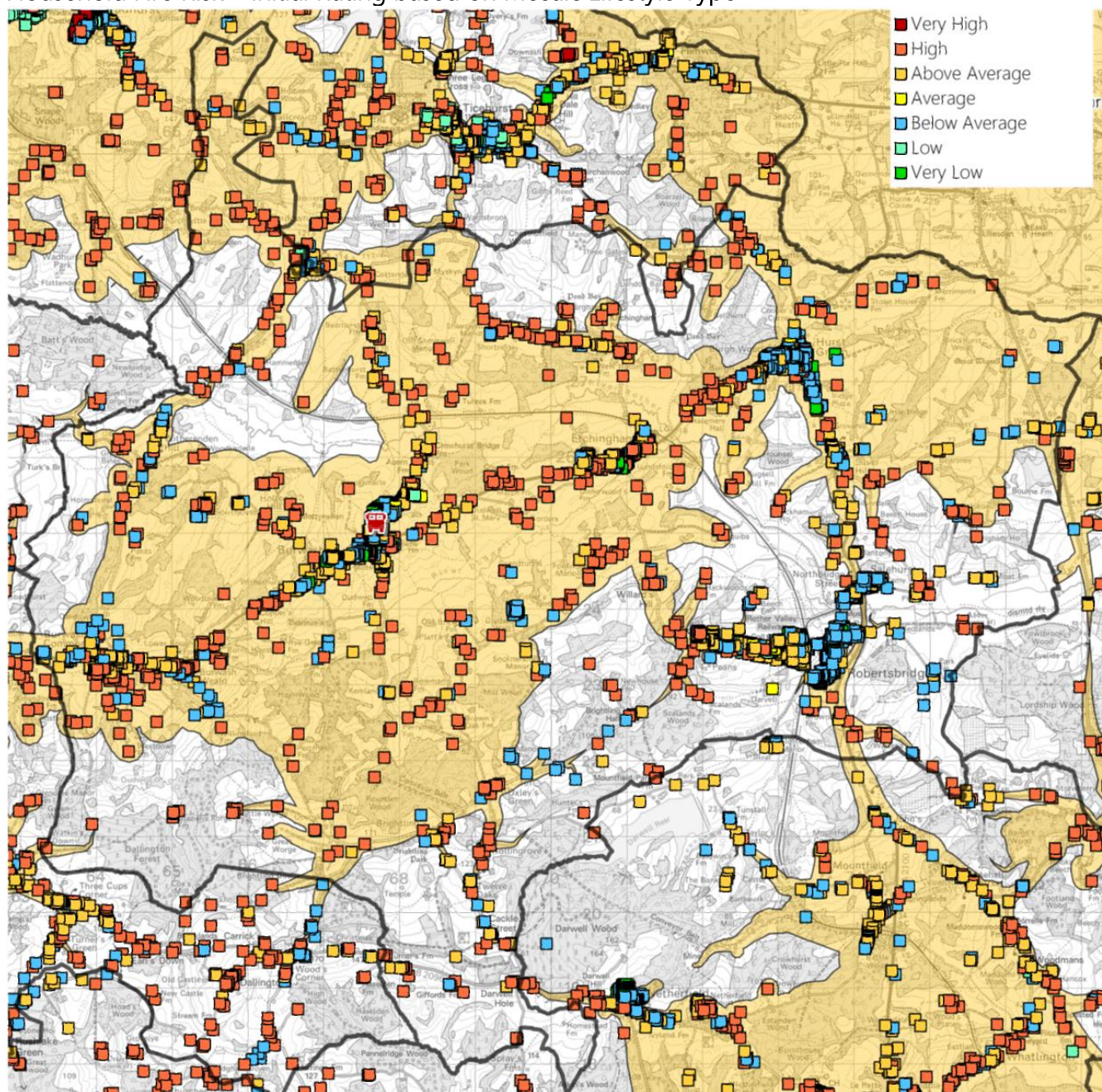


The map below shows the dispersion of mosaic households, classified by their initial fire risk rating, which is based on a combination of the number of fires and propensity to having a fire within each mosaic type. Those that have historically had a higher prevalence of and/or higher likelihood to having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

Station Area	Very High	High	Above Average	Average	Below Average	Low	Very Low	Total
Burwash	0	768	1,069	43	1,384	72	245	3,581
Burwash (%)	0.0%	21.4%	29.9%	1.2%	38.6%	2.0%	6.8%	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)	%
Burwash	0	0	0.0	0	0.0	768	680	88.5	714	93.0

Overall, 83% of households within Burwash station area are within ESFRS attendance standards (during the day), increasing to 97% at night. Approximately 70% of households are clustered around the average risk.

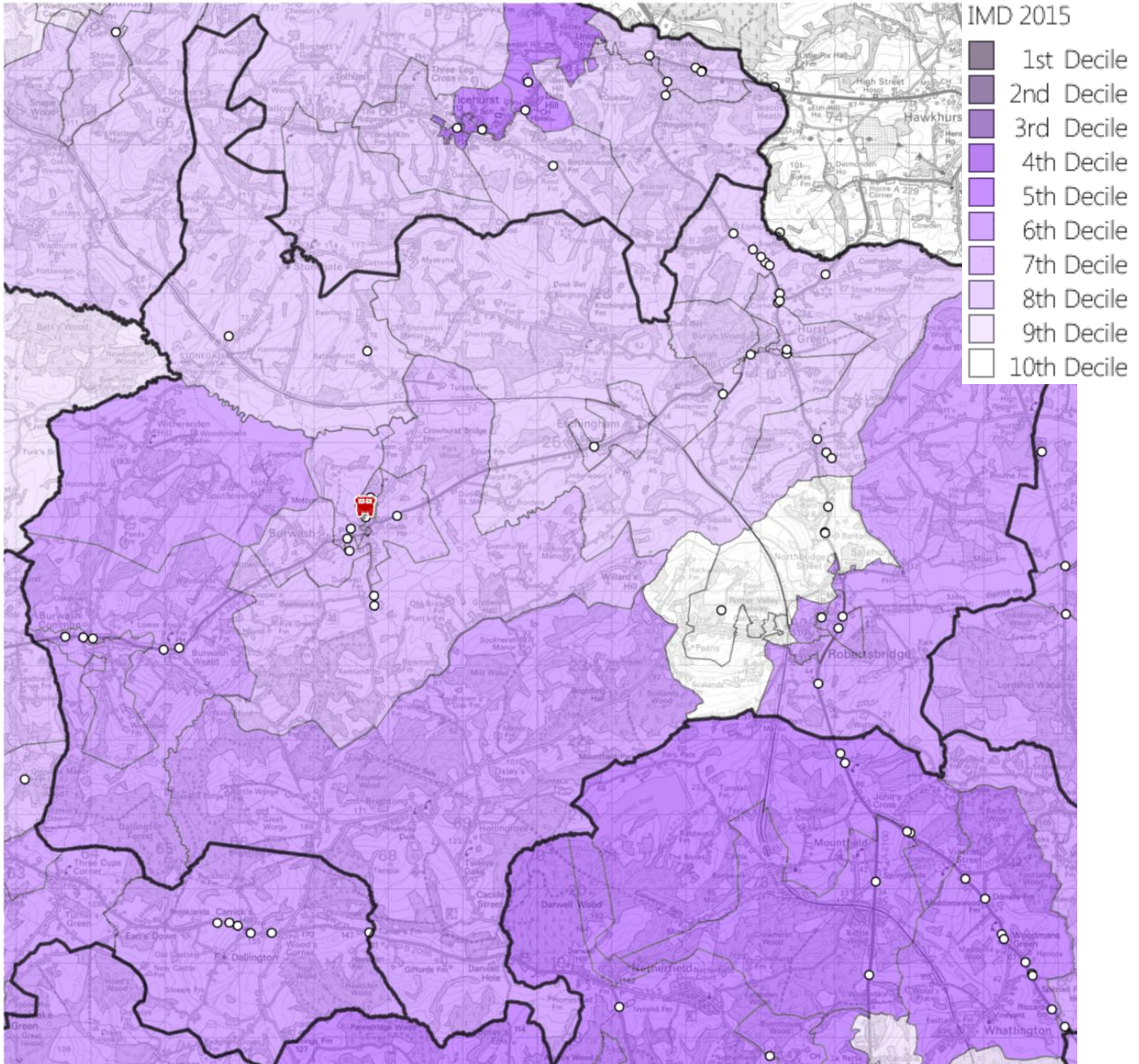
The high risk households represent 21% of households (no very high risk), 89% of which fall within the attendance standards isochrones during the day (increasing to 93% at night). These are located along the southern boundary of the station area, but particularly in Robertsbridge.

Holiday Parks

There are no major holiday parks in Burwash station area.

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 Burwash station area are not particularly deprived, with some areas being among the least deprived areas nationally.

Incidents

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

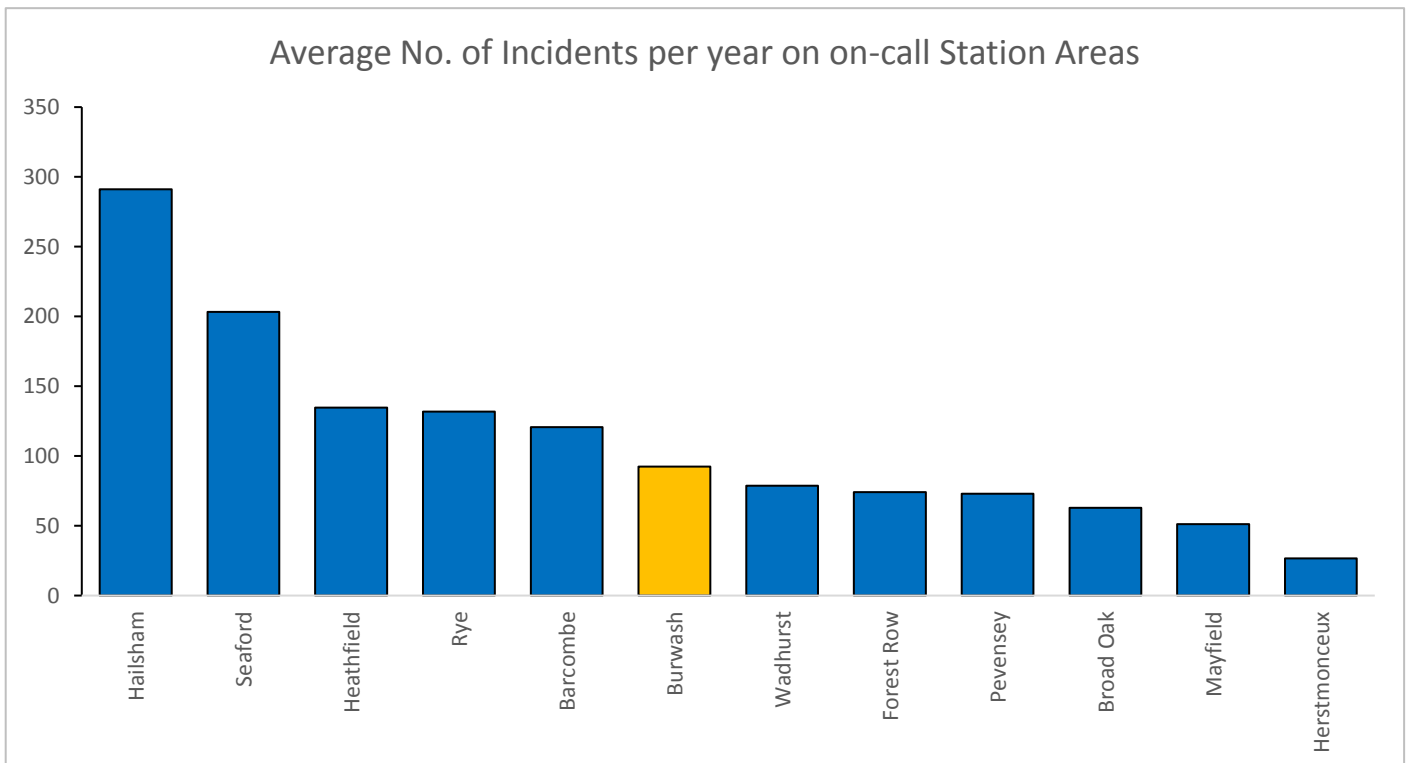
Over 9 years (Apr 2009 – Mar 2018), incidents within Burwash station area have decreased by 25.4%.

No. of Incidents within Burwash Station Area per year

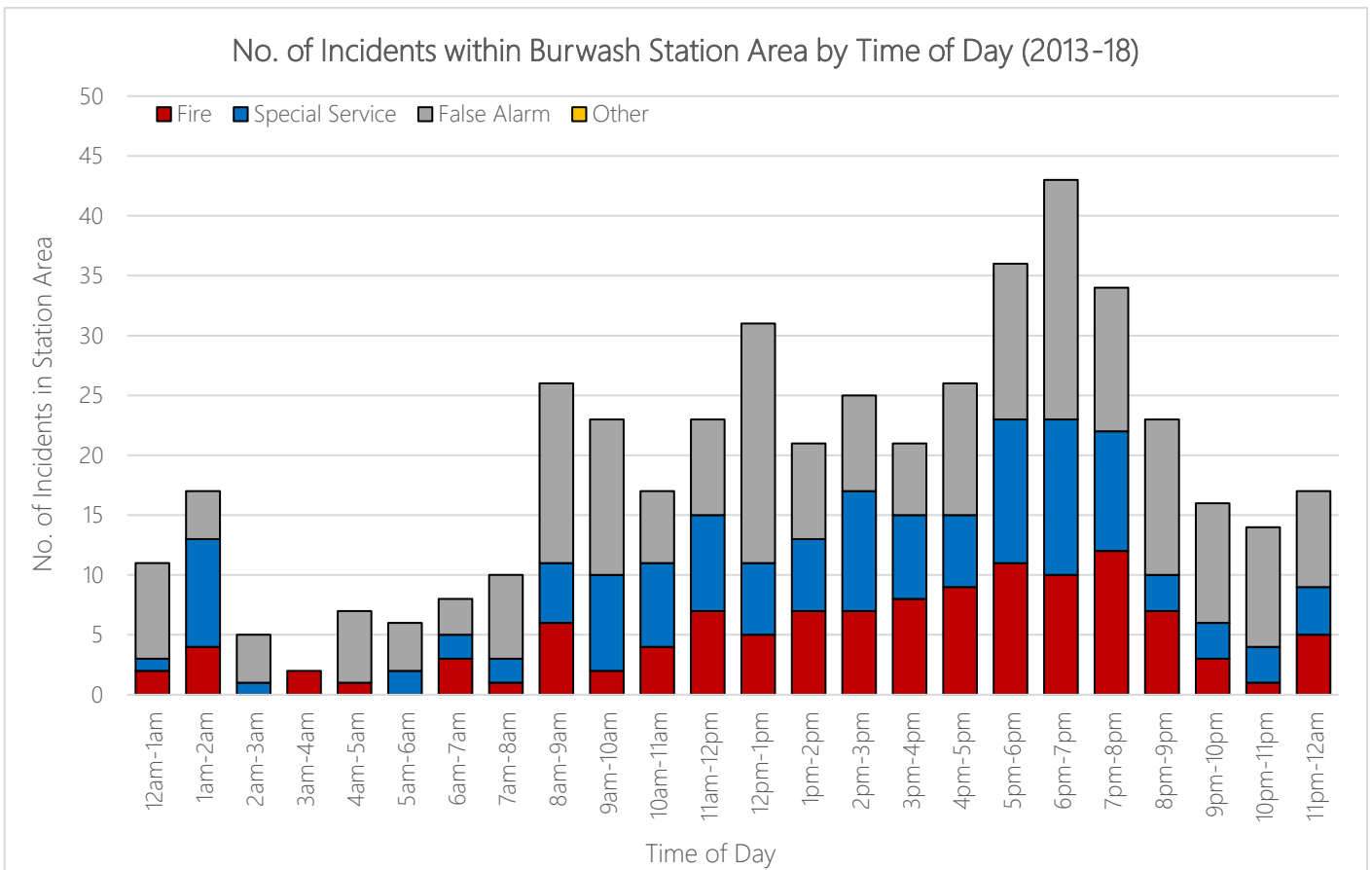
2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total
118	101	81	93	101	94	90	89	88	855

Between 2013-18, there were 462 incidents within the Burwash station area, which equates to an average of 92 incidents per year.

