

# 2021 Nebraska Draw Results

## General Bull Elk

In 2021, 5,254 Nebraska residents submitted 5,102 applications (152 buddy applications) for 150 bull elk permits. This was a 7% increase in applications over 2020. 431 individuals purchased elk bonus points.

Bull elk drawing data were calculated using First Choice options only. High demand units are represented with the most accuracy as 95% of awarded permits were from First Choice options. See Table 6 for breakdown of First and Second Choice distribution.

Table 1. General Bull Elk applicants by bonus point pool.

Unit	0	1	2	3	4	5	6	7	Total
2021 Ash Creek Bull-Elk	81	51	54	42	24	33	21	19	325
2021 Bordeaux Bull-Elk	175	101	81	68	53	52	50	68	648
2021 Box Elder Bull-Elk	397	243	226	179	137	136	124	153	1595
2021 Hat Creek Bull-Elk	232	162	149	120	114	72	99	77	1025
2021 Niobrara East Bull-Elk	112	53	41	26	11	12	6	9	270
2021 Niobrara West Bull -Elk	93	69	57	34	28	24	15	13	333
2021 North Platte River Bull-Elk	231	141	125	93	98	67	73	78	906
<b>Total</b>	<b>1321</b>	<b>820</b>	<b>733</b>	<b>562</b>	<b>465</b>	<b>396</b>	<b>388</b>	<b>417</b>	<b>5102</b>

Table 2. Successful applicants from each point pool of applicants and total general permits issued.

Unit	0	1	2	3	4	5	6	7	Total
2021 Ash Creek Bull-Elk	1		3*	2	3	1		1	12
2021 Bordeaux Bull-Elk	2	2	3	3	3	1	5	7	26
2021 Box Elder Bull-Elk	2	2	2	3	3	3	2	3	20
2021 Hat Creek Bull-Elk	2*	2	1		4	2*	2	4*	20
2021 Niobrara East Bull-Elk	3	3	2		1	1	1	1	12
2021 Niobrara West Bull -Elk	4	2	4	2	1	3	2	2	20
2021 North Platte River Bull-Elk	5	3	3	2	4	4	9	10	40
Total	19*	14	18*	12	19	15*	21	28*	150

\*Totals do not include awarded successful buddy permit. 4 total successful buddy applications.

Table 3. Mathematical odds of drawing for each unit and point pool of applicants.

Unit	0	1	2	3	4	5	6	7
2021 Ash Creek Bull-Elk	1: 94	47	31	24	19	16	13	12
2021 Bordeaux Bull-Elk	91	45	30	23	18	15	13	11
2021 Box Elder Bull-Elk	294	147	98	73	59	49	42	37
2021 Hat Creek Bull-Elk	190	95	63	47	38	32	27	24
2021 Niobrara East Bull-Elk	57	29	19	14	11	10	8	7
2021 Niobrara West Bull -Elk	52	26	17	13	10	9	7	6
2021 North Platte River Bull-Elk	82	41	27	21	16	14	12	10
Overall	124	62	41	31	25	21	18	16

Table 4. Analysis of bonus drawing system, including total applicants, mean bull drawing number, percentile rank, expected vs actual drawing probabilities, expected and actual permit distributions by bonus point pool. Expected data if completely random drawing is included for comparison.

<b>2021 Drawing Data</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Total applications	1321	820	733	562	465	396	388	417
Average Bull Drawing Number	3970	3212	2690	2390	2013	1803	1598	1568
Average Bull Number Percentile rank	67%	54%	45%	40%	34%	30%	27%	26%
Mathematical drawing probability	0.8%	1.6%	2.4%	3.2%	4.0%	4.8%	5.6%	6.4%
Actual percent drawing success	1.4%	1.7%	2.5%	2.1%	4.1%	3.8%	5.4%	6.7%
Expected permit distribution	10.9	13.5	18.2	18.6	19.2	19.6	22.4	27.6
Actual permit distribution	19	14	18	12	19	15	21	28
If single chance random draw was used:								
- Drawing probability	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%
- Mathematical difference to random	-72%	-44%	-16%	12%	40%	69%	97%	125%
- Actual difference to random	-50%	-40%	-14%	-25%	43%	32%	89%	135%
- Expected random permit distribution	25.4	15.8	14.1	10.8	8.9	7.6	7.5	8.0
- Permit distribution difference	-6.4	-1.8	3.9	1.2	10.1	7.4	13.5	20.0

Table 5. Results of First and Second Choice for Bull Permits.

