

Windermere Fire Station
Risk Based Evidence Profile 2018
Risk Review



**Prepared by Cumbria County Council
Performance and Intelligence Team**

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Introduction

This document forms part of the Risk-Based Evidence Profile 2018 (RBEP 2018). The RBEP 2018 is comprised of a 'core' document profiling risk and demand across the county, and 38 individual station profiles (of which this is one).

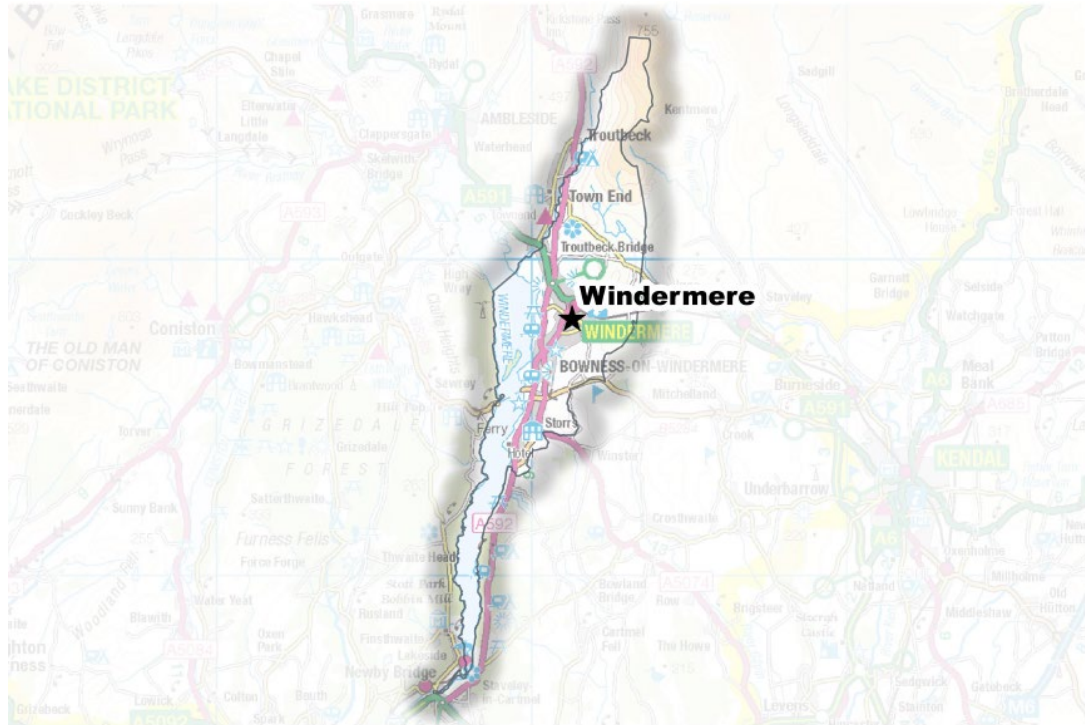
The RBEP 2018 is developed to support the Integrated Risk Management Plan (IRMP) 2019-23. The purpose of the IRMP 19-23 is to identify and assess fire and rescue related risks for the next four years, and set out what the service is going to do to address them.

Each station profile details the station area and its available resources, alongside the demand and risk for that station. Prevention and protection activities are also provided to evaluate the scope of mitigating actions that have been taken to address high priority risks.

Horizon scanning is conducted to identify any significant infrastructure, economic and housing developments which need to be taken into account for future service provision.

Station Area and Resources

The fire station is situated in Windermere. A map of the ‘station area’¹ is shown below. The station in 17/18 was crewed by 11 firefighters working the On-call duty system.



Station Area	8,200 population
Crewing Type	On-call
Fire Engines	1 fire engine 1 wildfire land rover

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

Station Name	Distance by Road (MILES)
Staveley	5 miles
Ambleside	5.5 miles
Kendal	8.5 miles

¹ This is a nominal area which distributes the county across its 38 stations for the purposes of management and performance benchmarking.

Fire Engine Availability

During 2017/18 the Windermere on-call fire engine had been off duty for 1.93% of the time.

