

Military Search and Rescue Annual Report 2011



MINISTRY OF DEFENCE

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Coverage

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defence analytical services and advice

Introduction

Military Search and Rescue

The military Search and Rescue (SAR) service exists primarily to assist military personnel in difficulty, although the majority of its work involves assisting civilians in distress, both on land and at sea (data on the split between civilian and military callouts is presented on page 6). SAR coverage for the United Kingdom and a large area of the surrounding sea is provided 24 hours a day and 365 days a year by the RAF and the Royal Navy.

UK Helicopters

The UK military SAR aeronautical coverage currently consists of RAF and Royal Navy SAR Sea King helicopters operating from eight locations around the UK (RAF Boulmer, RAF Lossiemouth, RAF Leconfield, RAF Valley, RAF Chivenor, RAF Wattisham, RNAS Culdrose and HMS Gannet). The military SAR force operates 24 hours a day. It provides coverage throughout the UK, and also covers an area extending from the Faroe Islands in the north, the English Channel in the south, about half way across the North Sea to the east and halfway across the Atlantic Ocean to the west.

The UK SAR helicopter coverage is coordinated by the Aeronautical Rescue Coordination Centre (ARCC) based at RAF Kinloss.

Mountain Rescue Teams

The RAF has four mountain rescue teams (MRT), based at RAF Kinloss, RAF Leuchars, RAF Leeming and RAF Valley. The MRT units provide land rescues, primarily over the mountain regions of the UK. Military MRT units are coordinated by the ARCC, and often work in conjunction with helicopter units.

Overseas Helicopters

A SAR service is also provided by two overseas bases, at RAF Akrotiri in Cyprus and RAF Mount Pleasant in the Falkland Islands.

Further information on the UK's military SAR coverage is available at:

<http://www.raf.mod.uk/rafsearchandrescue/>

<http://www.royalnavy.mod.uk/Operations/Enduring-Operations/UK/Search-and-Rescue>

Other Search and Rescue

In addition to the RAF and Royal Navy, a number of non-military organisations provide SAR coverage throughout the UK. The activities of most of these non-military organisations is outside the scope of this report, however background information on some of the organisations involved is provided below.

Maritime and Coastguard Agency

In addition to the eight military aeronautical SAR units, additional aeronautical SAR coverage is provided by four Maritime and Coastguard Agency (MCA) helicopter units. Although these are not part of the military SAR service, the MCA helicopters are coordinated by the ARCC at RAF Kinloss, to provide integrated coverage across the UK. A summary of callouts for the year is provided in this report.

In addition to its aeronautical coverage, the MCA provides maritime SAR coverage throughout the UK. Details of maritime SAR callouts are not included in this report. Further information is available at:

<http://www.dft.gov.uk/mca/mcga07-home/emergencyresponse/mcga-searchandrescue.htm>

RNLI

The RNLI is a charitable organisation providing 24 hour lifeboat SAR coverage around the coast of the UK and Republic of Ireland, along with a seasonal lifeguard service.

<http://www.rnli.org.uk/>

Mountain Rescue Teams

A number of voluntary Mountain Rescue services operate throughout the UK. These often work in conjunction with the military SAR service. Details of non-military Mountain Rescue callouts are not included in this report. Further information can be found at:

<http://www.mountain.rescue.org.uk/>

<http://www.mrcofs.org/>

Air Ambulance

Air Ambulance services operate throughout the UK, providing emergency medical assistance. Further information is available at:

<http://www.airambulanceassociation.co.uk/>

What is included in this report

This report covers military SAR activities for 2011. It includes details of the activities of UK military SAR helicopters, RAF SAR helicopters operating in Cyprus and the Falkland Islands, and military MRT units. It also provides a summary of MCA helicopter callouts.

The report includes counts of the number of incidents, callouts and persons moved in the previous year. It also includes time series representations of annual callouts and persons moved since 2002.

Incidents are emergencies attended by Royal Navy or Royal Air Force units whose primary task is SAR, plus other military aircraft and ships that are available to the Aeronautical Rescue Co-ordination Centre.

Each SAR unit attending an incident is described as a *callout*. An incident may result in one or more callouts.

Persons moved involves moving people from a hostile environment to a safe environment, or to a medical facility to receive urgent medical attention. It may also involve moving individuals between medical facilities at the request of the NHS.

The data source for this report is a weekly download from the ARCC database. Every incident recorded by the ARCC is included in these tables. Incident data from Cyprus and the Falklands is received by email on an ad hoc basis and may be incomplete. All data is validated and checked by DASA on receipt. Further details are available in DASA's SAR Background Quality Report.

<http://www.dasa.mod.uk/applications/newWeb/www/apps/publications/pubViewFile.php?content=2100&date=2012-01-23&type=pdf&PublishTime=09:30:00>

Key Points

- During 2011 there were a total of 1,921 callouts attended by RAF and Navy Helicopters and Mountain Rescue Teams. This is a 6% decrease from the 2010 figure, and is the lowest number of callouts since 2005.
- The number of persons moved decreased by 5% from 1,647 in 2010 to 1,560 individuals in 2011.
- The unit which attended the most callouts during 2011 was HMS Gannet, with 298 callouts during the year. The unit with the greatest annual increase in the number of callouts was RAF Lossiemouth, which saw an increase in callouts of 18% compared with 2010.
- On average, RAF Lossiemouth moved 1.15 persons per callout. This is a considerably higher figure than any other UK unit. This is partially explained by an incident in February, where 44 people were rescued from a ship in the North Sea.
- RAF Chivenor was the only unit to attend more than 40 callouts in one month (42 in July). Furthermore, Chivenor was the unit which attended an incident at the greatest distance from base, with one incident in September occurring 513 nautical miles from base (nearly 14 times further than the average distance of 37 nautical miles)
- 97% of callouts during 2011 were in or around the UK. The others were in or around Cyprus or the Falkland Islands. There were no fixed wing callouts during 2011, as the Nimrod aircraft were withdrawn from service in March 2010.
- The total MRT man hours during 2011 were 3,403. This is a fall of 69% compared with the peak figure of 10,863 in 2005. Over the same period the number of callouts fell by only 22%. However, the peak number of callouts (102) occurred in 2007, and there has been a 44% reduction in callout numbers between 2007 and 2011.

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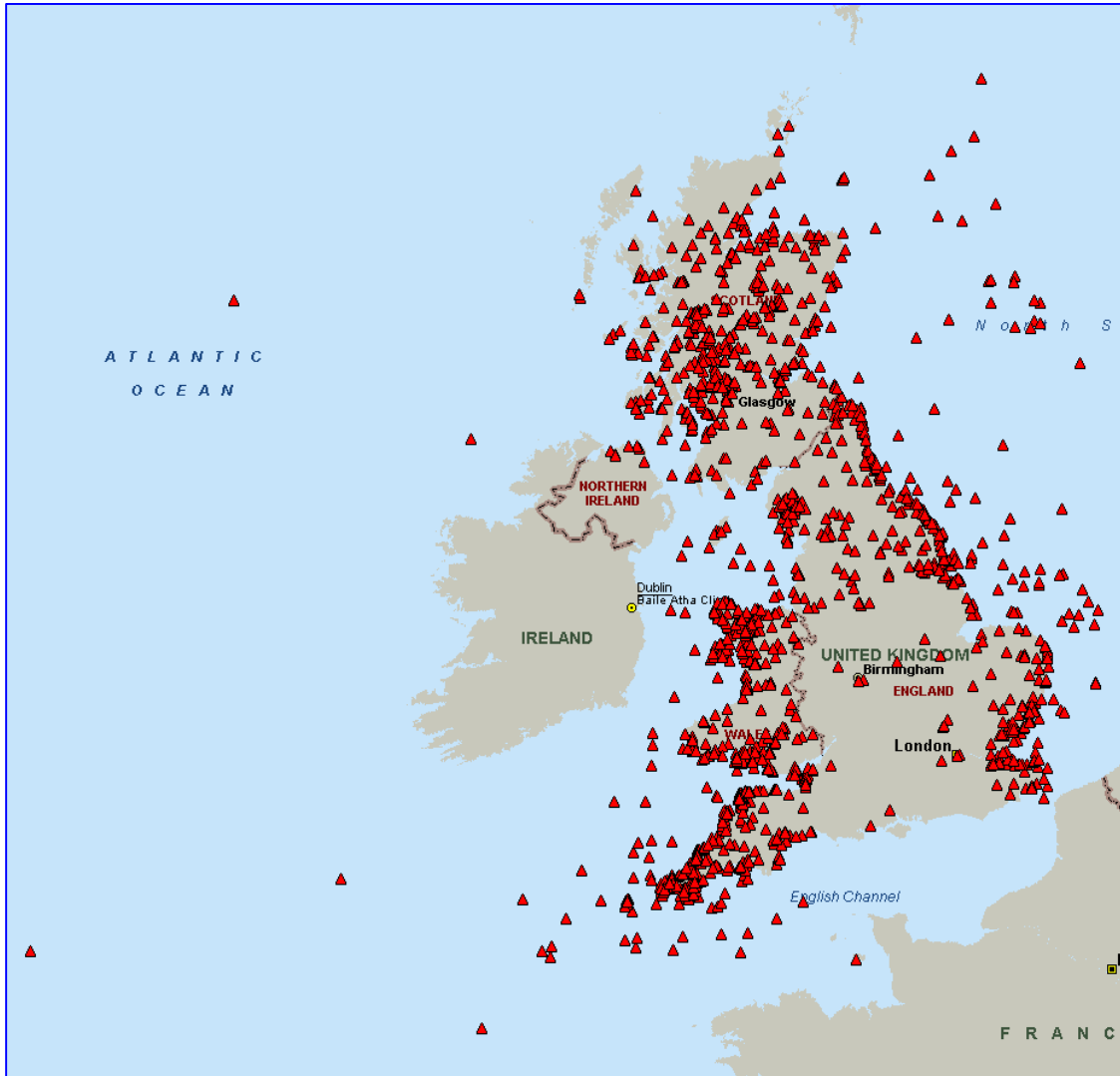
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SECTION 1

SUMMARIES

UK SAR CALLOUTS - 2011

Total Callouts

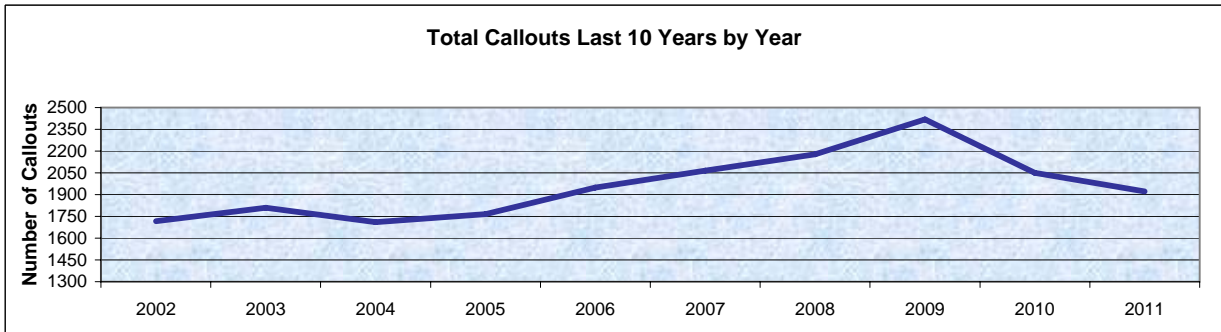


UK & Overseas SAR Summary: 2002 - 2011

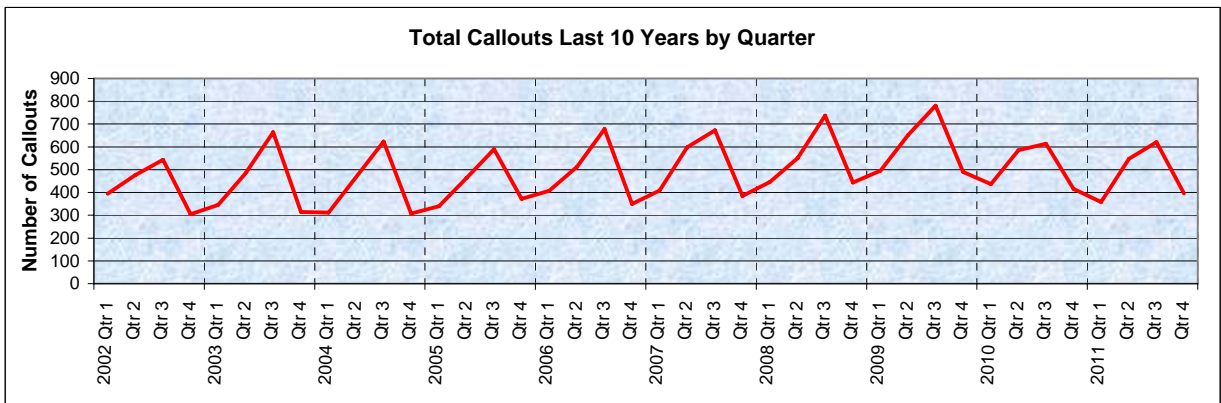
	Total Callouts	UK Helicopters	Overseas Helicopters	Fixed Wing Aircraft	Mountain Rescue	Marine Craft	Persons Moved
2002	1718	1558	34	47	79	0	1251
2003	1809	1597	91	37	80	4	1333
2004	1711	1532	67	39	67	6	1449
2005	1766	1592	63	37	73	1	1431
2006	1948	1756	73	33	86	0	1538
2007	2065	1850	92	21	102	0	1817
2008	2179	1963	96	29	91	0	1763
2009	2418	2237	81	14	86	0	1873
2010	2050	1921	67	3	59	0	1647
2011	1921	1799	65	0	57	0	1560

	Total Callouts	UK Helicopters	Overseas Helicopters	Fixed Wing Aircraft	Mountain Rescue	Marine Craft	Persons Moved
2010							
January	170	161	1	1	7	0	136
February	136	121	10	0	5	0	117
March	131	113	8	2	8	0	100
April	155	153	1	0	1	0	149
May	195	181	6	0	8	0	163
June	235	224	8	0	3	0	153
July	228	222	2	0	4	0	176
August	225	216	6	0	3	0	211
September	160	147	8	0	5	0	114
October	162	150	4	0	8	0	135
November	127	114	9	0	4	0	85
December	126	119	4	0	3	0	108
2011							
January	127	111	9	0	7	0	101
February	109	100	3	0	6	0	123
March	122	111	9	0	2	0	71
April	185	180	3	0	2	0	140
May	172	160	6	0	6	0	130
June	190	183	5	0	2	0	159
July	238	229	3	0	6	0	210
August	230	223	5	0	2	0	168
September	152	142	7	0	3	0	126
October	161	149	6	0	6	0	139
November	123	113	3	0	7	0	85
December	112	98	6	0	8	0	108

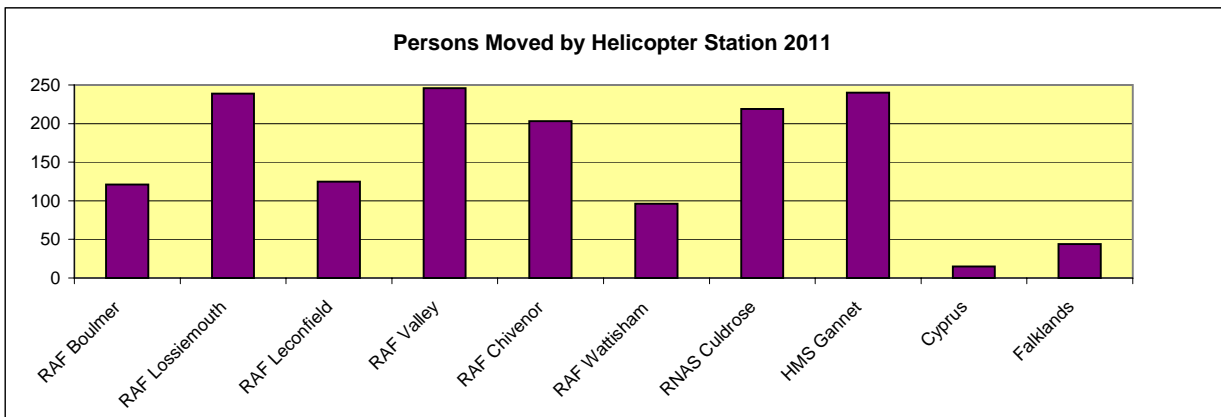
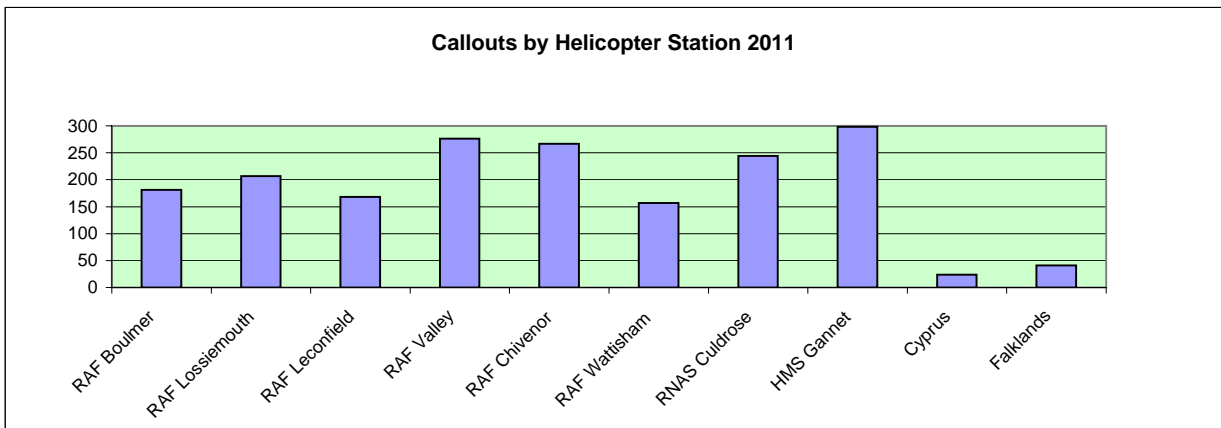
UK & Overseas SAR Summary: 2002 - 2011



The above graph shows that during the early part of the decade the number of annual SAR callouts was fairly constant. Between 2004 and 2009 there was a steady increase in the number of callouts. This trend was halted in 2010, and the number of callouts continued to fall in 2011.



The above graph shows a fairly regular seasonal pattern of SAR activity during the last ten years. The busiest time is usually during the summer months, coinciding with an increase in civilian outdoor recreational activity throughout the UK. The number of callouts are normally at their lowest level during the 1st and 4th quarters of each year. The number of callouts in Q3 of 2011 was higher than in Q3 2010, although every other quarter of 2011 saw a year-on-year decrease.