<b>Unit</b>	<b>AWARDED FIRST CHOICE</b>	<b>AWARDED SECOND CHOICE</b>
Ash Creek Bull	11	
Bordeaux Bull	24	2
Box Elder Bull	20	
Hat Creek Bull	17	
Niobrara East Bull	11	1
Niobrara West Bull	20	
North Platte River Bull	40	
Grand Total	143	3

Table 6. Matrix of applicant choices between Bull and Antlerless permits. In 2021, 70% of applicants made no second choice selection (71-74% in 2018-2020) and 14% of applicants selected only antlerless options (13-14% 2018-2020). Percent of total applicants from each category are in parenthesis.

		<b>SECOND CHOICE</b>		
		<b>BULL</b>	<b>ANTLERLESS</b>	<b>BLANK</b>
<b>FIRST CHOICE</b>	<b>BULL</b>	490 (8%)	1098 (19%)	3514 (59%)
	<b>ANTLERLESS</b>	46 (1%)	128 (2%)	642 (11%)

## General Antlerless Elk

In 2021, Nebraskans submitted 1,888 applications for 414 General Antlerless Elk permits. Antlerless Elk drawing data were calculated using those applicants that selected an Antlerless as a first choice and those unsuccessful Bull applicants that had an antlerless as a second choice option.

Table 7. Odds of drawing General Antlerless Elk permits.

Unit	Applications	Issued	Odds
2021 Ash Creek Early Antlerless-Elk	35	15	1: 2.3
2021 Ash Creek Late Antlerless-Elk	78	25	3.1
2021 Bordeaux Early Antlerless-Elk	79	25	3.2
2021 Bordeaux Late Antlerless-Elk	161	35	4.6
2021 Box Elder Early Antlerless-Elk	285	25	11.4
2021 Box Elder Late Antlerless-Elk	296	25	11.8
2021 Hat Creek Early Antlerless-Elk	134	20	6.7
2021 Hat Creek Late Antlerless-Elk	141	30	4.7
2021 Niobrara East Antlerless-Elk	144	34	4.2
2021 Niobrara West Early Antlerless-Elk	118	50	2.4
2021 Niobrara West Late Antlerless-Elk	107	30	3.6
2021 North Platte River Early Antlerless-Elk	192	70	2.7
2021 North Platte River Late Antlerless-Elk	118	30	3.9
Total/Overall	1888	414	1: 4.6

Table 8. Success of First and Second Choice for General Antlerless Elk.

Unit	AWARDED FIRST CHOICE	AWARDED SECOND CHOICE
2021 Ash Creek Early Antlerless-Elk	7	7
2021 Ash Creek Late Antlerless-Elk	7	17
2021 Bordeaux Early Antlerless-Elk	12	12
2021 Bordeaux Late Antlerless-Elk	18	16
2021 Box Elder Early Antlerless-Elk	8	17
2021 Box Elder Late Antlerless-Elk	7	18
2021 Hat Creek Early Antlerless-Elk	8	10
2021 Hat Creek Late Antlerless-Elk	13	15
2021 Niobrara East Antlerless-Elk	14	19
2021 Niobrara West Early Antlerless-Elk	27	21
2021 Niobrara West Late Antlerless-Elk	13	16
2021 North Platte River Early Antlerless	41	28
2021 North Platte River Late Antlerless	13	15
Total/Overall	188	211

## Limited Landowner Bull Elk

Table 9. Number of applicants by unit and preference point pool for Limited Landowner Bull Elk permits. Resident landowners are awarded 1 point and nonresident landowners are awarded 0.9 preference points in unsuccessful drawings. 9 landowners purchased elk preference points

