



November 15, 2023

## Re: Freestyle BC event weighting

The revised event weighting formula, developed by our High-Performance committee, BC Team coaches, and performance director, incorporates adjustments guided by our LTAD, informed by a thorough historical data analysis and observations of our current competition landscapes.

Collaborating with the Canadian Sport Institute and Freestyle Canada, our team has fine-tuned recursive values for park and pipe tables, which level the points between events, i.e. a Timber Tour win is worth the same as 17th at a Canada Cup; these tables will assign points to the last competitor in the field. We also introduced a dedicated table for point placement allocation in dual moguls. These changes aim to enhance the accuracy and fairness of our ranking tables.

Effective for the 2023-24 competition season, these updated tables will be pivotal in determining rankings for the BC Winter Games, Junior Nationals, and BC Team selections. The collaborative and data-driven approach ensures a robust foundation for evaluating athlete performance, aligning with our commitment to continual improvement in the sports sector.

## Park and Pipe values

Park and Pipe	Maximum Points	Recursive Value
Regional	300	2.5% (M), 4% (W)
BC Winter Games	500	2.5% (M), 4% (W)
Timber Tour	500	2.5% (M), 4% (W)
Junior Nationals	600	2% (M), 3% (W)
Canada Cup	700	2% (M), 3% (W)
Canada Winter Games	700	2% (M), 3% (W)
Junior Worlds	800	2% (M), 3% (W)
Senior Nationals	850	2% (M), 3% (W)
Noram	950	1.5% (M), 2% (W)

Noram				Senior Nationals				Junior Worlds			
		1.50%	2.00%			2.00%	3.00%			2.00%	3.00%
Men	Women			Men	Women			Men	Women		
1	950	1	950	1	850	1	850	1	800	1	800
2	936	2	931	2	833	2	825	2	784	2	776
3	922	3	912	3	816	3	800	3	768	3	753
4	908	4	894	4	800	4	776	4	753	4	730
5	894	5	876	5	784	5	752	5	738	5	708
6	881	6	859	6	768	6	730	6	723	6	687
7	868	7	842	7	753	7	708	7	709	7	666
8	855	8	825	8	738	8	687	8	695	8	646
9	842	9	808	9	723	9	666	9	681	9	627
10	829	10	792	10	709	10	646	10	667	10	608
11	817	11	776	11	695	11	627	11	654	11	590
12	804	12	761	12	681	12	608	12	641	12	572
13	792	13	745	13	667	13	590	13	628	13	555
14	781	14	731	14	654	14	572	14	615	14	538
15	769	15	716	15	641	15	555	15	603	15	522
16	757	16	702	16	628	16	538	16	591	16	507
17	746	17	688	17	615	17	522	17	579	17	491
18	735	18	674	18	603	18	506	18	567	18	477
19	724	19	660	19	591	19	491	19	556	19	462
20	713	20	647	20	579	20	477	20	545	20	448
21	702	21	634	21	567	21	462	21	534	21	435
22	692	22	622	22	556	22	448	22	523	22	422
23	681	23	609	23	545	23	435	23	513	23	409
24	671	24	597	24	534	24	422	24	503	24	397
25	661	25	585	25	523	25	409	25	493	25	385



