

# 2022 Nebraska Draw Results

## General Bull Elk

In 2022, 5,136 Nebraska residents submitted 4,998 applications (138 buddy applications) for 128 bull elk permits. This was a 1.5% decrease in applications from 2021. 600 individuals purchased elk bonus points, up from 431 in 2021.

Bull elk drawing data were calculated using First Choice options only. High demand units are represented with the most accuracy as 94% of awarded permits were from First Choice options. See Table 6 for breakdown of First and Second Choice distribution.

Table 1. 2022 General Bull Elk applicants by bonus point pool.

Unit	0	1	2	3	4	5	6	7	8	Total
Ash Creek Bull	69	57	45	40	33	29	24	20	21	338
Bordeaux Bull	115	112	79	67	58	44	49	39	50	613
Box Elder Bull	328	273	195	200	153	119	110	104	131	1613
Hat Creek Bull	175	162	108	100	89	86	69	83	62	934
Niobrara East Bull	94	64	29	32	23	14	14	6	10	286
Niobrara West Bull	117	60	47	43	33	25	22	16	9	372
North Platte River Bull	187	132	111	92	75	68	55	55	67	842
<b>Total</b>	<b>1085</b>	<b>860</b>	<b>614</b>	<b>574</b>	<b>464</b>	<b>385</b>	<b>343</b>	<b>323</b>	<b>350</b>	<b>4998</b>

Table 2. 2022 General Bull Elk successful applicants from each point pool of applicants and total general permits issued.

Unit	0	1	2	3	4	5	6	7	8	Total
Ash Creek Bull	0	0	1	1	0	2	4*	1	1	10
Bordeaux Bull	2*	2	2	0	3	1	2	1	7	20
Box Elder Bull	1	0	1	3	3	2	2	4	4	20
Hat Creek Bull	2	2	2	1	2	1	3	0	3	16
Niobrara East Bull	1	4	3	1	0	3	3	0	1	16
Niobrara West Bull	0	4	2	3	1	2	2	1	1	16
North Platte River Bull	2	1	4	3*	3	5	3	5	4	30
<b>Total</b>	<b>8</b>	<b>13</b>	<b>15</b>	<b>13</b>	<b>12</b>	<b>16</b>	<b>19</b>	<b>12</b>	<b>21</b>	<b>128</b>

\*Totals include awarded successful buddy permit. 3 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	8
Ash Creek Bull	1: 133	67	44	33	27	22	19	17	15
Bordeaux Bull	125	62	42	31	25	21	18	16	14
Box Elder Bull	325	163	108	81	65	54	46	41	36
Hat Creek Bull	242	121	81	61	48	40	35	30	27
Niobrara East Bull	54	27	18	14	11	9	8	7	6
Niobrara West Bull	77	38	26	19	15	13	11	10	9
North Platte River Bull	112	56	37	28	22	19	16	14	12
<b>Overall</b>	<b>154</b>	<b>77</b>	<b>51</b>	<b>38</b>	<b>31</b>	<b>26</b>	<b>22</b>	<b>19</b>	<b>17</b>

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.

Drawing Data	0	1	2	3	4	5	6	7	8
Total applicants	1085	860	614	574	464	385	343	323	350
Average Bull Drawing Number	3960	3254	2747	2425	2150	1857	1678	1598	1413
Average Bull Number Percentile rank	69%	57%	48%	42%	37%	32%	29%	28%	25%
Mathematical drawing probability	0.6%	1.3%	1.9%	2.6%	3.2%	3.9%	4.5%	5.2%	5.8%
Actual percent drawing success	0.6%	1.5%	2.4%	1.9%	2.6%	4.2%	5.2%	3.7%	6.0%
Expected permit distribution	8.0	12.7	13.6	17.0	17.2	17.1	17.8	19.1	23.3
Actual permit distribution	8	13	15	12	12	16	19	12	21
If single chance random draw was used:									
- Drawing probability	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%
- Mathematical difference to random	-75%	-49%	-24%	1%	27%	52%	78%	103%	128%
- Actual difference to random	-75%	-41%	-4%	-25%	2%	63%	106%	46%	136%
- Expected random permit distribution	27.8	22.0	15.7	14.7	11.9	9.9	8.8	8.3	9.0
- Permit distribution difference	-19.8	-9.0	-0.7	-2.7	+0.1	+6.1	+10.2	+3.7	+12.0

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

Unit	AWARDED FIRST CHOICE	AWARDED SECOND CHOICE
Ash Creek Bull	8	1
Bordeaux Bull	18	1
Box Elder Bull	20	
Hat Creek Bull	15	1
Niobrara East Bull	15	1
Niobrara West Bull	15	1
North Platte River Bull	26	3
Grand Total	117	8

Table 6. Matrix of applicant choices between Bull and Antlerless permits. In 2022, 69% of applicants made no second choice selection (70-74% in 2018-2021) and 13% of applicants selected only antlerless options (13-14% 2018-2021). Percent of total applicants from each category are in parenthesis.