Helicopter Summary by Unit: 2002 - 2011

CALLOUTS

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
RAF Boulmer	146	194	166	144	206	170	211	214	193	181
RAF Lossiemouth	216	201	190	200	217	188	275	236	175	207
RAF Leconfield	155	150	136	135	147	222	232	204	174	168
RAF Valley	214	238	230	218	225	234	222	322	268	276
RAF Chivenor	239	221	216	281	293	256	262	340	339	267
RAF Wattisham	138	164	137	131	163	183	174	162	133	157
RNAS Culdrose	209	181	203	211	228	231	204	311	260	244
HMS Gannet	226	243	250	267	269	359	382	447	379	298
Cyprus	15	54	46	39	35	53	30	36	29	24
Falklands	19	37	21	24	38	39	66	45	38	41
UK Closed Stations	6	0	0	0	0	0	0	0	0	0
UK Other Helicopters	9	5	4	5	8	7	1	1	0	1
Total	1592	1688	1599	1655	1829	1942	2059	2318	1988	1864

PERSONS

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
RAF Boulmer	104	134	134	136	132	136	185	149	169	121
RAF Lossiemouth	179	184	199	181	180	160	199	171	156	239
RAF Leconfield	192	95	114	94	125	315	163	132	120	125
RAF Valley	193	206	196	195	202	236	217	296	263	246
RAF Chivenor	163	199	248	216	213	224	211	304	256	203
RAF Wattisham	63	100	75	83	110	122	87	82	83	96
RNAS Culdrose	176	133	205	154	176	220	169	278	215	219
HMS Gannet	138	187	211	226	303	286	347	378	324	240
Cyprus	6	13	9	17	5	11	5	9	5	15
Falklands	21	43	26	30	70	39	151	54	37	44
UK Closed Stations	3	0	0	0	0	0	0	0	0	0
UK Other Helicopters	3	4	12	2	6	27	0	1	0	0
Total	1241	1298	1429	1334	1522	1776	1734	1854	1628	1548

'UK Closed':
RAF Aldergrove

'UK Others': RAF Others, RN Others, Army helicopters,
Other Helicopters, Contractorised



Summary of UK SAR Helicopter Callouts: 2002 - 2011

Annual Totals - Callouts

YEAR	Total Callouts	Rescue	Search-Rescue	Medrescue	Search-Medrescue	Medtransfer	Recovery	Search-Recovery	Transfer	Civ Aid	Search	Top Cover	Assist	Search-Assist	Recall	Not Req	False Alarm	Hoax	Precaution	Aborted	Search-Aborted
2002	1558	109	0	581	0	198	19	0	5	4	262	28	39	0	165	97	15	2	20	14	0
2003	1597	113	0	662	0	174	24	0	14	1	232	34	30	0	172	92	16	6	4	23	0
2004	1532	117	0	588	0	185	26	0	15	3	242	35	41	0	178	58	15	8	9	12	0
2005	1592	114	0	661	0	141	30	0	22	5	244	38	25	0	181	97	10	6	4	14	0
2006	1756	99	0	733	0	175	32	0	23	0	283	26	32	0	221	82	9	10	7	24	0
2007	1850	105	30	679	38	197	15	2	15	7	277	34	22	36	210	111	25	12	5	25	5
2008	1963	98	33	717	55	208	27	8	10	3	285	14	25	53	274	79	30	14	1	21	8
2009	2237	95	75	885	58	213	18	15	14	1	285	28	34	46	280	103	35	11	2	32	7
2010	1921	104	40	813	60	202	13	6	9	2	185	21	31	18	241	87	29	15	9	33	3
2011	1799	85	30	816	52	173	13	7	8	0	192	24	19	27	222	94	10	7	6	9	5

Annual Totals - Persons

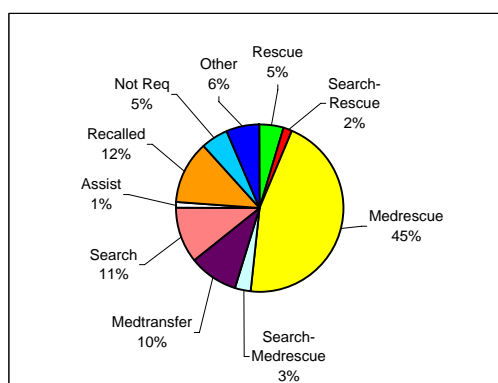
YEAR	Total Persons	Rescue	Search-Rescue	Medrescue	Search-Medrescue	Medtransfer	Recovery	Search-Recovery	Transfer
2002	1214	337	0	652	0	201	19	0	5
2003	1242	259	0	770	0	174	24	0	15
2004	1394	485	0	667	0	194	30	0	18
2005	1287	321	0	769	0	143	30	0	24
2006	1447	376	0	827	0	175	38	0	31
2007	1726	574	56	807	56	198	16	2	17
2008	1578	367	70	793	65	219	27	8	29
2009	1791	285	155	987	69	224	21	17	33
2010	1586	289	82	890	67	219	15	6	18
2011	1489	293	55	872	58	181	13	7	10

Annual Callouts by Location

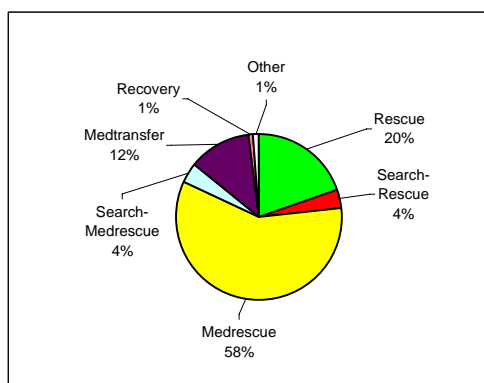
YEAR	Total Callouts	Land	Coast	Cliff*	Maritime
2002	1558	743	469	46	300
2003	1597	766	586	0	245
2004	1532	739	523	0	270
2005	1592	751	611	0	230
2006	1756	887	618	0	251
2007	1850	947	609	0	294
2008	1963	1211	450	0	302
2009	2237	1495	535	0	207
2010	1921	1290	466	0	165
2011	1799	1162	460	0	177

* From 1 January 2003 the use of 'Cliff' was discontinued and included in 'Coast'.

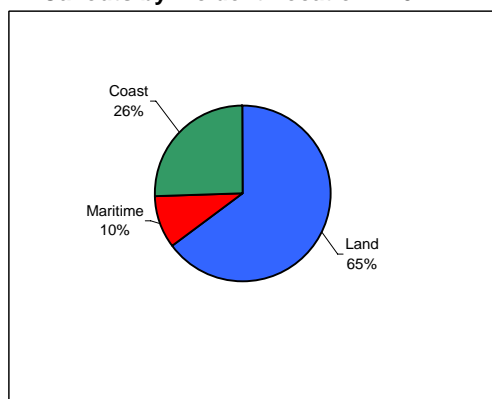
Callouts By Type of Assistance - 2011



Persons By Type of Assistance - 2011



Callouts by Incident Location - 2011



UK helicopters accounted for 94% of total callouts during 2011 - a similar proportion to last year. 'Medrescue' callouts continue to form the largest share - 45% in 2011, an increase from 41% last year.

The number of callouts and persons moved during 2011 both decreased from the 2010 levels. There was a 6% fall in both the number of callouts and the number of persons moved. Prior to 2010 there had been five consecutive years of increasing callout number.

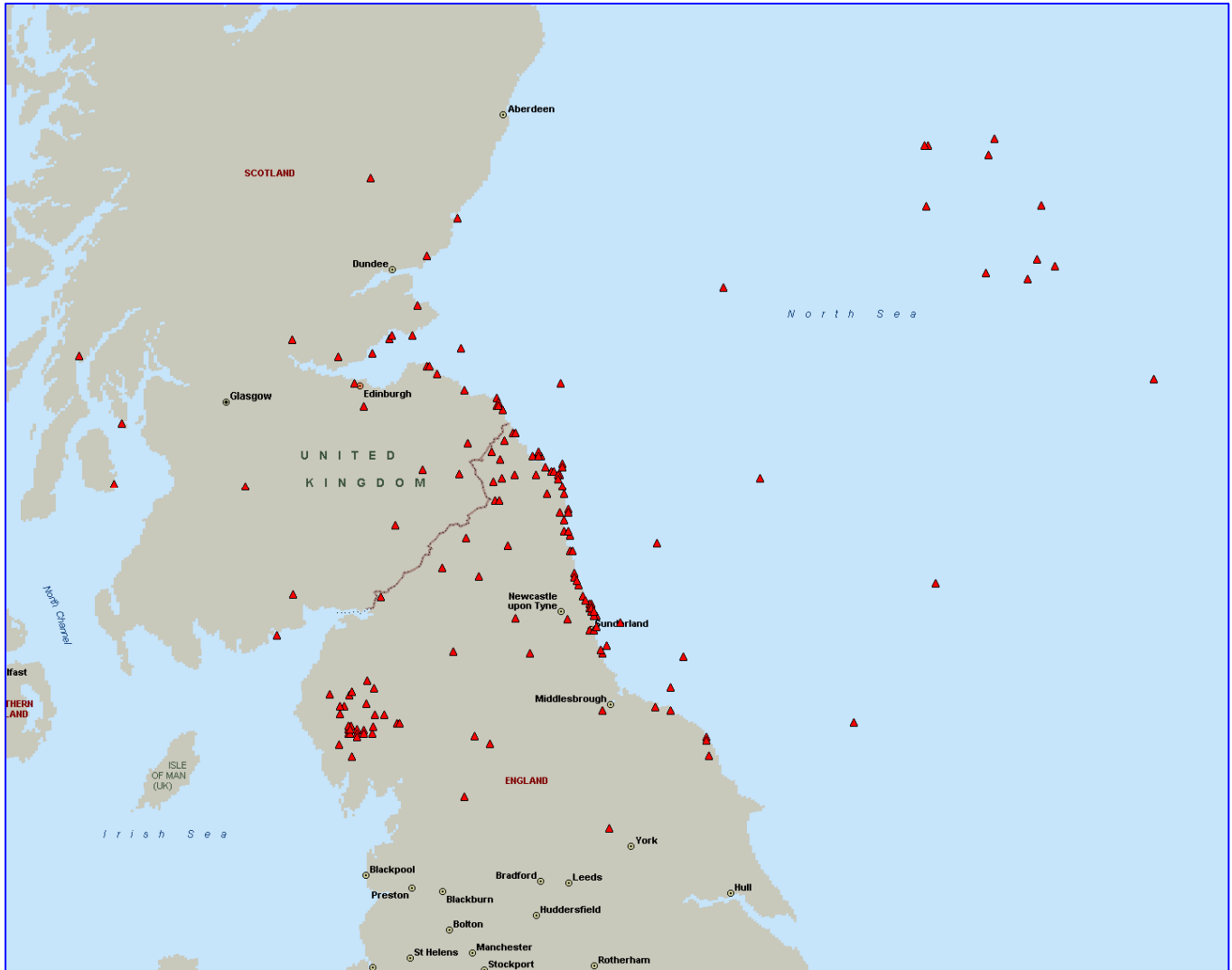
65% of all UK helicopter callouts were Land based in 2011, a decrease from 67% in 2010.

SECTION 2

UK HELICOPTERS

UK SAR HELICOPTER CALLOUTS - 2011

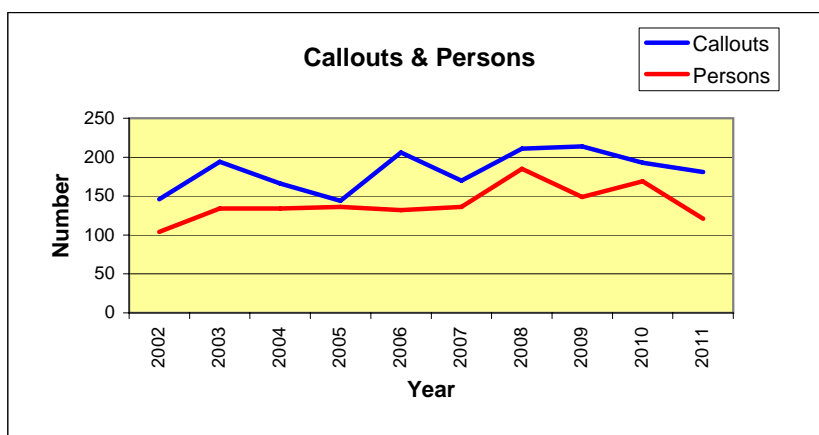
RAF Boulmer



RAF Boulmer - Helicopters

Annual Totals

	Callouts	Persons
2002	146	104
2003	194	134
2004	166	134
2005	144	136
2006	206	132
2007	170	136
2008	211	185
2009	214	149
2010	193	169
2011	181	121



Monthly Totals

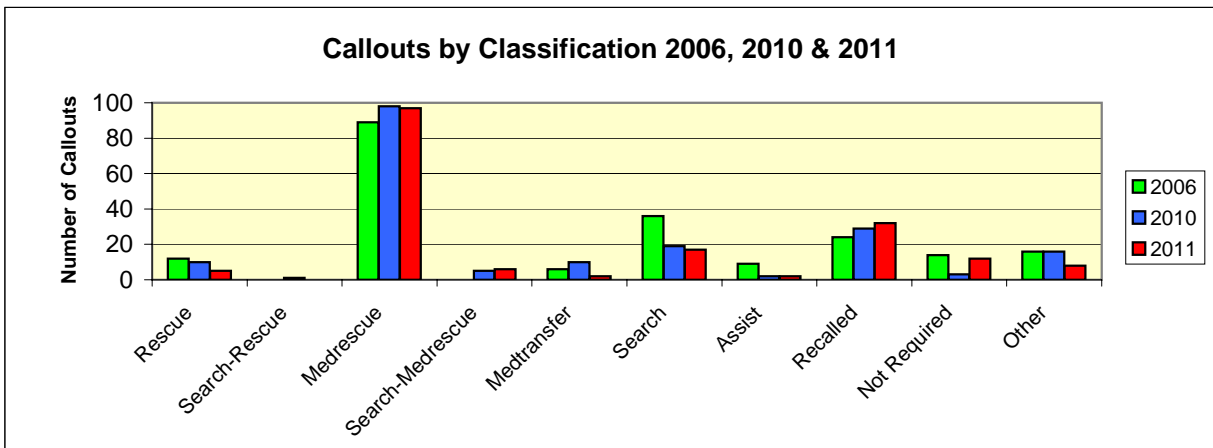
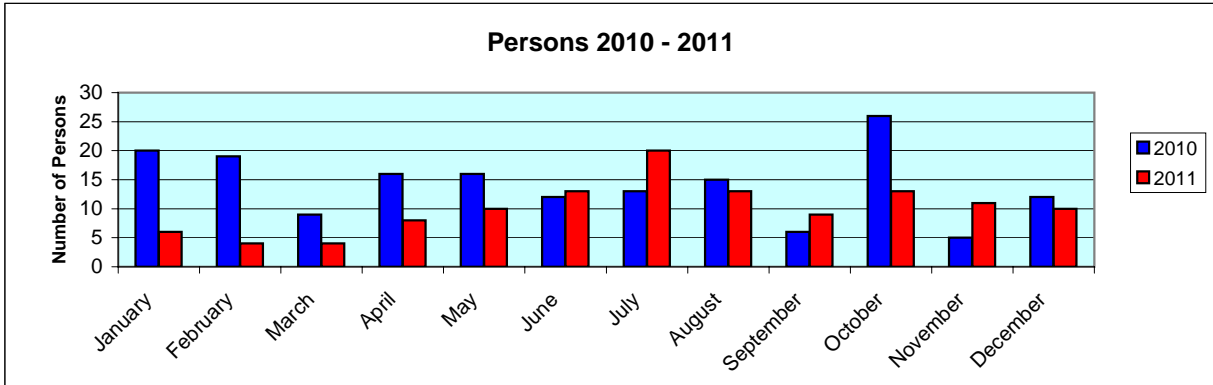
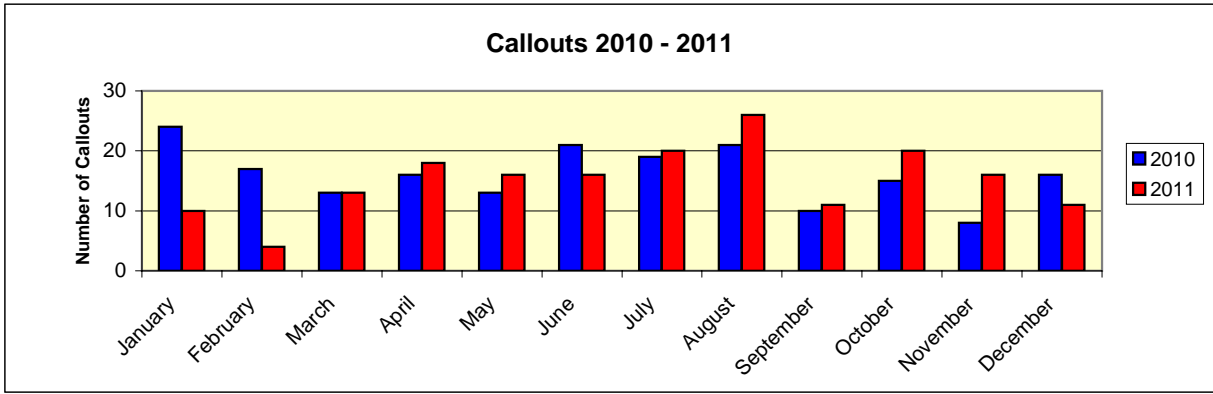
		Callouts	Persons
2011	January	10	6
	February	4	4
	March	13	4
	April	18	8
	May	16	10
	June	16	13
	July	20	20
	August	26	13
	September	11	9
	October	20	13
	November	16	11
	December	11	10
Total:		181	121

	Average Flying hours*		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
January	1.51	1.29	55	48
February	2.04	2.06	54	85
March	1.38	1.55	56	66
April	1.46	1.28	57	47
May	2.14	1.59	64	56
June	1.35	1.30	56	58
July	1.22	1.38	49	44
August	2.04	0.58	44	39
September	1.46	1.42	46	36
October	1.55	1.25	64	46
November	1.54	2.19	68	57
December	1.46	2.21	45	75
Annual Average:	1.50	1.39	54	51

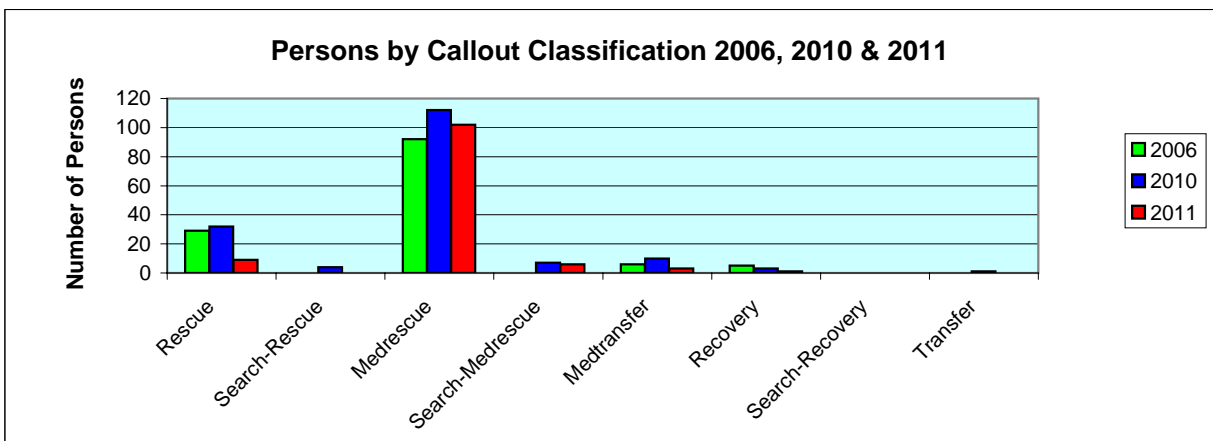
* 'Average Flying Hours' are expressed in Hours and Minutes.
 (Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).



RAF Boulmer - Helicopters

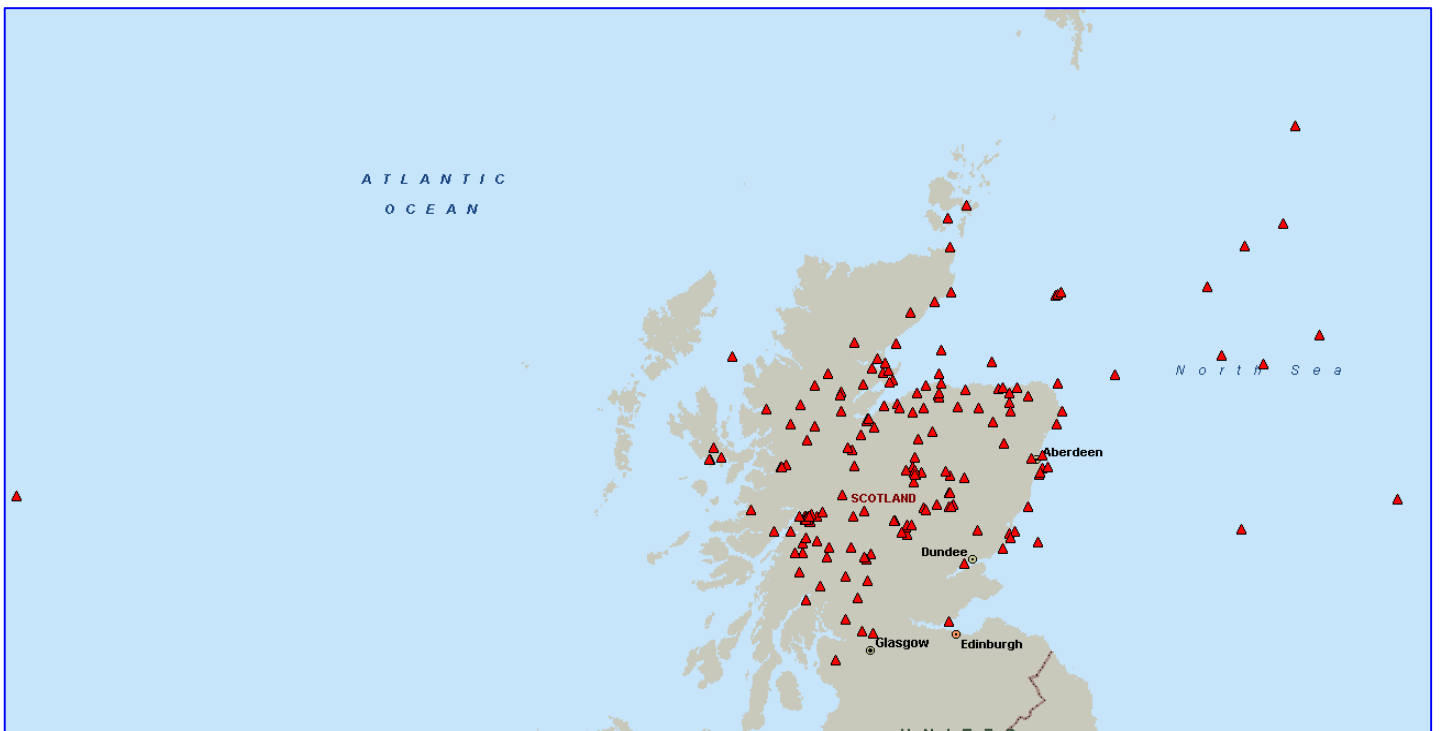


'Other' includes: Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax Precaution, Aborted & Search-Aborted.