C70P1	2015/16	2016/17	2017/18
Total Availability	98.31%	96.10%	98.07%
Mon - Fri (08:00 - 18:00)	99.24%	95.39%	96.58%
Mon - Thurs (18:00 - 08:00)	99.91%	97.56%	99.75%
Fri - Mon (18:00 - 08:00)	99.52%	94.63%	97.74%

Station Fire Engine Response Times

Windermere fire engine has been called to the following number of incidents over the last three years with the associated response times. Some of the incidents attended may have been in neighbouring station areas.

Between 2015/16 and 2017/18 the Windermere On-call fire engine (C70P1) had the following response times below

C70P1	2015/16	2016/17	2017/18
Average crew turnout time (time it takes the crew to respond to the station)	3 mins 16 secs	4 mins 2 secs	4 mins 1 secs
Average response time (time it takes the crew to arrive at the incident from the station)	5 mins 1 secs	6 mins 13 secs	7 mins 14 secs
Number of incidents attended by fire engine C70P1	111	100	97

Station Area Response Priorities

A 3 year profile of demand within the station area, with associated number of fatalities and seriously injured casualties, is detailed in the table below.

Table 1: Prevention, Protection and Response Priorities: Windermere

Fire, Rescue and Road Safety Priorities 2018/19	Incidents			Fatalities				Seriously Injured Casualties				PRIORITY	2017/18 compared to 3yr average ³
	2015/16	2016/17	2017/18	2015/16	2016/17	2017/18	Average per 100 incidents	2015/16	2016/17	2017/18	Average per 100 incidents		
All incidents	95	78	81	-	-	-	0.0	-	-	-	0.0	n/a	↓
Injury Road Traffic Collisions ¹	-	-	1	-	-	-	0.0	-	-	-	0.0	Very High	↑
Primary Fires ²	19	12	13	-	-	-	0.0	-	-	-	0.0	Very High	↓
Flooding and water incidents	14	3	6	-	-	-	0.0	-	-	-	0.0	High	↓
Gas incl Carbon Monoxide	4	-	-	-	-	-	0.0	1	-	-	25.0	Medium	↓
Automatic Fire Alarms	38	41	40	-	-	-	0.0	-	-	-	0.0	Standard	↔
Wildfires ⁴	-	-	-	-	-	-	0.0	-	-	-	0.0	Standard	↔
Animal Assistance Incidents	-	3	1	-	-	-	0.0	-	-	-	0.0	Standard	↓

↔ = No Difference +/-5% ↑ = Higher ↓ = Lower

¹Injury Road Traffic Collisions include RTCs attended by CFRS where there was a fatality or a rescue with injury

²Primary fires include all fires in buildings, vehicles and outdoor structures or any fire involving casualties, rescues or fires attended by five or more appliances

³Increase or decrease if greater than 5% of three year average

⁴Wildfire is defined as any uncontrolled vegetation fire which requires a decision, or action, regarding suppression, plus any one of the following criteria (i) involves a geographical area of greater than 1 hectare (ii) has a sustained flame length of 1.m (iii) requires a committed resource of 4 or more appliances (iv) requires resources to be committed for over 6 hours (v) presents a serious threat to life, environment, property and infrastructure

Primary Fire Response Profile

Incident and Risk Profile

In 2017/18, there were 81 incidents within Windermere Fire Station area with 2 fatalities as a result of gas. This included 1 Injury RTC, 13 primary fires and 6 flooding and water incidents.

CFRS Risk Profile identifies the levels of risk within an area (Lower Super Output Area²) of incident types occurring – this is based on the likelihood of an incident occurring and also on the likelihood of that incident being of a life-threatening or serious nature. Full details of the risk model calculations used are in Appendix B of RBEP 2018.

The fire risk model shows increasing fire risk for Windermere Fire Station with no high level risk LSOAs, and overall risk score increasing from 112 in 2014/15 to 116 in 2018/19, an increase of 5%.

