

Lunn, J. (2021) The effects of water level management on the breeding bird community of a wet lowland grassland and open water nature reserve. *The Naturalist* 146: 30 - 43.

**Appendix 1: Breeding attempts by waterfowl at Broomhill Flash, 2002-2019**

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mute Swan						1			1	1	1	1	1	1	1	1	1	1
Canada Goose	1	2	1	1	4	4	8	9	7	9	7	4	4	3	1	1	6	3
Greylag Goose													1	1				1
Shelduck			1					1	1									
Mallard		2	4	1	5	5	9	7	7	4	5	6	5	3	3	3	5	2
Teal							1											
Gadwall			1		2	5	3	2	11	2	3	6	7	6	6	6	5	12
Shoveler		1	1			3	1		5			1	1			1	1	
Tufted Duck		3	2	5	3	8	10	7	16	7	3	14	6	5	9	6	11	5
Pochard												1	1	2	3			
Goosander															1			
Ruddy Duck					2	4	3											
Common Tern	1	1	3	2	1													
Lesser Black-backed Gull																		1
Black-headed Gull				1	6	12	15	20	39	16	16	53	60	20	36	48	135	67
Great Crested Grebe															1			
Little Grebe	x	2	6	3	10	9	5	3	5	3	3	10	5	4	5	3	5	3
Coot	x	x	5	5	11	11	6	8	14	6	6	11	15	8	8	5	8	12
Moorhen	x	x	x	x	4	5	7		9	4	2	6	5	4	2	2	5	3
Water Rail									1			1		1	1	1	1	1
Oystercatcher			1		1	1											1	1
Lapwing	3	3	8	9	18	19	27	12	24	17	15	17	19	8	10	15	7	12
Redshank	2	2	2	2	3	5	5	3	4	4	2	1	1	1		1	1	1
Snipe	3	2	3	3	3	3	1	3	4	3	1	3	1	2		1	2	2
Little Ringed Plover		1				2	1	1			1							3
Ringed Plover						1		1										1
<b>TOTAL breeding attempts</b>	<b>10</b>	<b>19</b>	<b>38</b>	<b>32</b>	<b>63</b>	<b>98</b>	<b>102</b>	<b>77</b>	<b>148</b>	<b>76</b>	<b>65</b>	<b>135</b>	<b>132</b>	<b>69</b>	<b>87</b>	<b>94</b>	<b>194</b>	<b>131</b>

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**Appendix 2: Young waterfowl hatched at Broomhill Flash, 2002-2019**

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mute Swan						0			0	0	0	4	4	5	0	6	4	3
Canada Goose	3	9	2	4	15	16	37	29	31	38	34	17	15	9	6	2	19	9
Greylag Goose													2	4				4
Shelduck			8					7	10									
Mallard		17	23	6	27	30	54	29	38	25	33	33	18	9	23	24	33	13
Teal							2											
Gadwall			2		16	35	21	14	71	15	14	28	42	36	26	41	33	65
Shoveler		10	8			12	10		36			8	2			6	10	
Tufted Duck		23	12	27	11	64	57	36	97	44	12	74	32	19	54	33	61	30
Pochard												5	3	12	10			
Goosander															-7			
Ruddy Duck					9	17	9											
Common Tern		3	1	2	0													
Lesser Black-backed Gull																		3
Black-headed Gull				3	18				70	18	17	72	120	40	40	60	200	150
Great Crested Grebe															3			
Little Grebe			6		19	26	11	7	7	9	7	20	8	8	6	5	13	6
Coot			10		36			7	28	10	4	31	38	11	14	11	25	12
Moorhen					8						4	10	10	4	4	4	8	
Water Rail									1			1		1				
Oystercatcher					0	1											1	0
Lapwing												23	20				7	9
Redshank	1			2	2	2	3	5	6	3		1		2		1	1	0
Snipe																		
Little Ringed Plover						0	3											9
Ringed Plover						0		1										0
<b>TOTAL young hatched</b>	<b>4</b>	<b>62</b>	<b>72</b>	<b>44</b>	<b>161</b>	<b>201</b>	<b>204</b>	<b>135</b>	<b>395</b>	<b>162</b>	<b>125</b>	<b>327</b>	<b>314</b>	<b>160</b>	<b>186</b>	<b>193</b>	<b>415</b>	<b>313</b>