Unit	0	0.9	1	1.8	2	2.7	2.8	2.9	3	3.6	4	5	6	Grand Total
2021 Ash Creek Bull-Elk	4		4		3				5					16
2021 Bordeaux Bull-Elk	27	1	11		13	2			10	4	11	8	2	89
2021 Box Elder Bull-Elk	25	1	21		15			1	7		4	6		80
2021 Hat Creek Bull-Elk	21		13	1	11	2	1		10		6			65
2021 Niobrara East Bull-Elk	15		10		7				2					34
2021 Niobrara West Bull-Elk	26		12		1				3		1			43
2021 North Platte River Bull-Elk	19		18	1	15	1			4					58
Total	137	2	89	2	65	5	1	1	41	4	22	14	2	385

Table 10. Number successful by unit and preference point pool for Limited Landowner Bull Elk permits.

Unit	0	0.9	1	1.8	2	2.7	2.8	2.9	3	3.6	4	5	6	Grand Total
2021 Ash Creek Bull-Elk	-	-	-	-	1	-	-	-	5	-	-	-	-	6
2021 Bordeaux Bull-Elk	-	-	-	-	-	-	-	-	-	-	3	8	2	13
2021 Box Elder Bull-Elk	-	-	-	-	-	-	-	-	-	-	4	6	-	10
2021 Hat Creek Bull-Elk	-	-	-	-	-	-	-	-	4	-	6	-	-	10
2021 Niobrara East Bull-Elk	-	-	-	-	4	-	-	-	2	-	-	-	-	6
2021 Niobrara West Bull-Elk	-	-	5	-	1	-	-	-	3	-	1	-	-	10
2021 North Platte River Bull-Elk	-	-	-	-	15	1	-	-	4	-	-	-	-	20
Total	-	-	5	-	21	1	-	-	18	-	14	14	2	75

Table 11. Percent drawing success by unit and preference point pool for Limited Landowner Bull Elk permits.

Unit	0	0.9	1	1.8	2	2.7	2.8	2.9	3	3.6	4	5	6
2021 Ash Creek Bull-Elk	0%	-	0%	-	33%	-	-	-	100%	-	-	-	-
2021 Bordeaux Bull-Elk	0%	0%	0%	-	0%	0%	-	-	0%	0%	27%	100%	100%
2021 Box Elder Bull-Elk	0%	0%	0%	-	0%	-	-	0%	0%	-	100%	100%	-
2021 Hat Creek Bull-Elk	0%	-	0%	0%	0%	0%	0%	-	40%	-	100%	-	-
2021 Niobrara East Bull-Elk	0%	-	0%	-	57%	-	-	-	100%	-	-	-	-
2021 Niobrara West Bull-Elk	0%	-	42%	-	100%	-	-	-	100%	-	100%	-	-
2021 North Platte River Bull-Elk	0%	-	0%	0%	100%	100%	-	-	100%	-	-	-	-

## Limited Landowner Antlerless Elk

Table 12. Applicants, permits issued and odds of drawing for Limited Landowner Bull Antlerless permits.

Unit	Applicants	Quota	Odds
2021 Ash Creek Antlerless-Elk	14	20	1:0.7
2021 Bordeaux Antlerless-Elk	74	30	1:2.5
2021 Box Elder Antlerless-Elk	69	25	1:2.8
2021 Hat Creek Antlerless-Elk	47	25	1:1.9
2021 Niobrara East Antlerless-Elk	31	17	1:1.8
2021 Niobrara West Antlerless-Elk	44	40	1:1.1
2021 North Platte River Antlerless-Elk	48	50	1:1.0

## MDCA Deer

In 2021, 3818 Nebraskans submitted 3657 applications (161 buddy applications) and 1199 nonresidents submitted 1103 applications (96 buddy applications) for MDCA deer permits. 69 residents and 204 nonresidents purchased deer preference points.

Table 13. Number of applicants, permits issued and overall drawing success. Includes 294 “Buddy” applicants in totals.

Unit	Applications	Available	Percent Drawn*
Resident Frenchman MDCA	2552	1840	70%
NonResident Frenchman MDCA (8% Quota)	758	160	20%
Resident Platte MDCA	1135	1190	100%
NonResident Platte MDCA (15% Quota)	345	210	55%

\*Percent Drawn won't equal Available/Applications due to buddy permits.

