Walney 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

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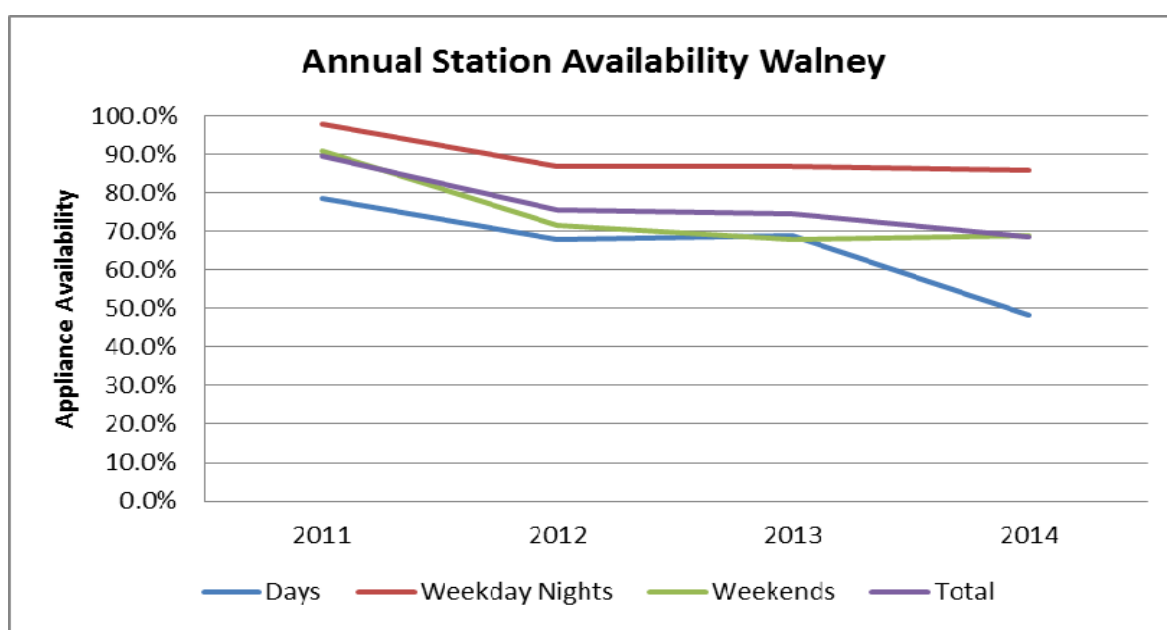
• Current resources
• Appliance availability
• Operational response activity
• Fire risk profile
• Next nearest supporting appliances
• Location specific risks including: heritage risk, environment risk, site specific risks: flooding risks, rurality and resilience risk.

Resources

Walney has a two bay fire station that was built in 1974 and was staffed as a 'day crewed' station until 1991 when it became on call. The station is currently staffed with 10 on call firefighters who crew one fire engine.