UK SAR HELICOPTER CALLOUTS - 2011

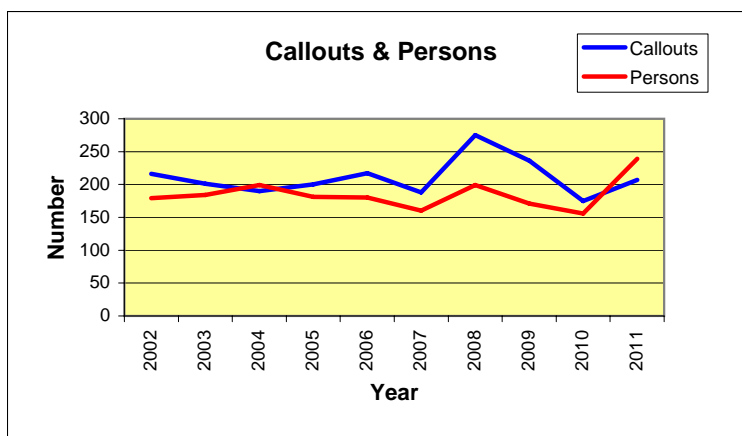
RAF Lossiemouth



RAF Lossiemouth - Helicopters

Annual Totals

	Callouts	Persons
2002	216	179
2003	201	184
2004	190	199
2005	200	181
2006	217	180
2007	188	160
2008	275	199
2009	236	171
2010	175	156
2011	207	239



Monthly Totals

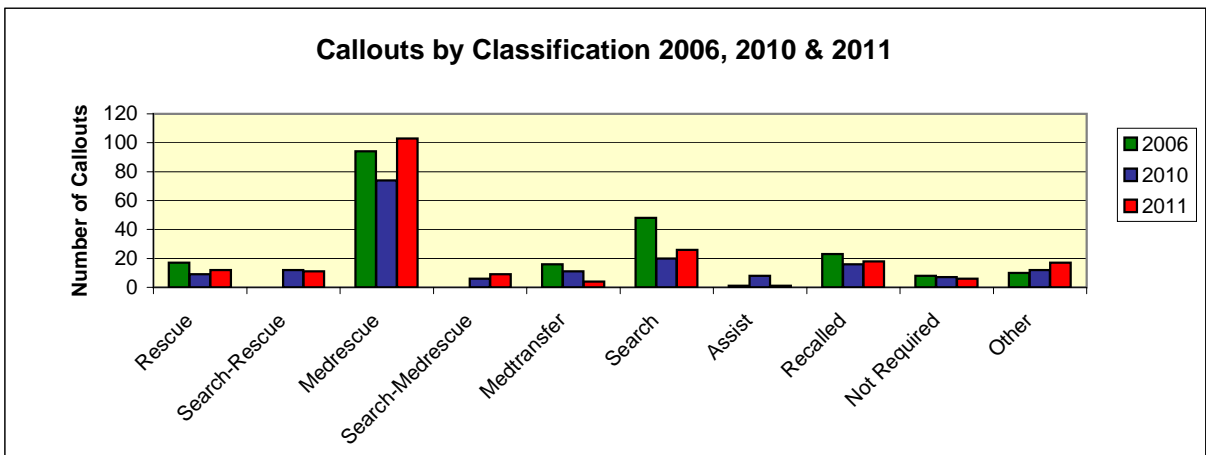
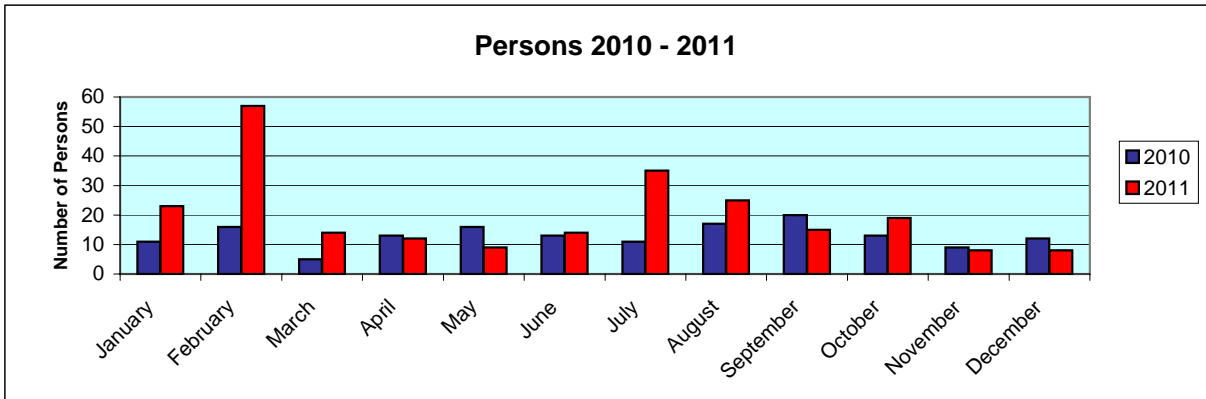
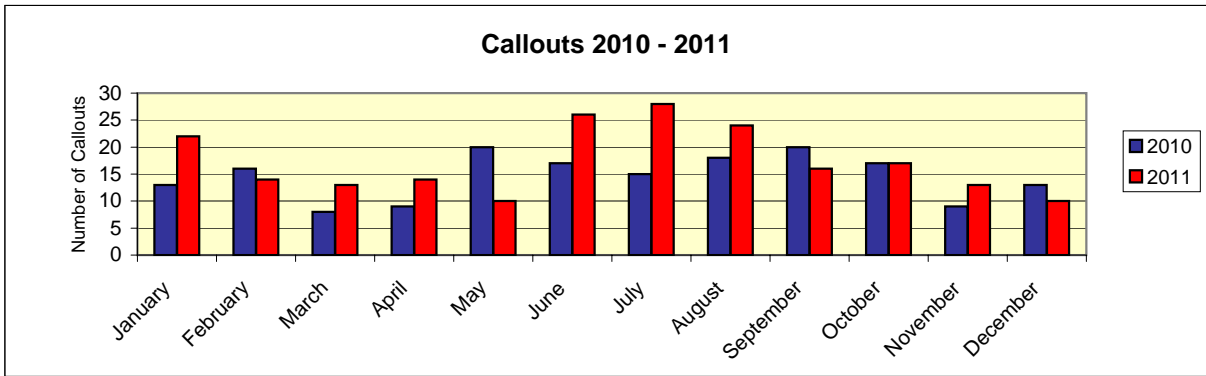
		Callouts	Persons
2011	January	22	23
	February	14	57
	March	13	14
	April	14	12
	May	10	9
	June	26	14
	July	28	35
	August	24	25
	September	16	15
	October	17	19
	November	13	8
	December	10	8
Total:		207	239

	Average Flying hours*		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
January	2.48	2.16	55	58
February	1.41	2.05	47	59
March	1.50	3.04	52	78
April	3.07	1.46	66	65
May	1.34	2.07	54	65
June	1.52	1.56	56	56
July	1.47	1.54	68	63
August	2.06	2.14	59	57
September	2.34	2.03	55	55
October	2.10	2.44	57	72
November	1.56	1.46	48	37
December	2.05	2.10	71	60
Annual Average:	2.06	2.09	57	60

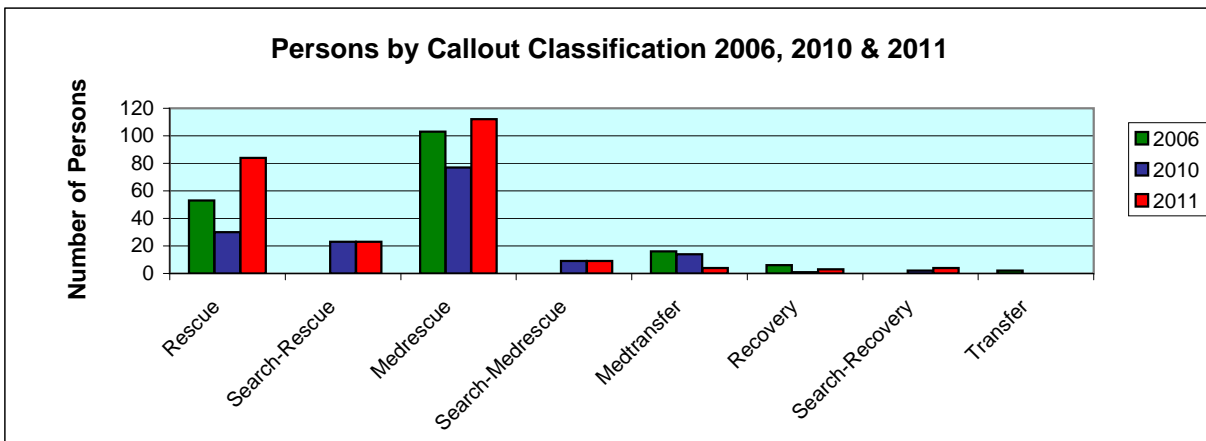
* 'Average Flying Hours' are expressed in Hours and Minutes.
 (Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).



RAF Lossiemouth - Helicopters

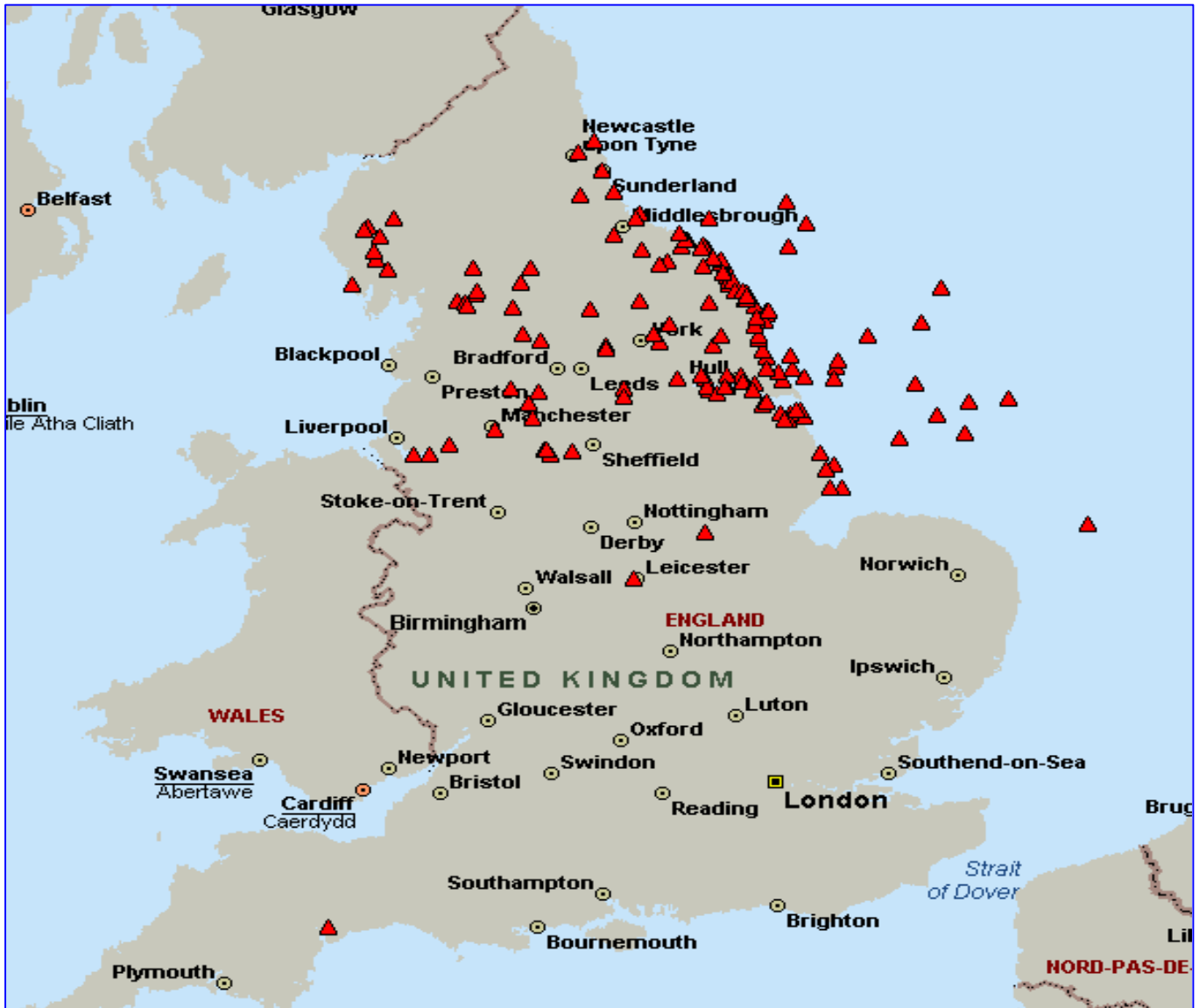


'Other' includes: Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax Precaution, Aborted & Search-Aborted.



UK SAR HELICOPTER CALLOUTS - 2011

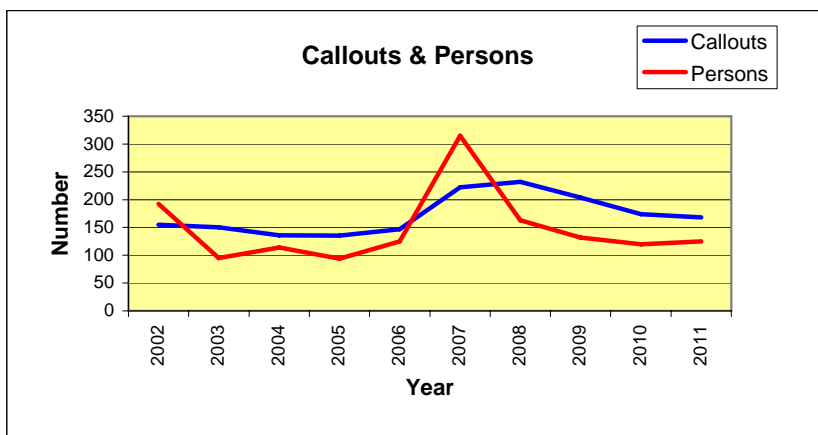
RAF Leconfield



RAF Leconfield - Helicopters

Annual Totals

	Callouts	Persons
2002	155	192
2003	150	95
2004	136	114
2005	135	94
2006	147	125
2007	222	315
2008	232	163
2009	204	132
2010	174	120
2011	168	125



Monthly Totals

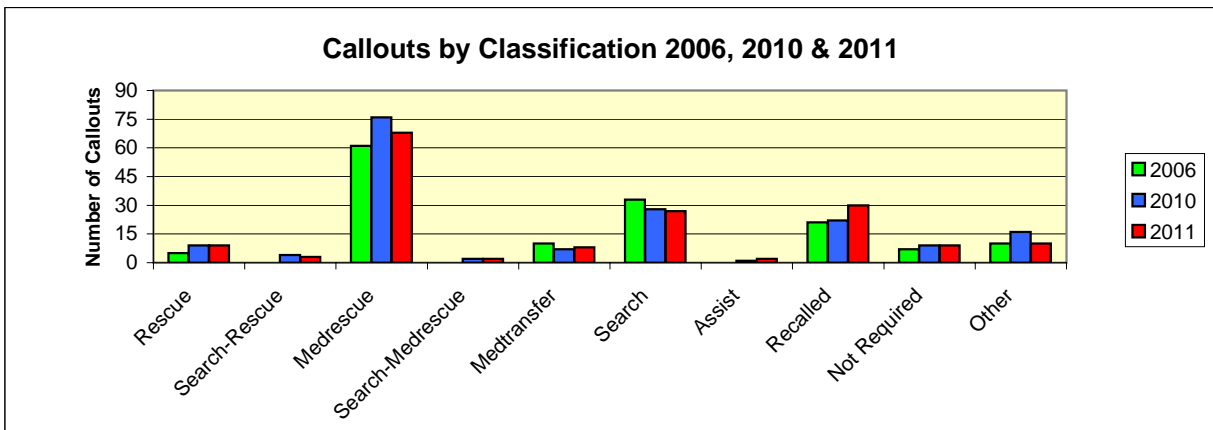
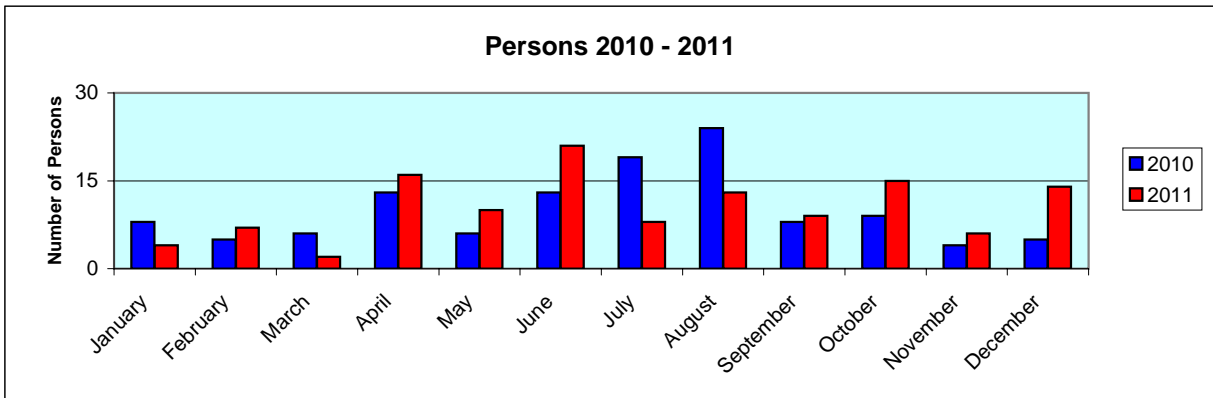
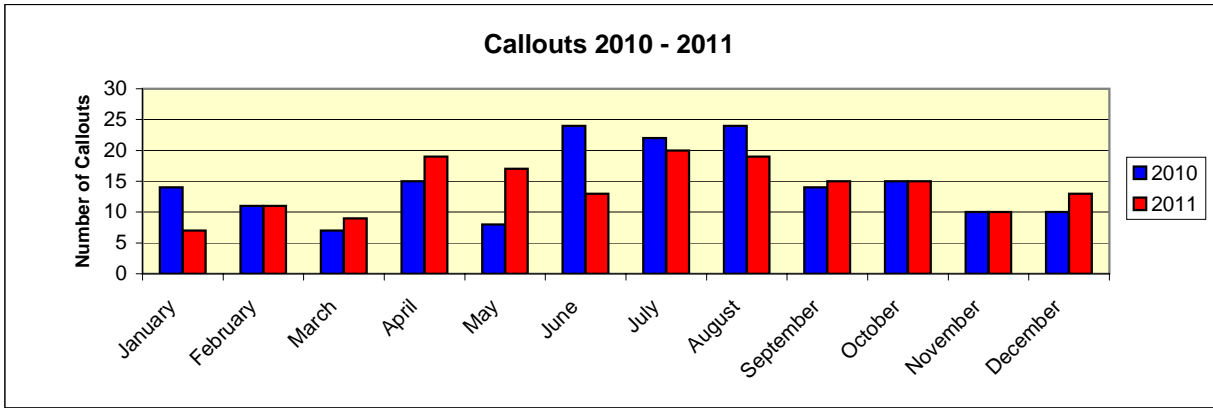
		Callouts	Persons
2011	January	7	4
	February	11	7
	March	9	2
	April	19	16
	May	17	10
	June	13	21
	July	20	8
	August	19	13
	September	15	9
	October	15	15
	November	10	6
	December	13	14
Total:		168	125

	Average Flying hours*		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
2010	1.57	1.14	55	36
2011	1.10	1.26	41	25
2012	1.10	1.17	31	51
2013	1.52	1.06	65	29
2014	1.07	0.59	37	43
2015	1.43	1.09	37	36
2016	1.31	1.31	39	36
2017	1.07	1.18	30	48
2018	1.28	0.58	43	41
2019	1.33	1.06	58	50
2020	2.12	1.52	43	64
2021	1.50	1.29	56	63
Annual Average:	1.33	1.16	44	43

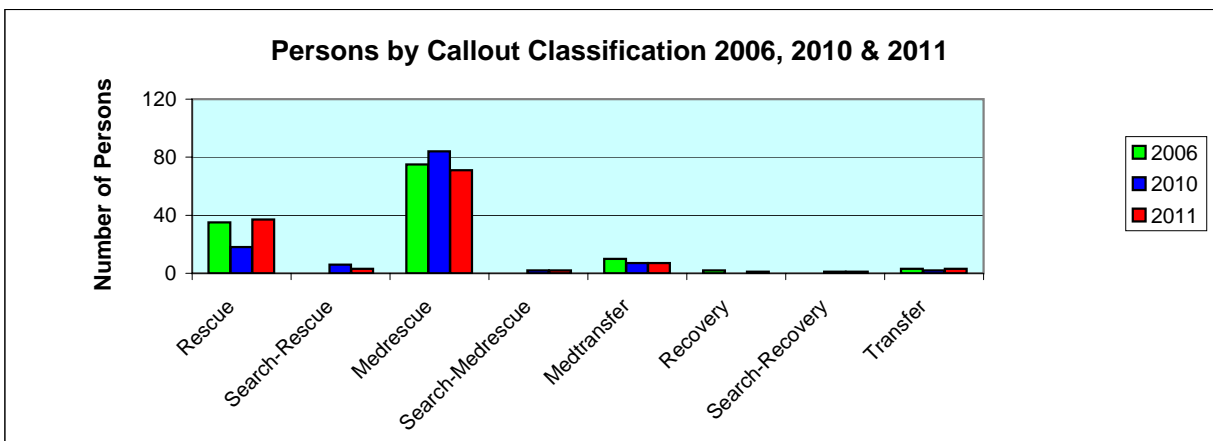
* 'Average Flying Hours ' are expressed in Hours and Minutes.
(Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).



