

LD 544

ADDITIONAL INFORMATION

from DIFW

2020 MAINE MOOSE PERMIT ALLOCATION LOTTERY

The major features of the Maine Moose Permit Lottery are defined by Law: Title 12.11154

The number of permits in each Wildlife District is established by the commissioner, based upon input from the State Biologists and the Advisory Committee.

Year	Total Permits	Resident Permits	Resident Apps	Resident Bonus Points Only	Resident Chances	Resident Odds	NonRes Permits	NonRes Apps	NonRes Bonus Points Only	NonRes Chances	NonRes Odds	Auction Permits	Hunting Lodge Permits
2020	3,078	2,828	39,993*	5,103*	203,869*	1:72	250	16,577*	3,688*	346,883*	1:1,388	10	57
2019	2,770	2,546	36,616*	4,217*	189,818*	1:75	224	15,326*	3,026*	316,461*	1:1,413	10	50
2018	2,500	2,259	35,553*	3,843*	182,436*	1:81	241	14,812*	2,933*	293,243*	1:1,217	10	
2017	2,080	1,880	34,156*	4,008*	174,754*	1:93	200	13,292*	2,463*	260,064*	1:1,300	10	
2016	2,140	1,935	35,062*	3,628*	171,461*	1:89	205	13,803*	2,336*	252,398*	1:1231	10	
2015	2,740	2,472	34,288*	3,239*	172,198*	1:70	268	12,883*	1,964*	266,496*	1:994	10	
2014	3,095	2,795	35,132*	3,287*	182,955	1:66	300	13,327*	1,831*	224,431	1:748	10	
2013	4,110	3,708	38,564*	1,749*	199,648	1:54	402	14,040*	1,593*	214,245	1:532	10	
2012	3,725	3,362	39,681		221,147	1:66	363	14,657		205,573	1:566	10	
2011	3,862	3,486	36,527		264,592	1:76	376	13,360		156,426	1:416	10	
2010	3,140	2,832	37,012		270,511	1:95	308	12,717		148,223	1:481	10	
2009	3,015	2,720	40,959		302,870	1:111	295	15,652		179,183	1:607	10	
2008	3,015	2,720	46,313		325,886	1:119	295	18,137		201,236	1:682	10	
2007	2,880	2,597	46,570		323,704	1:125	283	18,520		199,518	1:705	7	

* Starting in 2013 Applicant Counts and Chances do not include Points Only applications
The commissioner may also auction up to 10 permits for the Youth Conservation Camp.
No more than 8% of the permits in each District are allocated to Non-Resident Hunters.

Purchased Chances:

Residents can buy 1, chance

Non-Residents can buy 1, 3, 6 or unlimited number of chances in blocks of ten.

Bonus Points for Applying:

For each year a person applies but doesn't win they will receive additional bonus point(s). For years 1-5 earn 1 point, years 6 -10 earn 2 points, years 11-15 earn 3 points and 16 + earn 10 points each year. Points are lost if a person fails to apply two years in a row or if they win a permit. Successful applicants may not be selected for 3 years after being chosen, but they may apply to start accumulating bonus points. There is an option to apply for bonus points only, you will not win this year but you earn and accumulate bonus points. In 2020, there were 8,791 applications for bonus points only.

How the Lottery Program Works:

The lottery program reads an application and then draws a random number for each purchased chance and each bonus point; the lowest random number drawn is assigned to the application. Once every application has a random number, the applications are sorted and the applications with the lowest numbers are used to assign permits. The assignment of permits is based upon the WMD, season, and willingness to accept an antlerless permit. The first permit available that meets the applications requirements is assigned to the application. If no available permits meet the requirements, the next application with the next higher random number is matched up with the available permits. Resident applications are assigned permits from the available resident permits; the non-resident applications get permits from the available non-resident permits.

What it all means:

In 2020, there were a total of 56,570 eligible applications for 3,078 permits; overall odds were 1:18. However, bonus points, purchased chances, applications requirements - (WMDs, season, cow/bull) will affect the actual odds of a particular application winning. If an application will accept any available permit, the odds of a single pulled random number being a winner are:

Resident Chances: 1:72
Nonresident Chances: 1:1388

The more chances or bonus points the better the odds of winning.

The 2012 change to the calculation of bonus points will mean that “statistically” long time (every year since 1998) resident applicant should have won by 2020 if they are willing to accept a bull or antlerless permit in any district. Long time non-residents applicants should have won by 2036 if they are willing to accept a bull or antlerless permit in any district.

The program is based upon random numbers, even if a non-resident purchased 1000 chances there is no guarantee that they would have won, but they are significantly more likely to win than the person who only bought 1 chance.

2020	Residents	NonResidents
Eligible Applications	39,993	16,577
Total Chances	203,869	346,883
Permits to be Issued	2,828	250
Probability of 1 chance winning	1.4%	0.07%
Probability of 1 chance losing	98.6%	99.93%

Purchased Chances and Bonus Points	Resident Probability of Winning	Non Resident Probability of Winning	Count of years applied since 1998 with out winning or skipping a year	Bonus Points Earned
1	1.4%	0.1%	1	1
2	2.8%	0.1%	2	2
3	4.1%	0.2%	3	3
4	5.4%	0.3%	4	4
5	6.7%	0.4%	5	5
6	8.0%	0.4%	6	7
7	9.3%	0.5%	7	9
8	10.6%	0.6%	8	11
9	11.8%	0.6%	9	13
10	13.0%	0.7%	10	15
11	14.2%	0.8%	11	18
12	15.4%	0.9%	12	21
13	16.6%	0.9%	13	24
14	17.8%	1.0%	14	27
15	18.9%	1.1%	15	30
16	20.0%	1.1%	16	40

17	21.1%	1.2%	17	50
18	22.2%	1.3%	18	60
19	23.3%	1.4%	2017 max is 19	70
20	24.4%	1.4%	2018 max is 20	80
21	25.4%	1.5%	2019 max is 21	90
22	26.5%	1.6%	2020 max is 22	100
23	27.5%	1.6%	23	110
24	28.5%	1.7%	24	120
25	29.5%	1.8%	25	130
26	30.5%	1.9%	26	140
27	31.4%	1.9%	27	150
28	32.4%	2.0%	28	160
31	35.1%	2.2%	29	170
41	43.6%	2.9%	30	180
51	51.0%	3.6%	31	190
61	57.3%	4.3%	32	200
71	62.9%	5.0%	33	210
81	67.7%	5.7%	34	220
91	71.9%	6.4%	35	230
101	75.6%	7.0%	36	240
111	78.8%	7.7%		
121	81.6%	8.4%		
131	84.0%	9.0%		
141	86.0%	9.7%		
151	87.9%	10.3%		
161	89.4%	11.0%		
171	90.8%	11.6%		
181	92.0%	12.2%		
191	93.1%	12.9%		
201	94.0%	13.5%		
211	94.8%	14.1%		
221	95.4%	14.7%		
231	96.0%	15.3%		
241	96.5%	15.9%		
251	97.0%	16.6%		
261	97.4%	17.2%		
271	97.7%	17.7%		
281	98.0%	18.3%		
291	98.3%	18.9%		
301	98.5%	19.5%		
1000	100.0%	51.4%		