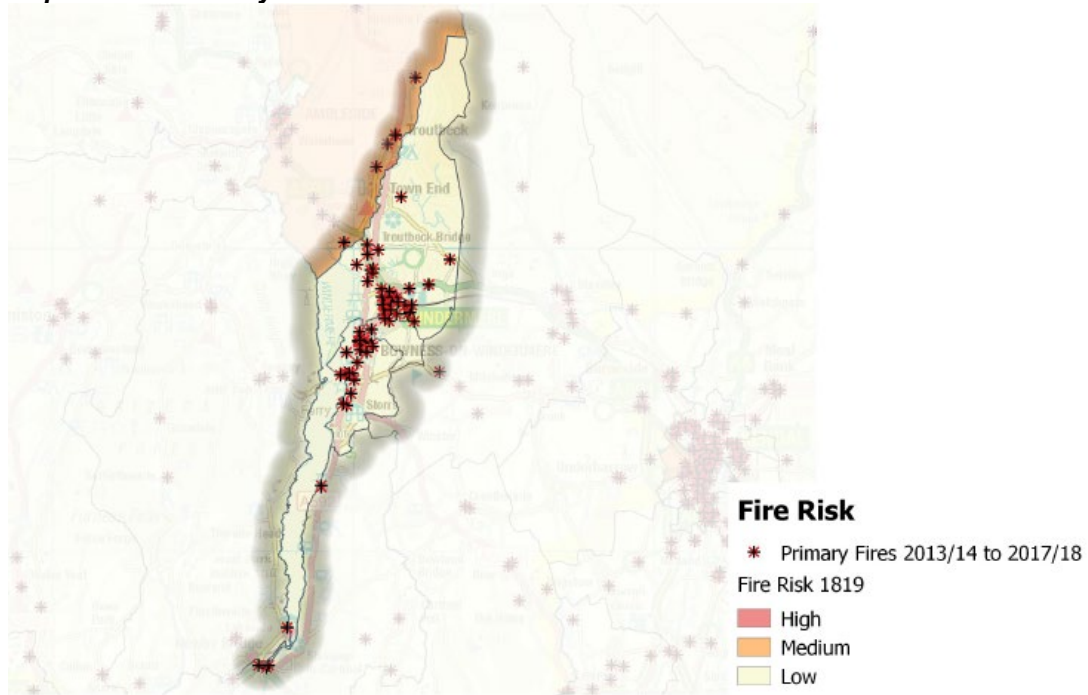
Table 2: 18/19 Primary Fire Risk – Windermere

Windermere Risk Profile		Incidents 2009/10 - 13/14		Incidents 2010/11 - 14/15		Incidents 2011/12 - 15/16		Incidents 2012/13 - 16/17		Incidents 2013/14 - 17/18	
		2014/15 Risk		2015/16 Risk		2016/17 Risk		2017/18 Risk		2018/19 Risk	
Score	Risk Grade	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs
>=76	High	0	0	0	0	0	0	0	0	0	0
35- 75	Medium	0	0	0	0	0	0	0	0	0	0
<=34	Low	112	5	112	5	116	5	116	5	118	5
TOTAL		112	112	116	116	118	112	112	116	116	118

The map of Fire Risk below shows levels of Fire Risk by LSOA, with the last 5 years of primary fire incidents clustering within Windermere town centre.

² Lower Super Output Areas are geographic areas created by the [Office for National Statistics](https://www.ons.gov.uk/methods/geography/other-geographies/lsoas) to support statistical analysis at a more detailed geographical level . Each LSOA is designed to have similar population sizes of up to 1,200 households.