		SECOND CHOICE		
		BULL	ANTLERLESS	BLANK
FIRST CHOICE	BULL	574 (10%)	1049 (18%)	3401 (59%)
	ANTLERLESS	45 (1%)	126 (2%)	576 (10%)

## General Antlerless Elk

In 2022, Nebraskans submitted 1,796 applications for 426 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 2022 General Antlerless Elk permits.

Unit	Applications	Issued	Draw Success	Odds
Ash Creek Early Antlerless	43	15	35%	1: 2.9
Ash Creek Late Antlerless	111	25	23%	4.4
Bordeaux Early Antlerless	79	25	32%	3.2
Bordeaux Late Antlerless	150	35	23%	4.3
Box Elder Early Antlerless	301	30	10%	10.0
Box Elder Late Antlerless	322	30	9%	10.7
Hat Creek Early Antlerless	112	20	18%	5.6
Hat Creek Late Antlerless	141	30	21%	4.7
Niobrara East Antlerless	133	36	27%	3.7
Niobrara West Early Antlerless	123	50	41%	2.5
Niobrara West Late Antlerless	112	30	27%	3.7
North Platte River Early Antlerless	179	70	39%	2.6
North Platte River Late Antlerless	96	30	31%	3.2
<b>Total/Overall</b>	<b>1902</b>	<b>426</b>	<b>22%</b>	<b>4.5</b>

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

Unit	AWARDED FIRST CHOICE	AWARDED SECOND CHOICE
Ash Creek Early Antlerless	9	5
Ash Creek Late Antlerless	9	16
Bordeaux Early Antlerless	11	14
Bordeaux Late Antlerless	15	19
Box Elder Early Antlerless	8	22
Box Elder Late Antlerless	8	21
Hat Creek Early Antlerless	10	10
Hat Creek Late Antlerless	13	16
Niobrara East Antlerless	15	21
Niobrara West Early Antlerless	29	20
Niobrara West Late Antlerless	15	15
North Platte River Early Antlerless	31	38
North Platte River Late Antlerless	8	21
<b>Total/Overall</b>	<b>181</b>	<b>238</b>

## Limited Landowner Bull Elk

Table 9. Number of applicants by unit and preference point pool for 2022 Limited Landowner Bull Elk permits. Resident landowners are awarded 1 point and nonresident landowners are awarded 0.9 preference points in unsuccessful drawings. 15 landowners purchased elk preference points

Unit	0	0.9	1	1.8	2	2.7	3	3.6	3.9	4	4.5	5	Grand Total
Ash Creek Bull	2	-	2	-	3	-	2	-	-	1	-	-	10
Bordeaux Bull	30	1	17	2	11	-	15	2	-	10	2	10	100
Box Elder Bull	40	-	15	1	16	-	12	-	1	8	-	-	93
Hat Creek Bull	10	3	10	1	12	2	10	1	-	6	-	-	55
Niobrara East Bull	19	-	4	-	5	-	3	-	-	-	-	-	31
Niobrara West Bull	19	1	23	-	3	-	-	-	-	-	-	-	46
North Platte River Bull	14	3	16	-	12	2	-	-	-	-	-	-	47
Total	134	8	87	4	62	4	42	3	1	25	2	10	382

Table 10. Number successful by unit and preference point pool for 2022 Limited Landowner Bull Elk permits.

Unit	0	0.9	1	1.8	2	2.7	3	3.6	3.9	4	4.5	5	Grand Total
Ash Creek Bull	-	-	1	-	3	-	2	-	-	1	-	-	7
Bordeaux Bull	-	-	-	-	-	-	-	-	-	3	2	10	15
Box Elder Bull	-	-	-	-	-	-	6	-	1	8	-	-	15
Hat Creek Bull	-	-	-	-	-	-	5	1	-	6	-	-	12
Niobrara East Bull	-	-	4	-	5	-	3	-	-	-	-	-	12
Niobrara West Bull	-	-	9	-	3	-	-	-	-	-	-	-	12
North Platte River Bull	-	-	7	1	12	2	-	-	-	-	-	-	22
Total	-	-	21	1	23	2	16	1	1	18	2	10	95