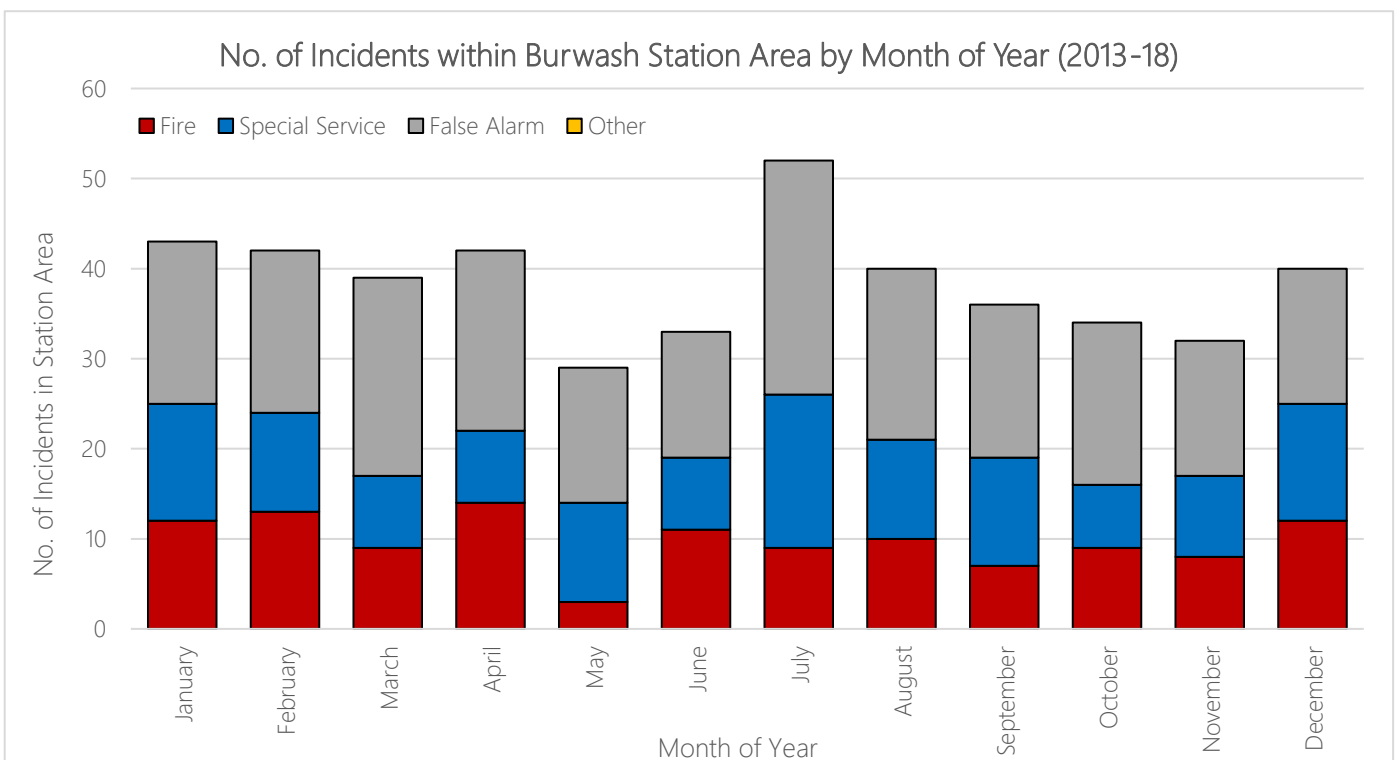
Burwash station area ranks 18 out of all 24 geographical station areas in terms of the numbers of incidents occurring within its area. Comparing with the other on-call station areas across ESFRS, Burwash ranks 6th out of 12.



The following charts show the distribution of incidents by time of day and month of year. The shape of these distributions follows a typical distribution, with a sharp increase in the number of incidents from 8am (particularly false alarm calls) and incidents decreasing sharply from 8pm.



It can be seen that July is the busiest month of the year. However, this is due to false alarms representing 50% of the call activity during the month. The numbers of Fires and Special Service calls in July are similar to the number of Fires and Special Service calls between December through to February.



The following table illustrates the types of incidents that have occurred within Burwash station area over the past 9 years. Dwelling fires and RTC incidents combined make up 18% of incidents (16 per year) which is higher than the ESFRS average, due to the significantly higher proportion of RTCs. The proportion of

fires within Burwash station area are 3% higher than the ESFRS average and false alarm incidents are lower by 3%. RTCs represent the 2nd highest type of incident in Burwash area and are also 8% higher than the ESFRS average.

No. of Incidents within Burwash 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	5	3	4	6	2	6	4	7	4	41	5	5.0	6.3
Primary Fire - Non Residential	4	2	4	1	1	2	2	2	1	19	2	1.7	2.1
Primary Fire - Other Residential	0	0	0	0	1	0	0	0	0	1	0	0.2	0.6
Primary Fire - Vehicle	4	5	3	4	2	2	2	5	5	32	3	3.5	2.7
Primary Fire - Outdoor	2	1	0	0	0	3	0	0	2	8	1	1.1	0.9
Chimney Fire	14	10	6	15	14	8	8	5	7	87	8	9.1	1.6
Secondary Fire	8	3	8	2	5	7	4	3	3	43	4	4.8	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	2	0	0	0	0	2	0	0.4	0.3
Special Service - Animal assistance incidents	5	3	3	8	4	4	3	9	4	43	5	5.2	2.3
Special Service - Assist other agencies	1	1	1	0	0	0	1	4	1	9	1	1.3	1.7
Special Service - Effecting Entry/Exit	0	0	0	0	1	4	1	4	1	11	2	2.4	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	0	2	1	1	1	0	0	3	3	11	1	1.5	4.2
Special Service - Hazardous Materials	0	1	0	1	0	0	1	1	0	4	0	0.4	0.3
Special Service - Lift Release	0	1	0	0	0	0	0	0	0	1	0	0.0	3.7
Special Service - Making Safe (not RTC)	2	0	0	0	6	0	2	0	0	10	2	1.7	1.8
Special Service - Medical Incident	0	0	0	1	0	0	0	0	1	2	0	0.2	0.2
Special Service - No action (not false alarm)	0	1	1	0	0	0	0	1	0	3	0	0.2	0.7
Special Service - Other rescue/release of persons	2	1	0	1	0	1	0	0	0	5	0	0.2	1.0
Special Service - Other Transport	0	0	0	0	1	0	0	1	2	4	1	0.9	0.3
Special Service - Removal of objects from people	0	1	0	1	0	0	0	0	0	2	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	0	0	0	0	0	0	0	0	0.0	0.1
Special Service - RTC	12	10	14	9	13	10	18	7	11	104	12	12.8	5.1
Special Service - Spills and Leaks (not RTC)	0	0	1	0	0	0	1	0	0	2	0	0.2	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	1	1	0	0.2	0.1
Special Service - Unknown	1	0	0	0	0	0	0	0	0	1	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	47	43	29	37	42	39	39	29	38	343	37	40.5	34.6
False Alarm - Good Intent	11	13	6	6	6	8	4	7	4	65	6	6.3	13.6
False Alarm - Malicious	0	0	0	0	0	0	0	1	0	1	0	0.2	1.3
False Alarm - Unknown	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
Other	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Grand Total	118	101	81	93	101	94	90	89	88	855	92	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 56% of false alarms are to dwellings, which is higher than the average proportion across ESFRS, and almost half as many non-residential false alarms than the ESFRS average.

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

Property Type	Burwash	ESFRS
Dwelling	122 (56.2%)	11,127 (49%)
Non-Residential	33 (15.2%)	6,612 (29.1%)
Other Residential	39 (18%)	2,181 (9.6%)
Outdoor	17 (7.8%)	1,762 (7.8%)
Outdoor Structure	1 (0.5%)	194 (0.9%)
Road Vehicle	3 (1.4%)	443 (2%)
Unknown	2 (0.9%)	377 (1.7%)
Total	217	22,696

The following table shows the number of critical incidents that occur within Burwash station area over the past 9 years. This equates to an average of 8 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 92 incidents occur within Burwash area each year, this represents around 9% of incidents have some form of life risk, which is higher than the ESFRS average of 5.2%. Although small numbers, the trend is fairly consistent.

No. of Critical Incidents within Burwash Station Admin Area

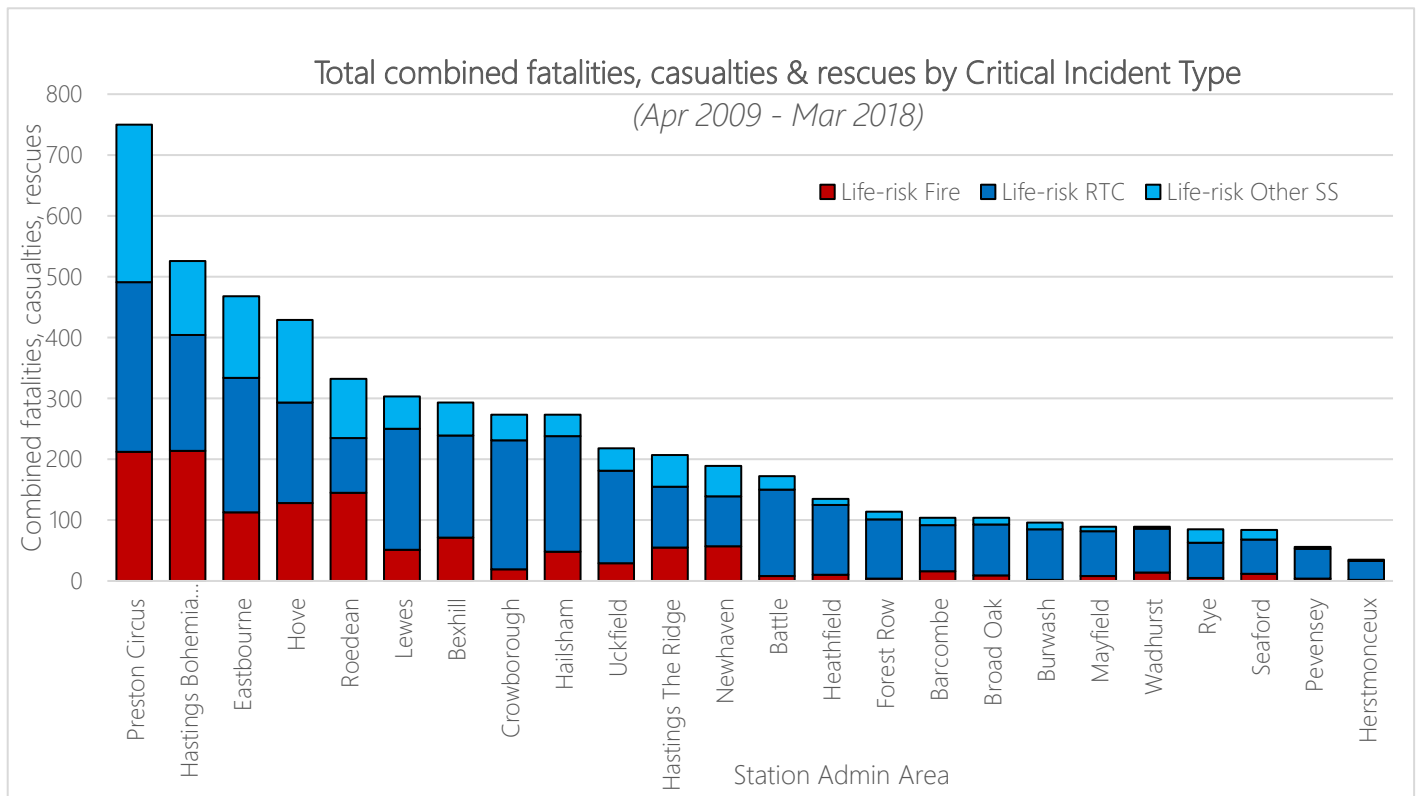
Critical Incidents	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total
Life-risk Fire	1	0	1	0	0	0	0	0	0	2
Life-risk RTC	7	6	9	3	9	6	11	3	5	59
Life-risk Special Serv.	1	2	0	0	0	0	1	4	2	10
Total	9	8	10	3	9	6	12	7	7	71

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 71 critical incidents have resulted in 96 injuries and/or rescues over the past 9 years (10.4 fatalities, casualties, rescues per year), thus each critical incident in Burwash area gives rise to 1.35 casualties. This is higher than the ESFRS average of 1.26 casualties to every critical incident.

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

Casualty Severity	Fire	RTC	Other SS.	Total
Fatal Injury	0	4	5	9
Serious Injury	0	17	3	20
Slight Injury	2	41	2	45
First Aid/Prec. Check	0	8	1	9
Rescue (No Injury)	0	13	0	13
Total Life-Risk	2	83	11	96

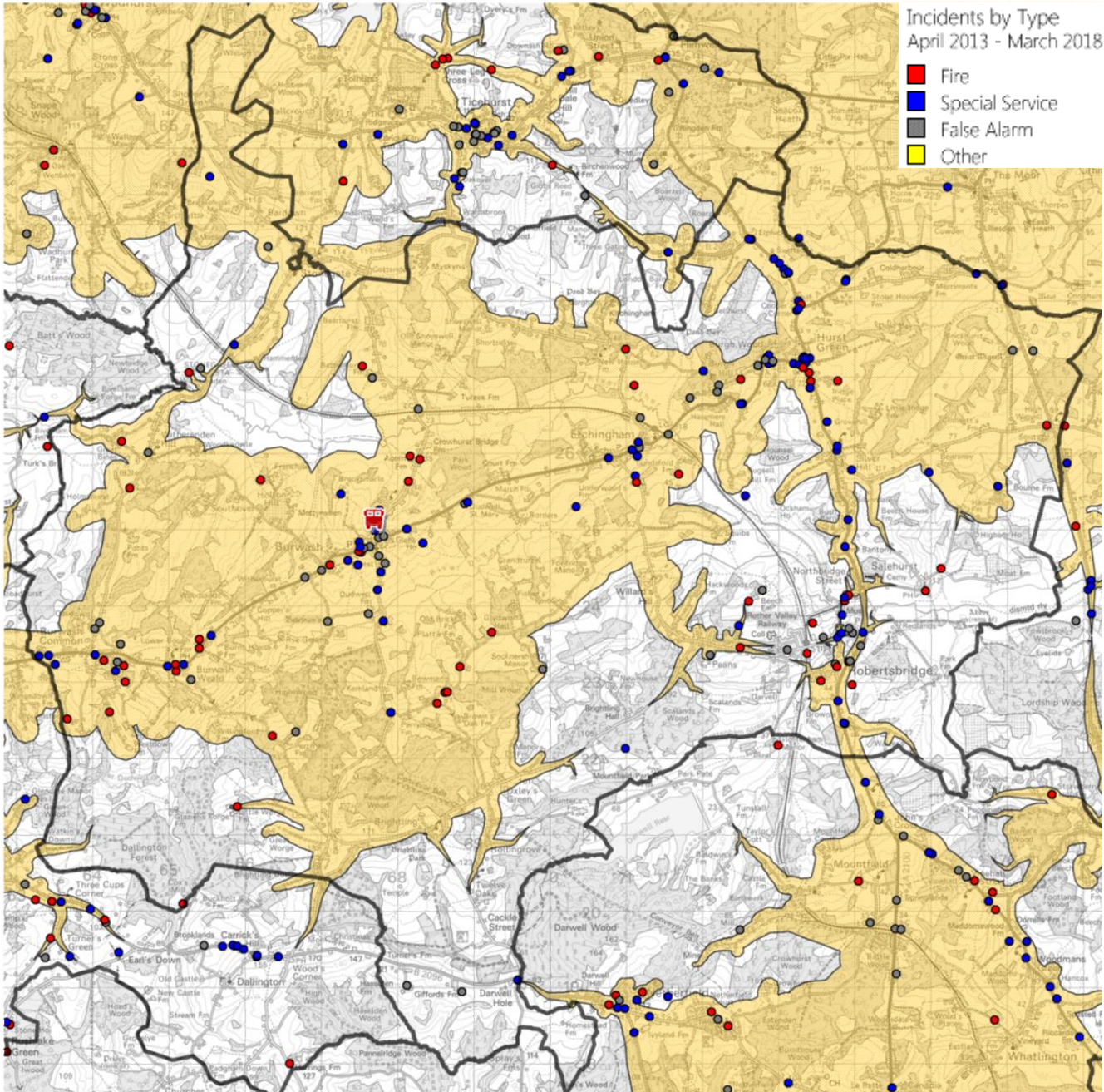
Burwash ranks 18 out of the 24 station areas (or 6 out of 12 on-call areas) regarding combined numbers of fatalities, casualties and rescues as demonstrated on the following chart. However, Burwash ranks joint last (with Herstmonceux) out of the 12 on-call station areas for the number of life-risk fire injuries/rescues.



55% of incidents within Burwash 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. 90% of daytime incidents fall within the attendance standards isochrone. The proportion of all incidents that fall outside of the isochrones is the 6th highest out of all station areas. This is due to the number of incidents that occur in outlying villages within the area, particularly in Robertsbridge.