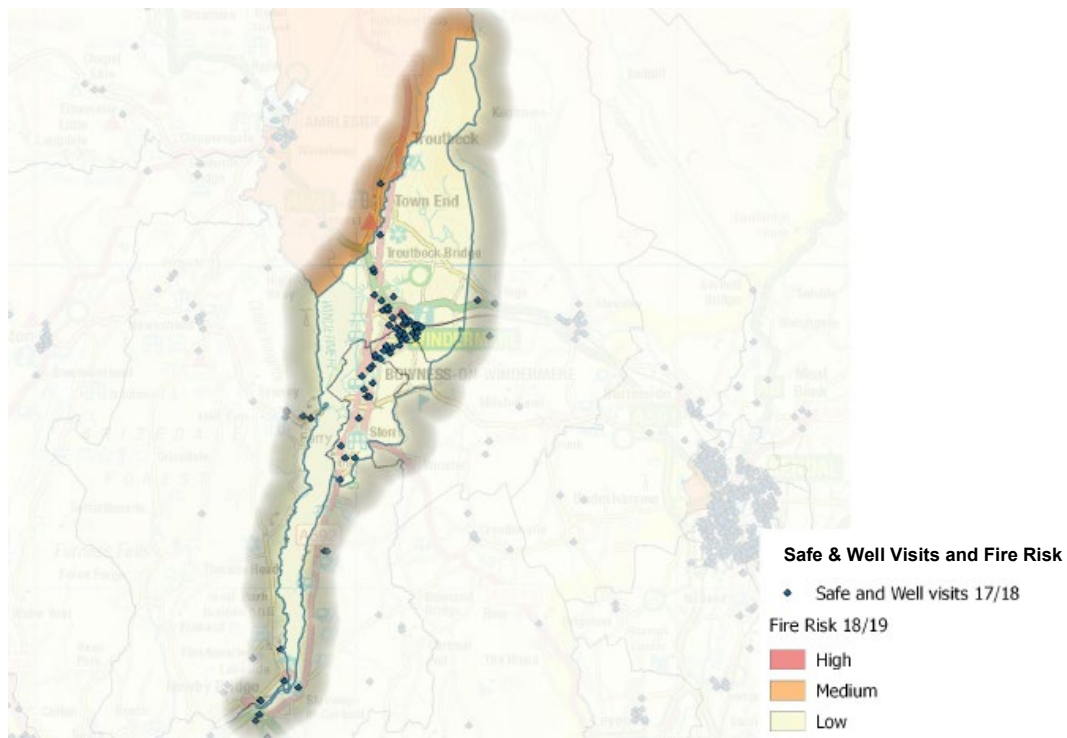
Map 1: 18/19 Primary Fire Risk –Windermere



Prevention and Protection Activity

In April 2017 CFRS implemented their new Safe and Well visits. These are targeted at individual households that are high risk, rather than areas of high risk as previously targeted in the Home Safety Visits. In 2017/18 CFRS conducted 10,432 Safe and Well visits across Cumbria.

Map 2: Safe and Well Visits 17/18 –Windermere



Injury Road Traffic Collision Response Profile

Incident and Risk Profile

The Injury RTC risk modelling shows an increasing rate of risk for Windermere Fire Station area. There are no LSOAs that are high risk in 2018/19. The overall risk score increases from 156 in 2014/15 to 200 in 2018/19 – an increase of 28%

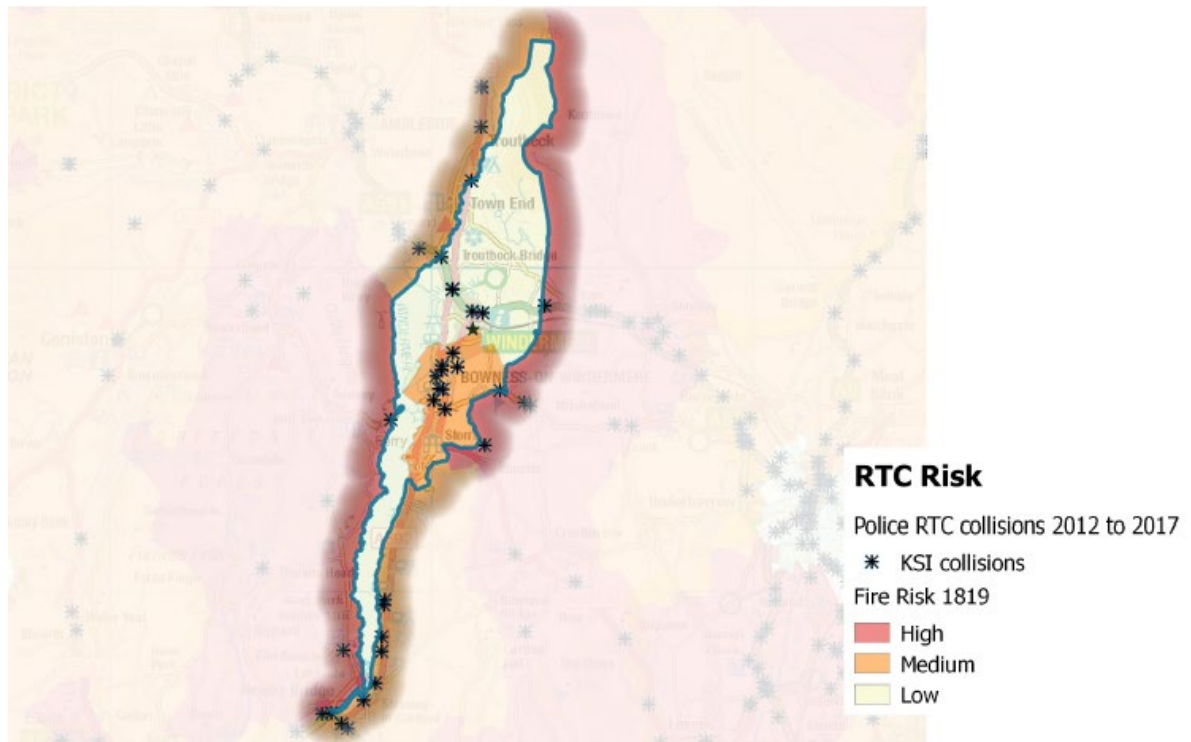
Table 3: 18/19 Injury RTC Risk – Windermere

