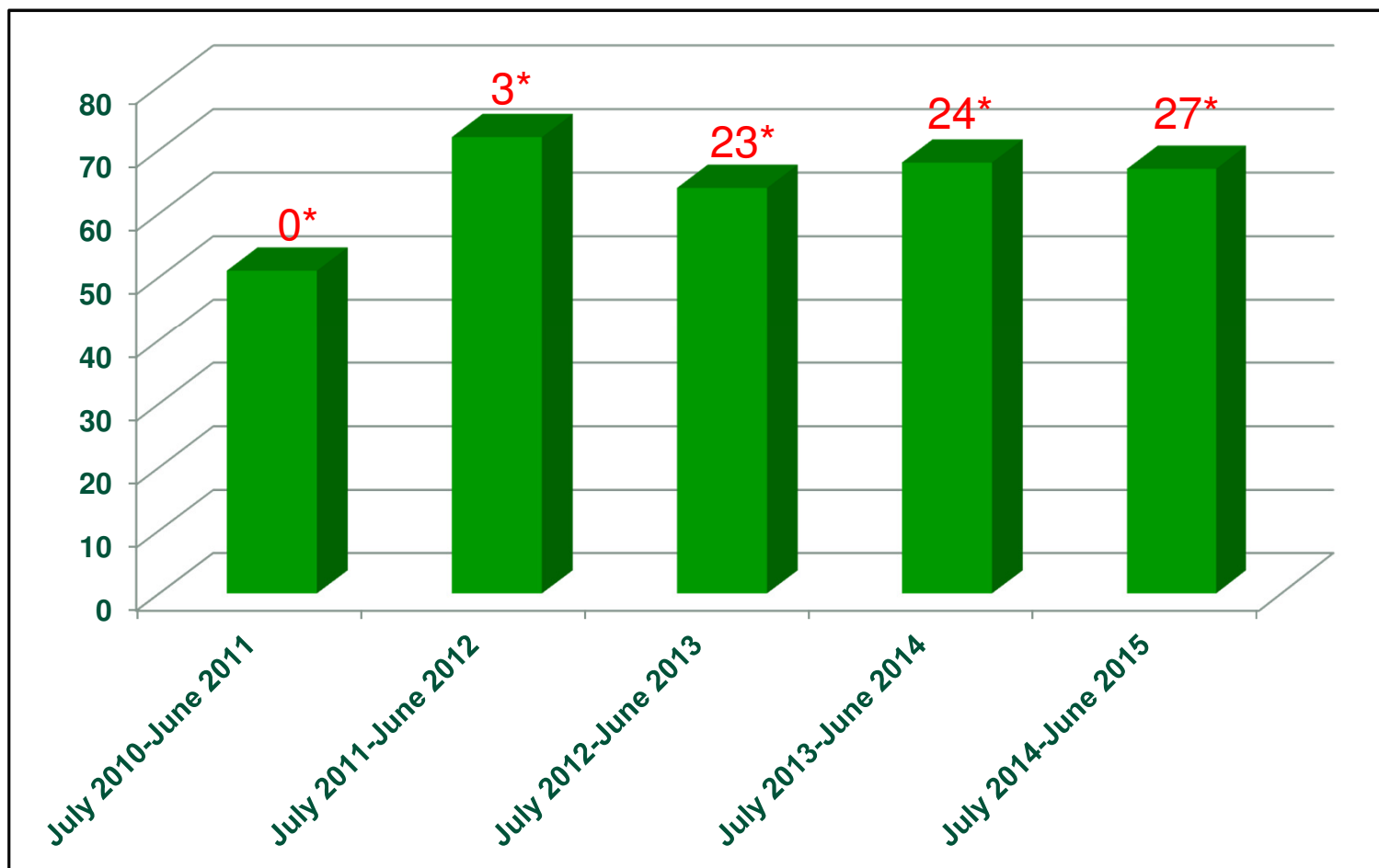


Conspicuous pied propellers – status 2016

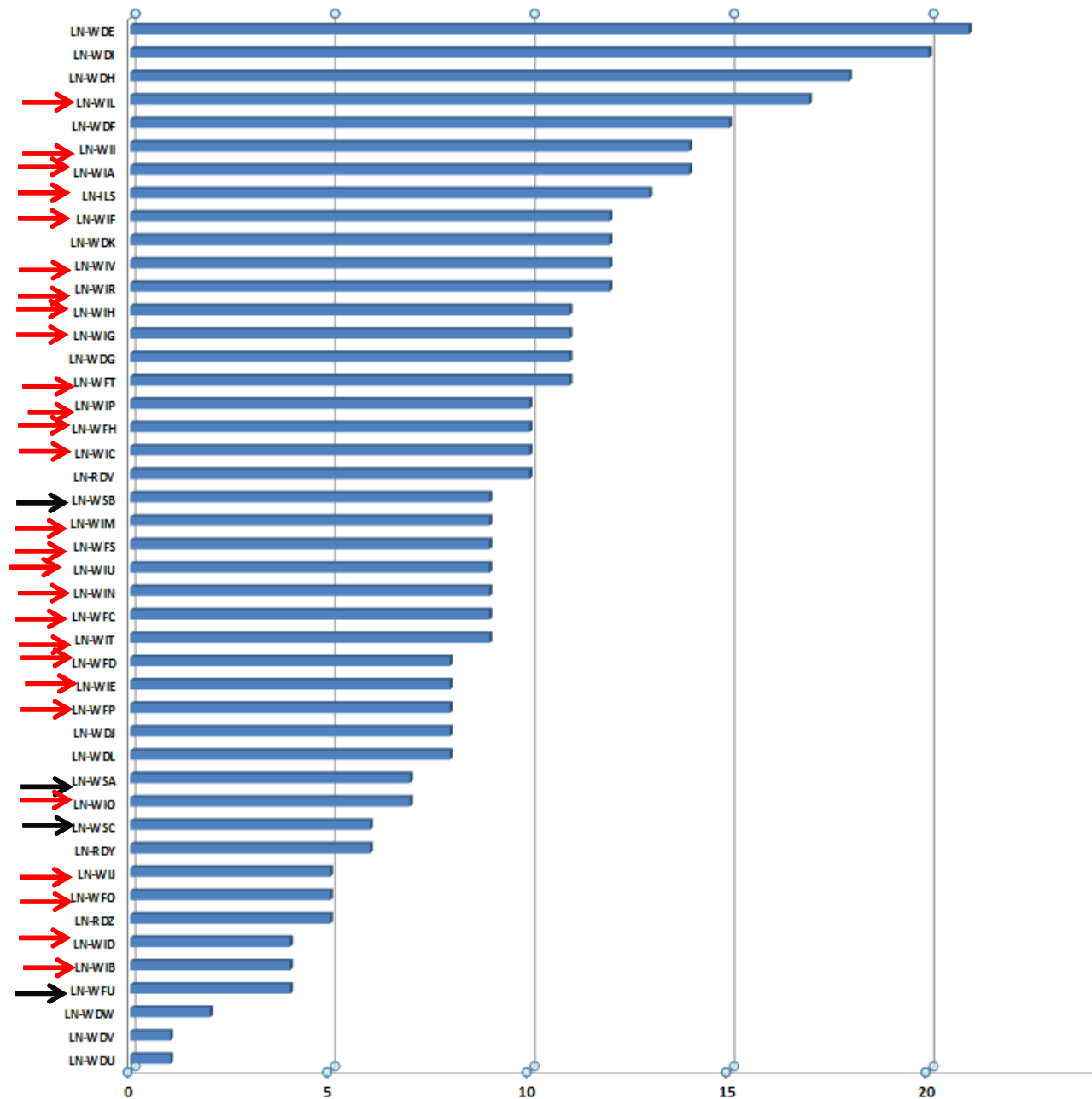


Bird strikes in Widerøe last 5 years



* Number of aircraft with pied propellers

Bird strikes WF 2009-2016 (mid April) by aircraft registration



Preliminary results 2012

- The 5 aircraft included in the project struck birds 28 times prior to the project, and 3 times after the project was initiated.
- Results spring season only:
 - Before: 0,14 bird strikes per "aircraft-spring-month"
 - After: 0,19 bird strikes per "aircraft-spring-month"

Results 2014

- All 42 Widerøe aircraft struck birds 246 times without pied (black-and-white painted) propellers, and 58 times with pied propellers.
- Results 42 aircraft:
 - Before: 0,11 bird strikes per month
 - After: 0,11 bird strikes per month
- We looked at the 28 aircraft included in the propeller painting project, of which only 24 aircraft were associated with bird strike data both before and after initiation of the project.

Results 2016

- All 41 Widerøe aircraft struck birds 297 times without pied (black-and-white painted) propellers, and 132 times with pied propellers.
- Results 41 aircraft:
 - Before: 0,11 bird strikes per month
 - After: 0,11 bird strikes per month
- We looked at the 31 aircraft included in the propeller painting project, of which only 27 aircraft were associated with bird strike data both before and after initiation of the project.