On-call Fire Engine Availability 2014

During 2014 the Walney On-call fire engine had been off the run on 2765.5 hours or 31.57% of the time
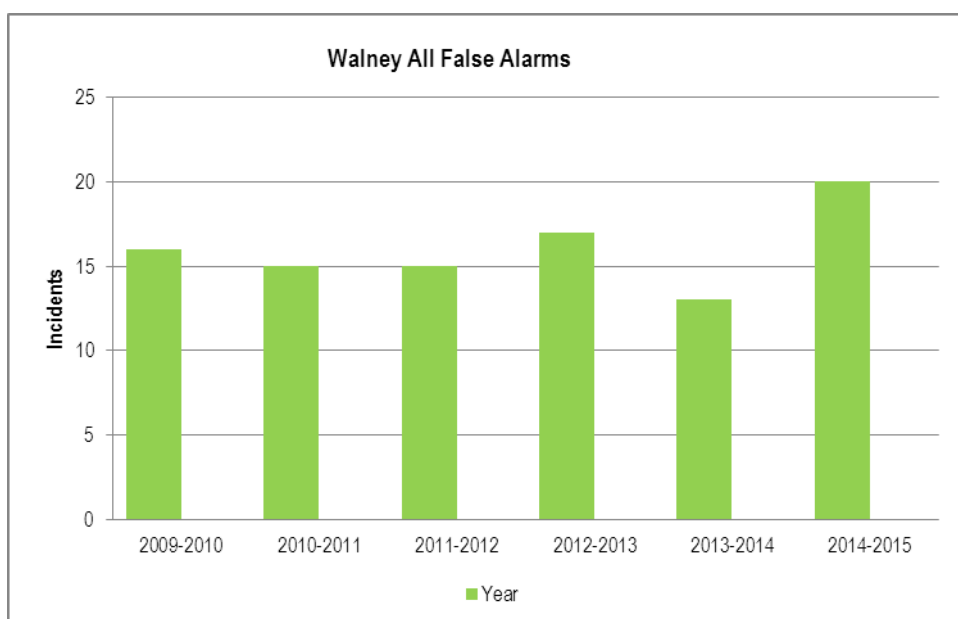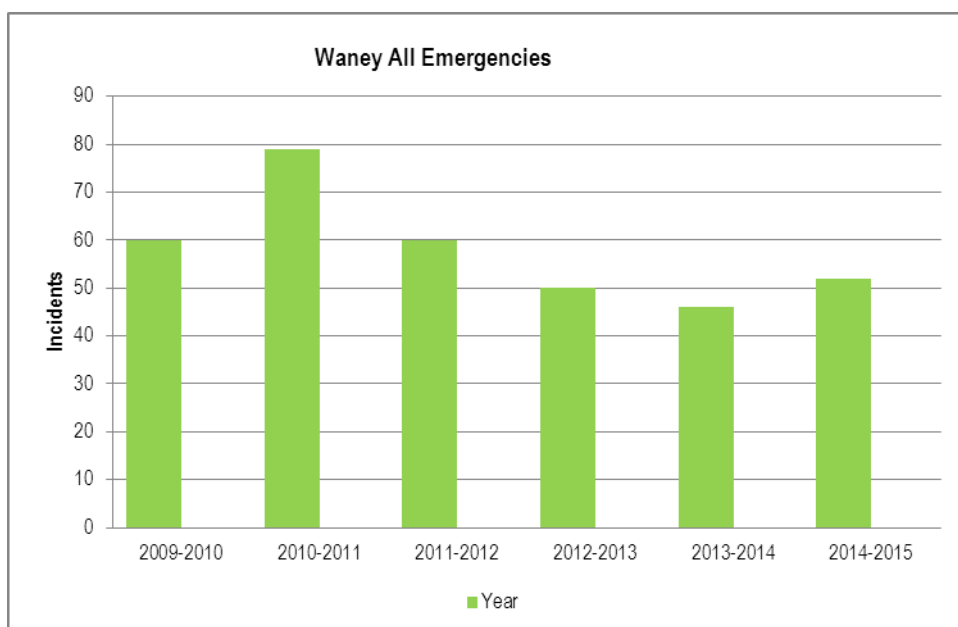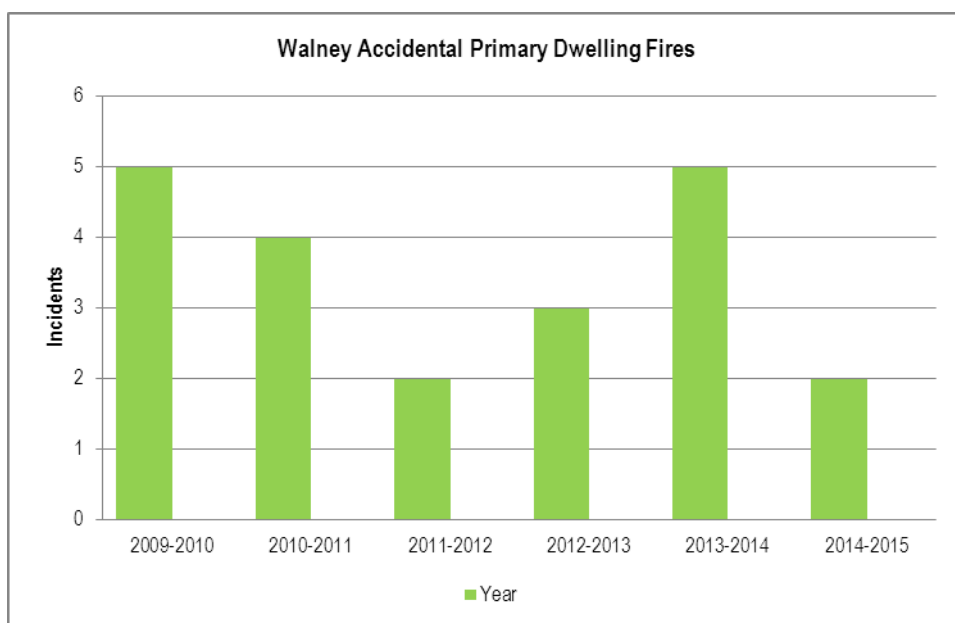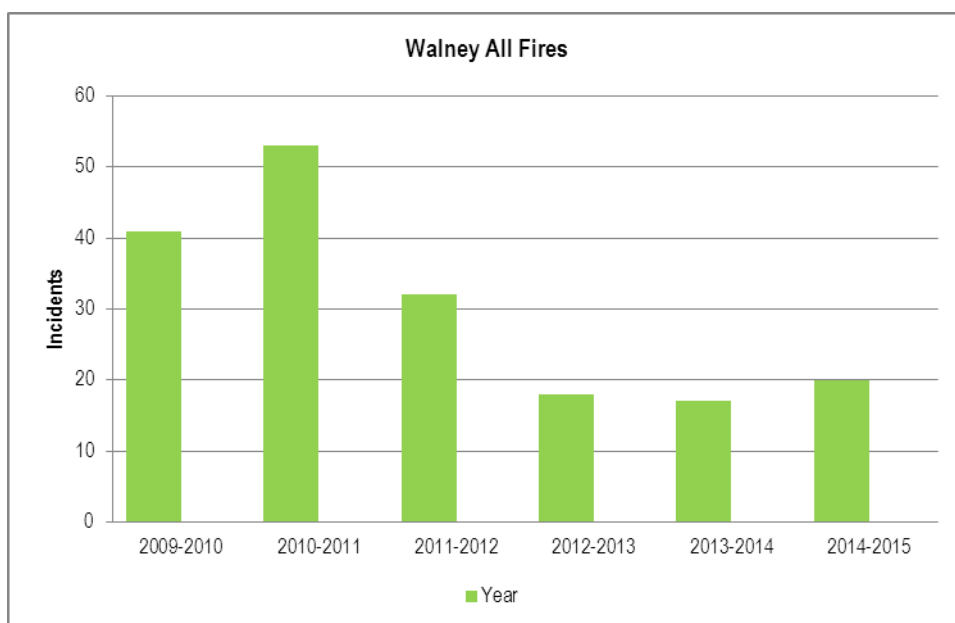
Activity