RAF Leconfield - Helicopters

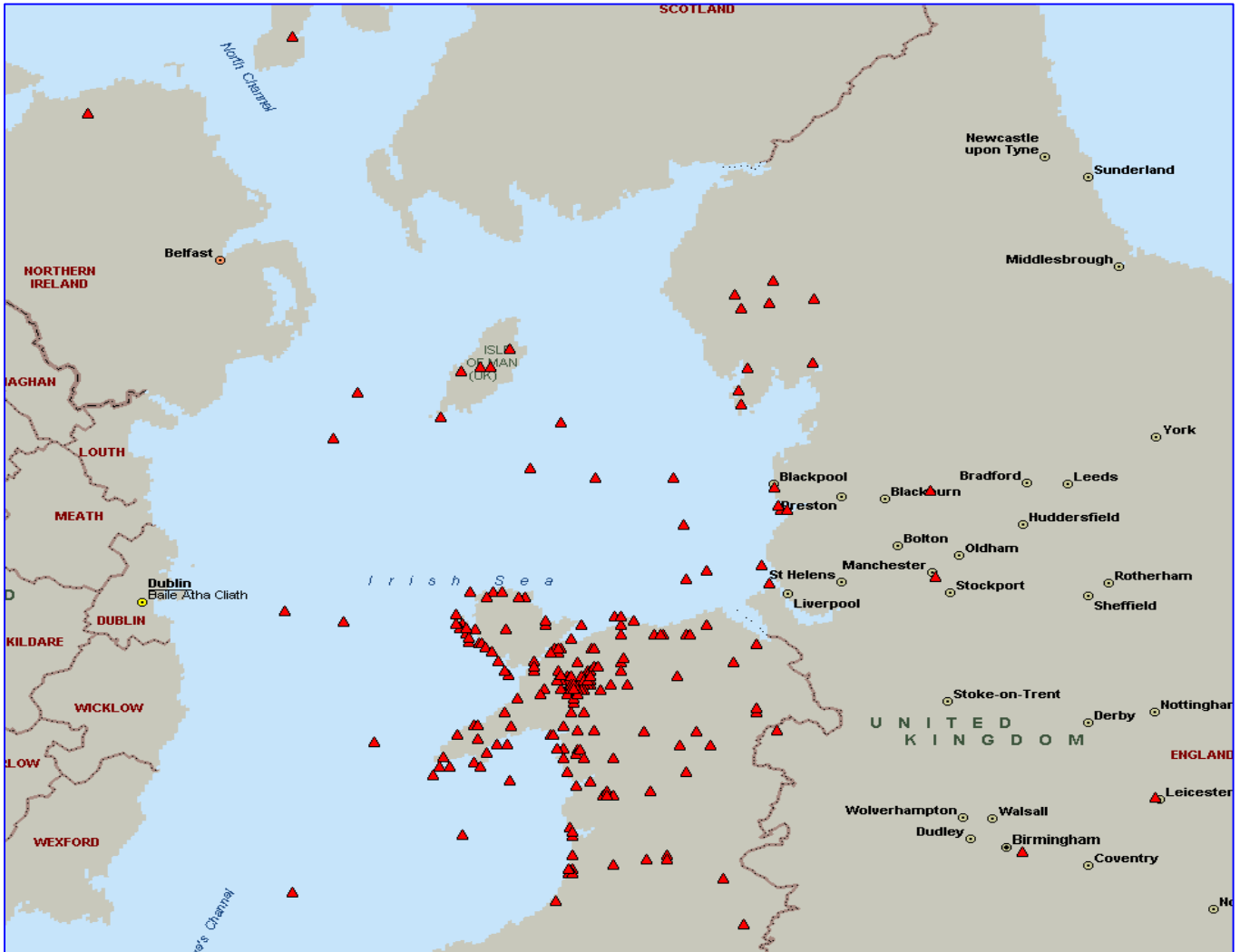


'Other' includes: Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax Precaution, Aborted & Search-Aborted.



UK SAR HELICOPTER CALLOUTS - 2011

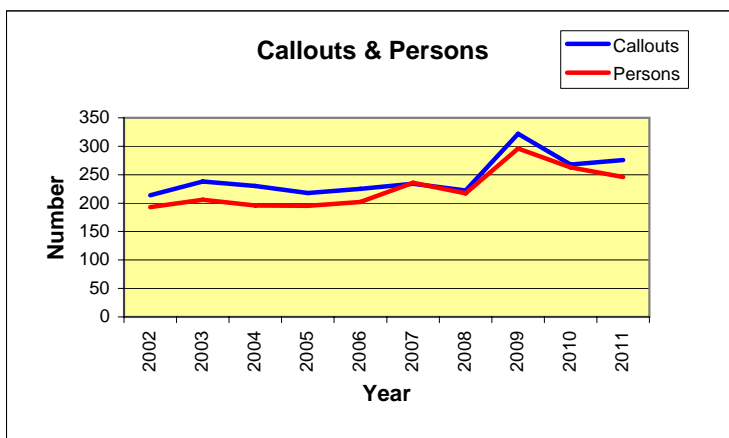
RAF Valley



RAF Valley - Helicopters

Annual Totals

	Callouts	Persons
2002	214	193
2003	238	206
2004	230	196
2005	218	195
2006	225	202
2007	234	236
2008	222	217
2009	322	296
2010	268	263
2011	276	246



Monthly Totals

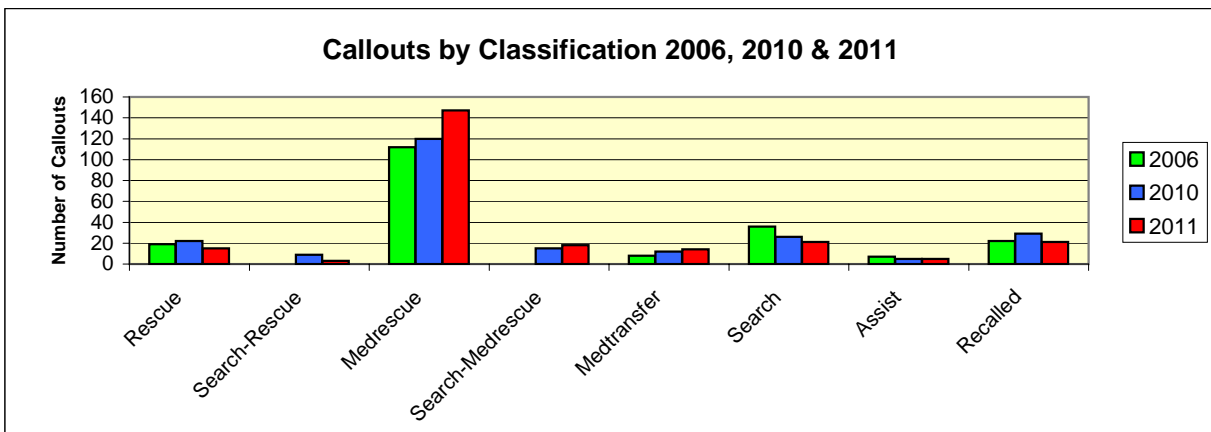
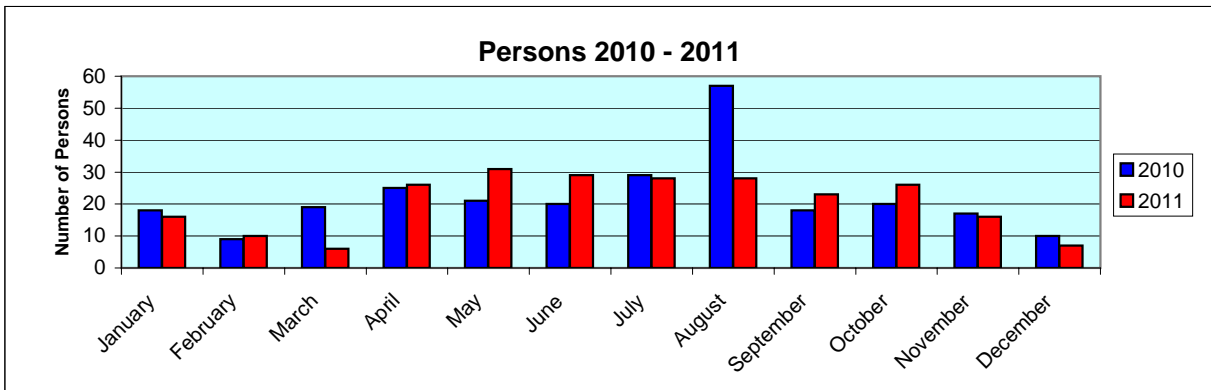
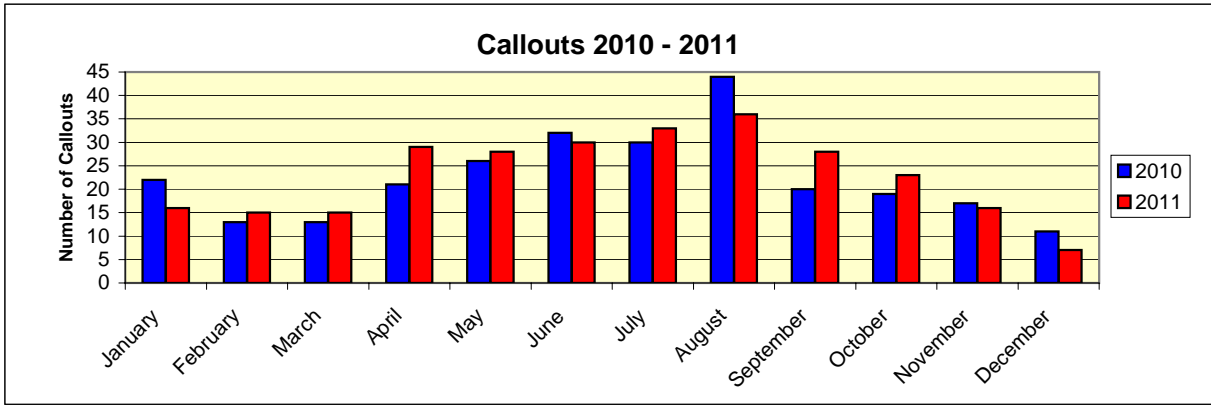
		Callouts	Persons
2011	January	16	16
	February	15	10
	March	15	6
	April	29	26
	May	28	31
	June	30	29
	July	33	28
	August	36	28
	September	28	23
	October	23	26
	November	16	16
	December	7	7
Total:		276	246

	Average Flying hours*		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
January	1.46	1.12	43	27
February	1.41	2.07	34	36
March	1.18	1.37	25	41
April	1.28	1.09	28	22
May	1.27	1.11	27	26
June	1.18	1.31	30	31
July	1.24	1.18	32	24
August	1.33	1.15	32	30
September	1.20	1.23	28	35
October	1.25	1.44	33	31
November	1.39	1.47	35	29
December	1.32	2.16	43	39
Annual Average:	1.29	1.27	32	30

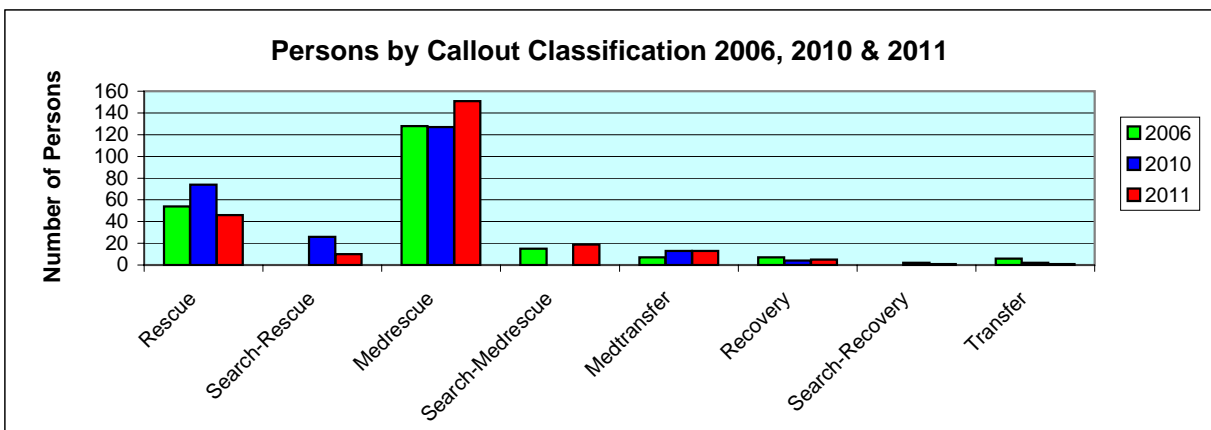
* 'Average Flying Hours' are expressed in Hours and Minutes.
(Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).



RAF Valley - Helicopters

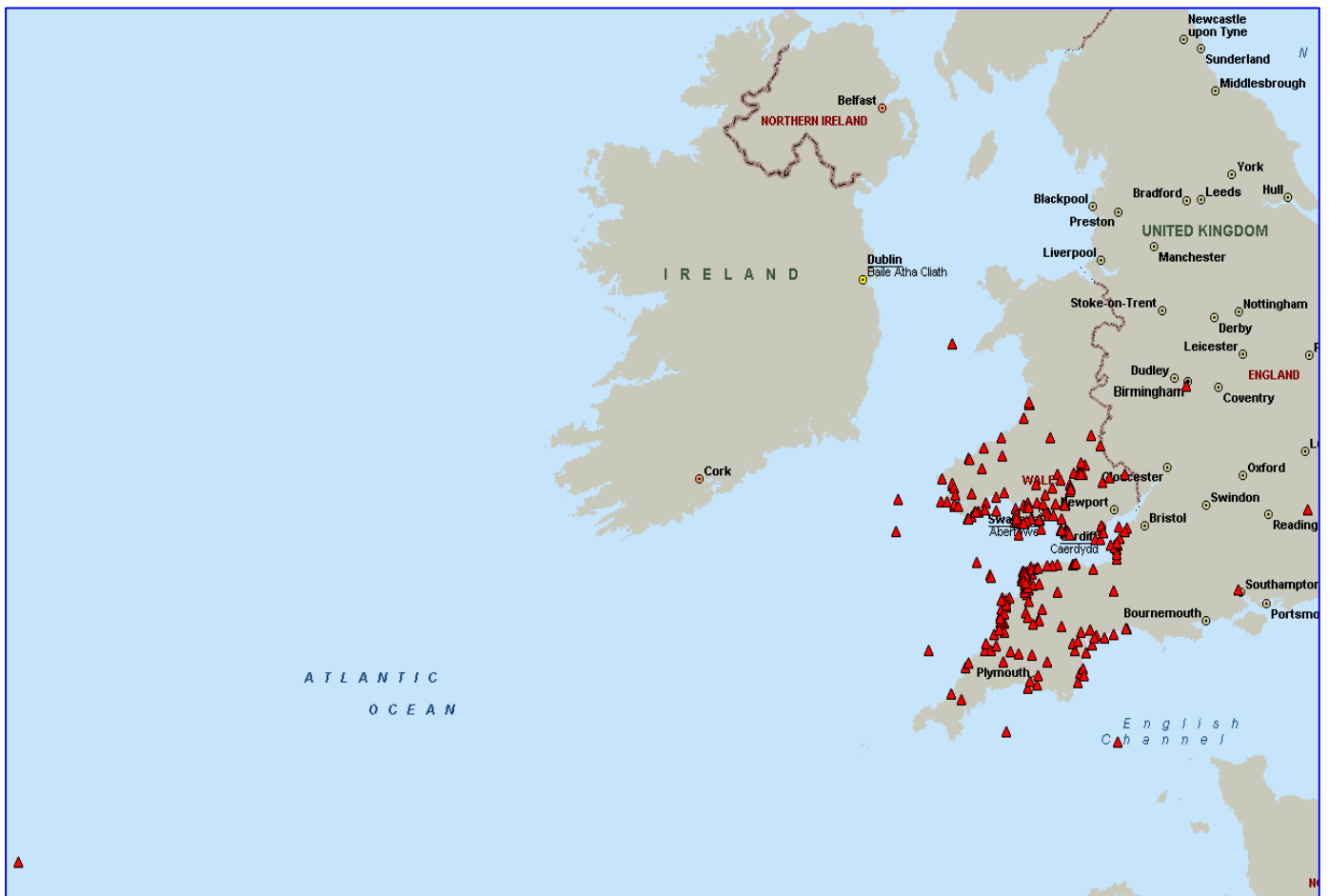


'Other' includes: Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax Precaution, Aborted & Search-Aborted.