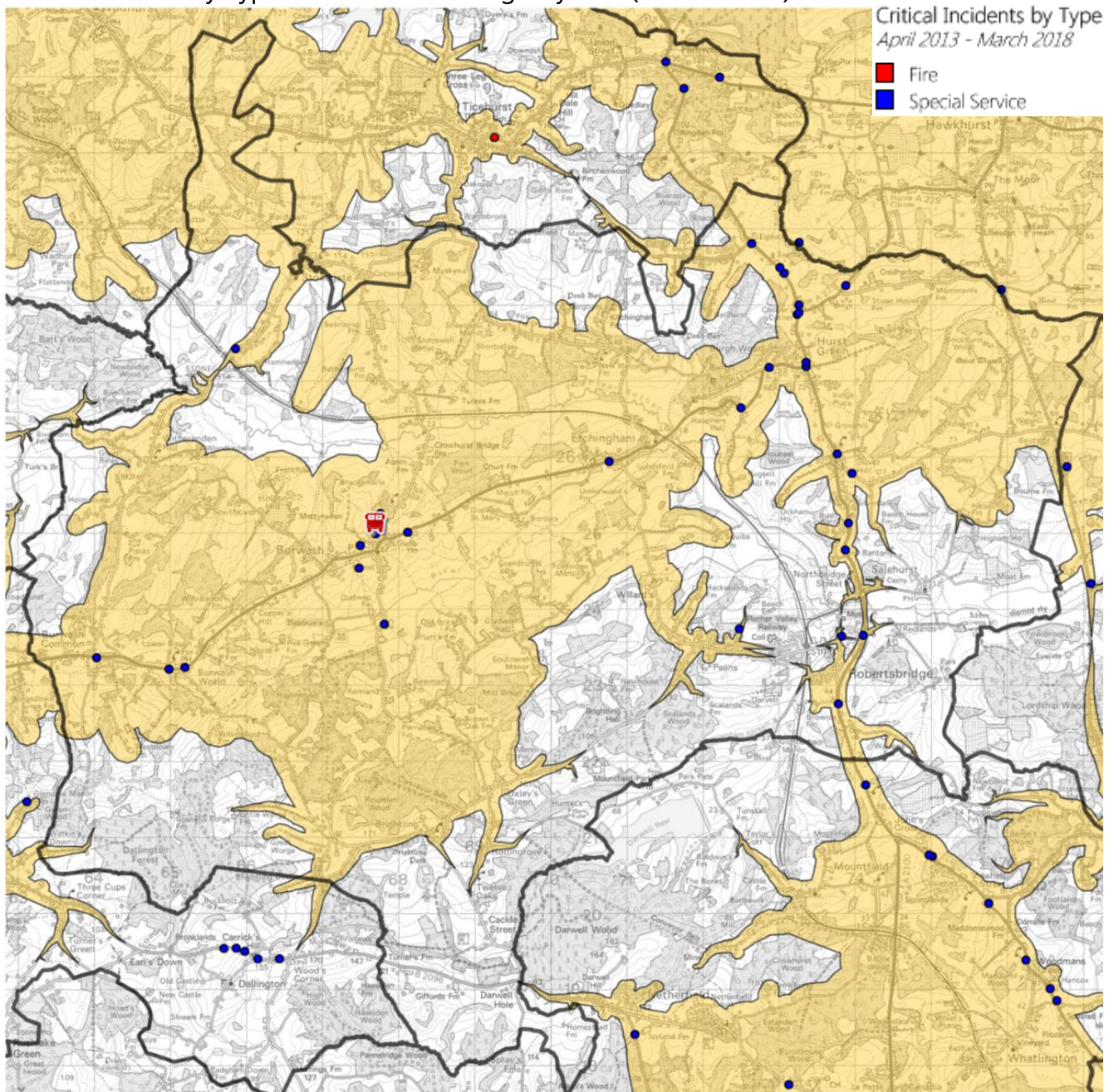
All Incidents by Type that occurred during 'daytime' (08:30 – 18:30) between 2013-18



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

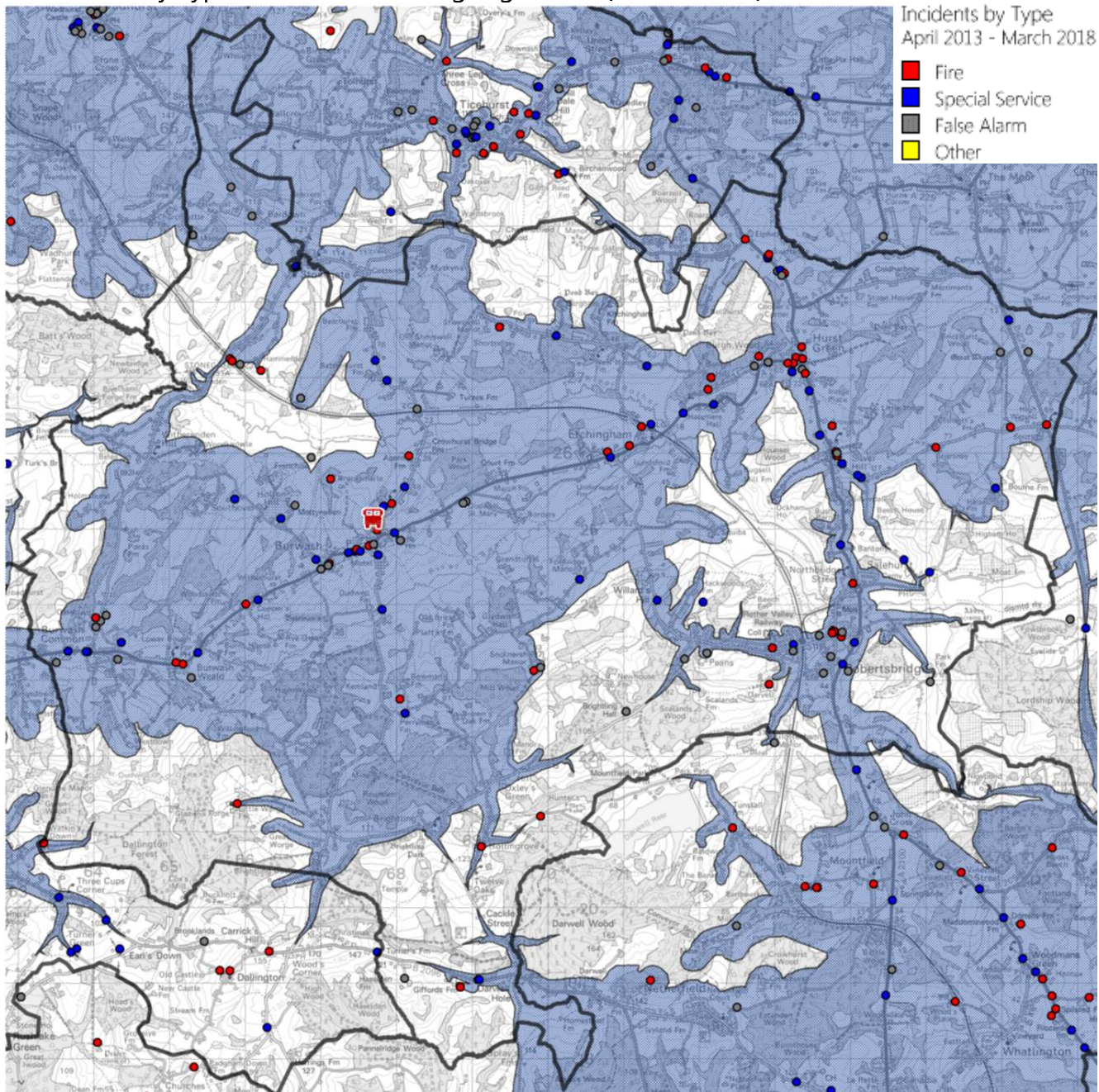
73% of these occurred during the daytime (between 08:30 and 18:30). 100% fall within the attendance standards isochrone.

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



45% of incidents within Burwash 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. 94% of night time incidents fall within the attendance standards isochrone.

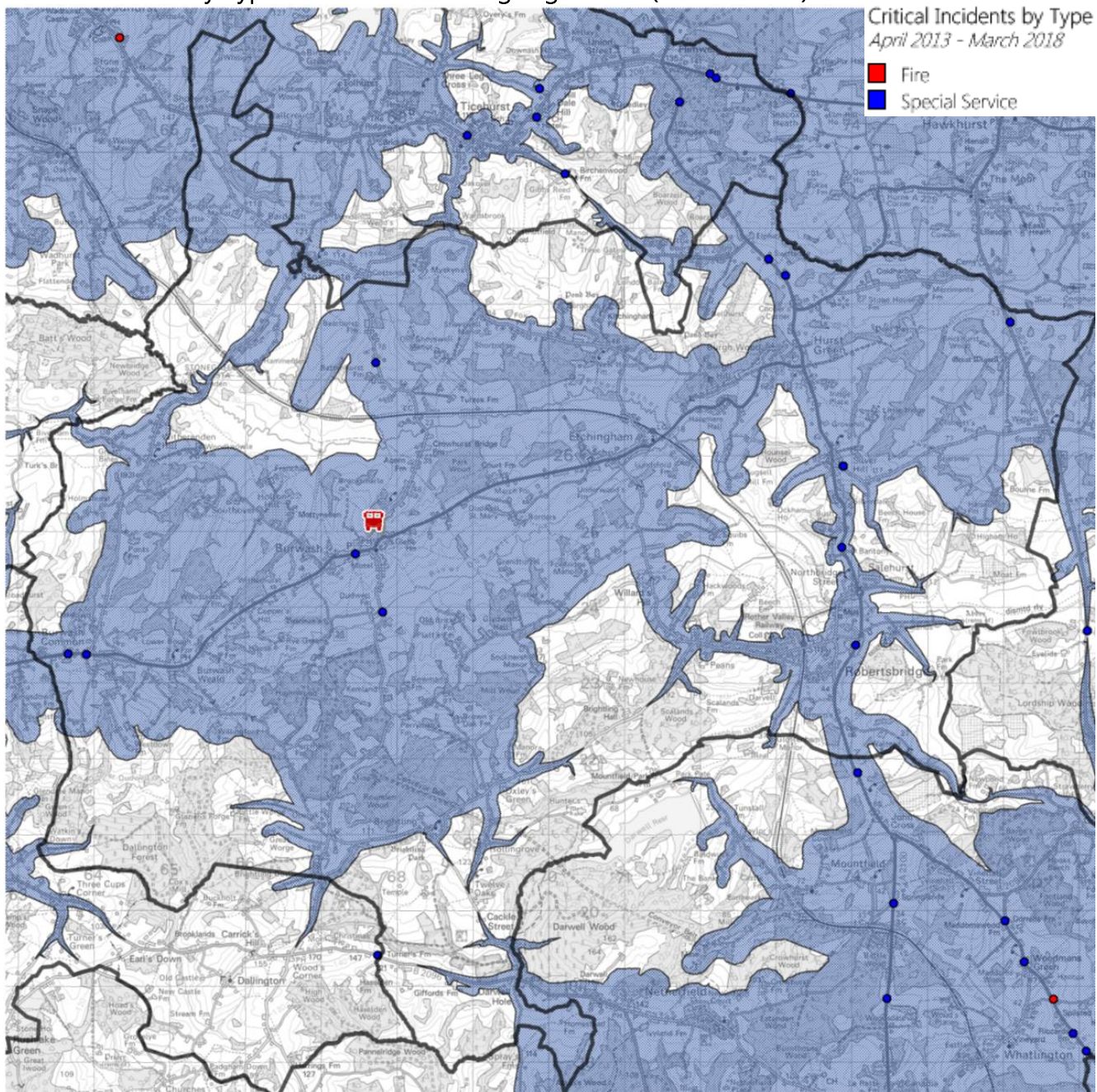
All Incidents by Type that occurred during 'night time' (18:30 – 08:30) between 2013-18



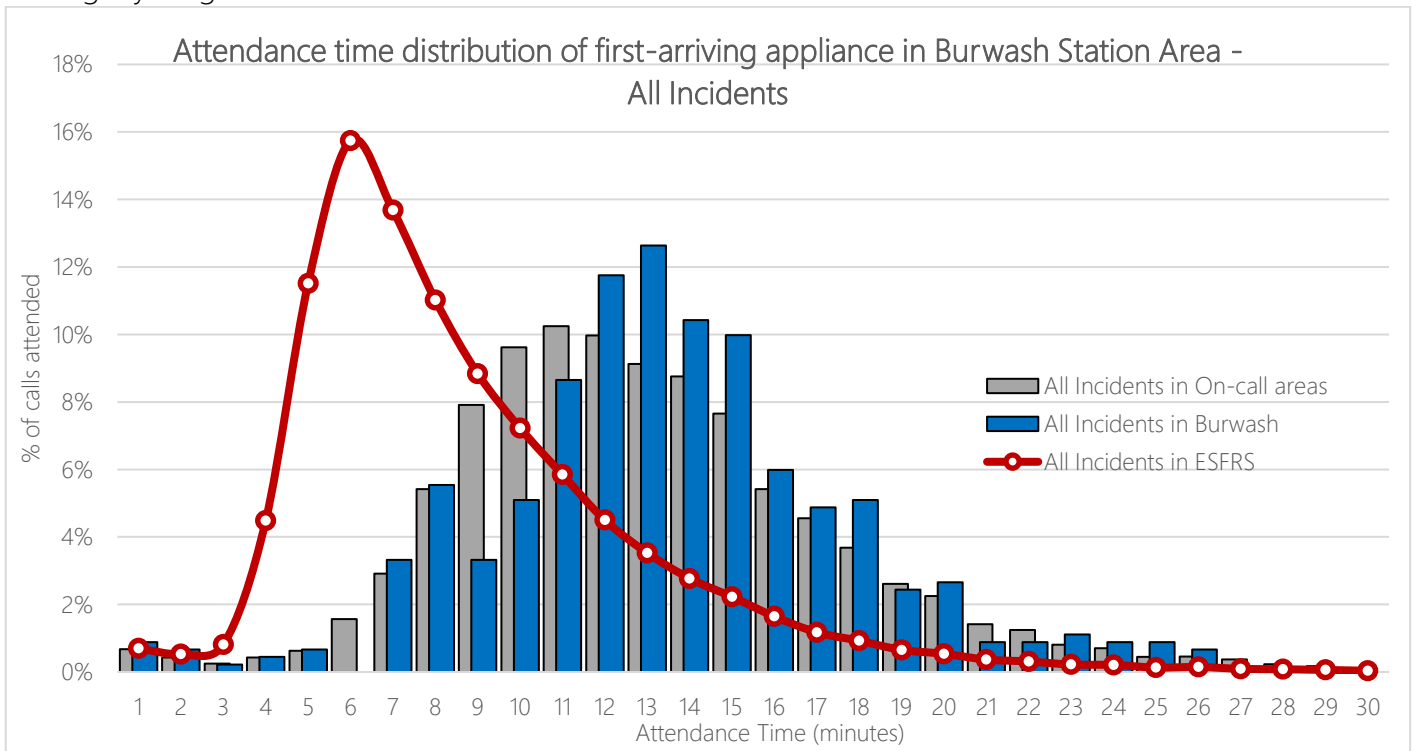
The following map now only shows critical incidents that occurred within Burwash station area during the night.

27% of these occurred during the night time (between 18:30 and 08:30). 100% fall within the attendance standards isochrone.