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

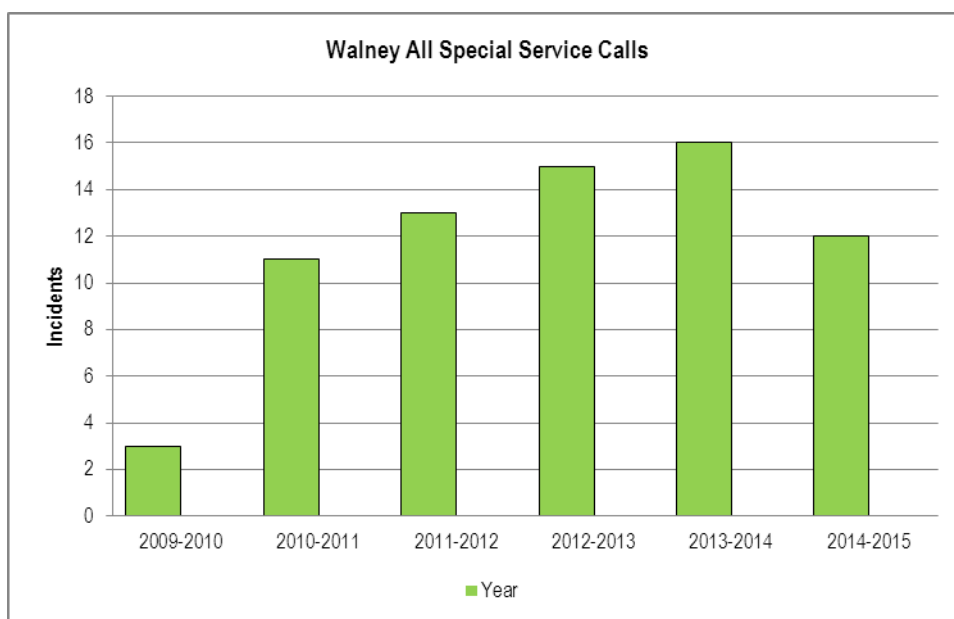| Fire Station	Incident Activity in historical Station Area		Recent Incident Activity in historical Station Area Averaged over 2011-14 period				Fire engines / Crewing System	
	Average Number of Incidents 2003/2004	Average Number of Incidents 2008/2009	Average Number of Incidents	Average No of AFAs	Average No of Road Traffic Collisions	Average No of Property Fires	Number of Fire engines	Crewing System
Walney	169	101	52	6.3	2.0	5.3	1	On Call

