

# Keswick Station Risk Review / Profile

This document assesses the specific performance and risk within the fire station area. It provides more defined risk profiling down to Lower Super Output Area (LSOA) level.

The risk profiling process by its very nature provides evidence of the fire risk within each geographical LSOA using detailed known risk and demographic information. The risk formula used to inform our fire risk profile was devised following the Intervention Standards Review, full details are available on our website: [www.cumbria.gov.uk/fire](http://www.cumbria.gov.uk/fire)

The review also identifies other significant risks in the area that need consideration so that our resources are appropriately allocated across the county.

As well as looking at county wide issues and trends in the main Integrated Risk Management Plan (IRMP), this individual station risk profile considers:

- Current resources
- Appliance availability
- Operational response activity
- Fire risk profile
- Next nearest supporting appliances
- Location specific risks including: heritage risk, environment risk, site specific risks: flooding risks, rurality and resilience risk.

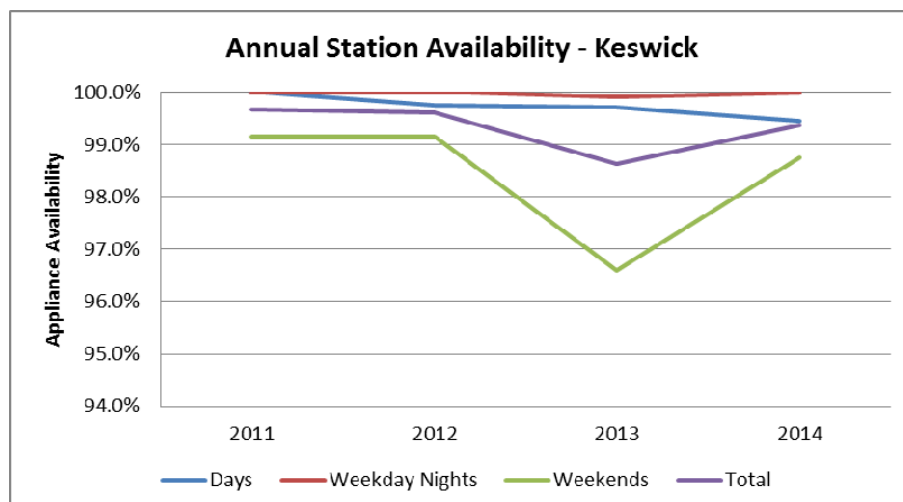
## Resources

The station was built in 1969 and incorporates a drill yard and tower, in addition to the two appliance bays. It is staffed by 13 on call firefighters, who provide crewing for one fire engine and one wildfire landrover. Keswick firefighters have specific training and equipment to deal with wildfire and flood related incidents.

The station also provides base for a maintenance vehicle and a large trailer pump on behalf of CCC Highways. The pump is positioned so that can be used to mitigate surface water flooding in the area. Also the charity, Blood Bikes Cumbria uses the station to locate one of their blood transportation bikes. Keswick Community First Responders also store their lifesaving defibrillator on station.

## On-call Appliance Availability 2014

During 2014 the Keswick On-call Appliance had been off the run on 54.75 hours or 0.62% of the time