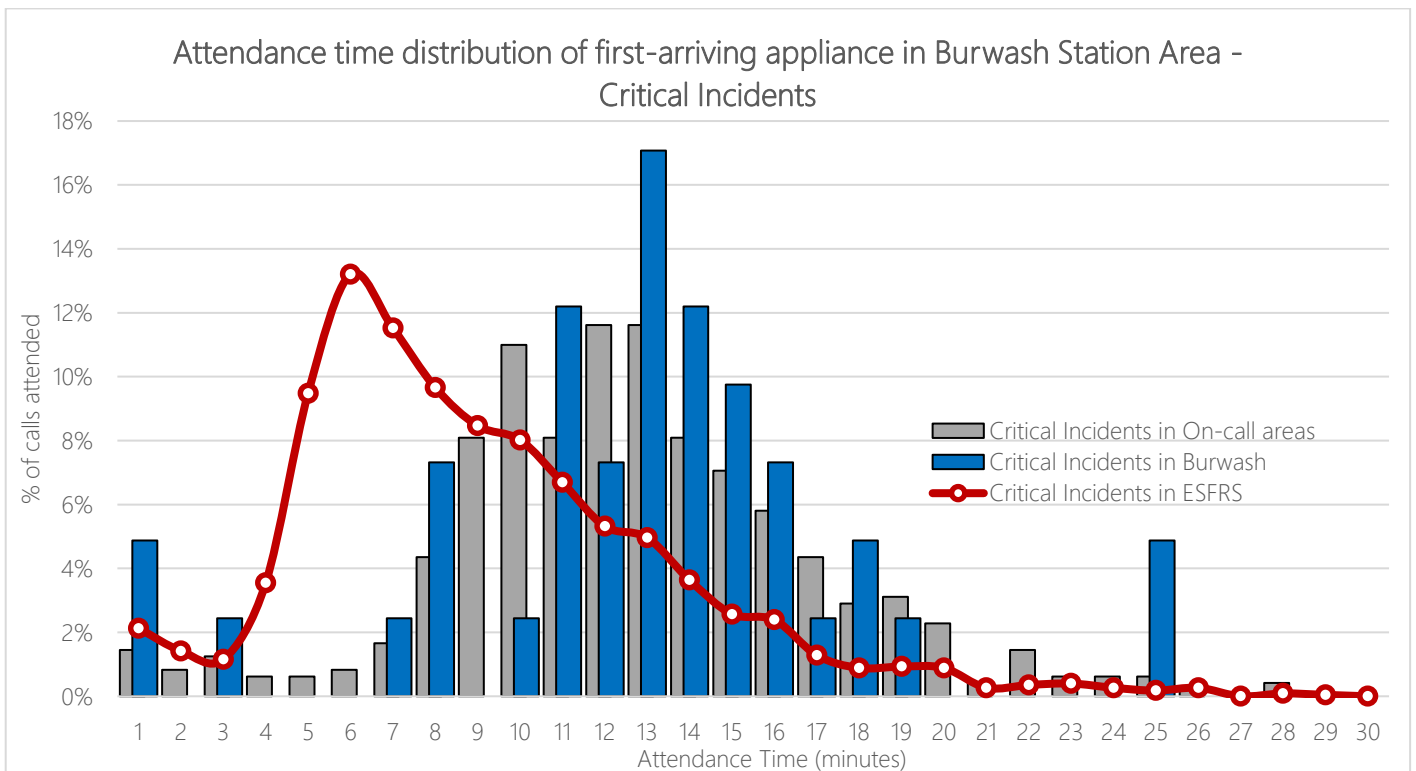
Critical Incidents by Type that occurred during 'night time' (18:30 – 08:30) between 2013-18



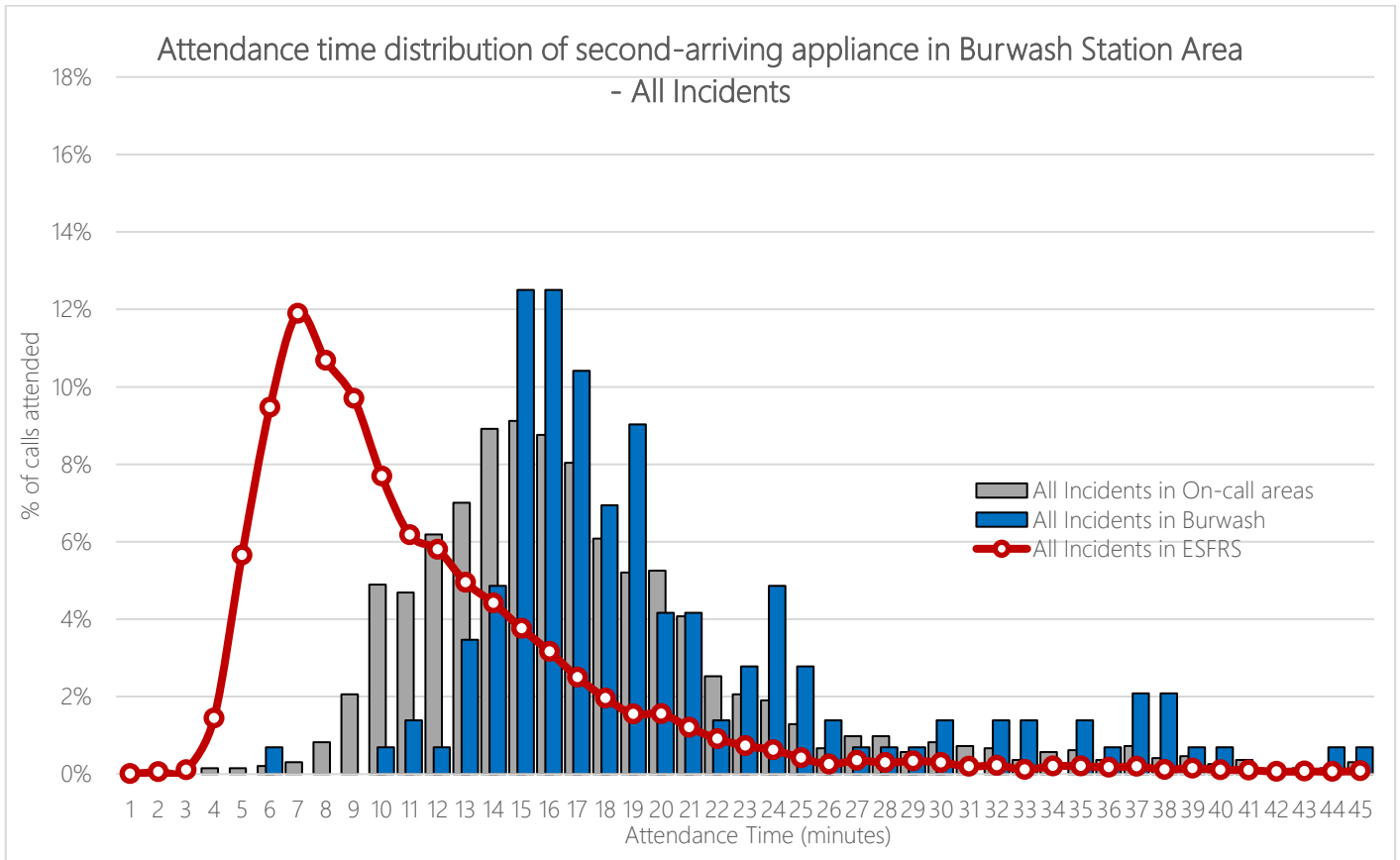
The chart below shows the distribution of response times by minute intervals. These distributions are based on 5 years of data (Apr 2013 – Mar 2018) and help understand the range of response times to all types of incidents that have occurred within Burwash Station area, compared with other areas. It can be seen that, compared to other on-call station areas, there are a greater proportion of initial attendances between 12-15 minutes, but fewer attendances between 9-11 minutes indicating that, overall, attendances to Burwash are slightly longer than other on-call station areas.



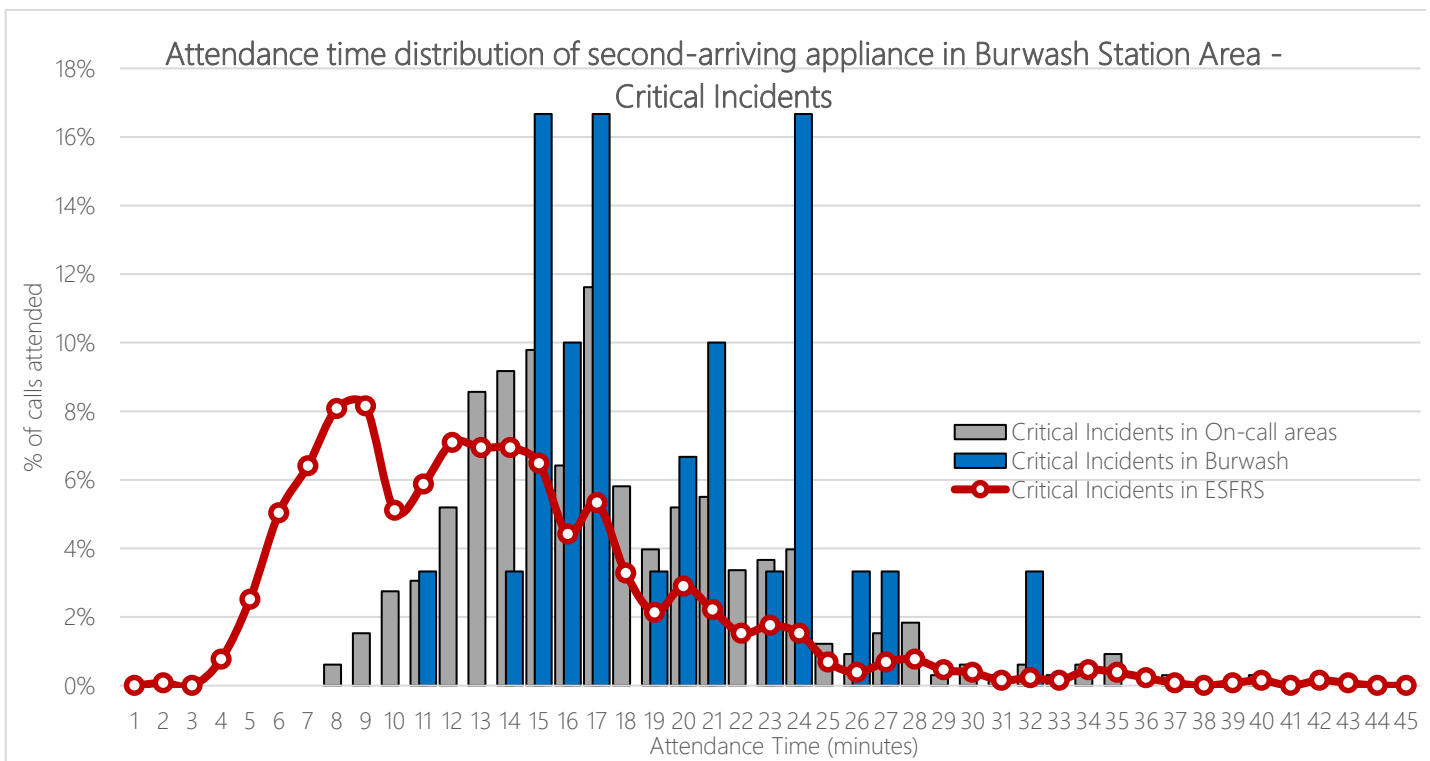
The following chart depicts similar information, but for critical incidents only. As there are fewer critical incidents within Burwash area, the distribution curve is less uniform.



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 15-17 minutes for the arrival of the 2nd appliance compared to 12-13 minutes for the 1st appliance.



The chart below shows the distribution of attendance times to critical incidents across Burwash station area for the 2nd 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 Burwash 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 approximately 2 minutes.

Incident Type	Ave. Lag Time in Burwash	Ave. Lag Time across all On-call areas	Ave. Lag Time across ESFRS area
Primary Fire - Dwelling	06:01	08:06	03:21
Special Service - RTC	04:44	04:52	04:17

Between April 2013 and March 2018, 67% of incidents within the Burwash station area were attended by a single fire appliance, which is below the ESFRS total of 72% of incidents.

The table below shows, when there was a 2nd pump attendance, which appliances attended. FJE72P1 was the 2nd pump attendance on 24% of occasions. Wadhurst provided the 2nd pump attendance on 18% of occasions and Burwash itself was the 2nd pump attendance on 12% of occasions.

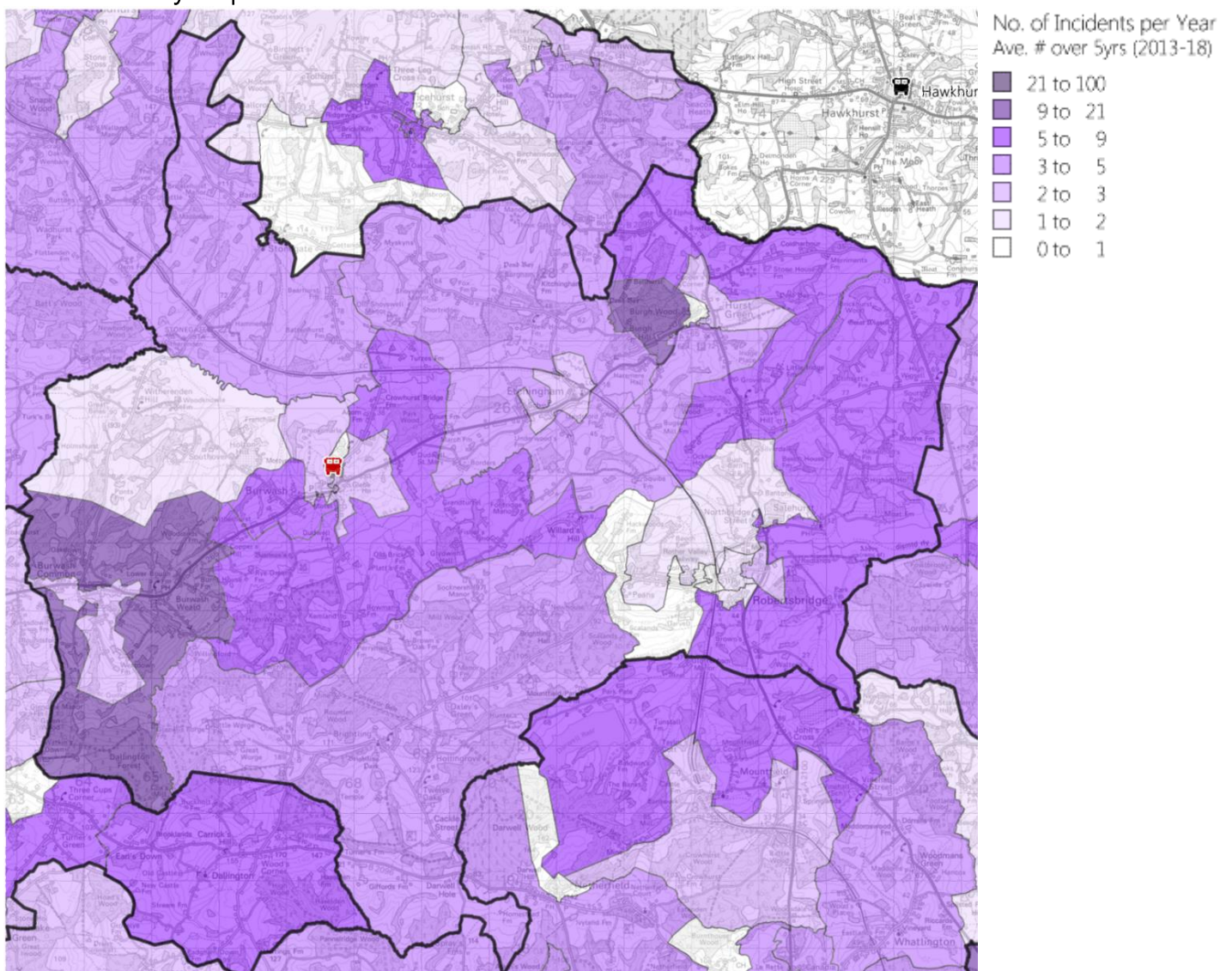
FJE72P1 (24%)	FJE82P5 (18%)	FJE78P5 (15%)	FJE74P1 (12%)	FJE72P4 (7%)	FJE83M1 (7%)	FJE76P1 (5%)	FJE81P1 (3%)	FJE84P1 (3%)	FJE78M1 (2%)
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The following map shows, by output area, the average number of incidents to which it is mobilised per year (based 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 Burwash 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.