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

Activity continued

Walney All Fires

Walney Accidental Primary Dwelling Fires

Activity continued

Walney All Special Service Calls

The Walney 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 C48 Station Pumps

CallSign	Incident_Type	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total
C48P1	FA - Apparatus	26	6	4	6	9	32	83
	FA - Good Intent	1	4	1	3	4	15	28
	FA - Malicious					1	1	2
	Fire - Chimney	3			1		4	8
	Fire - Primary Boat	3	4	1			1	9
	Fire - Primary Dwelling	7	5	9	4	5	25	55
	Fire - Primary NonResidential	4	7	4	3	3	10	31
	Fire - Primary OtherResidential		1	1			2	4
	Fire - Primary OutdoorStructure	2	1	1		1	1	6
	Fire - Primary RoadVehicle	1	1	1				3
	Fire - Secondary	17	17	6	1	2	17	60
	SSC - Other	3	4	3	8	5	10	33
	SSC - RTC				1		1	2
Total		67	50	31	27	30	119	324

Fire Risk Profile

The high level fire risk profile below, for the station, illustrates how the exposure to fire risk over the last eight years has moved.

| Score | Risk Grade | 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 | |
C48 Walney Risk Profile		2008/9 Risk		2009/10 Risk		2010/11 Risk		2011/12 Risk		2012/13 Risk		2013/14 Risk		2014/15 Risk		2015/16 Risk	
		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	222	5	220	4	248	5	204	4	194	4	244	6	148	4	112	3
34 and below	Low	52	2	84	3	54	2	82	3	88	3	28	1	88	3	116	4
		274	7	304	7	302	7	286	7	282	7	272	7	236	7	228	7
Total Risk Score		274		304		302		286		282		272		236		228	
Risk Score Increase/Reduction over the period				10.95%		10.22%		4.38%		2.92%		-0.73%		-13.87%		-16.79%	

Next nearest Supporting Appliances

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

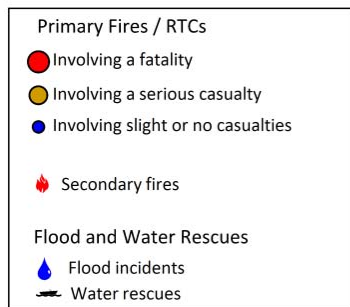| Station Name	Distance by Road (MILES)
Barrow	2
Ulverston	10.5
Broughton	16

Other contextual information

Walney is situated on an island in the Irish Sea off the Cumbrian coast. The island is 11 miles long and 1 mile across at its widest point and is linked to the mainland at Barrow in Furness by Jubilee Bridge that spans Walney Channel. The channel is still navigational and Jubilee Bridge must be raised to allow passage of commercial and pleasure craft.

Over 11,000 people live on Walney Island in 5,000 households making the area mainly residential, although schools and nursing homes are situated there together with an airfield at the north end of the island and a large caravan site at the south.

Walney	Risk in station area
Heritage	**Grade II* listed:** • Walney Lighthouse with two attached cottages and outbuildings.
Environment	1 Site of Specific Scientific Interest
Site Specific Risks	Walney Air field
Flooding	No significant Flood Risk identified within the Station area
Rurality	According to the DEFRA Urban/Rural classifications the 8 Super Out Put areas that make up Walney are all "Urban"

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.

Walney (C48) Diversity Ratio Profiles

Primary Fires / RTCs
- 🔴 Involving a fatality
- 🟠 Involving a serious casualty
- 🔵 Involving slight or no casualties

- 🔥 Secondary fires

Flood and Water Rescues
- 💧 Flood incidents
- 🛶 Water rescues

C48 Walney Score by Diversity Ratio Index
By Lower Super Output Area
- High
- Medium
- Low

RTC Incidents, Casualties & Conditions

Primary Fires, Census Variables & IMD Domains

Flood/Water Incidents & Flood Susceptibility

Small Fire Incidents