Table 14. First Choice Resident deer applications by preference point pool.

Unit	0	1	2	Total
Resident Frenchman MDCA	1942	577	3	2552
Resident Platte MDCA	1021	114		1135

Table 15. Draw probabilities by Resident applicant preference point pool.

Unit	0	1	2
Resident Frenchman MDCA	60%	100%	100%
Resident Platte MDCA	101%	100%	-

\*Draw odds are greater than 100% due to successful second choice applications.

Table 16. First Choice Nonresident deer applications by preference point pool.

Unit	0	1	2	3	Total
NonResident Frenchman MDCA	406	259	92	1	758
NonResident Platte MDCA	265	80	-	-	345

Table 17. Draw probabilities by Nonresident applicant preference point pool.

Unit	0	1	2	3
NonResident Frenchman MDCA	0%	23%	100%	100%
NonResident Platte MDCA	38%	111%	-	-

\*Draw odds are greater than 100% due to successful second choice applications.

## General Antelope

There were 4667 individuals that submitted 4091 applications (576 buddy applications) for 776 limited quota antelope permits. 581 individuals purchase antelope preference points.

Table 18. Total First Choice applications for 2021 Firearm Antelope permits broken down by unit and preference point pool.

Unit	0	1	2	3	4	5	6	7	Total
2021 Firearm-Banner North-Antelope	128	98	91	65	2	-	-	-	384
2021 Firearm-Banner South-Antelope	111	105	102	58	6	3	-	-	385
2021 Firearm-Box Butte East-Antelope	53	29	35	15	2	1	-	-	135
2021 Firearm-Box Butte West-Antelope	132	88	56	56	47	3	-	-	382
2021 Firearm-Cherry-Antelope	134	82	87	55	2	-	-	-	360
2021 Firearm-Cheyenne-Antelope	82	71	45	47	9	1	-	-	255
2021 Firearm-Dismal-Antelope	79	67	54	38	13	1	-	-	252
2021 Firearm-Eastern Sandhills-Antelope	30	27	21	16	-	-	-	-	94
2021 Firearm-Garden-Antelope	81	58	67	51	28	-	-	-	285
2021 Firearm-North Sioux-Antelope	220	193	176	144	100	90	-	-	923
2021 North Sioux Muzzleloader-Antelope	48	35	34	35	32	23	5	1	213
2021 Prairie Muzzleloader-Antelope	119	104	121	69	9	1	-	-	423
<b>Total Applications</b>	<b>1217</b>	<b>957</b>	<b>889</b>	<b>649</b>	<b>250</b>	<b>123</b>	<b>5</b>	<b>1</b>	<b>4091</b>

Table 19. Draw success of First Choice applicants by unit and preference point pool.

Unit	0	1	2	3	4	5	6	7	Total Permits Issued
2021 Firearm-Banner North-Antelope	0%	0%	15%	103%	100%	-	-	-	90
2021 Firearm-Banner South-Antelope	0%	0%	6%	105%	100%	100%	-	-	90
2021 Firearm-Box Butte East-Antelope	0%	0%	43%	107%	150%	100%	-	-	40
2021 Firearm-Box Butte West-Antelope	0%	0%	0%	2%	104%	100%	-	-	60
2021 Firearm-Cherry-Antelope	0%	0%	16%	102%	50%	-	-	-	80
2021 Firearm-Cheyenne-Antelope	0%	0%	0%	53%	100%	100%	-	-	40
2021 Firearm-Dismal-Antelope	0%	0%	0%	55%	108%	100%	-	-	40
2021 Firearm-Eastern Sandhills-Antelope	0%	0%	5%	100%	-	-	-	-	20
2021 Firearm-Garden-Antelope	0%	0%	0%	43%	100%	-	-	-	50
2021 Firearm-North Sioux-Antelope	0%	0%	0%	0%	0%	88%	-	-	110
2021 North Sioux Muzzleloader-Antelope	0%	0%	0%	0%	0%	78%	100%	100%	28
2021 Prairie Muzzleloader-Antelope	0%	0%	26%	110%	100%	100%	-	-	128

\*Draw odds that are greater than 100% are due to successful second choice applications.