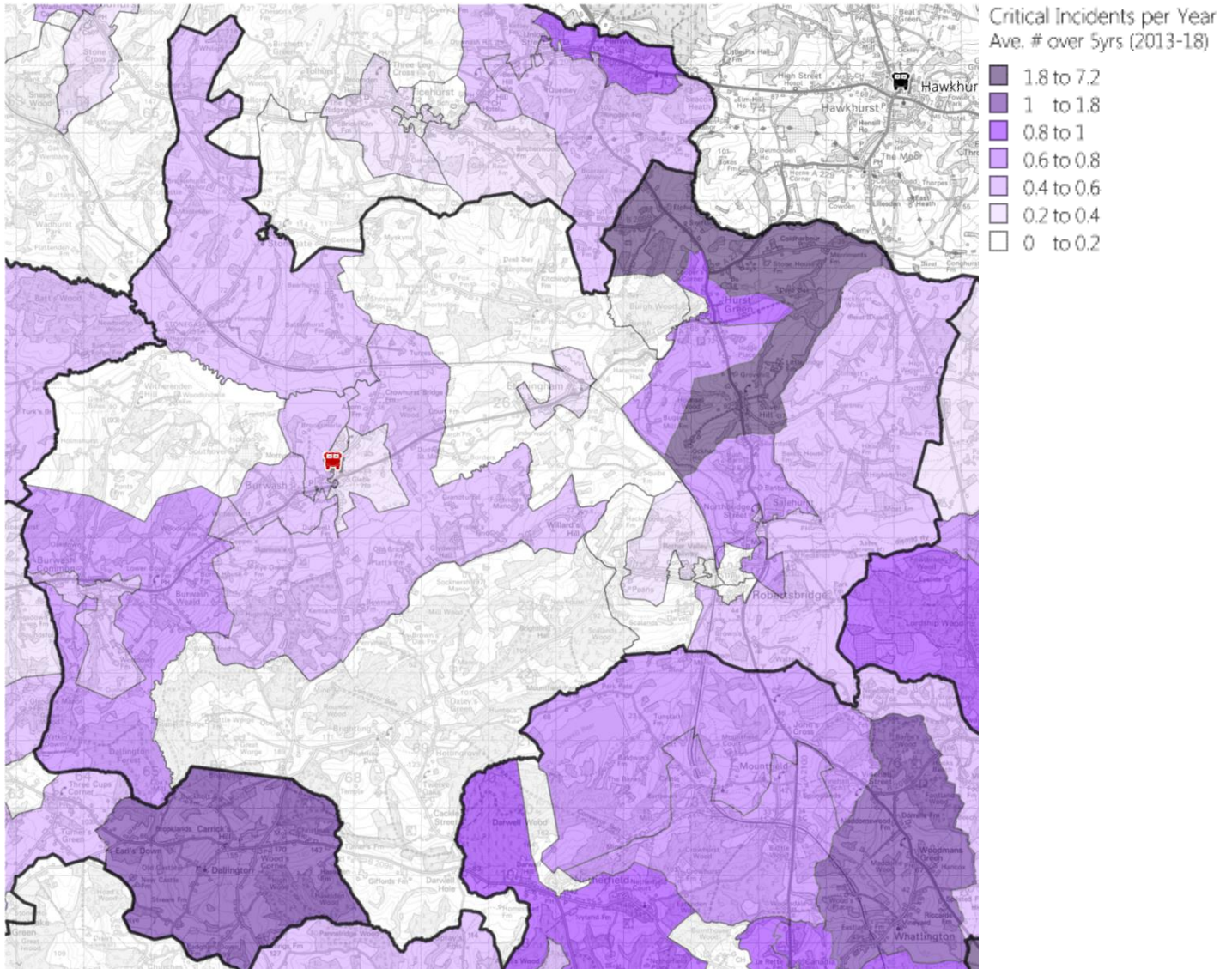
It can be seen the areas to the far west – near Burwash Common and Burwash Weald have had proportionally high incident activity, as well as Burgh Hill and down towards Robertsbridge.

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 Burwash station area is very low. However, there is an area towards the north-east of the station area that has a greater number of critical incidents – to the north of Robertsbridge towards Coopers Corner & Hurst Green, and these are likely to be due to RTCs along this stretch of road. 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



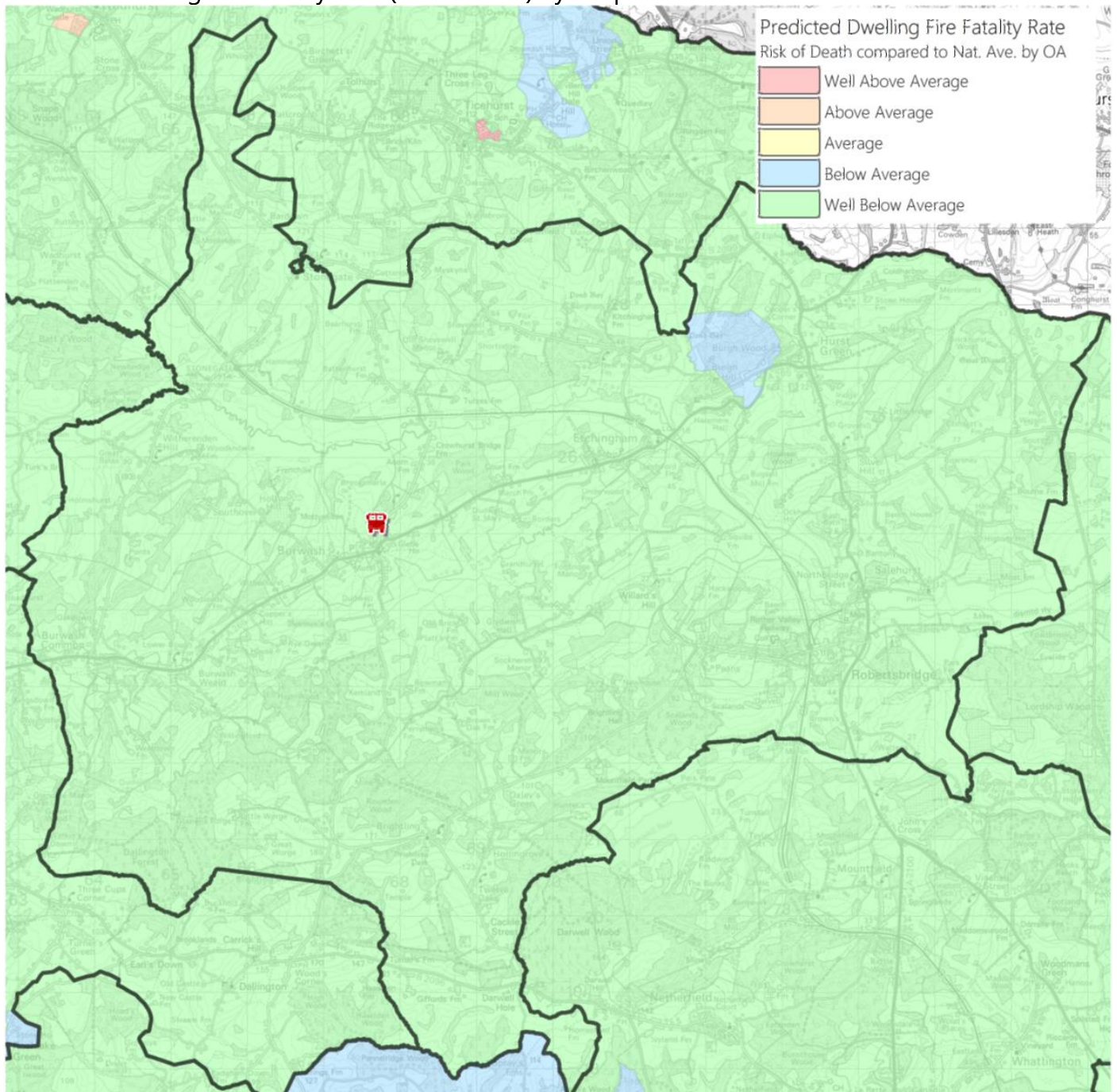
The following table illustrates the number of level 3 and 4 incidents that have occurred over the past 9 years within Burwash station area. A level 3 incident is where between 7-9 pumping appliances are in attendance at the incident, whereas a level 4 incident represents where 10 or more pumping appliances attended. These incidents denote where significant resource was required in order to deal with a particular incident. There have been no level 3+ 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
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.

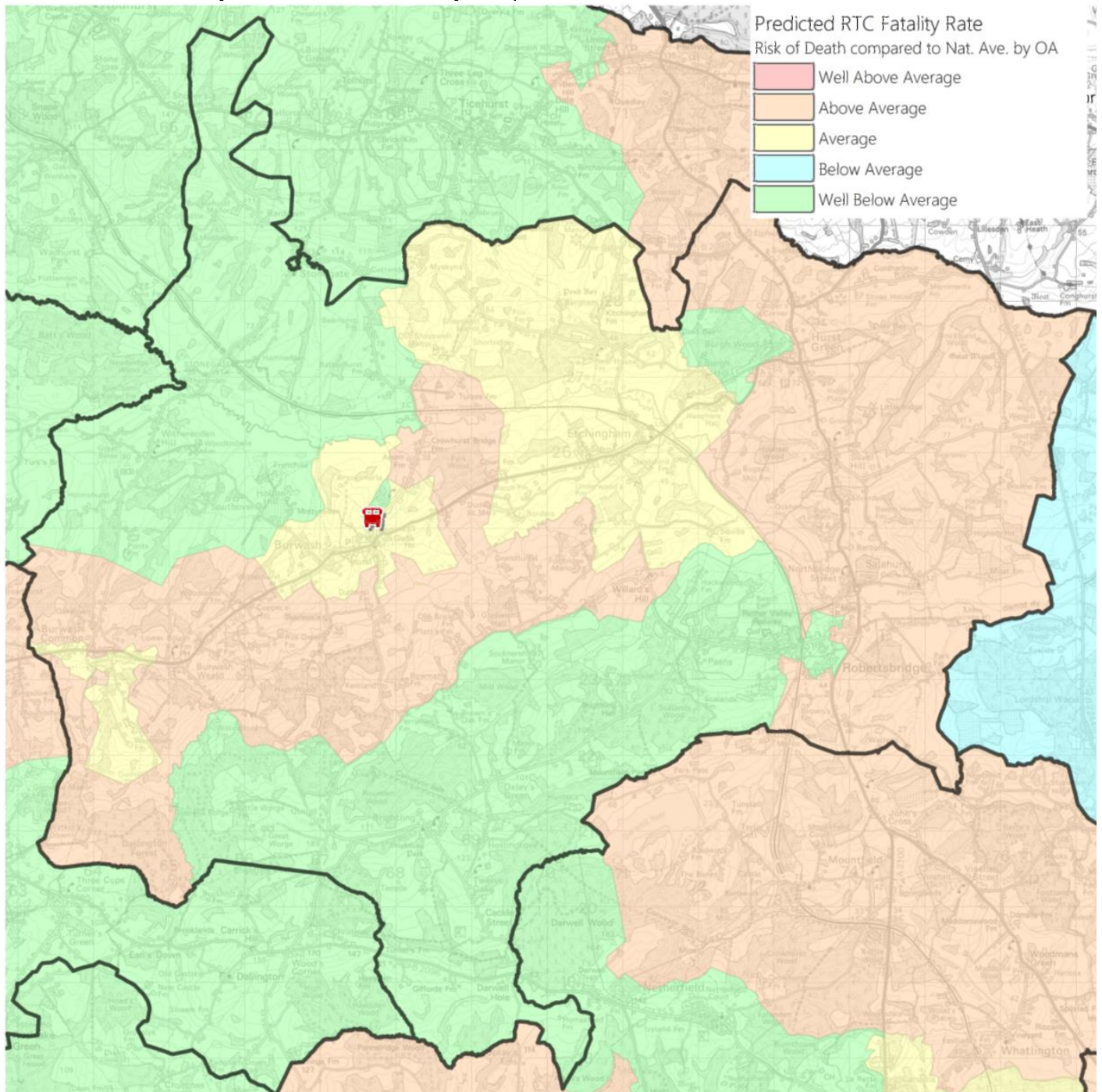
It can be seen that the Burwash station area predominately has a well below average risk of sustaining fatal injuries in a fire compared with the national average.

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. It can be seen that the areas through which the the A21 and A265 traverse have a predominately above average risk of death compared with the national average.

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



Incidents to which Burwash appliance(s) were mobilised

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

The table below shows the average turn-out times of each pumping appliance at Burwash. 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 over the past five years, there has been a consistent increase in the average turn-out time for FJE74P1. The average turn-out time across the 9 years is 05:31.

Average turn-out times of Burwash appliance(s)

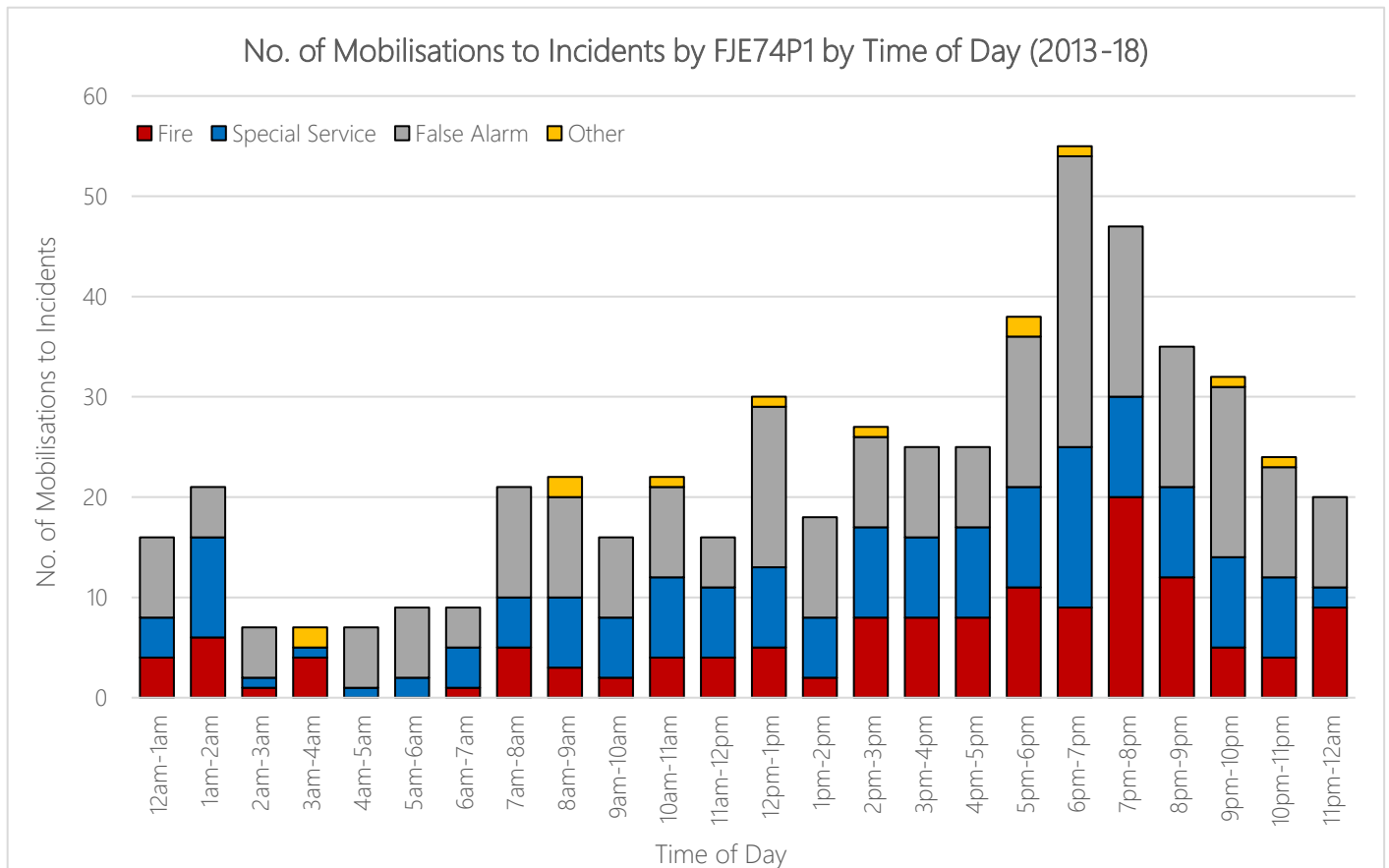
Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE74P1	05:43	05:28	05:32	05:10	05:00	05:15	05:23	05:50	05:56

The following table shows the number of mobilisations each Burwash 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 FJE74P1 have increased by 96%. This increase in the number of mobilisations is the greatest of all 33 pumping appliances in ESFRS.

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
FJE74P1	67	81	64	66	78	107	110	123	131	96
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 Burwash appliance(s) have mobilised to by time of day.



The following tables illustrate the types of incidents to which each Burwash appliance has mobilised to over the past 5 years. FJE74P1 mobilises to a slightly higher proportion of fire incidents compared with the rest of ESFRS – approximately 3% more, but proportionally 4% fewer false alarms. It can be seen that 14% of incidents to which FJE74P1 is mobilised are RTCs, which is a significantly higher proportion than the ESFRS average of 5%.