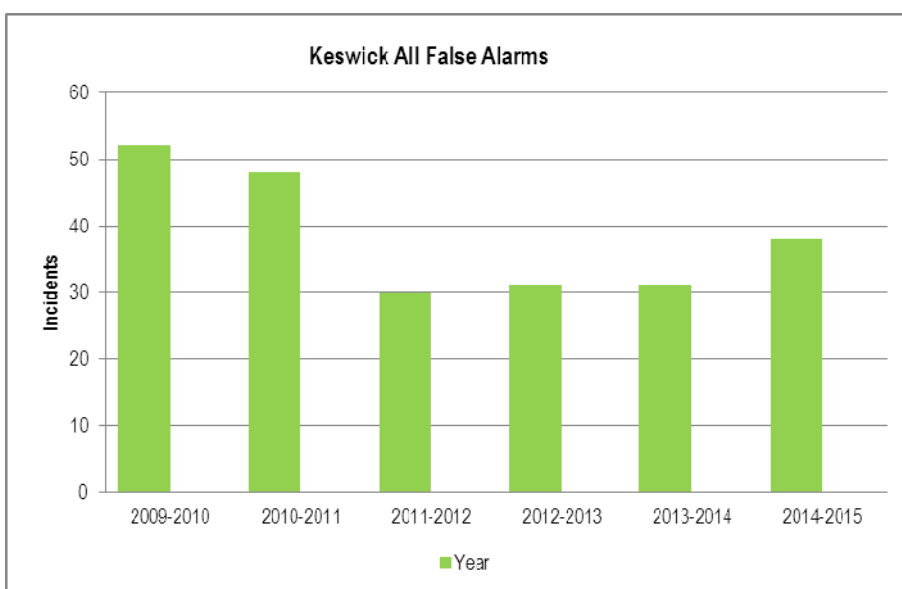
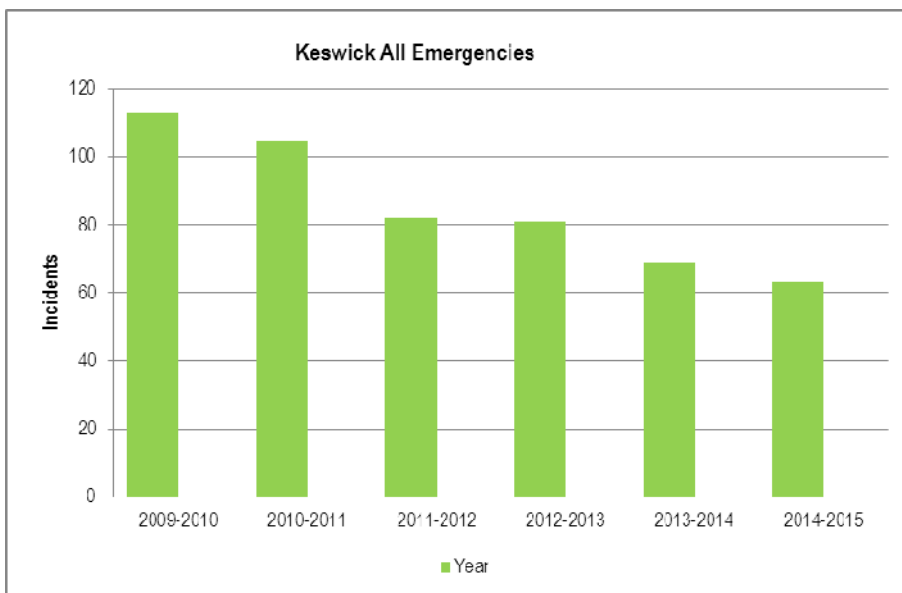