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	3	3.6	3.9	4	4.5	5
Ash Creek Bull	-	-	50%	-	100%	-	100%	-	-	100%	-	-
Bordeaux Bull	-	-	-	-	-	-	-	-	-	30%	100%	100%
Box Elder Bull	-	-	-	-	-	-	50%	-	100%	100%	-	-
Hat Creek Bull	-	-	-	-	-	-	50%	100%	-	100%	-	-
Niobrara East Bull	-	-	100%	-	100%	-	100%	-	-	-	-	-
Niobrara West Bull	-	-	39%	-	100%	-	-	-	-	-	-	-
North Platte River Bull	-	-	44%	-	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
Ash Creek Antlerless	18	30	1: 0.6
Bordeaux Antlerless	96	45	2.1
Box Elder Antlerless	86	45	1.9
Hat Creek Antlerless	55	37	1.5
Niobrara East Antlerless	29	27	1.1
Niobrara West Antlerless	52	60	0.9
North Platte River Antlerless	59	75	0.8

## MDCA Deer

In 2022, 3679 Nebraskans submitted 3536 applications (142 buddy applications) and 1,033 nonresidents submitted 946 applications (87 buddy applications) for MDCA deer permits. 111 residents and 298 nonresidents purchased deer preference points.

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

Unit	Applications	Permits Available	Percent Drawn*
Resident Frenchman MDCA	2380	1472	62%
NonResident Frenchman MDCA (8% Quota)	624	128	21%
Resident Platte MDCA	1156	850	74%
NonResident Platte MDCA (15% Quota)	322	150	47%

\*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	1828	545	7	2380
Resident Platte MDCA	1111	44	1	1156

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

Unit	0	1	2
Resident Frenchman MDCA	47%	100%	100%
Resident Platte MDCA	70%	100%	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	312	187	123	2	624
NonResident Platte MDCA	240	78	4	-	322

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

Unit	0	1	2	3
NonResident Frenchman MDCA	0%	0%	93%	100%
NonResident Platte MDCA	12%	138%	100%	-

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

## General Antelope

There were 4,409 individuals that submitted 3,863 applications (546 buddy applications) for 745 limited quota antelope permits. 717 individuals purchase antelope preference points.

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

Unit	0	1	2	3	4	5	6	7	Total
Firearm-Banner North-Antelope	118	85	84	69	6	3	-	-	365
Firearm-Banner South-Antelope	109	91	91	75	8	1	-	-	375
Firearm-Box Butte East-Antelope	29	28	14	20	4	-	-	-	95
Firearm-Box Butte West-Antelope	104	102	66	44	42	5	-	-	363
Firearm-Cherry-Antelope	106	99	65	64	4	1	-	-	339
Firearm-Cheyenne-Antelope	66	61	51	28	13	-	-	-	220
Firearm-Dismal-Antelope	87	63	60	51	18	1	-	-	280
Firearm-Eastern Sandhills-Antelope	36	24	21	11	1	2	-	-	95
Firearm-Garden-Antelope	79	61	56	55	22	-	-	-	273
Firearm-North Sioux-Antelope	233	173	161	148	108	63	10	1	897
North Sioux Muzzleloader-Antelope	34	35	30	22	23	20	6	-	170
Prairie Muzzleloader-Antelope	127	101	77	76	9	1	-	-	391
<b>Total Applications</b>	<b>1128</b>	<b>923</b>	<b>776</b>	<b>663</b>	<b>258</b>	<b>97</b>	<b>16</b>	<b>1</b>	<b>3863</b>

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

Unit	0	1	2	3	4	5	6	7	Permits Issued
Firearm-Banner North-Antelope	0%	0%	0%	103%	100%	100%	-	-	90
Firearm-Banner South-Antelope	0%	0%	0%	88%	100%	100%	-	-	90
Firearm-Box Butte East-Antelope	0%	0%	0%	105%	125%	-	-	-	30
Firearm-Box Butte West-Antelope	0%	0%	0%	0%	102%	100%	-	-	60
Firearm-Cherry-Antelope	0%	0%	2%	106%	100%	100%	-	-	80
Firearm-Cheyenne-Antelope	0%	0%	0%	86%	100%	-	-	-	40
Firearm-Dismal-Antelope	0%	0%	0%	33%	100%	100%	-	-	40
Firearm-Eastern Sandhills-Antelope	0%	0%	14%	109%	100%	100%	-	-	20
Firearm-Garden-Antelope	0%	0%	0%	45%	100%	-	-	-	50
Firearm-North Sioux-Antelope	0%	0%	0%	0%	3%	102%	100%	100%	100
North Sioux Muzzleloader-Antelope	0%	0%	0%	0%	0%	65%	100%	-	20
Prairie Muzzleloader-Antelope	0%	0%	38%	103%	122%	100%	-	-	125

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