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

Incident Type	FJE74P1	%	All ESFRS Incidents	%
Fire	135	24.6	10,263	21.7
Special Service	160	29.1	13,332	28.2
False Alarm	242	44.1	22,838	48.4
Other	12	2.2	786	1.7
All Incident Types	549	-	47,219	-

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

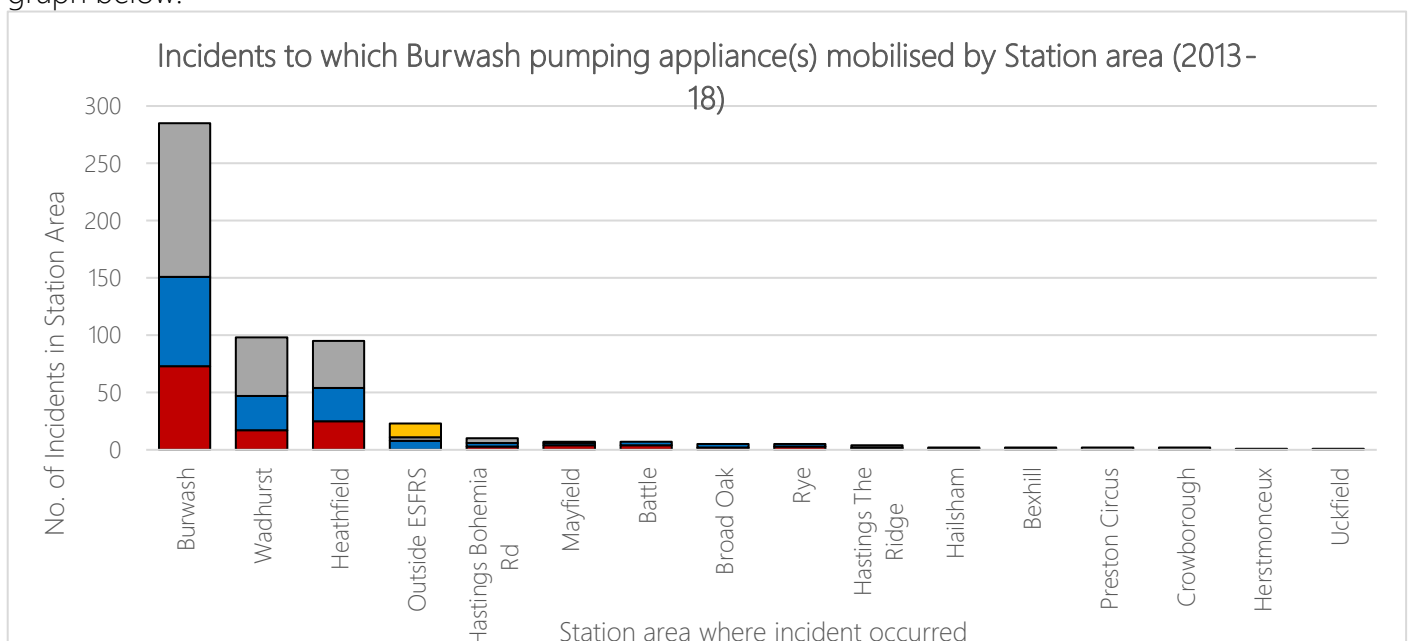
Incident Type	FJE74P1	%	All ESFRS Incidents	%
Primary Fire - Dwelling	44	8.0	2,871	6.1
Primary Fire - Non Residential	14	2.6	984	2.1
Primary Fire - Other Residential	3	0.5	265	0.6
Primary Fire - Other transport vehicle	0	0.0	14	0.0
Primary Fire - Outdoor	7	1.3	396	0.8
Primary Fire - Road Vehicle	16	2.9	1,256	2.7
Chimney Fire	34	6.2	717	1.5
Secondary Fire - Dwelling	0	0.0	25	0.1
Secondary Fire - Non Residential	0	0.0	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	16	2.9	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	0	0.0	150	0.3
Special Service - Animal assistance incidents	17	3.1	1,050	2.2
Special Service - Assist other agencies	6	1.1	767	1.6
Special Service - Effecting Entry/Exit	11	2.0	1,817	3.8
Special Service - Evacuation (no fire)	0	0.0	13	0.0
Special Service - Flooding	16	2.9	1,956	4.1
Special Service - Hazardous Materials	4	0.7	133	0.3
Special Service - Lift Release	2	0.4	1,728	3.7
Special Service - Making Safe (not RTC)	8	1.5	834	1.8
Special Service - Medical Incident	1	0.2	101	0.2
Special Service - No action (not false alarm)	3	0.5	325	0.7
Special Service - Other rescue/release of persons	1	0.2	447	0.9
Special Service - Other Transport	3	0.5	136	0.3
Special Service - Removal of objects from people	0	0.0	261	0.6
Special Service - Removal of people from objects	1	0.2	146	0.3
Special Service - Rescue or evacuation from water	2	0.4	43	0.1
Special Service - RTC	78	14.2	2,374	5.0
Special Service - Spills and Leaks (not RTC)	0	0.0	495	1.0
Special Service - Stand By	0	0.0	6	0.0
Special Service - Suicide	1	0.2	71	0.2
Special Service - Unknown	6	1.1	471	1.0
Special Service - Water provision	0	0.0	8	0.0
False Alarm - Apparatus	196	35.7	15,820	33.5
False Alarm - Good Intent	44	8.0	6,255	13.2
False Alarm - Malicious	1	0.2	601	1.3
False Alarm - Unknown	1	0.2	162	0.3
Other	12	2.2	786	1.7
Total	549	-	47,219	-

The following table demonstrates the number of times each pumping appliance at Burwash 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 Burwash 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	FJE74P1		
	5 Year Total (2013-18)	Ave. Per Year	% by Station Area
Battle	7	1	1.3
Bexhill	2	0	0.4
Broad Oak	5	1	0.9
Burwash	285	57	51.9
Crowborough	2	0	0.4
Hailsham	2	0	0.4
Hastings Bohemia Rd	10	2	1.8
Hastings The Ridge	4	1	0.7
Heathfield	95	19	17.3
Herstmonceux	1	0	0.2
Mayfield	7	1	1.3
Preston Circus	2	0	0.4
Rye	5	1	0.9
Uckfield	1	0	0.2
Wadhurst	98	20	17.9
Outside ESFRS	23	5	4.2
Grand Total	549	110	100.0

It can be seen that FJE74P1 is mobilised to an incident, on average, 110 times per year and on 52% of occasions, this is to its own station area. 18% of occasions it is to Wadhurst and 17% of mobilisations are to incidents in Heathfield. 4% of mobilisations are to incidents outside of the ESFRS area. Between April 2013 and March 2018 there have been 549 mobilisations to incidents by a Burwash appliance, as shown in the graph below.



N.B. The overborder figure will likely be higher as these figures are calculated from data held within ESFRS Incident Recording System only. For over-border incidents where both Burwash 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 Burwash 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 Burwash appliance(s) may not have arrived at the incident due to being stood-down en-route. 74P1 mobilises to a critical incident, on average, 11 times per year and on 43% of occasions, this is within the Burwash station area. 20% of occasions it is to Wadhurst and Heathfield station areas respectively and 4% of mobilisations are to incidents that are outside of ESFRS.

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

No. of Mobilisations to Incidents	Appliance Callsign	Battle	Broad Oak	Burwash	Hastings Bohemia Rd	Heathfield	Mayfield	Rye	Wadhurst	Outside ESFRS	Grand Total
5 Year Total (2013-18)	FJE74P1	3	1	23	1	11	1	1	11	2	54
Ave. Per Year	FJE74P1	1	0	5	0	2	0	0	2	0	11
% by Station Area	FJE74P1	5.6	1.9	42.6	1.9	20.4	1.9	1.9	20.4	3.7	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, FJE74P1 has reached 66% of all incidents within 15 minutes and only 48% of critical incidents within 15 minutes.

Incidents attended within X minutes by FJE74P1 where first-arriving appliance (Apr 2013 – Mar 2018)

Performance of FJE74P1 as first arriving appliance	< 5 mins	< 8 mins	< 10 mins	< 13 mins	< 15 mins	< 20 mins	Total Incidents
All Incidents	9 (2%)	55 (15%)	83 (22%)	183 (49%)	245 (66%)	338 (91%)	373
Critical Incidents	3 (12%)	6 (24%)	7 (28%)	10 (40%)	12 (48%)	22 (88%)	25

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.

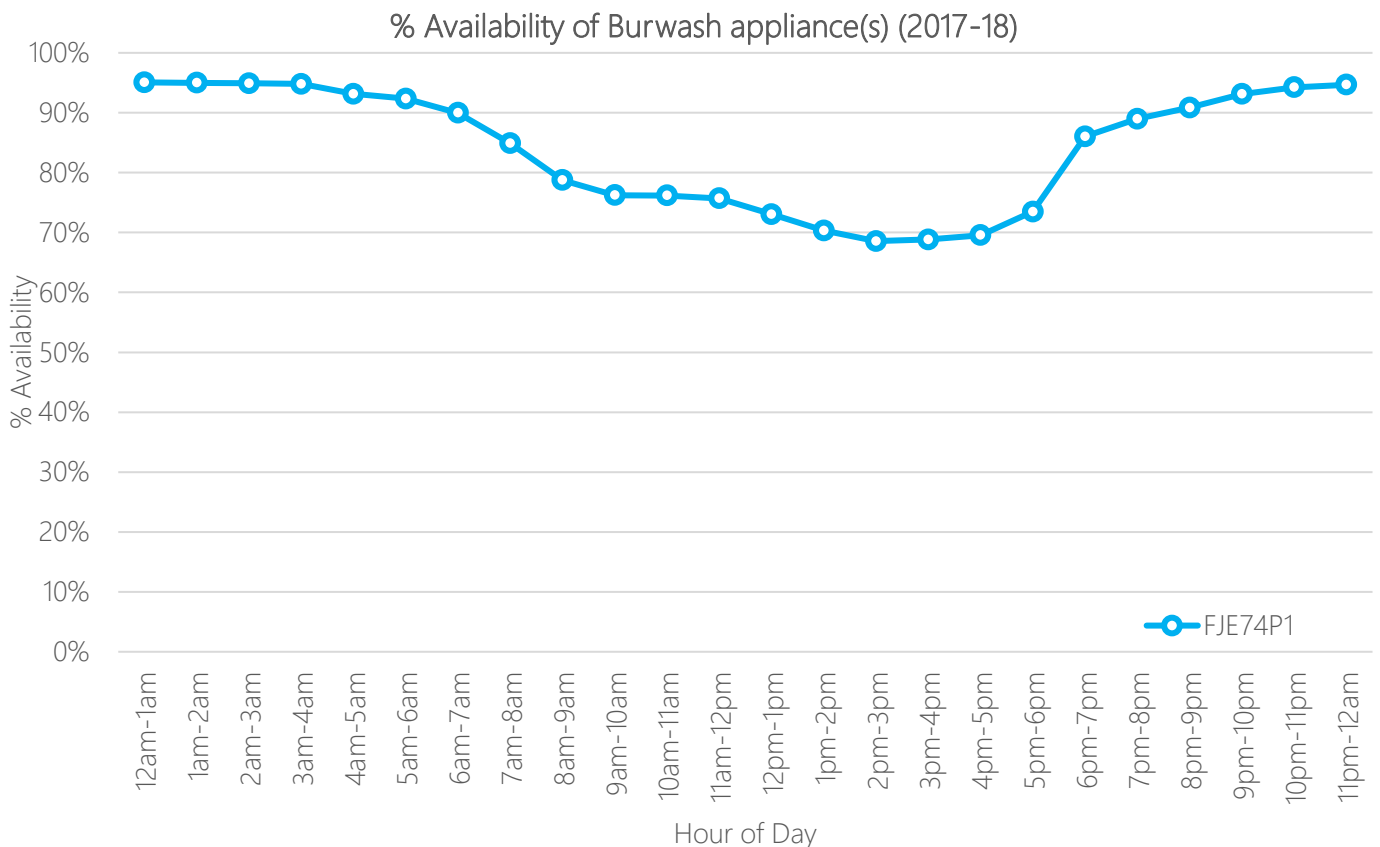
it can be seen that the availability of FJE74P4 over 9 years has improved by 74% so that it is now available around 84% of the time.

Appliance Availability

Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE74P1	48.5	56.3	70.8	68.4	62.0	73.3	77.5	88.9	84.1

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

It can be seen that availability of FJE74P1 dips between 8am and 6pm where it is available, on average, 70% of the time, but this dip in availability is a lot shallower than other on-call appliances. From 8pm to 6am, it is available 90+% of the time.



OTB attendances into Burwash (where ESFRS did not attend)

Kent FRS attended 1 incident in Burwash station area, where ESFRS did not attend, this was during 2017-18. This information is stored in Kent’s IRS system. *Please note there were 3 attendances in 2018-19, but this is outside the sample period (2009-2018).*

	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Kent into Burwash Area	0	0	0	0	0	0	0	0	1	1
Total OTB FRS into ESFRS	64	57	73	83	84	53	66	60	77	617

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.

Burwash completed 160 standby moves between April 2009 and March 2018, accounting for 1.6% of all standby moves for ESFRS. The number of standbys attended is on the increase, no standbys were completed in 2009/10. There was a sharp increase in 2015/16 and Burwash made 69 moves in 2017/18.

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
Burwash	0 (0%)	1 (0.1%)	6 (0.7%)	3 (0.3%)	6 (0.6%)	6 (0.7%)	22 (2%)	47 (3%)	69 (3%)	160 (1.6%)
ESFRS Total	773	795	877	947	1,010	835	1,086	1,556	2,301	10,180

36% of Burwash's standbys were in Hastings (21% at The Ridge, 16% at Bohemia Road). 25% of standbys were in Battle, accounting for 6% of all standbys in Battle. Burwash have also attended 20 standbys at Rye, accounting for 8% of all the standbys in Rye. Burwash have also stood by at Crowborough (18 moves) and Uckfield (9 moves).

Standby Locations (% Within Area / Appliance)		
Standby Location	74P1	Total Standbys at Location
Battle	40 (25%)	659
Hastings Ridge	33 (20.6%)	1245
Hastings Bohemia	25 (15.6%)	1495
Rye	20 (12.5%)	258
Crowborough	18 (11.3%)	598
Uckfield	9 (5.6%)	730
Eastbourne	4 (2.5%)	669
Bexhill	4 (2.5%)	522
Tunbridge Wells	2 (1.3%)	21
Lewes	2 (1.3%)	1142
Burwash	1 (0.6%)	1
Roedean	1 (0.6%)	1272
Heathfield	1 (0.6%)	23
Total	160	-

Special Appliances

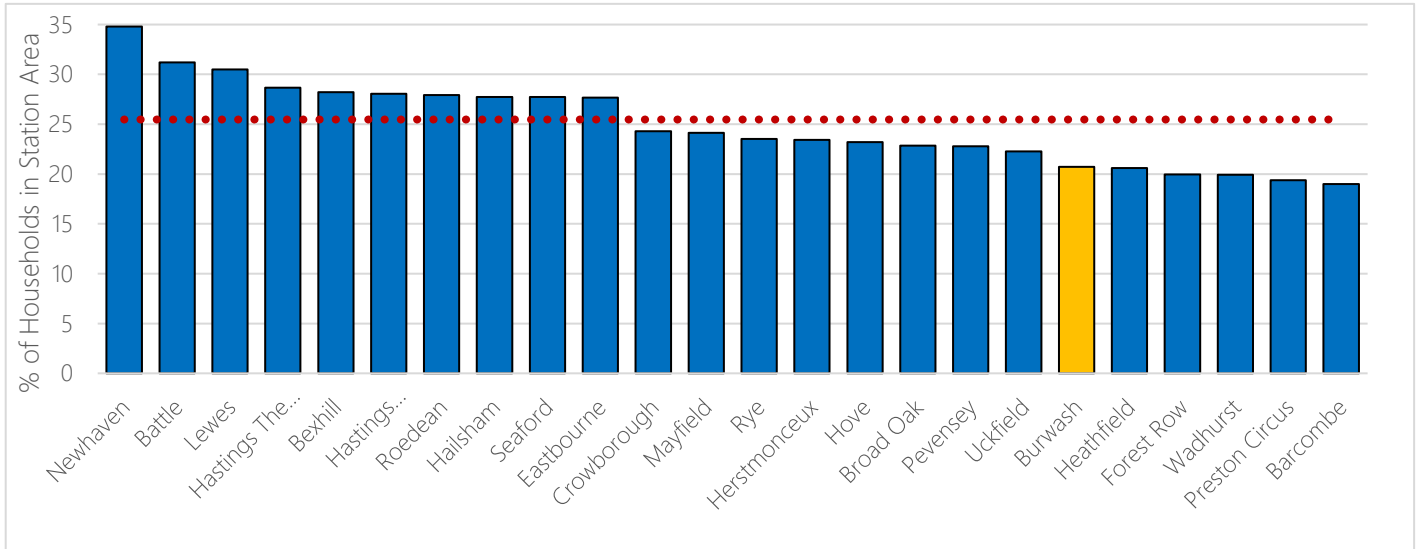
There are no special appliances based at Burwash fire station.