Windermere Risk Profile		Incidents 2009/10 - 13/14		Incidents 2010/11 - 14/15		Incidents 2011/12 - 15/16		Incidents 2012/13 - 16/17		Incidents 2013/14 - 17/18	
		2014/15 Risk		2015/16 Risk		2016/17 Risk		2017/18 Risk		2018/19 Risk	
Score	Risk Grade	Risk Score	No of LSOA	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs	Risk Score	No of LSOAs
100	High	0	0	0	0	0	0	0	0	0	0
24-100	Med	144	2	64	1	144	2	144	2	144	2
<=24	Low	12	3	60	4	56	3	56	3	56	3
TOTAL		156	5	124	5	200	5	200	321	200	5

Datasources: Cumbria Constabulary RTC Data, FireCore Incident data

The map below shows the risk levels by LSOA for Cumbria, overlaid with Killed/ Seriously Injured (KSI) incidents between 2012 and 2017.

Map 3: 18/19 Injury RTC Risk –Windermere



Prevention and Protection

CFRS provide Road Awareness Training (RAT) Sessions targeted at drivers aged 18 to 25 years, as these are at highest risk of being involved in a collision. We also currently provide RAT sessions targeted at those aged 55 years and older.

In South Lakeland District, 10 RAT sessions were provided throughout 2017/18 to a total of 507 attendees.

Table 4: Number of RAT sessions 2017/18 by District

Road Traffic Awareness Training Sessions completed 2017/18		
District	Number of RATs	Number attended
Allerdale	27	305
Barrow-in-Furness	7	257
Carlisle	24	629
Copeland	11	329
Eden	3	120
South Lakeland	10	507
Cumbria	82	2,147