## Activity

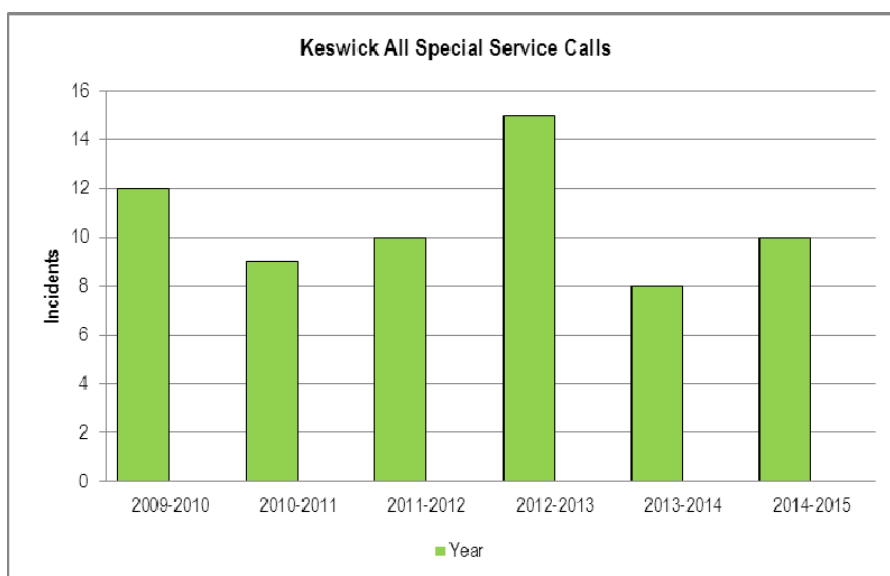
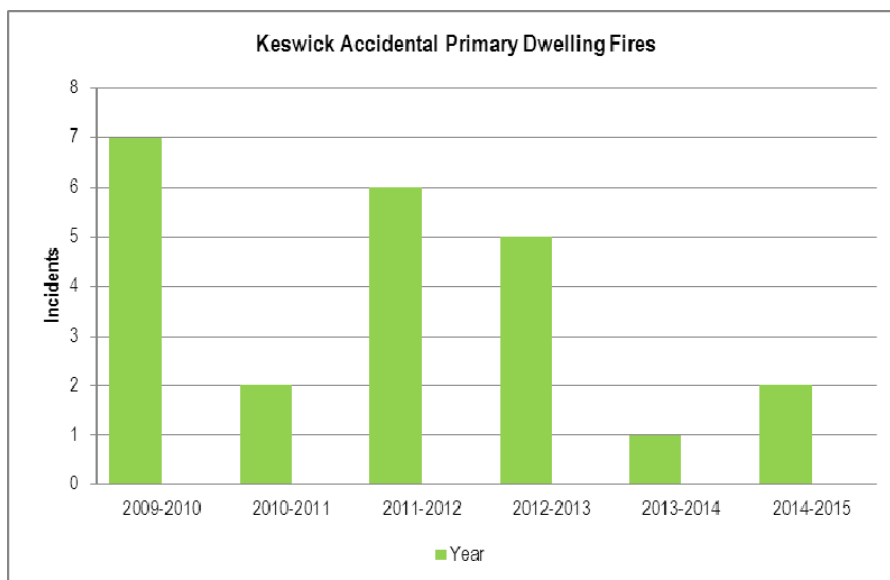
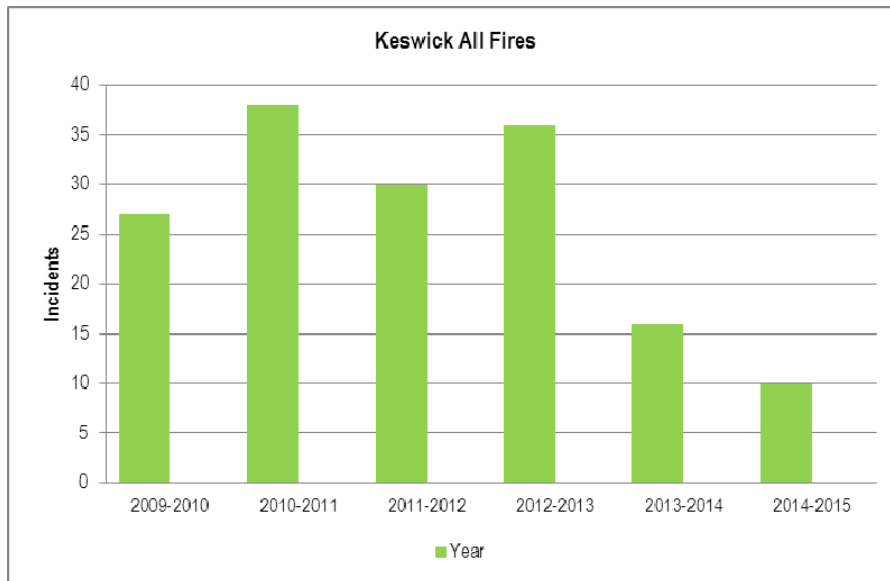
Considering incident numbers and types over time, the following table illustrates that Keswick station area has seen a considerable reduction in the number of incidents:

Fire Station	Incident Activity in historical Station Area		Recent Incident Activity in historical Station Area Averaged over 2011-14 period			Fire engines / Crewing System		
	Average Number of Incidents 2003/2004	Average Number of Incidents 2008/2009	Average Number of Incidents	Average No of AFAs	Average No of Road Traffic Collisions	Average No of Property Fires	Number of Fire engines	Crewing System
Keswick	147	94	78	25.7	7.3	11.7	1	On Call

The following number of incidents have occurred in Keswick Station Area but not necessarily attended by the Keswick fire engine:



## Activity continued



## Activity continued

The Keswick fire engine has 'booked in attendance' at the following number of incidents over the last five years. Some of the incidents attended may have been in neighbouring station areas.