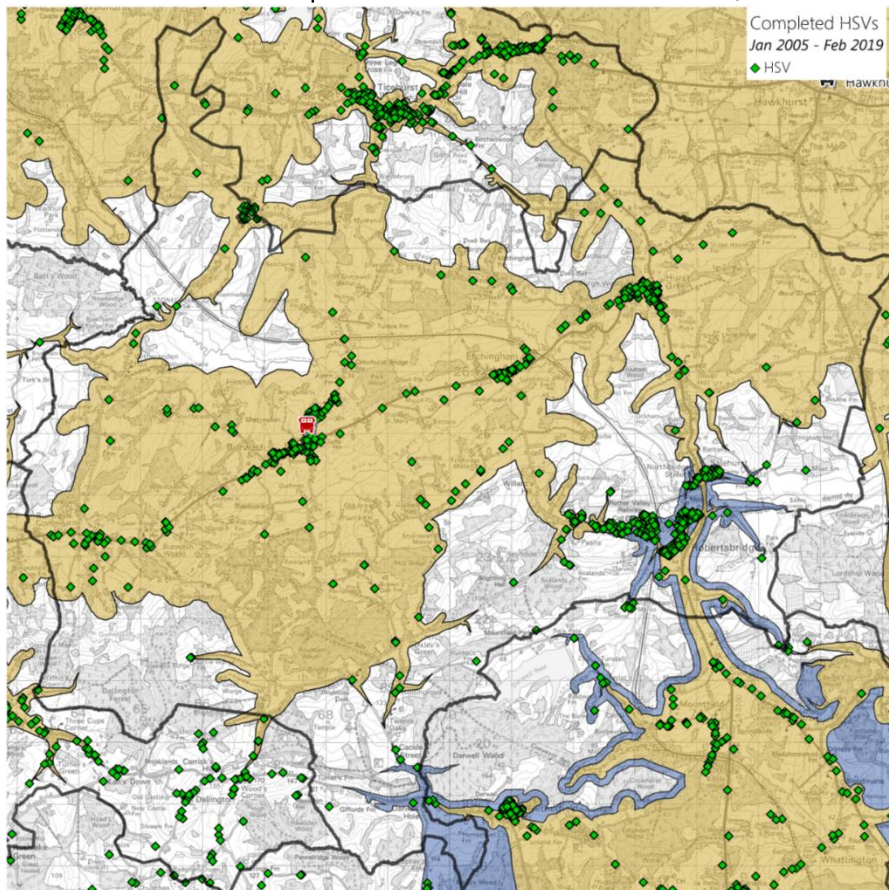
Prevention – Home Fire Safety

Between January 2005 and February 2019, a total of 1,000 HSVs have been undertaken within Burwash Station Admin area. These figures includes re-visits to the same property over the years. This equates to 751 unique households which have had a Home Safety Visit.

Over the last five years (Apr 2013 – Mar 2018), an average of 91 HSVs were undertaken each year – making up approximately 0.9% of all HSVs undertaken across the ESFRS area. 21% of HSVs undertaken in Burwash station area sit outside the attendance standards isochrone (but reverts to just 2% during the night) – these representing households in Robertsbridge. This is in line with the proportion of households that fall outside of the isochrone (1.7%). 20.8% of all households in Burwash station area have had a Home Safety Visit; below the ESFRS total of 25.5%.



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

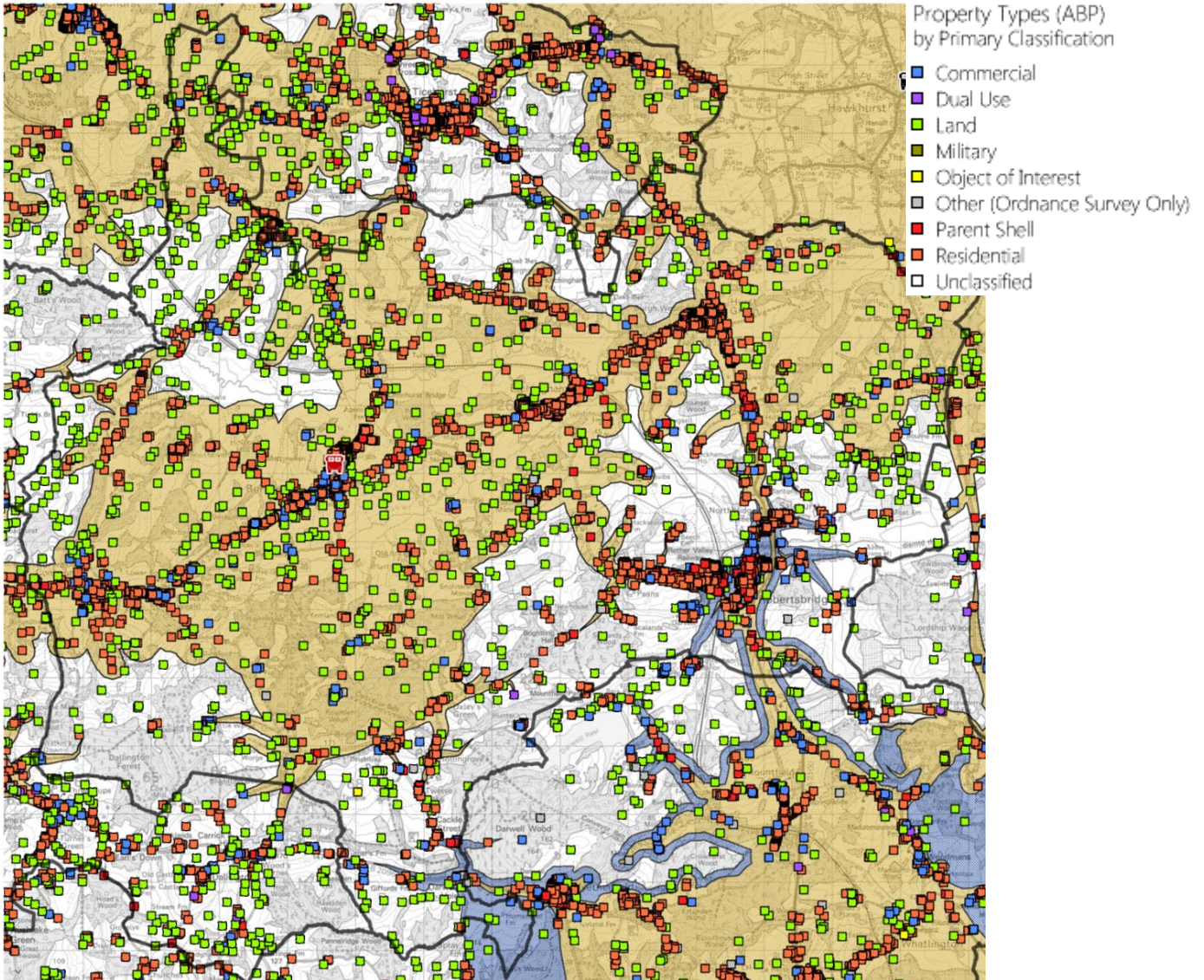




Protection – Business Safety

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)	%
Burwash	532	404	75.9	486	91.2

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

Around 24% of commercial properties were found to be outside of the attendance standards isochrones during the day, decreasing to 9% at night. On further inspection, the majority of these were in Robertsbridge.

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

Hospital	Care Home	Hostel	Hotel
0	2	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 Burwash 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. Almost half have been to care homes and 23% to licensed premises.

Business Safety Audits by Property Type (% within area)

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

Property Type	Burwash	ESFRS
A - Hospitals & Prisons	0 (0%)	180 (2.4%)
B - Care Home	15 (48.4%)	1,595 (21.4%)
D - Purpose Built Flats > 3 Stories	0 (0%)	398 (5.4%)
E - Hostel	0 (0%)	139 (1.9%)
F - Hotel	1 (3.2%)	1,379 (18.5%)
G - House Converted to Flats	1 (3.2%)	240 (3.2%)
H - Other Sleeping Accom.	2 (6.5%)	1,009 (13.6%)
J - Further Education	0 (0%)	31 (0.4%)
K - Public Building	0 (0%)	25 (0.3%)
L - Licensed Premises	7 (22.6%)	890 (12%)
M - School	0 (0%)	148 (2%)
N - Shop	1 (3.2%)	562 (7.6%)
P - Other Public Premises	0 (0%)	231 (3.1%)
R - Factory/Warehouse	0 (0%)	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	4 (12.9%)	143 (1.9%)
Total	31	7,436

Business Safety Audits by Year

Station Area	2013/14	2014/15	2015/16	2016/17	2017/18	Total	Ave. per Yr	%
Burwash	4	6	2	0	1	13	3	0.5



Developments

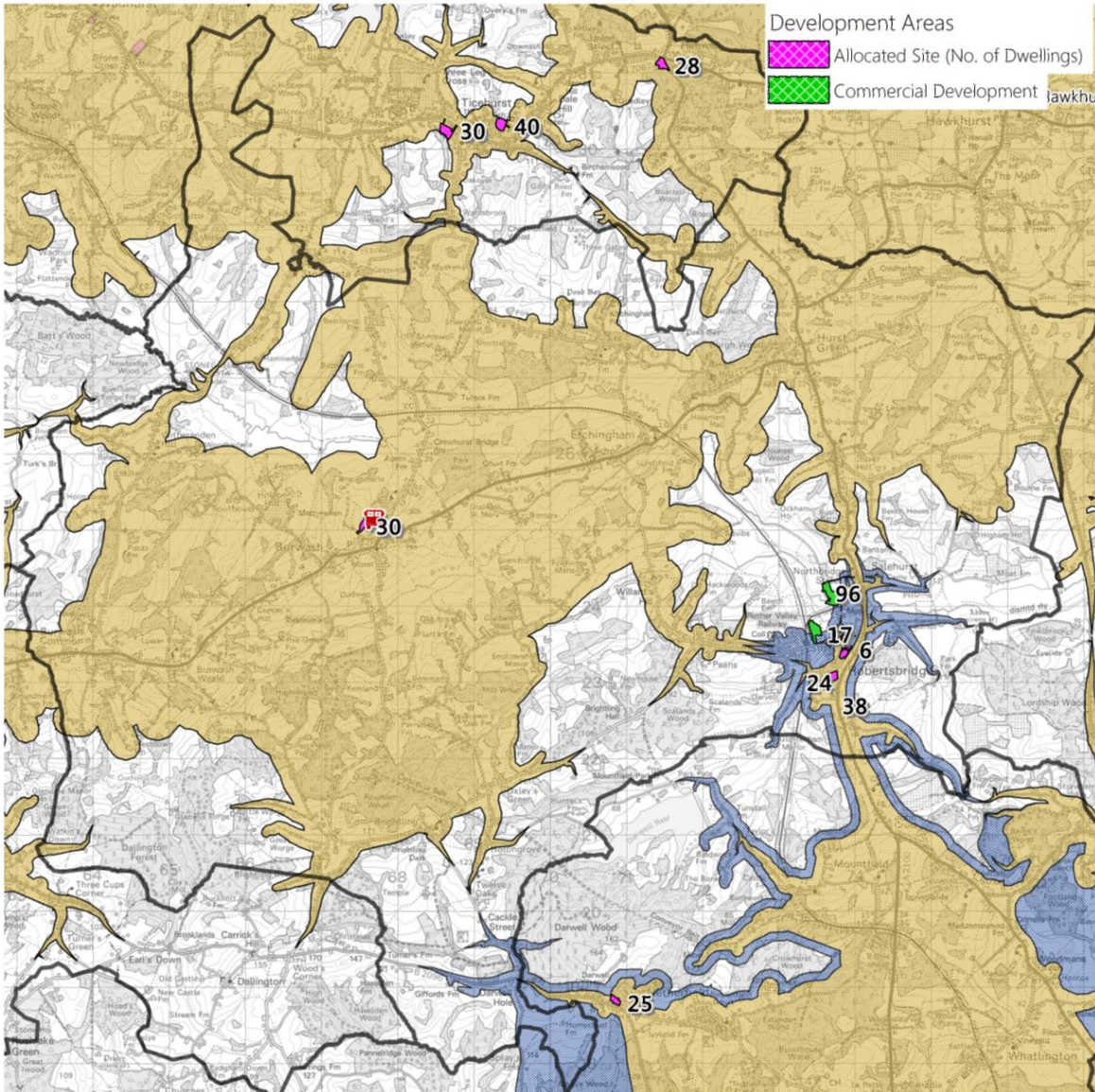
Residential

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 6 allocated sites with a total of 211 dwellings across these areas. The majority of these dwellings are to be built in the Robertsbridge area, much of which lies outside of our attendance standards isochrones. However, predicted growth in housing developments does not pose a significant increase in risk for ESFRS.

Commercial

Details of commercial developments have been supplied from the local planning office which are shown on the map below. It can be seen that there are two commercial development areas, towards to the north of Robertsbridge area which have a combined floorspace of approximately 2,975sqm. These, too, sit outside of the attendance standards isochrones.

Development areas – allocated sites





Road Risk

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

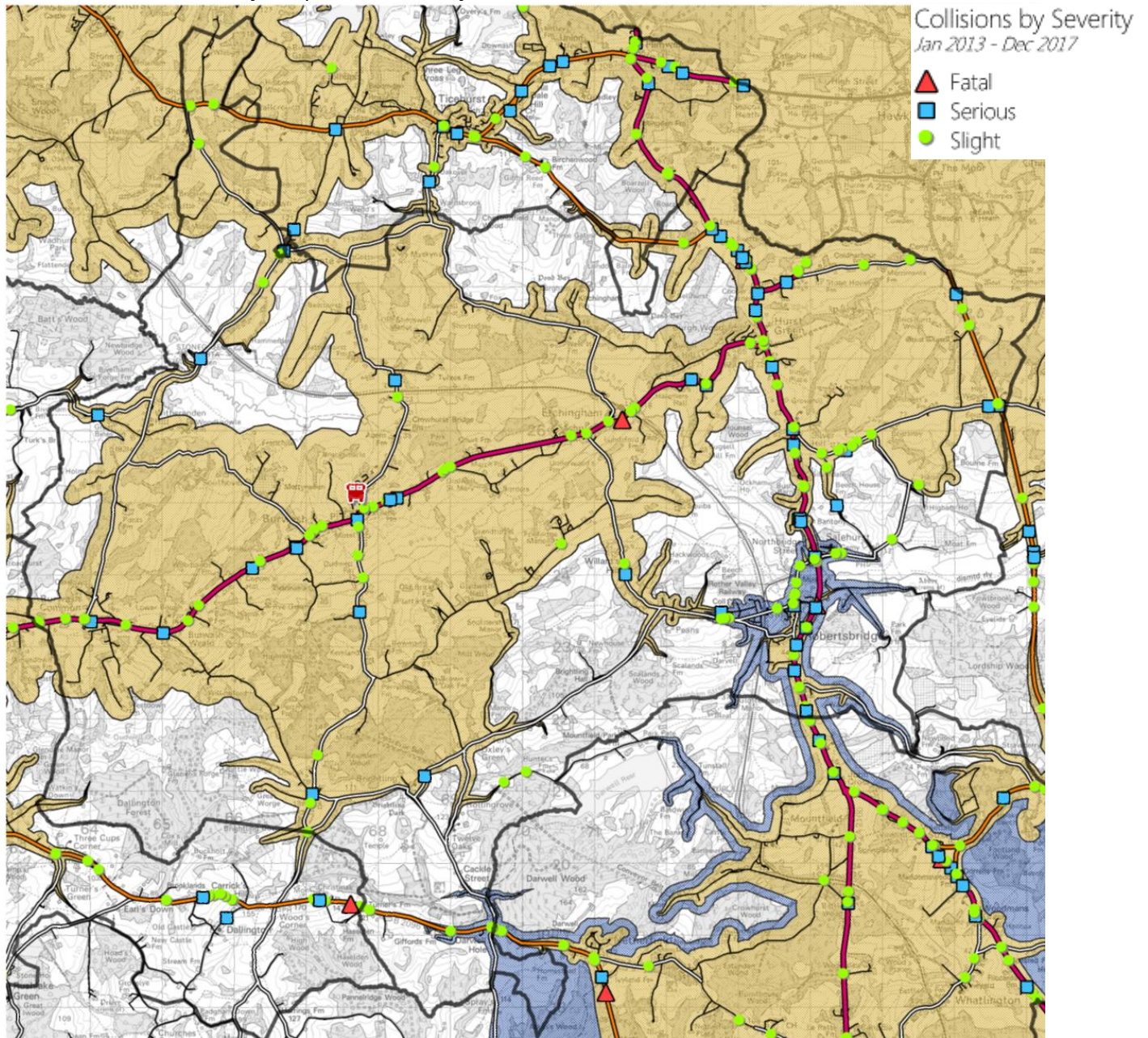
- **A roads** – major roads intended to provide large-scale transport links within or between areas.
- **B roads** – roads intended to connect different areas, and to feed traffic between A roads and smaller roads on the network.
- **Classified unnumbered** – smaller roads intended to connect together 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 Burwash Station area, broken down by Road type. There is approximately 177km of Road within Burwash station area, 12% of which are A Roads, which represents a higher proportion of A Roads within the station area than the ESFRS average (Burwash, in fact, ranks 4th highest area with greatest proportion of A Roads). However, this makes sense as Burwash is largely rural with comparatively fewer roads.