UK SAR HELICOPTER CALLOUTS - 2011

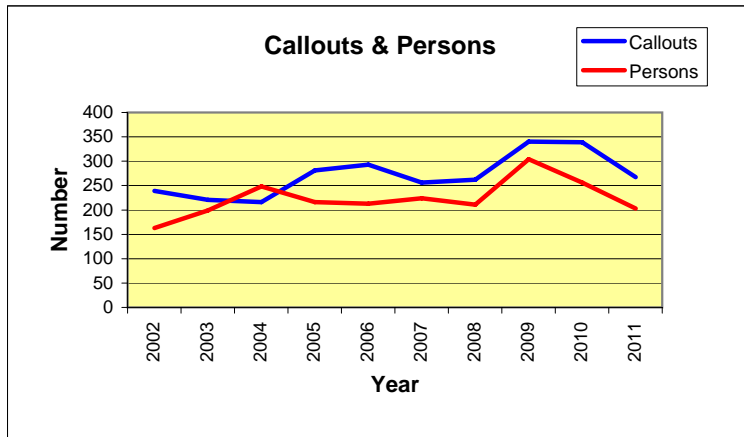
RAF Chivenor



RAF Chivenor - Helicopters

Annual Totals

	Callouts	Persons
2002	239	163
2003	221	199
2004	216	248
2005	281	216
2006	293	213
2007	256	224
2008	262	211
2009	340	304
2010	339	256
2011	267	203



Monthly Totals

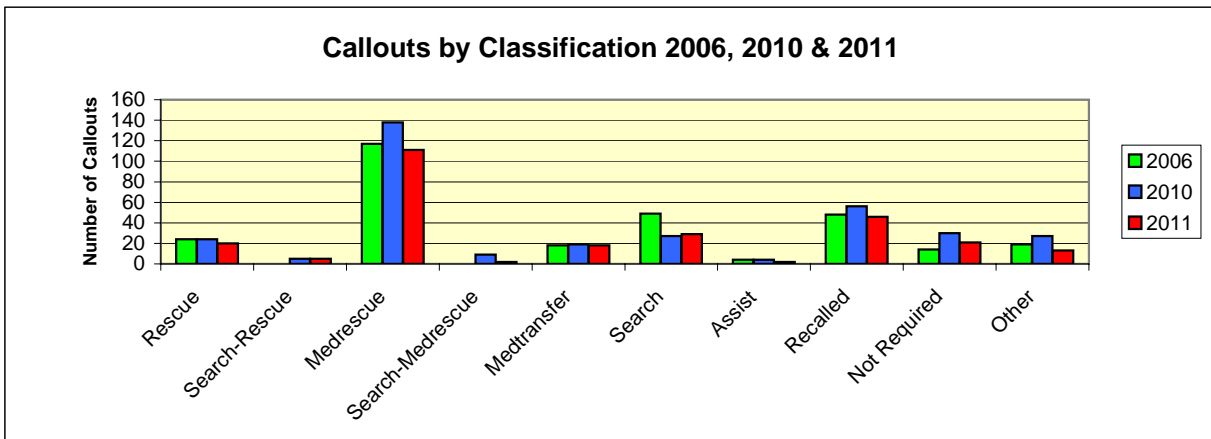
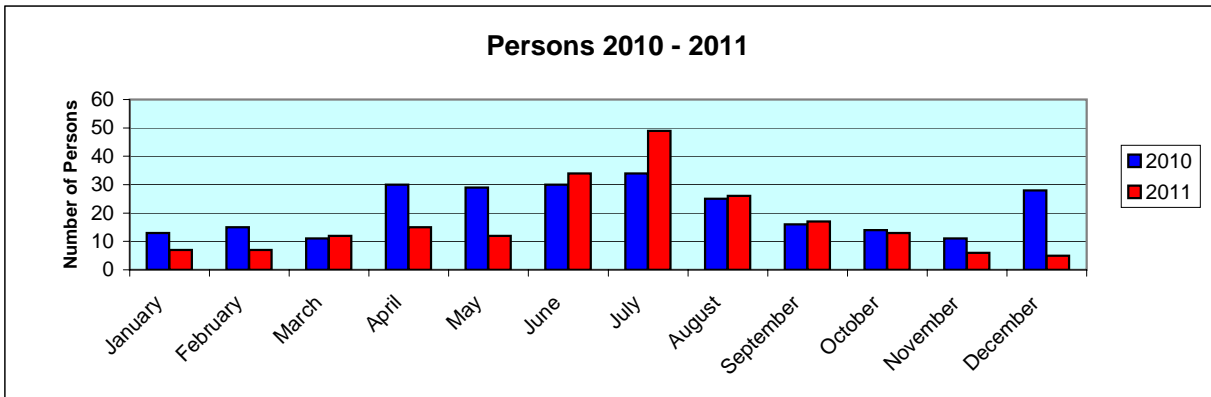
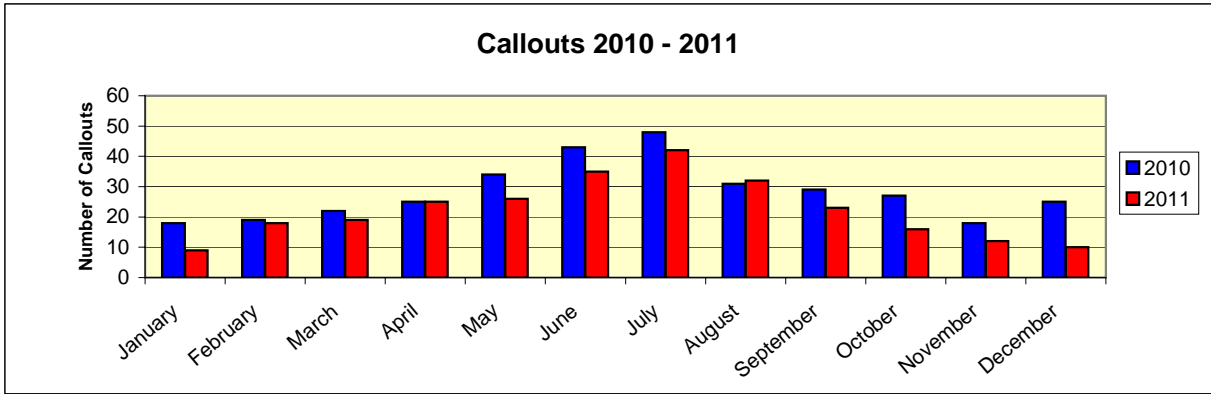
		Callouts	Persons
2011	January	9	7
	February	18	7
	March	19	12
	April	25	15
	May	26	12
	June	35	34
	July	42	49
	August	32	26
	September	23	17
	October	16	13
	November	12	6
	December	10	5
Total:		267	203

	Average Flying hours*		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
January	0.54	1.19	25	36
February	1.21	1.19	34	33
March	1.37	1.20	60	36
April	1.29	1.03	35	31
May	1.15	1.02	52	37
June	0.49	1.18	34	38
July	0.56	1.05	38	33
August	1.12	0.55	31	34
September	1.03	1.43	29	63
October	1.07	1.10	38	32
November	1.12	1.35	30	26
December	1.24	1.07	41	38
Annual Average:	1.09	1.13	38	37

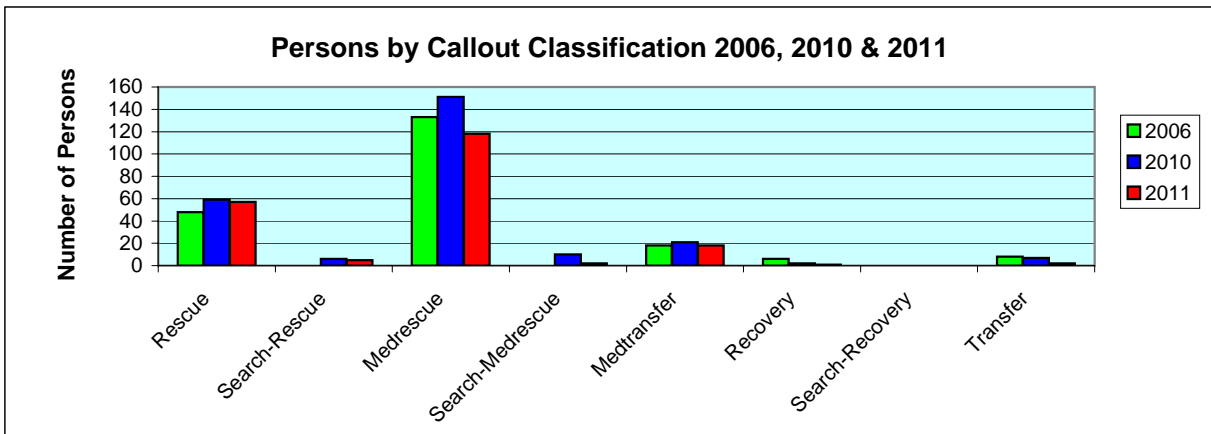
* 'Average Flying Hours ' are expressed in Hours and Minutes.
 (Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).



RAF Chivenor - Helicopters

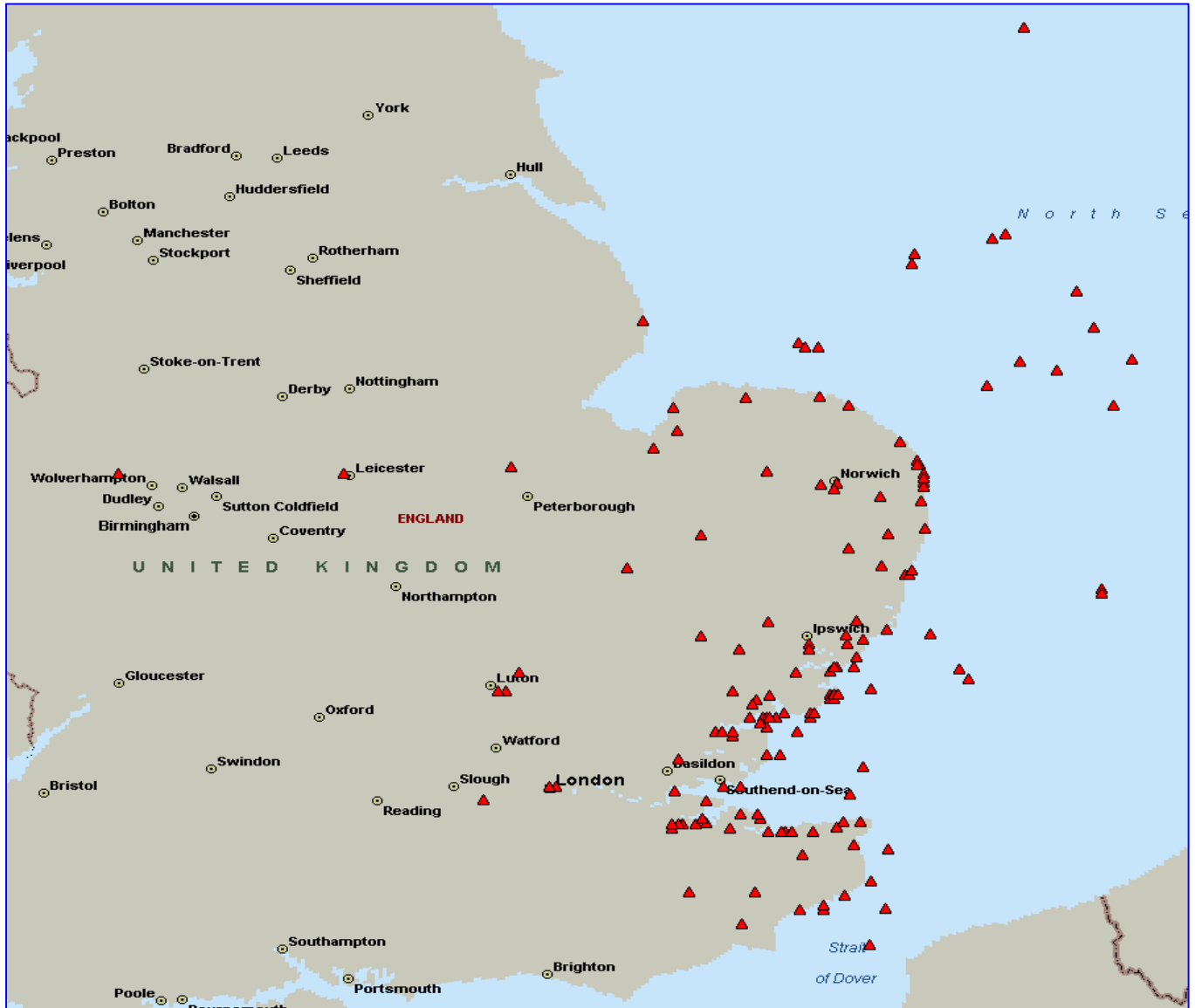


'Other' includes: Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax Precaution, Aborted & Search-Aborted.



UK SAR HELICOPTER CALLOUTS - 2011

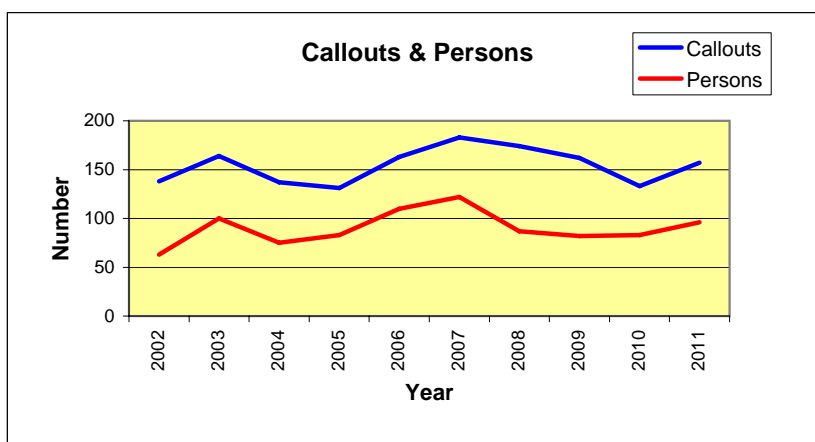
RAF Wattisham



RAF Wattisham - Helicopters

Annual Totals

	Callouts	Persons
2002	138	63
2003	164	100
2004	137	75
2005	131	83
2006	163	110
2007	183	122
2008	174	87
2009	162	82
2010	133	83
2011	157	96



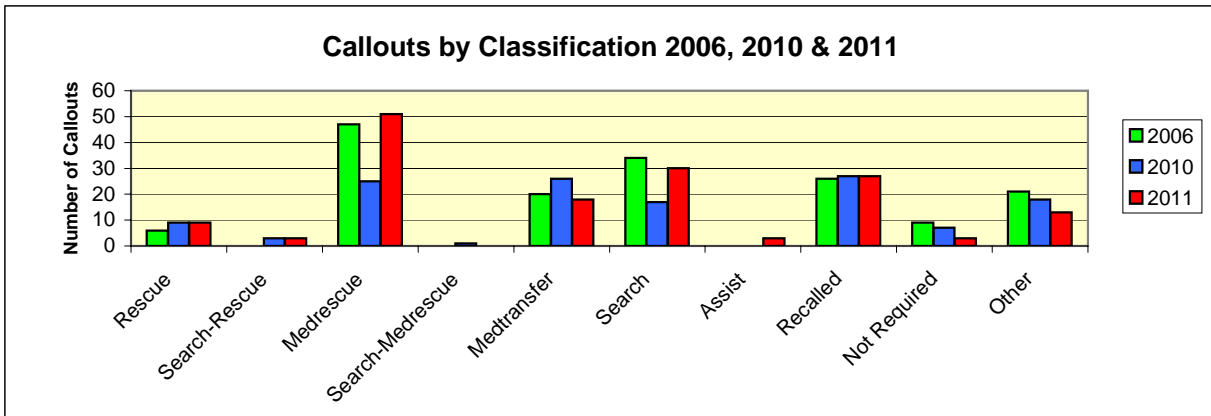
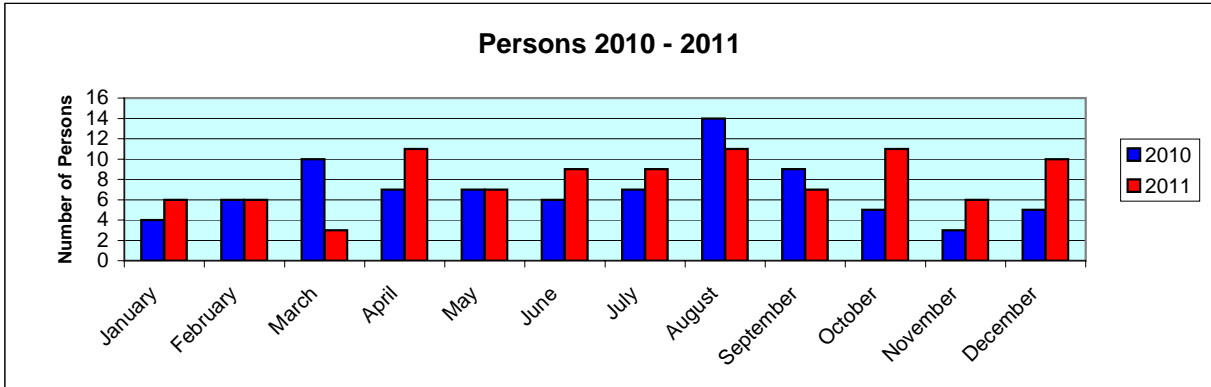
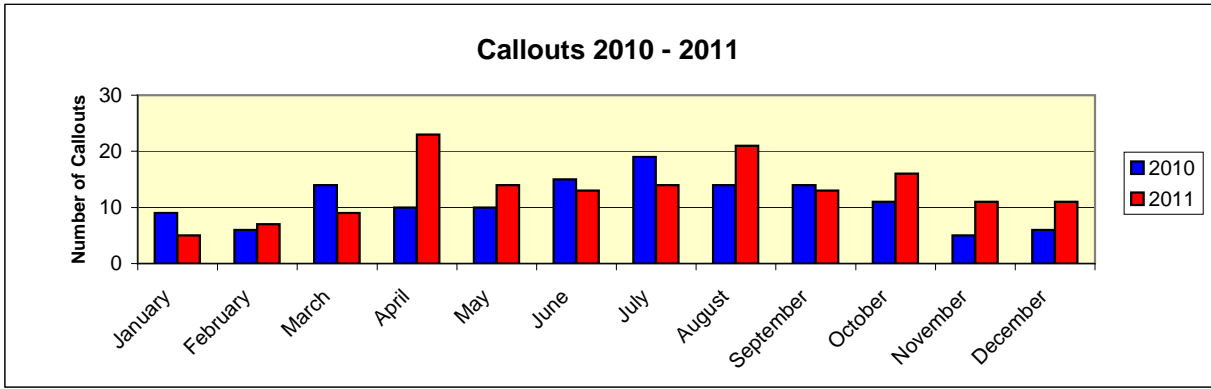
Monthly Totals

		Callouts	Persons
2011	January	5	6
	February	7	6
	March	9	3
	April	23	11
	May	14	7
	June	13	9
	July	14	9
	August	21	11
	September	13	7
	October	16	11
	November	11	6
	December	11	10
Total:		157	96

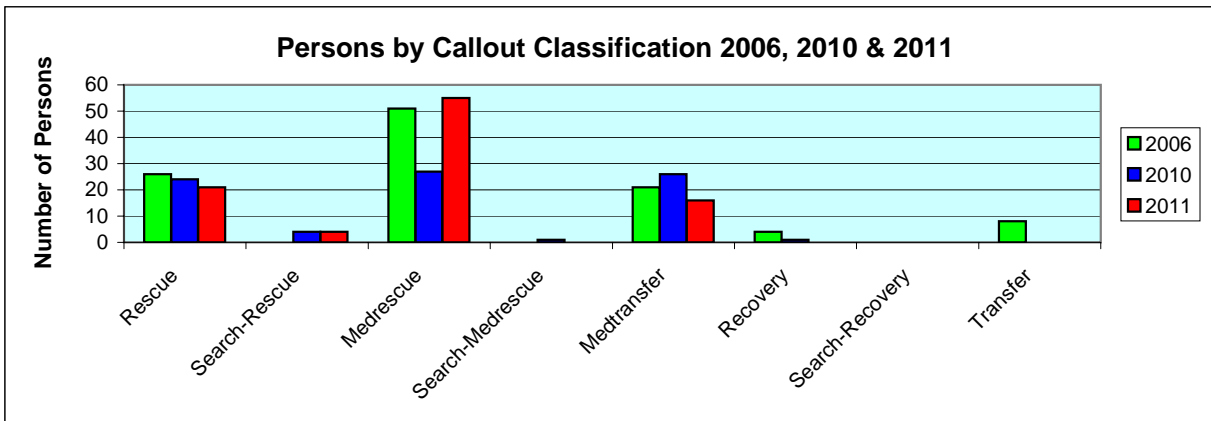
	Average Flying Hours *		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
2011	2.17	1.51	34	38
January	2.31	1.38	39	44
February	2.01	2.18	55	79
March	2.06	0.58	42	36
April	1.35	1.24	39	41
May	1.19	0.54	57	38
June	1.09	1.23	45	34
July	1.32	1.09	43	44
August	1.29	2.00	51	44
September	1.36	1.28	51	38
October	2.01	1.21	52	50
November	2.07	2.13	89	44
December				
Annual Average:	1.42	1.27	49	43

* 'Average Flying Hours' are expressed in Hours and Minutes.
 (Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).

