



fledged eaglets in each nest size. The first page of the table gives numbers for clutches of eggs, which includes second clutches. The second page gives numbers for broods of eaglets and fledge.

The figures in the table refer to **the number of clutches or broods** a particular size (1-hatch or 1-fledge clutches, 2-egg or 2-fledge clutches etc) **not to numbers of individual eggs, chicks or fledge**

in reference to a
in which all eggs

TABLE 2

Click on the Pop-Out button to open in a new tab.

TABLE 2
SUCCESS RATES OF CLUTCHES AND BROODS
AT WILD BALD EAGLE NESTS, 2006-2020

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CLUTCHES and HATCHES														TOTAL	SUCCESSFUL CLUTCHES OF EACH SIZE / NESTS EACH YEAR	TOTAL SUCCESSFUL CLUTCHES / NESTS EACH YEAR			
YEAR	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020				
A "successful" clutch is one where <i>at least 1 egg hatched</i> to form a brood, totals are in bold .																			
A "perfect" clutch is one where <i>all eggs hatched</i> , highlighted in orange.																			
0-hatch clutches are <i>unsuccessful</i> , totals are in <i>italics</i> and not included in clutch totals.																			
1-egg nests	1		1	1				2	4	3	1	4	6		3	27			
0-hatch clutches			1					1	3	2		1	4		3	15			
1-hatch clutches	1			1	1			1	1	1	1	3	2			12	44.4%		
TOTAL SUCCESSFUL	1			1	1			1	1	1	1	3	2		12		44.4%		
2-egg nests	4	10	10	11	12	14	15	17	13	19	22	22	24	27	24	244			
0-hatch clutches	1		1	1	1	2		3		5	3	1	2	4	6	<i>30</i>			
1-hatch clutches	2	4	2		3	4	1	3	4	3	3	5	3	3	3	43	17.6%		
2-hatch clutches	1	6	7	10	8	8	14	11	9	11	16	16	19	20	15	171	70.1%		
TOTAL SUCCESSFUL	3	10	9	10	11	12	15	14	13	14	19	21	22	23	18	214		87.7%	
3-egg nests	1	3	6	8	5	8	8	6	10	12	11	12	16			126			
0-hatch clutches								1	1		1	1		1	5				
1-hatch clutches	1	1	2									1	1	1		7	5.6%		
2-hatch clutches	1	2		2	2	1	1	4	1	4	3	2	5	6		34	27.0%		
3-hatch clutches	1	1	3	6	3	6	7	6	7	5	6	8	7	6	8	80	63.5%		
TOTAL SUCCESSFUL	1	3	6	8	5	8	8	7	11	6	10	11	10	12	15	121		96.0%	
4-egg nests					1	1	1									3			
0-hatch clutches																			
1-hatch clutches							1									1	33.3%		
2-hatch clutches																			
3-hatch clutches																			
4-hatch clutches								1	1							2	66.7%		
TOTAL SUCCESSFUL					1	1	1								3		100.0%		

TOTAL	31	7	10	17	12	15	21	19	17	17	23	27	28	26	23	265	
% perfect	50.0%	53.8%	58.8%	85.0%	63.2%	65.2%	91.3%	67.9%	58.6%	60.7%	69.7%	69.2%	68.3%	66.7%	53.5%		
																66.1%	

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TABLE 2
SUCCESS RATES OF CLUTCHES AND BROODS
AT WILD BALD EAGLE NESTS, 2006-2020

- 1-egg clutches averaged a 11.1% success rate, which is the same percentage for perfect clutches, since only 1 egg involved.
- 2-egg clutches averaged a much higher success rate of 87.7% with 70.1% perfect with 2 eggs hatched.
- 3-egg clutches averaged an eye-popping 96% success rate, with 63.5% perfect with 3 eggs hatched.
- 4-egg clutches hit the jackpot with a 100% success rate, 2 of 3 of which (66.7%) were perfect with all 4 eggs hatched.

The low success rate of 1-egg clutches can be attributed at least

fledges (p. s in Table 2

broods of fledged eaglets, and 46.9% resulted in

rates of fledged eaglets.

- 2-egg clutches averaged 77% successful, with 50.8% perfect with 2 eaglets fledged.
- 3-egg clutches averaged 85.7% successful, with 42.9% perfect with 3 eaglets fledged.
- 4-egg clutches were 100% successful in producing fledglings but only 1 out of 3 clutches, or 33.3%, resulted in a perfect 4 fledged eaglets.

Comparing the success rates of broods of eaglets with success rates of clutches of eggs illustrates well the challenges that hatchling nestlings and their parents face in achieving the full development and growth from hatch to fledge. In all except 4-egg clutches, the percentage of successful **broods** dropped by a little over 10 points from the percentage of successful **clutches**.

- 1-egg nests had 44.4% successful **clutches** but only 33.3% successful **broods**.
- 2-egg nests had 87.7% successful **clutches** but only 77.0% successful **broods**.
- 3-egg nests had 96% successful **clutches** but only 85.7% successful **broods**.
- 4-egg nests had a 100% successful rate for both **clutches** and **broods**.

As noted in the discussion of Table 1, some fledges could not be confirmed. In **Table 2** where the numbers refer to **clutches** and **broods** rather than to individual eggs or eaglets, a nest where at least 1 eaglet's fledge is not confirmed is counted in the unconfirmed row, even if at least 1 eaglet did fledge.

Table 2, like Table 1, shows that **numbers** can fluctuate up and down from one year to the next, and there is no clear trend in either direction.

- but 2020 was below average with 76.7%.
- Perfect clutches ranged from a low of 50% in 2012 to a high of 91.3% in 2012. 2019 was slightly above average at 76.7%.

- **Successful broods** were at a low 50% in 2006, with a high 87% in 2011. 2019 was well above average with 84.6% successful, while 2020 fell slightly below average with 72.1%
- **Perfect broods** were low in 2006 with 33.3%, but very high in 2011 at 75.0%.

perfect scores, and 2020 was at the lower end of the range with 39.5%.

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MEASURING ADULT, SUBADULT, AND JUVENILE BALD EAGLES

MEASUREMENTS TABLE

ADULT AND JUVENILE MEASUREMENTS TABLE

MEASURING AN EAGLE: REFERENCES

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