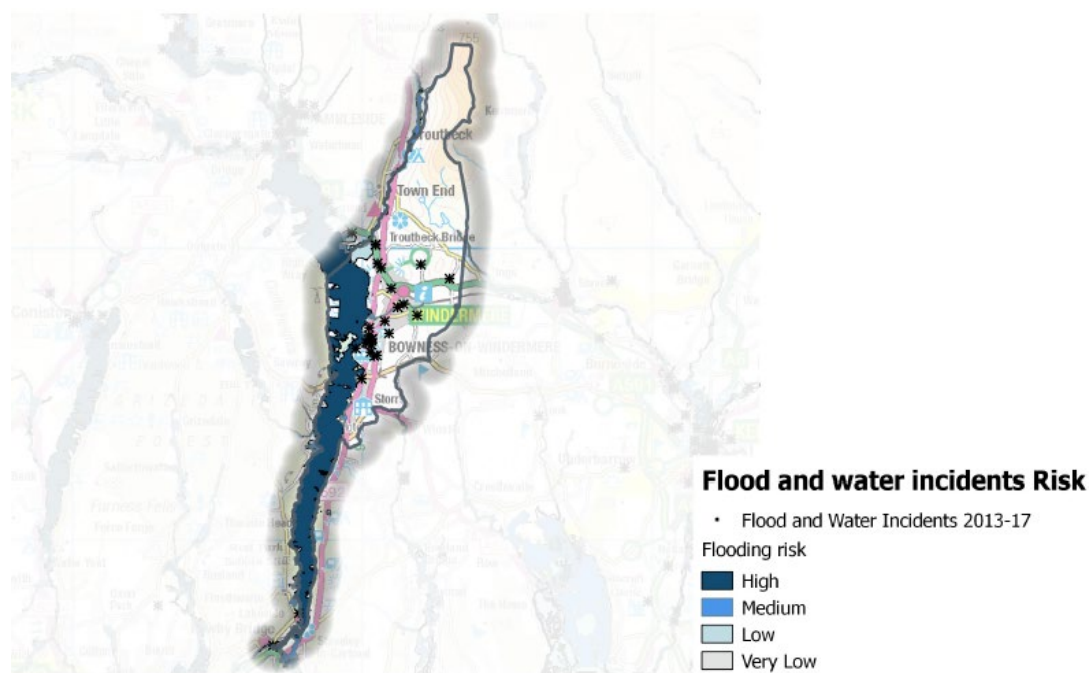
Datasource: CFRMIS

Flooding and Water Rescue - Response Profile

Incident and Risk Profile

Flood Risk is taken from the Environment Agency's Risk of Flooding from Rivers and Seas (Aug 2018). The risk of flooding is categorised into high, medium, low and very low areas. Incidents responded to by CFRS between 2013 and 2017 are overlaid on the risk areas.

Map 4: Risk Map of Flooding based on Rivers and Seas (Aug 2018) - Windermere



Prevention and Protection Activity

The [Environment Agency's Cumbria Flood Action Plan](#) (1 June 2016) details 65 areas of action for implementation across Cumbria, Eden, Derwent and Kent and Leven Catchment areas. These proposed actions fall into five key themes

- Strengthening Defences
- Upstream Management
- Maintenance
- Resilience
- Water Level Management Boards

Full details of the Cumbria 2015 Flood Events are available in the [Flood Impact Assessment](#) Dec 2015.

Other Risk information

Windermere is a large village situated in the heart of the Lake District. As Windermere is a famous holiday destination the resident population increases significantly during summer periods who occupy the many hundreds of hotels and boarding houses within the area significantly increasing the sleeping risk.

Apart from the risks from the hotel and holiday industry, Lakeland Limited, which is an international company, has a large distribution and retail centre within the village which employs hundreds of people and is a multi-million pound operation.

One of the most serious fires that the station attended in recent times involved the unique Round House on Belle Isle in the middle of Lake Windermere. Over the Christmas period of 1994 a fire caused extensive damage to the property and at the height of the blaze 80 personnel were required to deal with the incident. This proved extremely challenging as all these people and equipment had to be ferried over using boats provided by the Lake Wardens in the early hours of the morning of the fire.