RAF Wattisham - Helicopters

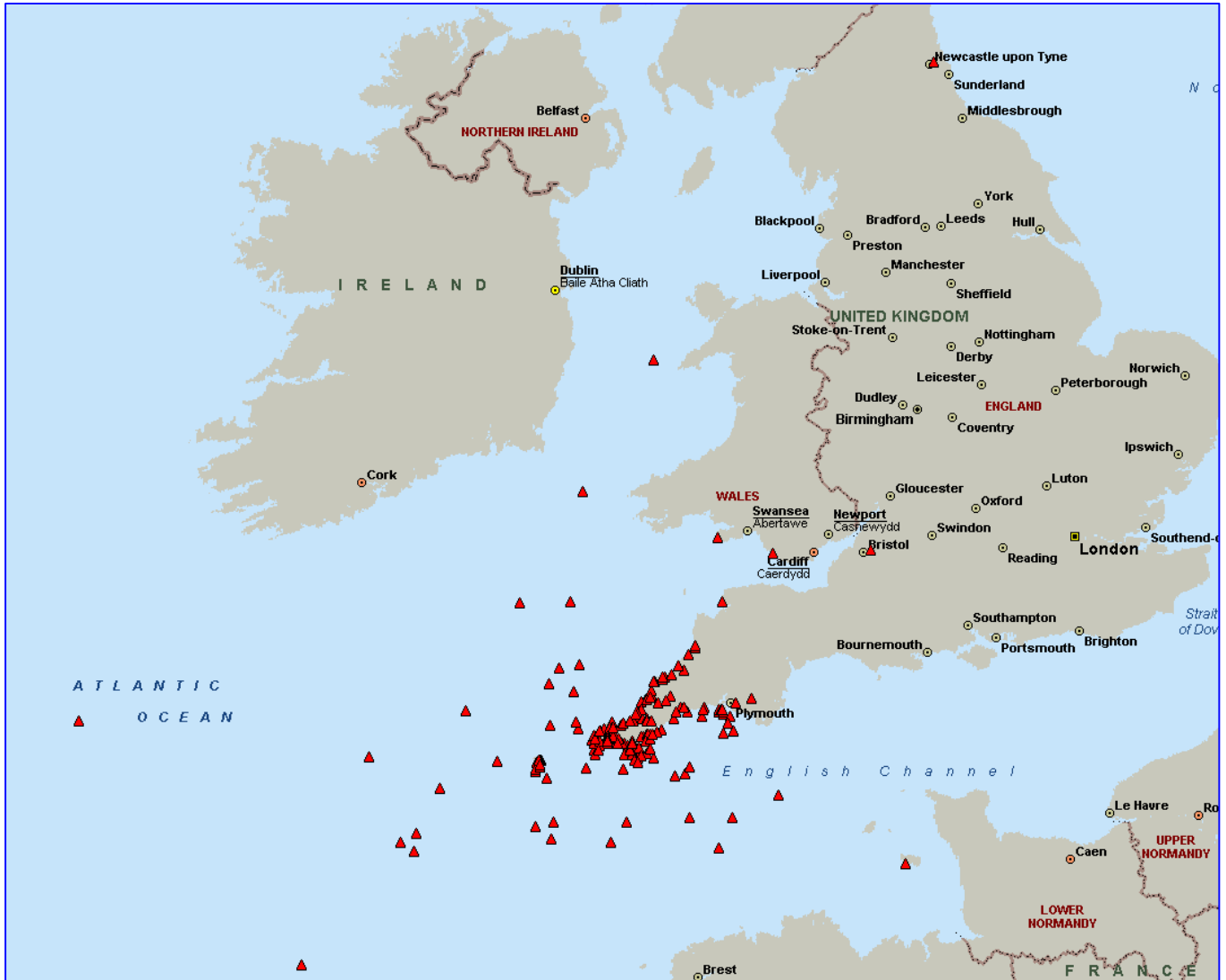


'Other' includes: Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax Precaution, Aborted & Search-Aborted.



UK SAR HELICOPTER CALLOUTS - 2011

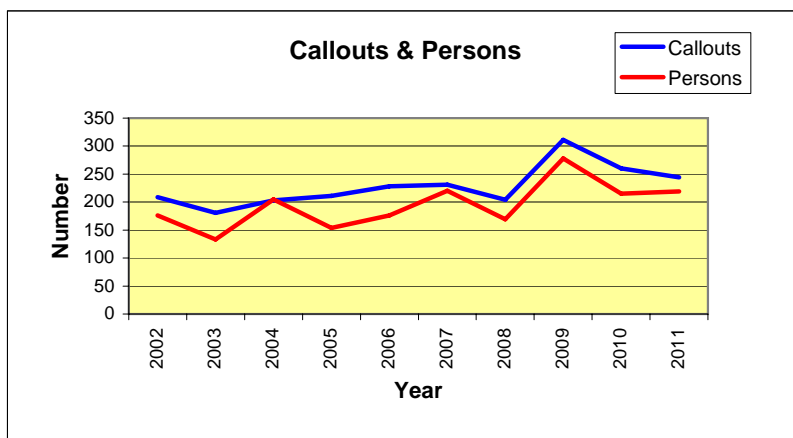
RNAS Culdrose



Royal Navy Culdrose - Helicopters

Annual Totals

	Callouts	Persons
2002	209	176
2003	181	133
2004	203	205
2005	211	154
2006	228	176
2007	231	220
2008	204	169
2009	311	278
2010	260	215
2011	244	219



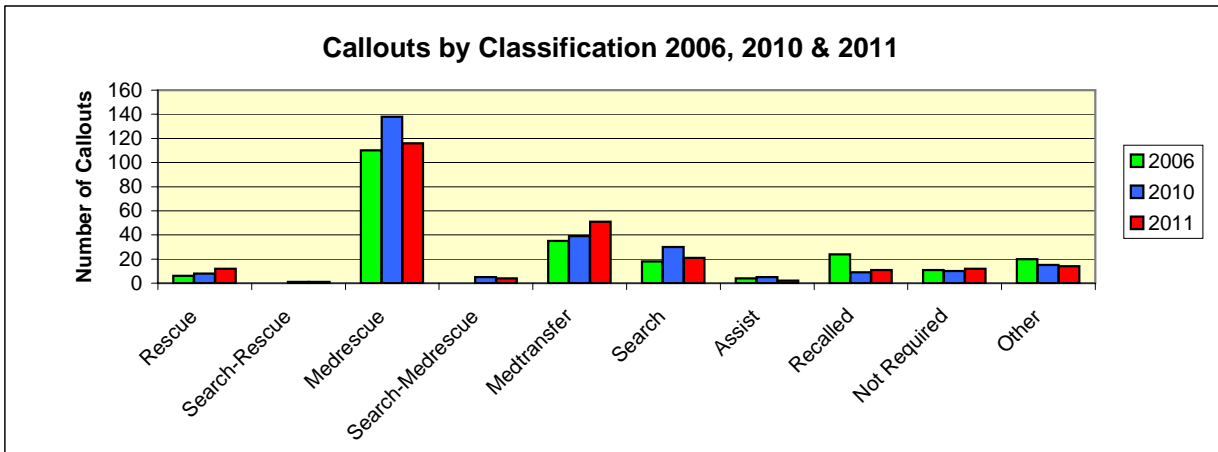
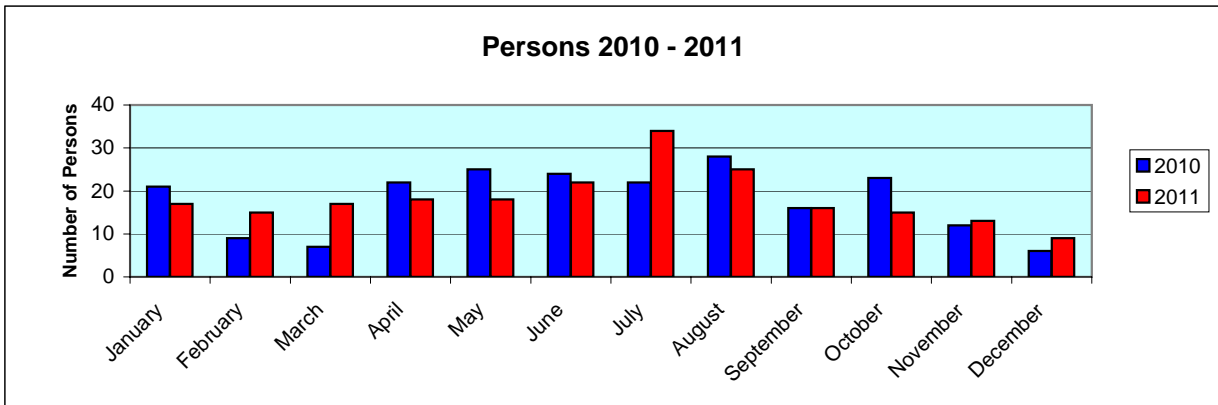
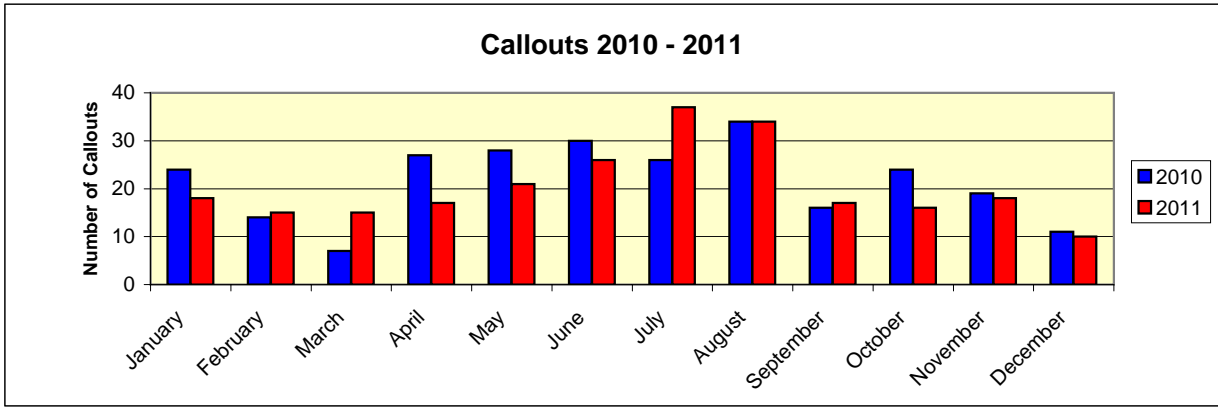
Monthly Totals

		Callouts	Persons
2011	January	18	17
	February	15	15
	March	15	17
	April	17	18
	May	21	18
	June	26	22
	July	37	34
	August	34	25
	September	17	16
	October	16	15
	November	18	13
	December	10	9
Total:		244	219

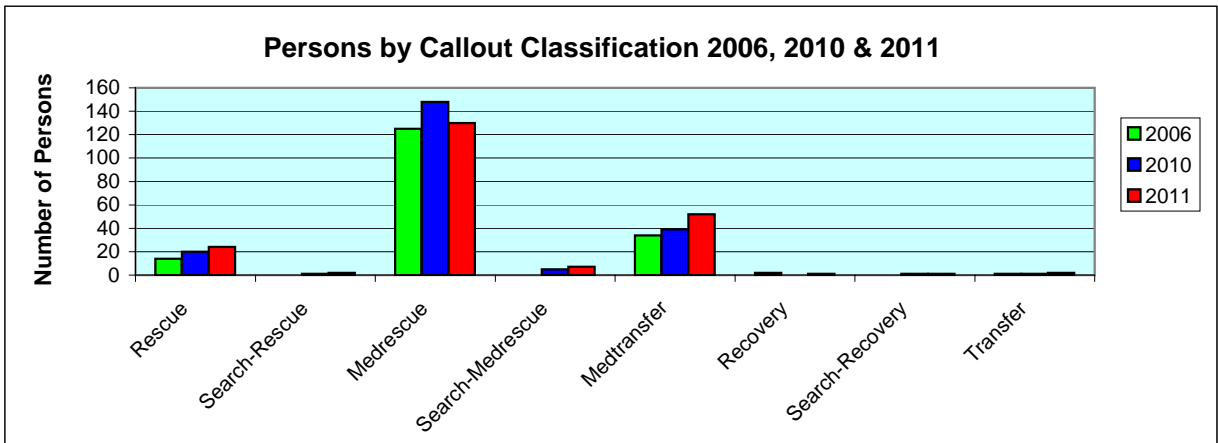
	Average Flying Hours *		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
January	1.26	1.29	35	34
February	2.09	1.36	51	34
March	0.56	1.34	18	34
April	1.23	1.13	28	30
May	1.14	1.25	33	30
June	1.22	1.19	23	43
July	1.14	1.23	26	28
August	1.11	1.14	29	26
September	1.18	1.27	29	50
October	1.11	1.30	53	28
November	1.22	1.34	26	40
December	1.45	1.14	46	26
Annual Average:	1.21	1.24	32	33

* 'Average Flying Hours ' are expressed in Hours and Minutes.
(Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).

Royal Navy Culdrose - Helicopters

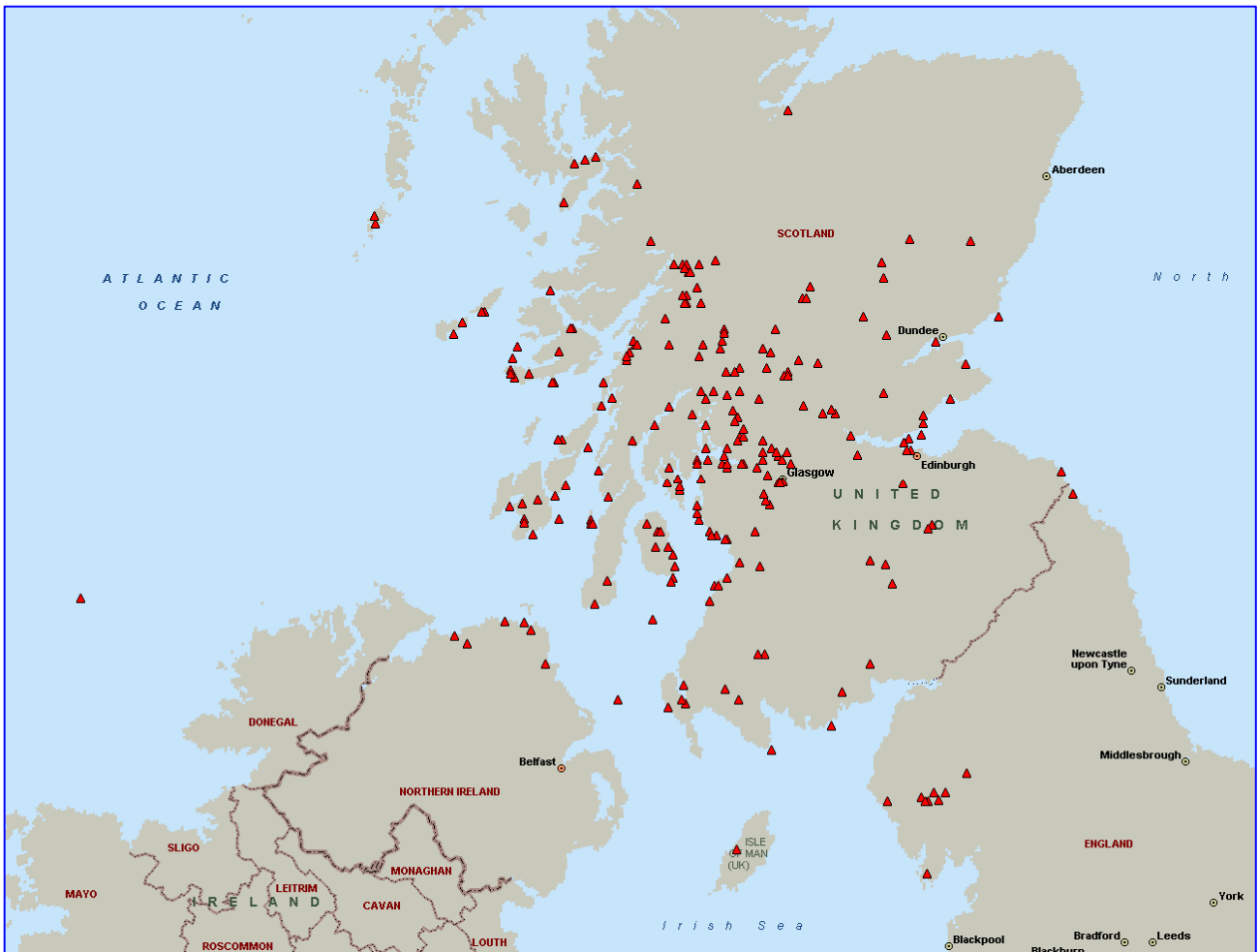


'Other' includes: Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax Precaution, Aborted & Search-Aborted.



UK SAR HELICOPTER CALLOUTS - 2011

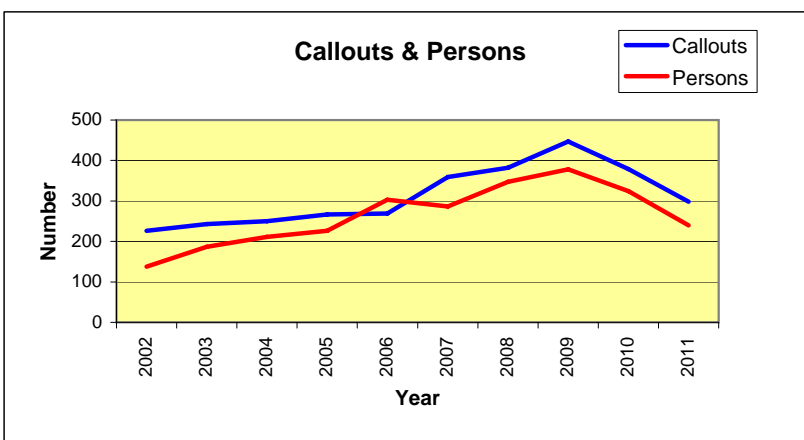
HMS Gannet



Royal Navy - HMS Gannet

Annual Totals

	Callouts	Persons
2002	226	138
2003	243	187
2004	250	211
2005	267	226
2006	269	303
2007	359	286
2008	382	347
2009	447	378
2010	379	324
2011	298	240