### Incidents Attended Apr-2009-Mar-2015 by C07 Station Pumps

CallSign	Incident_Type	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total
C07L1	FA - Apparatus	7	5					12
	FA - Good Intent	1	2					3
	Fire - Primary Dwelling	6	1					7
	Fire - Primary NonResidential	4	2					6
	Fire - Primary OtherResidential	2	3					5
	Fire - Primary OutdoorStructure	1	1					2
	Fire - Primary RoadVehicle	1	5					6
	Fire - Secondary		1					1
	SSC - Other	9	2					11
	SSC - RTC	6	5					11
C07M1	FA - Apparatus			3				3
	FA - Good Intent					1		1
	Fire - Primary Dwelling			2		1	1	4
	Fire - Primary NonResidential						1	1
	Fire - Primary OtherResidential			1				1
	Fire - Primary Outdoor			5		4		9
	Fire - Primary RoadVehicle			1				1
	Fire - Secondary		1	2	2	2		7
	SSC - Other			2	1	4		7
	SSC - RTC						2	2
C07P1	FA - Apparatus	41	33	25	25	26	20	170
	FA - Good Intent	8	14	3	6	5	19	55
	FA - Malicious	1			1			2
	Fire - Chimney	3	3	3	4	4	5	22
	Fire - Primary Dwelling	6	3	6	6	1	2	24
	Fire - Primary NonResidential	5	5	2	3	3		18
	Fire - Primary OtherResidential	2	3	3		1	1	10
	Fire - Primary Outdoor	1	1	6	1	4		13
	Fire - Primary OutdoorStructure	2	3	1	3			9
	Fire - Primary RoadVehicle	4	8	5	3	4	2	26
	Fire - Secondary	4	13	9	18	7	1	52
	SSC - Other	13	10	12	7	12	11	65
	SSC - RTC	11	8	10	9	11	9	58
	<b>Total</b>		<b>138</b>	<b>132</b>	<b>101</b>	<b>89</b>	<b>90</b>	<b>74</b>

## Fire Risk Profile

The following table details the total number of incidents, per category, that have occurred in the LSOAs that are nominally attached to Keswick Station Area.

C07 Keswick Risk Profile		Incidents 2003/4 - 07/08		Incidents 2004/5 - 08/09		Incidents 2005/6 - 09/10		Incidents 2006/7 - 10/11		Incidents 2007/8 - 11/12		Incidents 2008/9 - 12/13		Incidents 2009/1 - 13/14		Incidents 2010/11 - 14/15	
		2008/9 Risk		2009/10 Risk		2010/11 Risk		2011/12 Risk		2012/13 Risk		2013/14 Risk		2014/15 Risk		2015/16 Risk	
Score	Risk Grade	Risk Score	No. of SOAs	Risk Score	No. of SOAs	Risk Score	No. of SOAs	Risk Score	No. Of SOAs	Risk Score	No. Of SOAs	Risk Score	No. Of SOAs	Risk Score	No. Of SOAs	Risk Score	No. Of SOAs
76 and above	High	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 to 75	Medium	36	1	0	0	54	1	52	1	58	1	64	1	64	1	60	1
34 and below	Low	96	4	118	5	94	4	94	4	92	4	92	4	86	4	80	4
		132	5	118	5	148	5	146	5	150	5	156	5	150	5	140	5
Total Risk Score		132		118		148		146		150		156		150		140	
Risk Score Increase/Reduction over the period				-10.61%		12.12%		10.61%		13.64%		18.18%		13.64%		6.06%	

## Next nearest Supporting Appliances

The following table indicates the travel distance in miles from Keswick Fire Station to the next nearest three fire stations.