Bird strike rate 2009-2014 (per 31 July) of the 28 Widerøe aircraft with pied propellers

No.	A/C Reg.	Type	Included?	Bs/mo. before T/O	Bs/mo. after T/O	Date of technical order (T/O)
1	ILS	A	1	0,19	0,04	28 November 2012
2	WIA	A	1	0,22	0,04	15 May 2012
3	WIB	A	1	0,07	0,00	1 October 2013
4	WIC	A	1	0,08	0,12	4 March 2013
5	WID	A	1	0,08	0,00	19 May 2013
6	WIE	A	1	0,09	0,00	27 November 2012
7	WIF	A	1	0,13	0,13	3 May 2013
8	WII	A	1	0,15	0,05	21 April 2012
9	WIJ	A	1	0,02	0,06	22 October 2012
10	WIL	A	1	0,22	0,12	2 March 2013
11	WIM	A	1	0,08	0,13	2 April 2013
12	WIN	A	1	0,14	0,00	23 October 2013
13	WIO	A	1	0,08	0,08	16 December 2012
14	WIP	A	1	0,16	0,04	31 August 2012
15	WIR	A	1	0,09	0,12	2 July 2013
16	WIT	A	1	0,12	0,07	4 March 2013
17	WIU	A	1	0,07	0,06	13 July 2012
18	WIV	A	1	0,10	0,06	23 March 2013
19	WSA	B	0	no data prior to technical order		28 September 2012
20	WSB	B	0	no data prior to technical order		3 May 2012
21	WSC	B	0	no data prior to technical order		15 September 2012
22	WFC	C	1	0,09	0,09	3 October 2012
23	WFH	C	1	0,13	0,09	29 December 2012
24	WFO	C	1	0,06	0,03	19 February 2013
25	WFP	C	1	0,05	0,10	24 September 2013
26	WFS	C	1	0,11	0,09	4 October 2012
27	WFT	C	1	0,13	0,00	27 August 2013
28	WFO	C	0	no data prior to technical order		22 October 2012

A/C included 24

Average

0,11

0,06

43 % reduction

Reduction in bs-rate

5

16

3 A/C no reduction or increase

Birdstrike rate 2009-2016 (as of 15 April) of the 27 Widerøe aircraft with painted propellers						
No.	A/C Reg.	Type	Included?	Bs/mo. before T/O	Bs/mo. after T/O	Date of technical order (T/O)
1	ILS	A	1	0,19	0,10	28 November 2012
2	WIA	A	1	0,22	0,11	15 May 2012
3	WIB	A	1	0,06	0,00	1 October 2013
4	WIC	A	1	0,08	0,16	4 March 2013
5	WID	A	1	0,08	0,00	19 May 2013
6	WIE	A	1	0,07	0,13	27 November 2012
7	WIF	A	1	0,13	0,14	3 May 2013
8	WIG	A	1	0,11	0,15	12 June 2013
9	WIH	A	1	0,15	0,05	1 August 2014
10	WII	A	1	0,15	0,17	21 April 2012
11	WIJ	A	1	0,02	0,10	22 October 2012
12	WIL	A	1	0,22	0,16	2 March 2013
13	WIM	A	1	0,08	0,14	2 April 2013
14	WIN	A	1	0,14	0,03	23 October 2013
15	WIO	A	1	0,08	0,08	16 December 2012
16	WIP	A	1	0,13	0,11	31 August 2012
17	WIR	A	1	0,09	0,21	2 July 2013
18	WIT	A	1	0,12	0,08	4 March 2013
19	WIU	A	1	0,07	0,13	13 July 2012
20	WIV	A	1	0,10	0,19	23 March 2013
21	WSA	B	0	no data prior to technical order		28 September 2012
22	WSB	B	0	no data prior to technical order		3 May 2012
23	WSC	B	0	no data prior to technical order		15 September 2012
24	WFC	C	1	0,09	0,12	3 October 2012
25	WFD	C	1	0,11	0,10	26 November 2013*
26	WFH	C	1	0,13	0,10	29 December 2012
27	WFO	C	1	0,06	0,05	19 February 2013
28	WFP	C	1	0,05	0,16	24 September 2013
29	WFS	C	1	0,11	0,09	4 October 2012
30	WFT	C	1	0,13	0,13	27 August 2013
31	WFU	C	0	no data prior to technical order		22 October 2012
A/C included			27			
Average				0,11	0,11	preliminary 0,7 % increase
Reduction in bs-rate				12	13	2 A/C had no reduction or increase