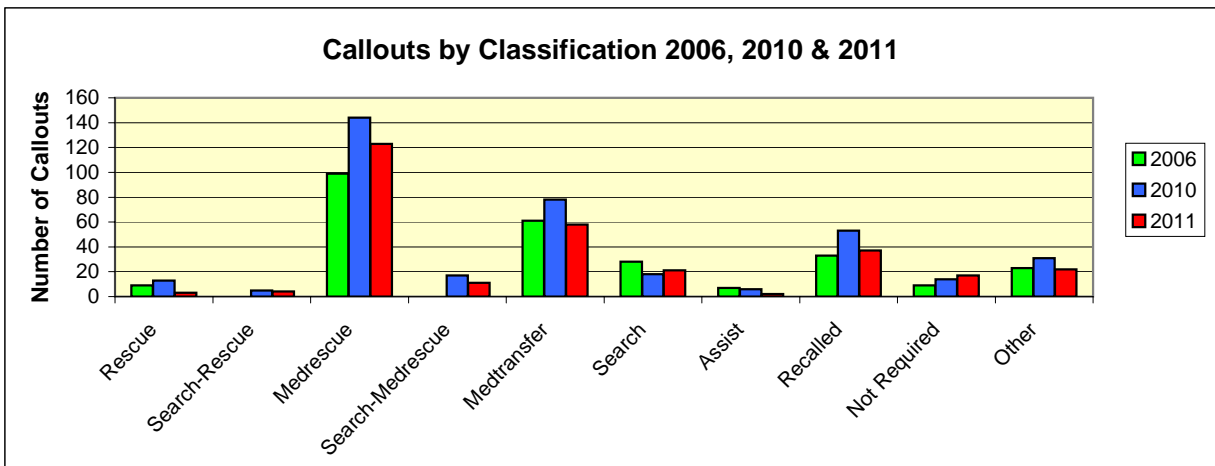
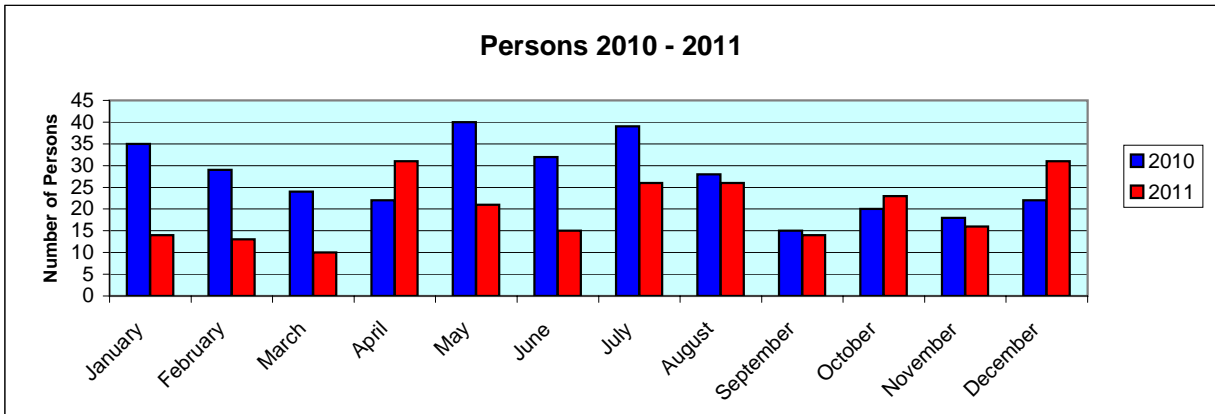
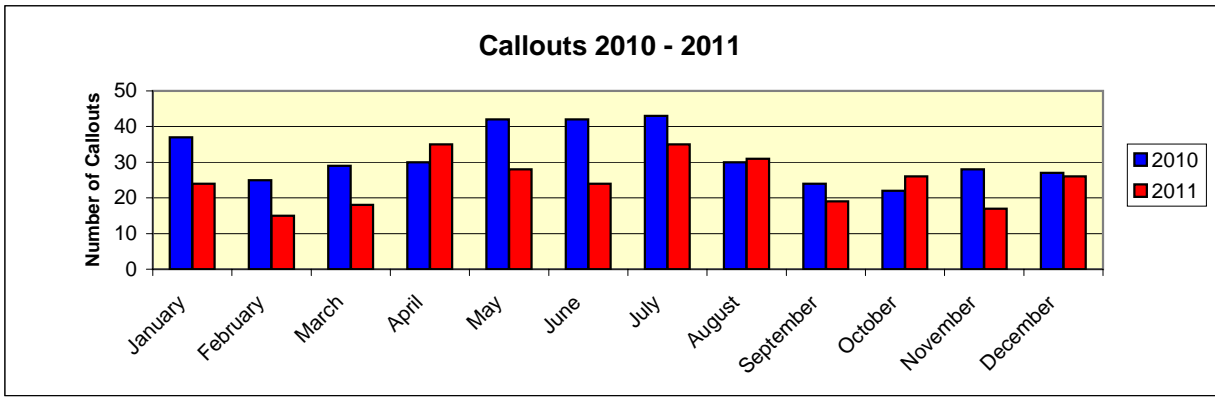
Monthly Totals

	Callouts	Persons
2011 January	24	14
February	15	13
March	18	10
April	35	31
May	28	21
June	24	15
July	35	26
August	31	26
September	19	14
October	26	23
November	17	16
December	26	31
Total:	298	240

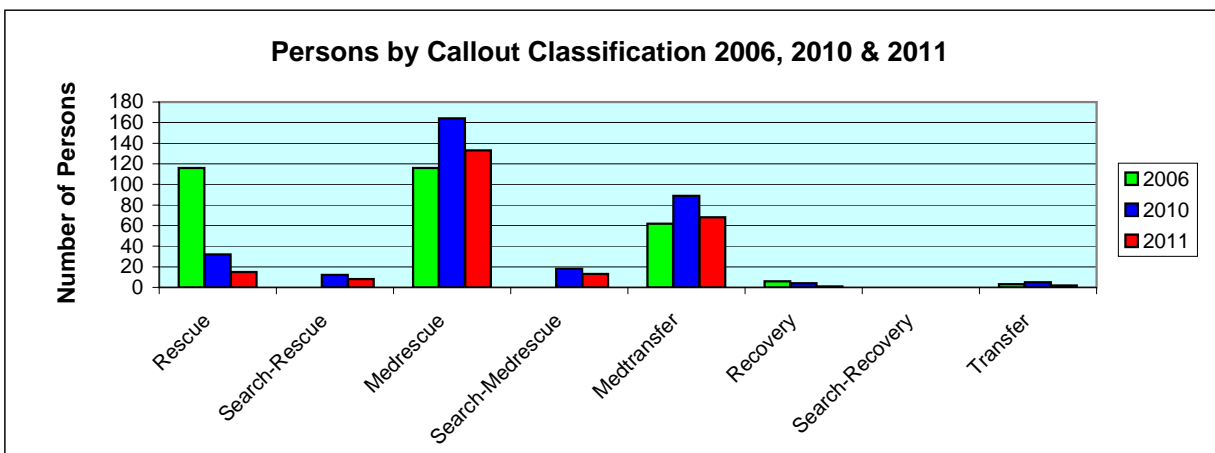
	Average Flying Hours *		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
2011 January	1.35	1.47	53	60
February	1.40	1.39	52	70
March	1.55	1.52	53	64
April	1.58	1.30	56	47
May	1.18	1.17	57	54
June	1.24	1.22	51	47
July	1.22	1.23	51	45
August	1.54	1.23	58	47
September	0.59	1.14	44	51
October	1.39	1.39	50	50
November	1.28	2.29	51	69
December	1.29	2.00	59	53
Annual Average:	1.33	1.35	53	53

* 'Average Flying Hours' are expressed in Hours and Minutes.
(Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).

Royal Navy - HMS Gannet



'Other' includes Search-Rescue, Search-Medrescue, Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax, Precaution, Aborted and Search-Aborted.



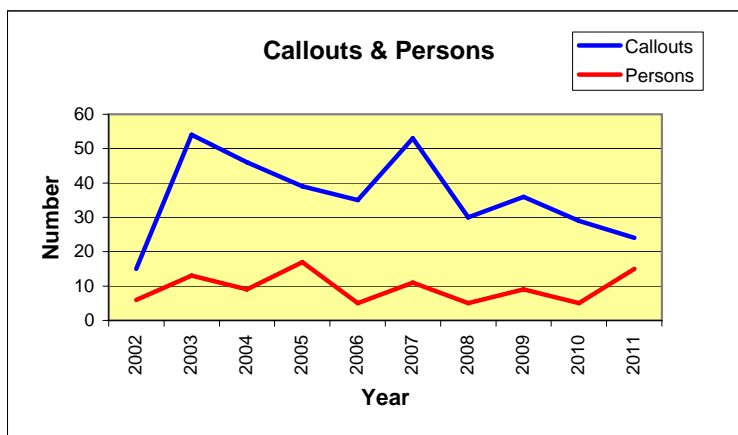
SECTION 3

OVERSEAS HELICOPTERS

Cyprus - Helicopters

Annual Totals

	Callouts	Persons
2002	15	6
2003	54	13
2004	46	9
2005	39	17
2006	35	5
2007	53	11
2008	30	5
2009	36	9
2010	29	5
2011	24	15



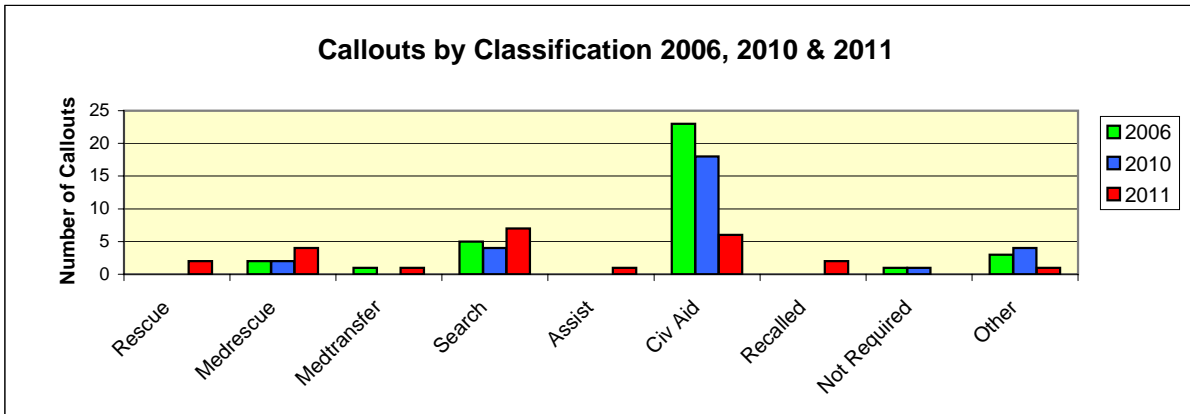
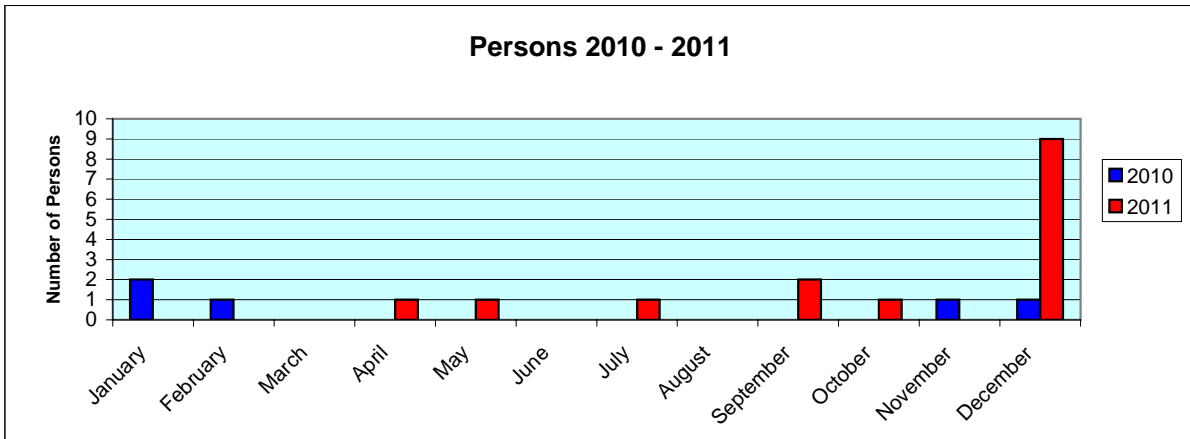
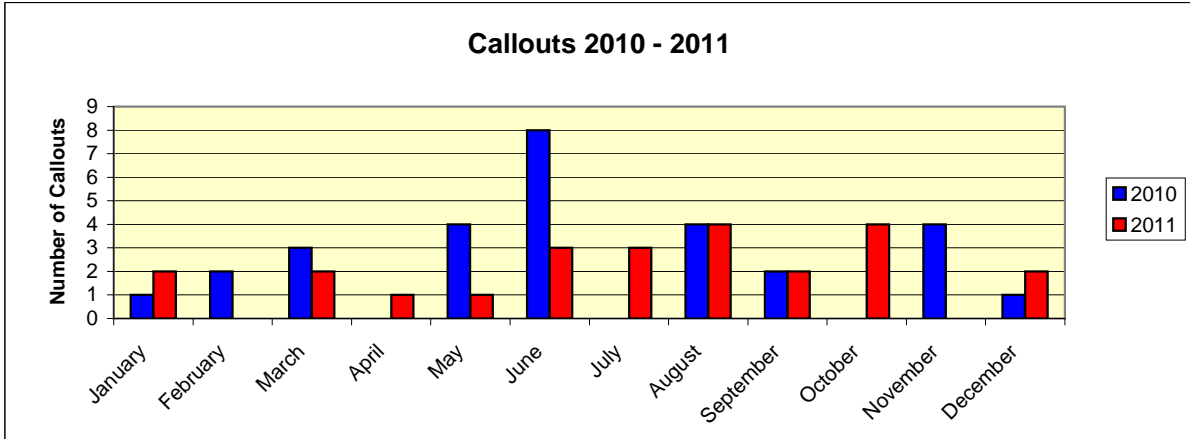
Monthly Totals

	Callouts	Persons
2011 January	2	0
February	0	0
March	2	0
April	1	1
May	1	1
June	3	0
July	3	1
August	4	0
September	2	2
October	4	1
November	0	0
December	2	9
Total:	24	15

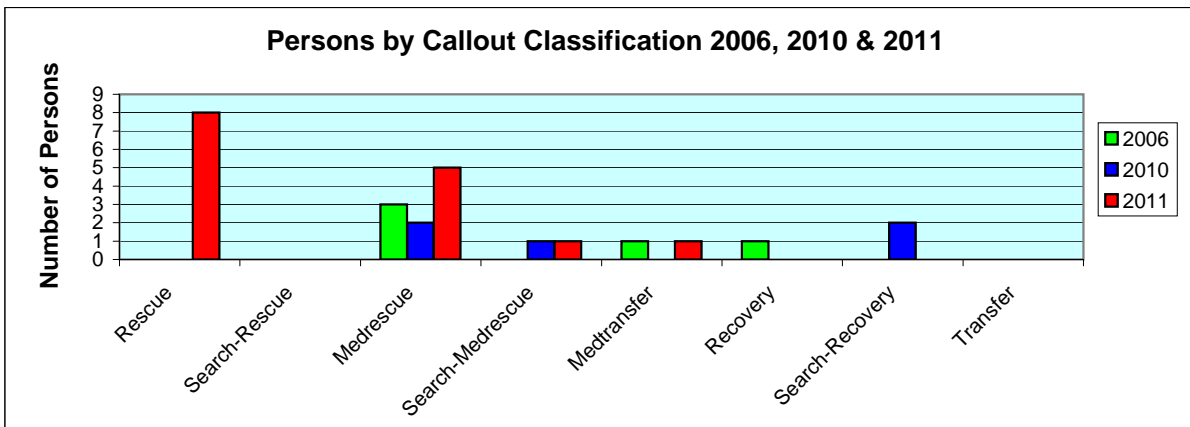
	Average Flying Hours *		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
2011 January	8.00	1.13	130	15
February	1.40	0.00	6	0
March	2.28	0.30	14	7
April	0.00	1.15	0	40
May	1.59	0.55	36	3
June	1.58	4.27	17	21
July	0.00	1.13	0	14
August	1.41	0.46	15	20
September	3.00	2.17	26	113
October	0.00	3.29	0	5
November	2.27	0.00	25	0
December	0.35	1.59	0	62
Total:	2.16	2.00	23	27

* 'Average Flying Hours' are expressed in Hours and Minutes.
(Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).

Cyprus - Helicopters



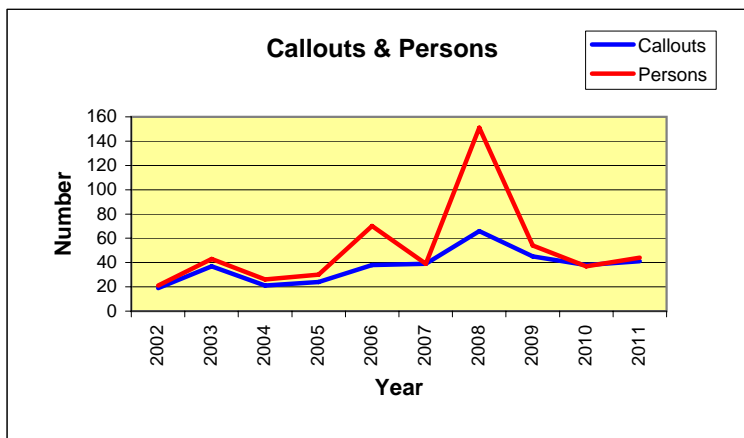
'Other' includes Search-Rescue, Search-Medrescue, Recovery, Search-Recovery, Transfer, Top Cover, Search-Assist, False Alarm, Hoax, Precaution, Aborted and Search-Aborted.



Falklands - Helicopters

Annual Totals

	Callouts	Persons
2002	19	21
2003	37	43
2004	21	26
2005	24	30
2006	38	70
2007	39	39
2008	66	151
2009	45	54
2010	38	37
2011	41	44



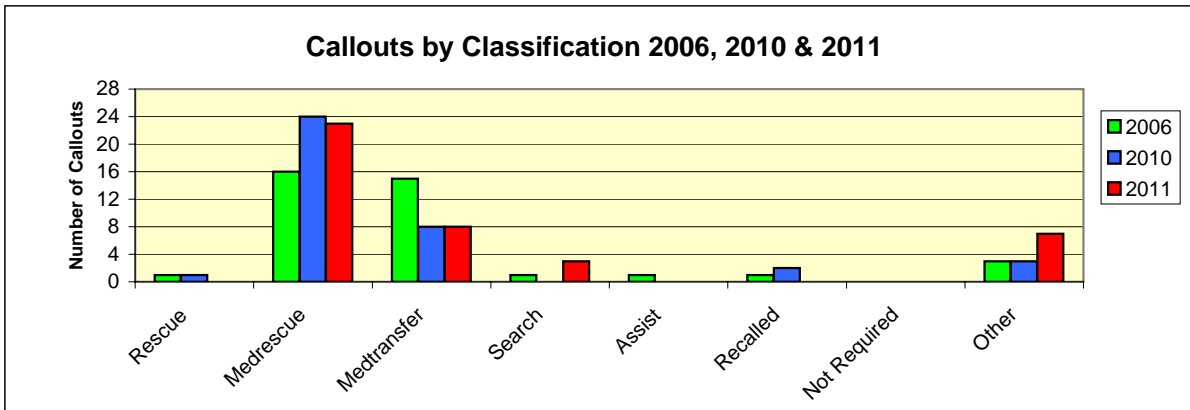
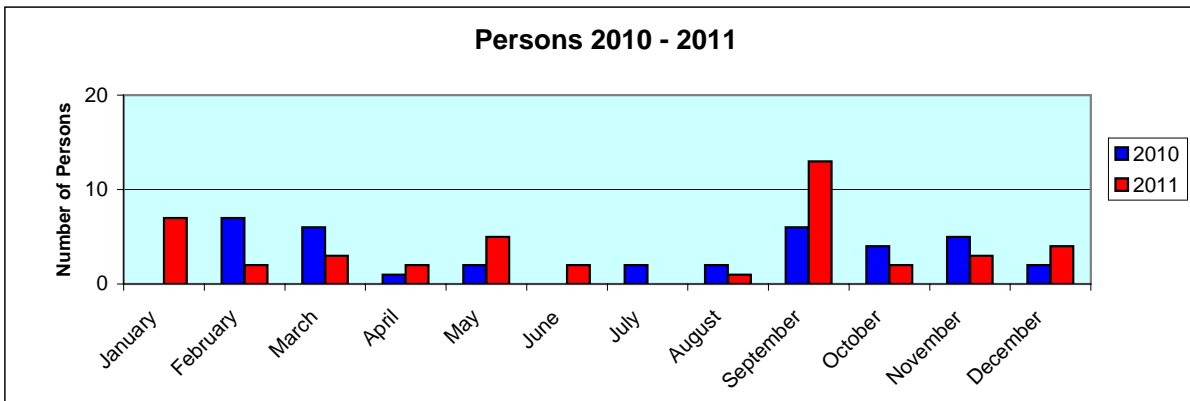
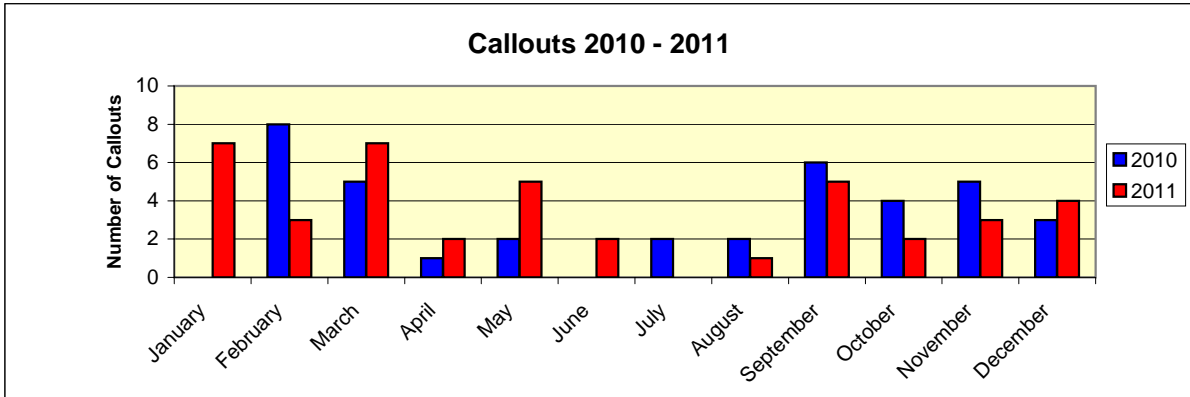
Monthly Totals