Station Name	Distance by Road (MILES)
Penrith	17
Cockermouth	13.5
Ambleside	15.5

### Other contextual information

The town of Keswick lies in the heart of the Lake District and is very popular with holiday makers and people coming for long weekends. The influx of tourists often increases the town's population threefold at the height of the season, filling many of the hotels and guest houses, significantly increasing the sleeping risk.

The main risks are associated with residential properties, hotels, guest houses and other types of holiday accommodation. However, other risks include large volumes of traffic on the predominantly 'B' type roads and the busy Penrith to Workington A66, which increases the potential for road traffic collisions. Open farmland brings the danger of barn and heath fires, in addition to other farm incidents, such as livestock rescues.

With three major lakes within the station area, the potential for water rescue incidents is high, as is the possibility of flooding which has resulted in some significant rescue operations in recent years.

Keswick	Risk in station area:
Heritage	<ul style="list-style-type: none"> <li>• Castle Rigg Stone Castle</li> <li>• Derwent Island House</li> <li>• Mire House</li> <li>• Force Crag Mine</li> <li>• Threlkeld Settlement</li> </ul> <p><b>Grade I listed:</b></p> <ul style="list-style-type: none"> <li>• Greta House (formerly Greta Hall), Keswick</li> </ul> <p><b>Grade II* listed:</b></p> <ul style="list-style-type: none"> <li>• Church Of St Bega, Bassenthwaite</li> <li>• Mirehouse, Bassenthwaite</li> <li>• Orthwaite Hall and adjoining Barn</li> <li>• The Moot Hall, Main Street, Keswick</li> <li>• Church of St John, Keswick</li> <li>• Church of St Kentigern, Church Lane, Gt Crosthwaite</li> <li>• Millbeck Hall and adjoining Barn, Millbeck</li> </ul>
Environment	Special Areas of Conservation: Borrowdale Woods (NY 235129), High Fells (NY 303318), River Derwent (NY262207), Tarn Moss (NY400274) Plus 32 Sites of Specific Scientific Interest
Site Specific Risks	Derwent Isle
Flooding	Flood Risk: The Town has been affected by severe floods over recent years and the Environment Agency and United Utilities have invested heavily to provide engineered solutions to the flooding problems. However flooding from surface water remains a risk to some areas of the town. Keswick is situated on the River Greta, immediately upstream of its confluence with the River Derwent. The Flood Warning area covers approximately 2.48 Km <sup>2</sup> and includes low lying property, parkland and campsite between Low Briery on the River Greta to where the River Derwent enters Derwentwater Lake. There are approximately 800 properties at risk with major flooding occurring in 1954, 1985, 2004, 2005 and 2009, and minor events every few years in between.
Rurality	In Keswick there are 5 Super Out Put Areas 3 can be described as "Town and Fringe" according to DEFRA Urban/Rural classifications and 2 as "Village and Hamlet".

The maps below examine the profile of the station in regard to broader risks. In this context, the maps represent the vulnerability (or risk) of a LSOA to a particular incident type, not a prediction of such an event happening in the future. Please note, a threshold has been set across the county in order to identify areas of greater risk from specific incident types, to inform prevention strategies and resource provision.

**Keswick (C07) Diversity Ratio Profiles**

<p>Primary Fires / RTCs</p> <ul style="list-style-type: none"> <li><span style="color: red;">●</span> Involving a fatality</li> <li><span style="color: orange;">●</span> Involving a serious casualty</li> <li><span style="color: blue;">●</span> Involving slight or no casualties</li> </ul> <p><span style="color: red;">🔥</span> Secondary fires</p> <p>Flood and Water Rescues</p> <ul style="list-style-type: none"> <li><span style="color: blue;">💧</span> Flood incidents</li> <li><span style="color: blue;">🚣</span> Water rescues</li> </ul>	<p>C07 Keswick Score by Diversity Ratio Index By Lower Super Output Area</p> <ul style="list-style-type: none"> <li><span style="background-color: red; width: 15px; height: 10px; display: inline-block;"></span> High</li> <li><span style="background-color: orange; width: 15px; height: 10px; display: inline-block;"></span> Medium</li> <li><span style="background-color: blue; width: 15px; height: 10px; display: inline-block;"></span> Low</li> </ul>
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