Road Type	Burwash	ESFRS
A Road	21km (12%)	521km (10%)
B Road	6km (3%)	302km (6%)
Classified Unnumbered	55km (31%)	759km (14%)
Total Classified Roads	83km (47%)	3,779km (30%)
Not Classified/Unclassified	95km (53%)	1,582km (70%)
Total All Road Types	177km (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 Burwash 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	Burwash	ESFRS
Fatal	3 (1.9%)	112 (1.1%)
Serious	47 (29.6%)	2,235 (21%)
Slight	109 (68.6%)	8,307 (78%)
Total	159	10,654
Ave. per Year	32	2,131

There are, on average, 32 KSI collisions per year in Burwash station area. 31.5% of collisions result in serious or fatal injuries and this proportion is 9.4% higher than ESFRS overall.

Out of the 159 collisions, there were 4 that sit outside of the attendance standards isochrones – all resulted in slight injuries. The SSRP data did not contain the time of the collision.

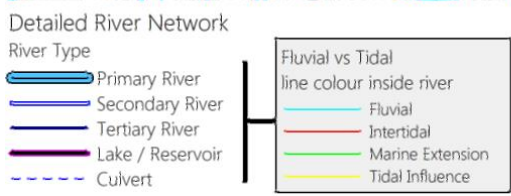
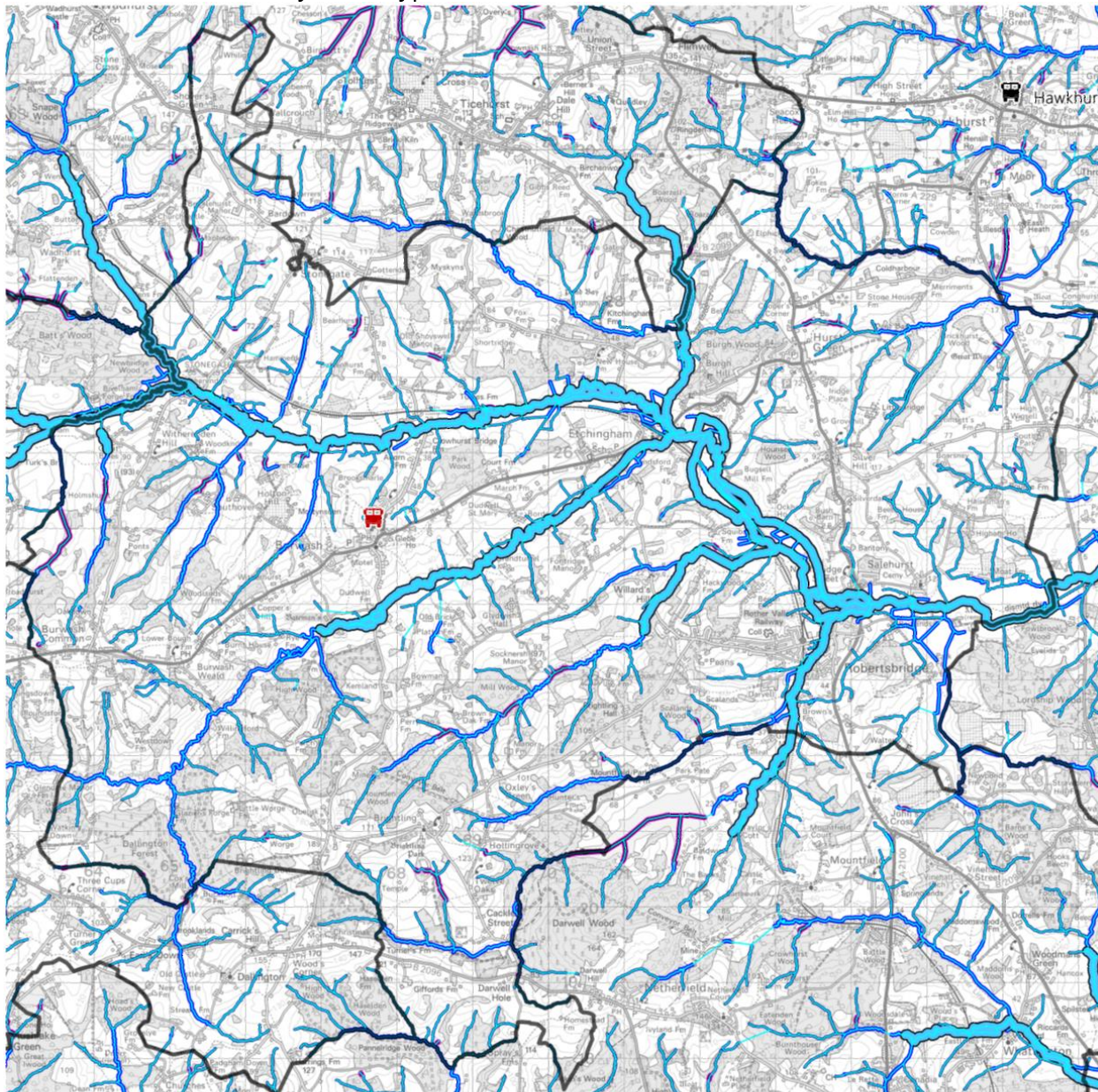


Water Risk

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 286km of rivers within the Burwash station area, which makes up approximately 7.3% of all rivers across the ESFRs area. This ranks Burwash station area as 4 out of the 24 station areas.

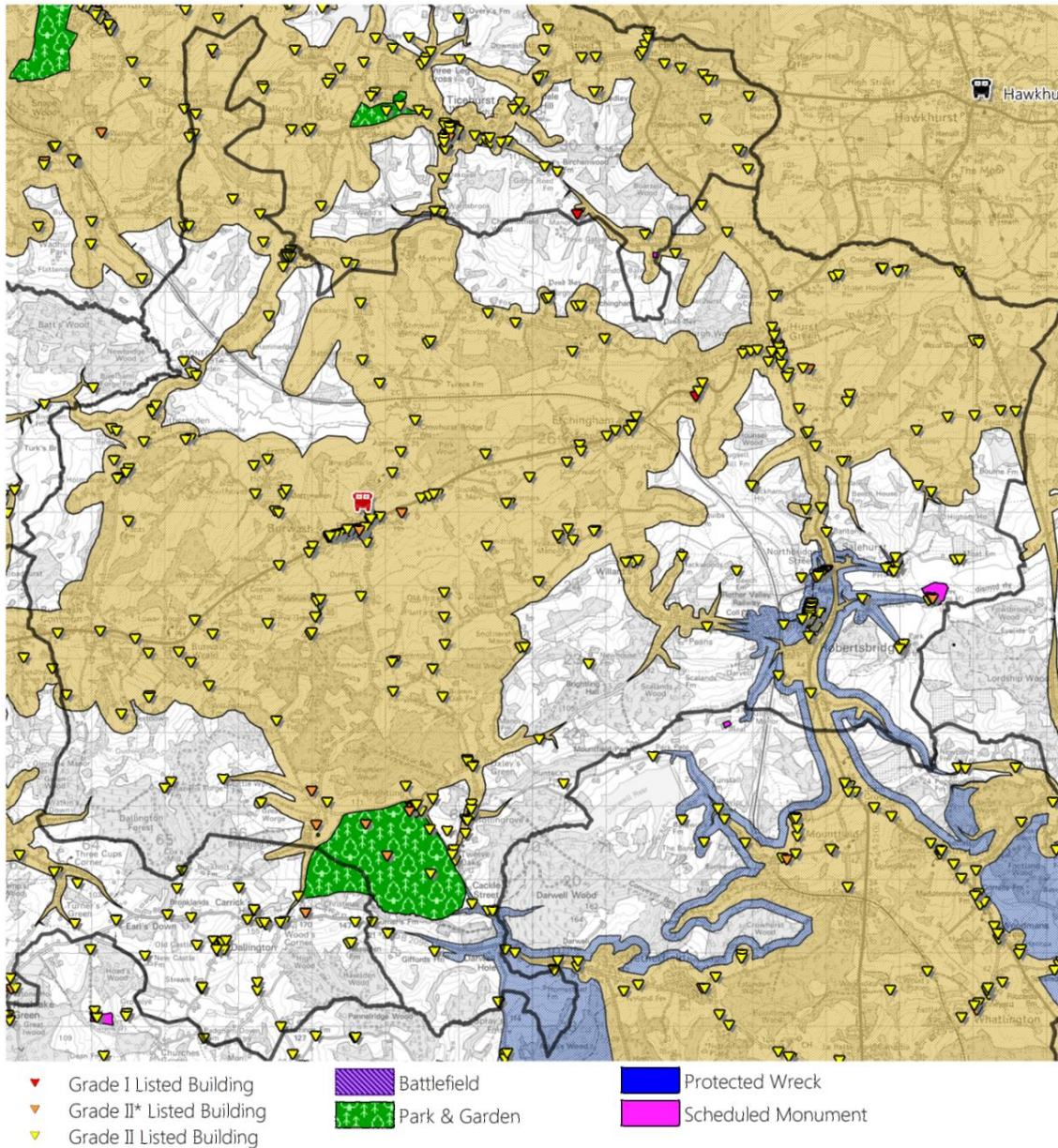
Burwash has 43km of primary rivers, which is the 5th highest proportion of primary rivers compared to other ESFRS areas (6.4%) and ranks 6th place for the percentage of secondary rivers in its area (5.8% of all secondary rivers).

There are no tidal rivers within the station area, nor any coastline.

River Type	Fluvial vs Tidal	Burwash River Length (km)	%	ESFRS River Length	%
Primary River	Fluvial	42.58	14.9	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>42.58</i>	<i>14.9</i>	<i>662.53</i>	<i>16.9</i>
Secondary River	Fluvial	65.18	22.8	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>65.18</i>	<i>22.8</i>	<i>1,130.62</i>	<i>28.8</i>
Tertiary River	Fluvial	166.54	58.2	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>166.54</i>	<i>58.2</i>	<i>1,908.22</i>	<i>48.6</i>
Lake / Reservoir	Fluvial	4.89	1.7	111.25	2.8
Culvert	Fluvial	6.78	2.4	111.24	2.8
<i>Total Fluvial</i>		<i>285.97</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>
Grand Total		286	100	3,923.85	100

Heritage Risk

The following map shows the location of different types of heritage risk dispersed across the station area. Although the majority are within the attendance standard isochrones, there are a number that sit outside. There is a scheduled monument in Robertsbridge that sits outside of the isochrones (Robertsbridge Abbey).



Grade	# in Area	Within Attendance Standard (Day)	%	Within Attendance Standard (Night)	%
I	6	3	50.0	4	66.7
II*	19	14	73.7	14	73.7
II	366	317	86.6	342	93.4
Total	391	334	85.4	360	92.1

There are 3 grade I listed building outside of the attendance standards isochrone (daytime). These are St. Mary's Church (Salehurst), the Abbey (Robertsbridge) and St Thomas a Becket Church in Brightling.



Environmental Risk

The following map shows a breakdown of various environmental risks across Burwash station area. There is fluvial flood risk from the River Rother and River Dudwell which cut right across the station area from east to west, as shown 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 Burwash station area classified as "special service – flooding". This equates to 1.5% of all incidents in Burwash and is lower than the ESFRS proportion of 4.2% per year.

There are 2 Sites of Special Scientific Interest (SSSIs) in Burwash station area, 1 of which is outside the attendance standards isochrone, although the other is on the cusp – Dallington Forest & Willingford Meadows respectively.



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

- Agriculture land
- Assumed woodland
- Bare area
- Broadleaved
- Conifer
- Coppice
- Coppice with standards
- Felled
- Grassland
- Low density
- Mixed mainly broadleaved
- Mixed mainly conifer
- Open water
- Other vegetation
- Quarry
- Shrub
- Urban
- Young trees



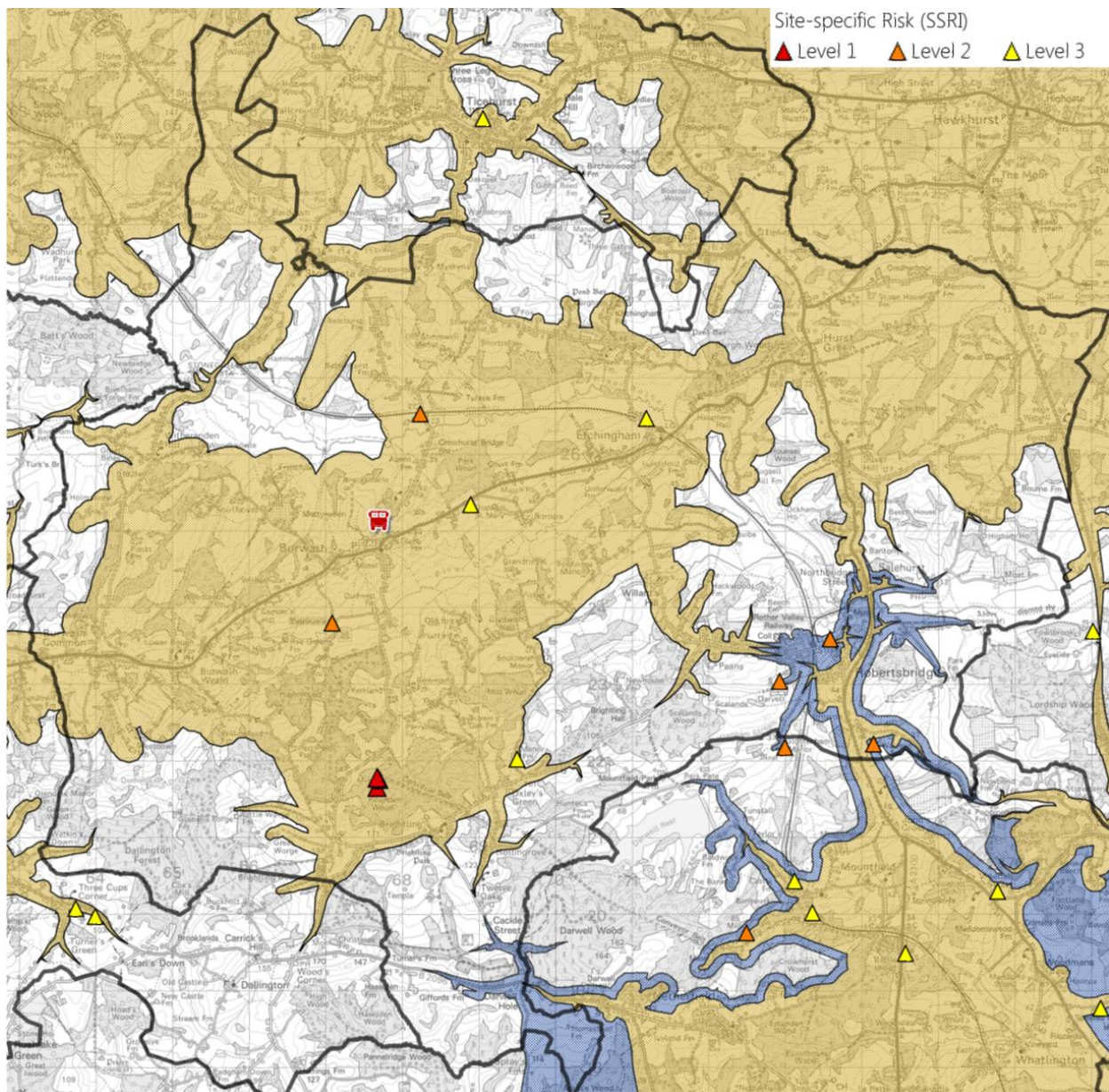
Special Risk (Operational Risk)

Site-Specific Risk Information (SSRI)

There are a total of 13 SSRIs (Levels 1-3) within the Burwash Station Admin area, 3 of which are Level 1, as shown in the table below. This is the 2nd highest proportion of Level 1s to all SSRIs across the whole of the ESFRS area and represents 11% of all Level 1 SSRIs across the ESFRS area.

SSRI Risk	Burwash	ESFRS
Level 1	3 (23.1%)	25 (3.1%)
Level 2	7 (53.8%)	294 (36.3%)
Level 3	3 (23.1%)	461 (56.9%)
Total	13	810

The map below shows the location of these SSRIs. The majority are located to the South/South-East of Burwash towards Burwash Harbour. All Level 1 SSRIs are within the attendance standard isochrone, but there are 3 Level 2 isochrones sitting outside the isochrones – again, these are around Robertsbridge.



High-Rise Risk

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

Special Risk

There are no COMAH sites within Burwash station area. British Gypsum mines (Level 1 SSRIs) pose a special risk due to its subterranean nature and are also one of the largest employers in the local area. The site also makes a significant economic contribution to the local vicinity through the purchasing of local services and additional employment opportunities through sub-contracting.

Over border risks

12km of Burwash's station boundary is shared with Kent FRS. There are no significant over-border risks.