		Callouts	Persons
2011	January	7	7
	February	3	2
	March	7	3
	April	2	2
	May	5	5
	June	2	2
	July	0	0
	August	1	1
	September	5	13
	October	2	2
	November	3	3
	December	4	4
Total:		41	44

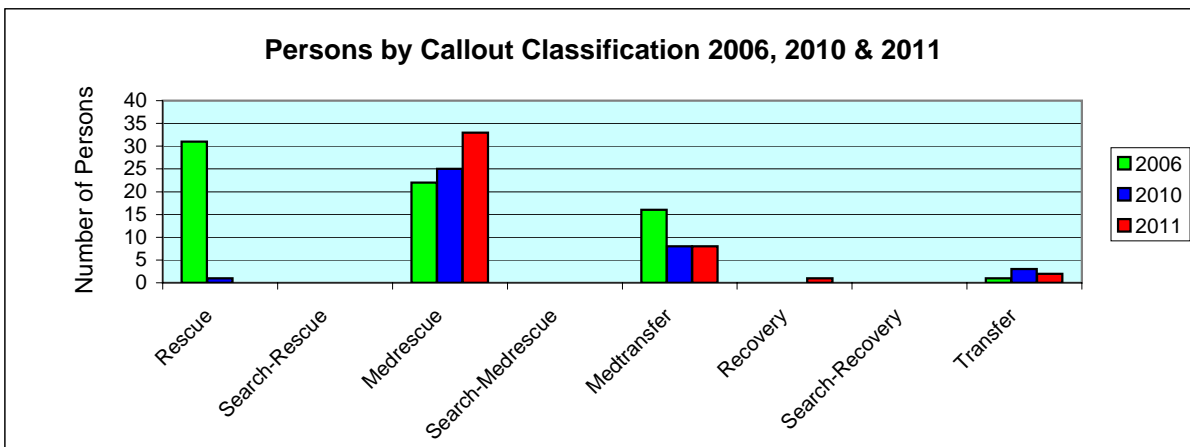
	Average Flying Hours *		Average Distance from Base (nautical miles)	
	2010	2011	2010	2011
2011	0.00	1.53	0	20
2011	1.27	0.50	42	24
2011	3.00	1.21	125	21
2011	1.10	2.15	21	25
2011	1.00	1.20	13	46
2011	0.00	2.12	0	33
2011	3.40	0.00	133	0
2011	3.57	1.00	155	0
2011	1.45	1.02	68	18
2011	3.05	4.50	125	150
2011	1.11	0.47	10	9
2011	2.12	0.59	131	12
Annual Average:	2.07	1.32	77	28

* 'Average Flying Hours' are expressed in Hours and Minutes.
 (Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).

Falklands - Helicopters



'Other' includes Search-Rescue, Search-Medrescue, Recovery, Search-Recovery, Transfer, Civ Aid, Top Cover, Search-Assist, False Alarm, Hoax, Precaution, Aborted and Search-Aborted.



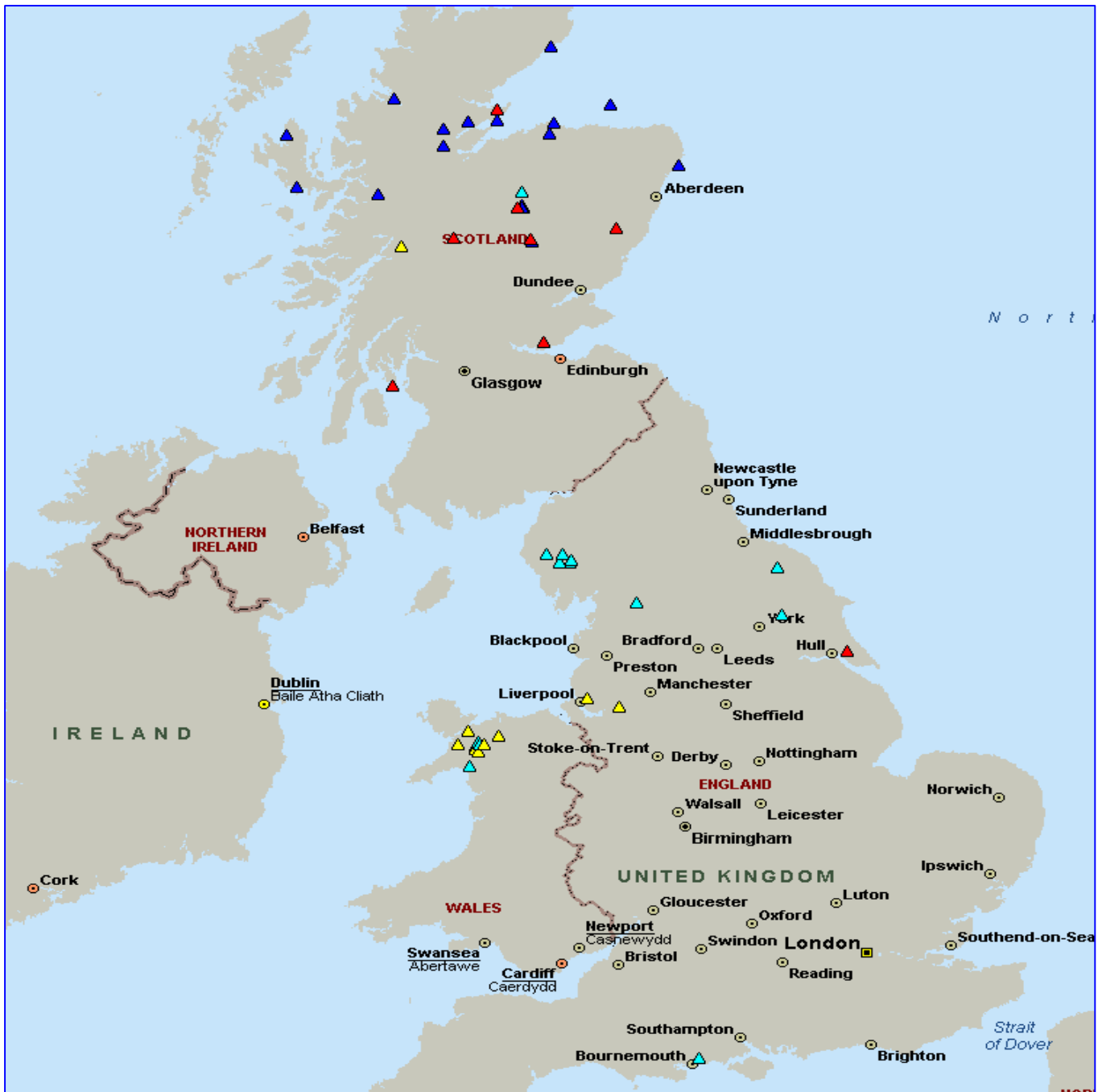
SECTION 4

MOUNTAIN RESCUE TEAMS

UK SAR MRT CALLOUTS

2011

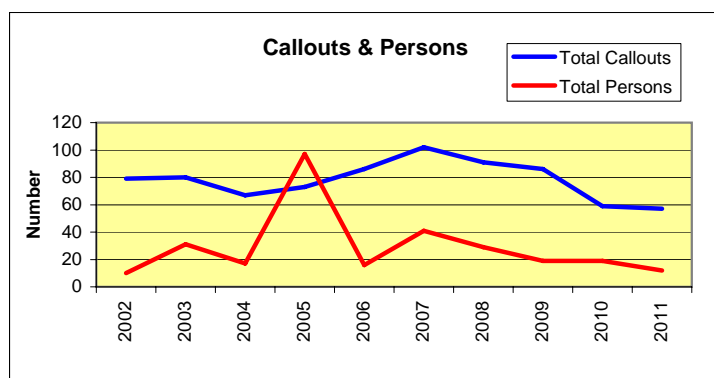
MRT Kinloss ▲	MRT Valley ▲
MRT Leeming ▲	MRT Leuchars ▲



RAF Mountain Rescue Teams

Annual Totals

	Total Callouts	Total Persons	Kinloss		Leeming		Leuchars		Valley		Other*	
			Callouts	Persons	Callouts	Persons	Callouts	Persons	Callouts	Persons	Callouts	Persons
2002	79	10	31	1	16	9	9	0	0	0	23	0
2003	80	31	33	5	16	16	15	5	0	0	16	5
2004	67	17	30	7	4	0	15	7	0	0	18	3
2005	73	97	32	71	6	21	16	2	18	3	1	0
2006	86	16	24	4	14	1	13	1	35	10	0	0
2007	102	41	39	4	13	7	14	3	35	27	1	0
2008	91	29	32	7	12	7	21	9	25	5	1	1
2009	86	19	29	7	13	1	22	6	22	5	0	0
2010	59	19	20	4	8	6	14	3	17	6	0	0
2011	57	12	22	3	14	5	8	0	13	4	0	0



The number of Persons assisted by MRTs can be difficult to quantify due to the nature of their work. MRTs spend long periods of time searching for, recovering and giving medical assistance to casualties in mountainous terrain. Casualties are often handed over to SAR helicopter crews for expedient transportation to a medical facility or other safe environment. Any Persons rescued in this manner are then accounted for in the accompanying helicopter callout and not by the MRT.

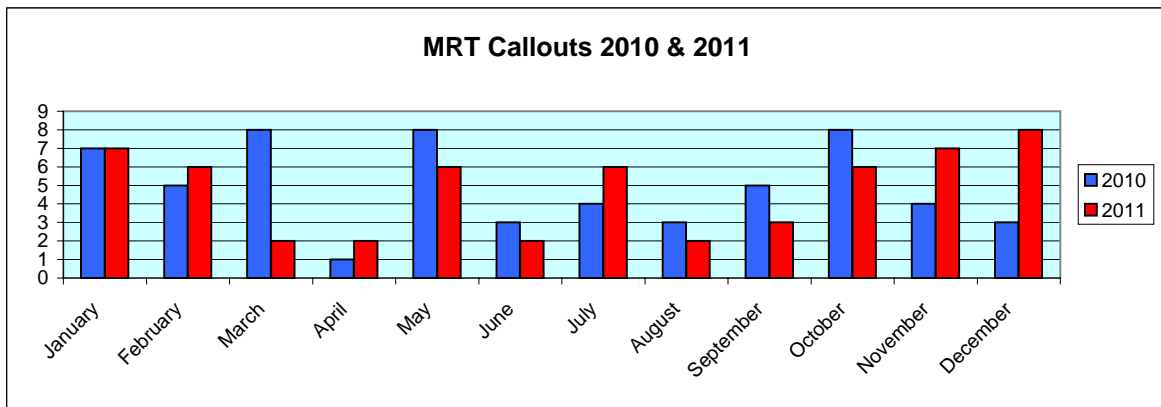
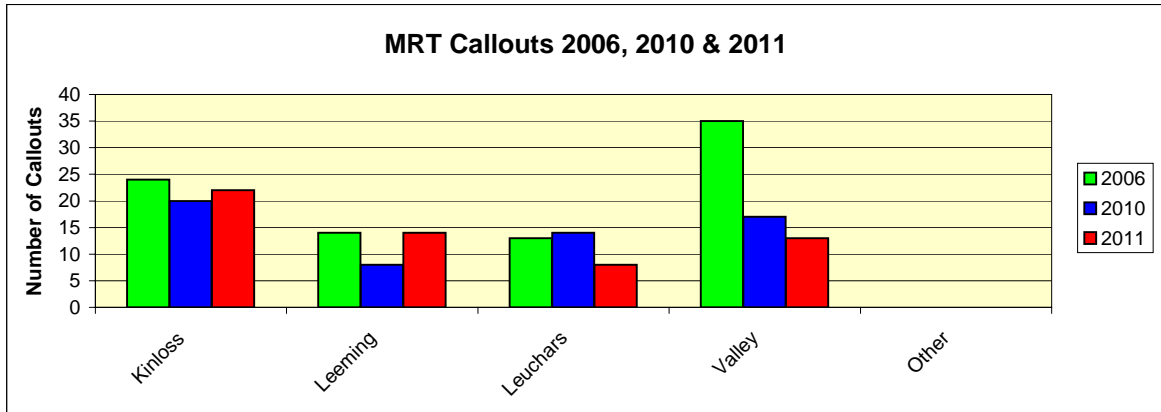
Monthly Totals

	Total Callouts	Total Persons	Kinloss		Leeming		Leuchars		Valley		Other*	
			Callouts	Persons	Callouts	Persons	Callouts	Persons	Callouts	Persons	Callouts	Persons
2011												
January	7	1	4	0	0	0	1	0	2	1	0	0
February	6	2	2	1	3	1	1	0	0	0	0	0
March	2	0	0	0	0	0	2	0	0	0	0	0
April	2	0	2	0	0	0	0	0	0	0	0	0
May	6	6	2	2	2	2	0	0	2	2	0	0
June	2	0	1	0	0	0	0	0	1	0	0	0
July	6	0	1	0	1	0	0	0	4	0	0	0
August	2	0	1	0	1	0	0	0	0	0	0	0
September	3	1	1	0	1	0	0	0	1	1	0	0
October	6	1	3	0	1	1	1	0	1	0	0	0
November	7	0	3	0	1	0	2	0	1	0	0	0
December	8	1	2	0	4	1	1	0	1	0	0	0
Total:	57	12	22	3	14	5	8	0	13	4	0	0

From 2005 St Athan & Stafford ceased operational activities and RAF Valley was re-instated and became the MRS HQ.

* 'Other' includes closed stations & winter and summer courses

RAF Mountain Rescue Teams



	Average Distance from Base (nautical miles)	
	2010	2011
January	58	65
February	56	74
March	61	60
April	102	72
May	42	50
June	78	60
July	46	50
August	67	144
September	55	37
October	52	54
November	27	41
December	84	61
Total/Avg:	56	59

MRT Man Hours										
2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
5694	7970	9372	10863	8000	8602	6950	7684	3353	3403	



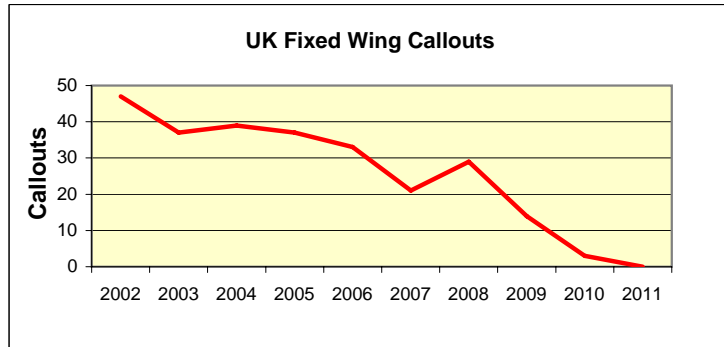
SECTION 5

FIXED WING

SAR Callouts - UK & Overseas Fixed Wing Aircraft

UK Annual Totals - Fixed Wing Callouts Totals

	Total UK callouts	Nimrods	Other F/Wing
2002	47	46	1
2003	37	37	0
2004	39	37	2
2005	37	37	0
2006	33	32	1
2007	21	21	0
2008	29	29	0
2009	14	13	1
2010	3	3	0
2011	0	0	0



Total Callouts by Callout Classification - UK & Overseas

YEAR	Total Callouts	Search	Top Cover	Other *
2002	47	8	37	2
2003	37	11	21	5
2004	39	5	29	5
2005	37	10	25	2
2006	33	9	22	2
2007	21	4	16	1
2008	29	9	17	3
2009	14	2	10	2
2010	3	1	2	0
2011	0	0	0	0



* 'Other' includes Assist, Recall, Not Required, False Alarm, Hoax, Precaution, Aborted, Rescue, Medrescue, Medtransfer & Transfer

UK Monthly Totals

	Callouts	Average Flying Hours *		Average Distance from Base (nautical miles)	
		2010	2011	2010	2011
2011					
January	0	5.52	0.00	569	0
February	0	0.00	0.00	0	0
March	0	3.51	0.00	405	0
April	0	0.00	0.00	0	0
May	0	0.00	0.00	0	0
June	0	0.00	0.00	0	0
July	0	0.00	0.00	0	0
August	0	0.00	0.00	0	0
September	0	0.00	0.00	0	0
October	0	0.00	0.00	0	0
November	0	0.00	0.00	0	0
December	0	0.00	0.00	0	0
Total:	0	4.31	0.00	459	0

RAF Nimrod aircraft was used to provide communications assistance - 'Top Cover' to SAR Helicopters during incidents. The Nimrod was withdrawn from service in March 2010.

* 'Average Flying Hours' are expressed in Hours and Minutes. (Flying time excludes periods where an aircraft lands, whether the engines are shut down or not).

SECTION 6

MARITIME & COASTGUARD AGENCY

Maritime & Coastguard Agency SAR Statistics

Source: Maritime & Coastguard Agency.

Please note that these figures are provisional and subject to audit.

Incidents using CG Helicopter assistance by bases for 1st January - 31st December 2011

	Lee on Solent	Shetland	Portland	Stornoway	Total
January	19r	16r	10	11	56
February	16r	6r	7r	3r	32
March	8r	4r	17r	5r	34
April	25r	8r	19r	15r	67
May	21	9r	21r	24r	75
June	22	14r	33	20r	89
July	26	14r	25	20	85
August	21r	16	17	16	70
September	8	6r	17	13	44
October	18	7	13	9	47
November	17	10	12	8	47
December	18	10	11	10	49
Total	219	120	202	154	695

r - revised

The RAF Kinloss coordination centre work closely with other agencies during many SAR operations - the Maritime & Coastguard agency forming a major part of the combined UK SAR effort. The Coastguard have four SAR helicopter units; Sumburgh (Shetland), Stornoway (Isle of Lewis), Portland and Lee-on-Solent. Their helicopter crews provide cover for civil maritime, civil aviation SAR, some land operations and military rescues.



SEARCH AND RESCUE DEFINITIONS

RESCUE	Transfer of distressed uninjured person(s) from a hostile to a benign environment.
MEDRESCUE	Transfer of sick or injured persons(s) from a hostile environment to a recognised medical facility (eg, hospital or chamber).
TRANSFER	Transfer of military personnel, or their families, on compassionate grounds.
MEDTRANSFER	Transfer of patients or organs between medical establishments at the request of a recognised Medical Authority, i.e. NHS Trust, Hospital or Ambulance Authority.
RECOVERY	Recovery of person(s) apparently dead.
SEARCH	Search for craft, person(s), etc which does not result in moving a person.
SEARCH – RESCUE	Search for craft, person(s), etc resulting in the rescue of an uninjured person.
SEARCH – MEDRESCUE	Search for craft, person(s), etc resulting in the rescue of a sick/injured casualty.
SEARCH – ASSIST	Search for craft, person(s), etc involving assistance to other SAR assets.
SEARCH – RECOVERY	Search for craft, person(s), etc resulting in the recovery of person(s) apparently dead.
SEARCH – ABORT	Search for craft, person(s), etc during which callout terminated due to eg malfunction or adverse weather.
TOP-COVER	On-scene assistance, e.g. communications relay, target identification, vectoring to target etc. for another rescue asset, or as cover for person(s) or vessel(s) in distress that does not result in further intervention.
PRECAUTION	Pre-positioning of a SAR helicopter to provide faster response to an anticipated or potential incident, eg, in response to an aircraft declaring a "MAYDAY" or a potential incident on a offshore installation.
ASSIST	Assistance to other SAR assets etc, such as moving SAR personnel or equipment (eg, mountain rescue teams, divers, pumps), shepherding of aircraft etc.
CIVIL AID	Military Aid to the Civil Community (eg fire control).
RECALLED	Asset recalled from incident whilst en route.
NOT REQUIRED	Asset arrived on scene but no action required.
ABORT	Callout terminated due to eg malfunction or adverse weather.
FALSE ALARM	Unnecessary callout with good intent.
HOAX	Unnecessary callout with malicious intent



DASA