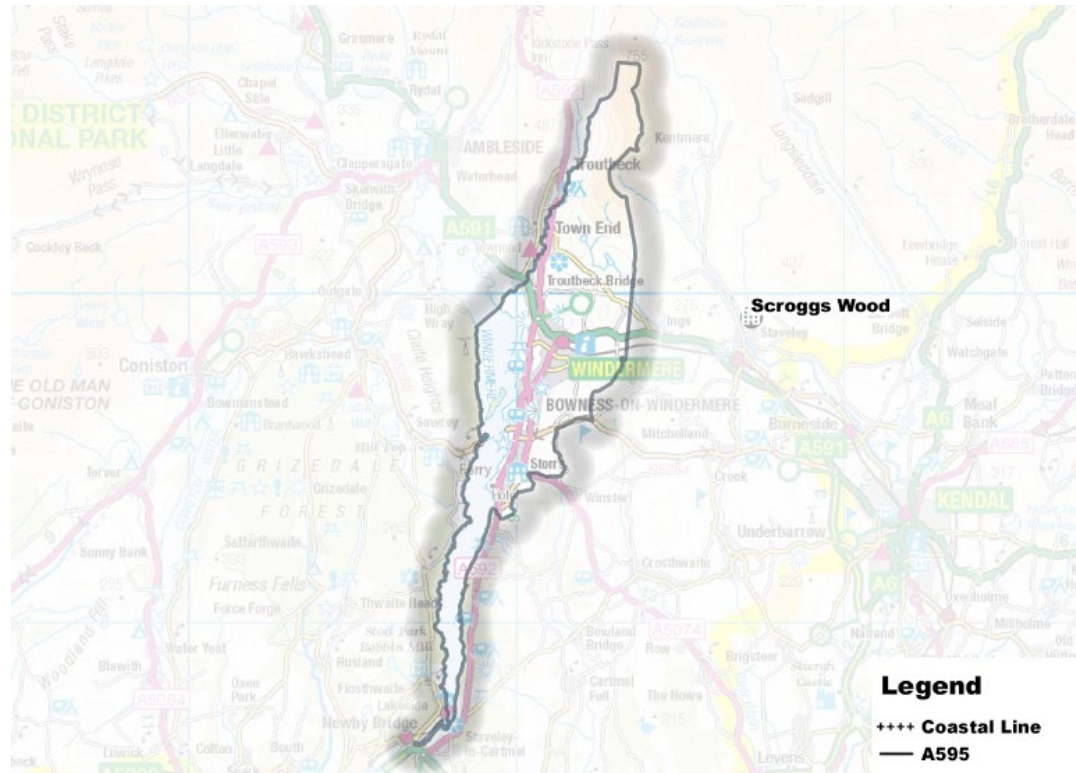
Windermere	Risk in station area
Heritage	<ul style="list-style-type: none"> • Brockhole <p>Grade I listed:</p> <ul style="list-style-type: none"> • Moor Crag, Newby Bridge Road, Cartmel Fell • Broadleys, Newby Bridge Road, Cartmel Fell • Church of St Anthony (Formerly Listed As Chapel of St Anthony), Cartmel Fell • Town End with attached Outbuilding, Troutbeck • Parish Church Of St Martin, Lake Road, Bowness on Windermere • Belle Isle (Also known as Island House and Longholme), Belle Isle, Windermere • Calgarth Hall, Calgarth, Windermere • Blackwell School, Bowness on Windermere <p>Grade II* listed:</p> <ul style="list-style-type: none"> • Entrance Lodge, Broadleys, Newby Bridge Road, Cartmel Fell • Cowmire Hall and Wall running approx 20m To East, with Gate Piers • Wood Farmhouse, Troutbeck • Jesus Church, Troutbeck • Barn at Town End Troutbeck • Monument to John Wilkinson, Lindale • Barrow Wife (Formerly Listed as Meeting House), Height Road, Windermere • Rayrigg Hall, Rayrigg Road, Windermere • Rayrigg Hall Farmhouse, Rayrigg Road, Windermere • Low Miller Ground (Ferry Cottage), Rayrigg Road, Windermere • Far Orrest Old Farm Cottage, Holehird Estate, Troutbeck • Helm Farm House & Cottage with Attached Barn, Helm Road, Bowness on Windermere • Longmire, Troutbeck • Causeway Farmhouse, Windermere

Windermere	Risk in station area
	<ul style="list-style-type: none"> • Near Orrest Farmhouse, Windermere • Storrs Hall, Newby Bridge Road, Bowness on Windermere • Storrs Hall (Garden House), Storrs Temple, Newby Bridge Road, Bowness on Windermere • Hodge Hill Farmhouse with Barn, Cartmel Fell • Rectory (St Martin's), Glebe Road, Bowness on Windermere
Environment	<ul style="list-style-type: none"> • 5 Sites of Specific Scientific Interest
Site Specific Risks	<ul style="list-style-type: none"> • Belle Isle House (Level 4 Tactical plan)
Rurality	<ul style="list-style-type: none"> • According to the DEFRA Urban/Rural classifications the 5 LSOAs that make up Windermere are 'Rural town & fringe in a sparse setting' and 'Rural Village'.

Horizon Scanning

Risk and demand are constantly evolving across the county, and as such necessitate an evolving service to optimise efficiency and effectiveness. In the short to long-term a range of infrastructure and economic projects are anticipated across the county.

Map 5: Future Projects and Developments within Windermere Fire Station Area.



Currently there are no large infrastructure or economic projects planned within the Windermere Fire Station area, however the neighbouring station area of Staveley has:

Station	Project	Investment Impact
Staveley	Scroggs Wood	Ensure employment site is deliverable

Based on these economic and housing projects, South Lakeland district's population is expected to remain relatively stable with projections of growth between 0% and +4% by 2023, which would lead to primary fires staying the same or increasing by 5. This would have no projected impact on fire casualty rates by 2023.