Canada Winter Games				Junior Nationals				Canada Cup			
2.00%		3.00%		2.00%		3.00%		2.00%		3.00%	
Men		Women		Men		Women		Men		Women	
1	700	1	700	1	600	1	600	1	700	1	700
2	686	2	679	2	588	2	582	2	686	2	679
3	672	3	659	3	576	3	565	3	672	3	659
4	659	4	639	4	565	4	548	4	659	4	639
5	646	5	620	5	553	5	531	5	646	5	620
6	633	6	601	6	542	6	515	6	633	6	601
7	620	7	583	7	532	7	500	7	620	7	583
8	608	8	566	8	521	8	485	8	608	8	566
9	596	9	549	9	510	9	470	9	596	9	549
10	584	10	532	10	500	10	456	10	584	10	532
11	572	11	516	11	490	11	442	11	572	11	516
12	561	12	501	12	480	12	429	12	561	12	501
13	549	13	486	13	471	13	416	13	549	13	486
14	538	14	471	14	461	14	404	14	538	14	471
15	528	15	457	15	452	15	392	15	528	15	457
16	517	16	443	16	443	16	380	16	517	16	443
17	507	17	430	17	434	17	369	17	507	17	430
18	497	18	417	18	426	18	357	18	497	18	417
19	487	19	405	19	417	19	347	19	487	19	405
20	477	20	392	20	409	20	336	20	477	20	392
21	467	21	381	21	401	21	326	21	467	21	381
22	458	22	369	22	393	22	316	22	458	22	369
23	449	23	358	23	385	23	307	23	449	23	358
24	440	24	347	24	377	24	298	24	440	24	347
25	431	25	337	25	369	25	289	25	431	25	337

Timber Tour				BC Winter Games				Regional/SY			
2.50%		4.00%		2.50%		4.00%		2.50%		4.00%	
Men		Women		Men		Women		Men		Women	
1	500	1	500	1	500	1	500	1	300	1	300
2	488	2	480	2	488	2	480	2	293	2	288
3	475	3	461	3	475	3	461	3	285	3	276
4	463	4	442	4	463	4	442	4	278	4	265
5	452	5	425	5	452	5	425	5	271	5	255
6	441	6	408	6	441	6	408	6	264	6	245
7	430	7	391	7	430	7	391	7	258	7	235
8	419	8	376	8	419	8	376	8	251	8	225
9	408	9	361	9	408	9	361	9	245	9	216
10	398	10	346	10	398	10	346	10	239	10	208
11	388	11	332	11	388	11	332	11	233	11	199
12	378	12	319	12	378	12	319	12	227	12	191
13	369	13	306	13	369	13	306	13	221	13	184
14	360	14	294	14	360	14	294	14	216	14	176
15	351	15	282	15	351	15	282	15	210	15	169
16	342	16	271	16	342	16	271	16	205	16	163
17	333	17	260	17	333	17	260	17	200	17	156
18	325	18	250	18	325	18	250	18	195	18	150
19	317	19	240	19	317	19	240	19	190	19	144
20	309	20	230	20	309	20	230	20	185	20	138
21	301	21	221	21	301	21	221	21	181	21	133
22	294	22	212	22	294	22	212	22	176	22	127
23	286	23	204	23	286	23	204	23	172	23	122
24	279	24	196	24	279	24	196	24	168	24	117
25	272	25	188	25	272	25	188	25	163	25	113



## Single Mogul values

Mogul				
Tier 1	Regional 45%	Timber Tour 60%	BC Winter Games 60%	Junior Nationals 65%
Tier 2	Western Canada Cup 75%	Canada Winter Games 80%	Canadian Selections 85%	
Tier 3	Junior Worlds 90%	Senior Nationals 90%	Noram 95%	

Relative point average (RPA) is the basis for ranking BC athletes in Moguls; RPA is determined by calculating the athlete's score relative to the top score of the event. For example, the best score of a mogul run is 24.6. This score results in a RPA of 1000. The next best score is 23.1. Applying the RPA formula:  $23.1 / 24.6 = 0.939$  or a RPA of 939. The resulting RPA score is multiplied by the event weighting to determine the athlete's final score. Once all scores are converted to RPA and ranked from highest to lowest. Athletes will only be allowed to use 1 RPA score from each competition. RPA calculations will automatically use the higher RPA from a competition.

## Dual Mogul point placement tables

	Noram		Senior Nationals				Junior Worlds					
	1.50%		2.000%		2.00%		3.000%		2.00%		3.00%	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
1	950	950	1	950	1	900	1	900	1	900	1	900
2	936	931	2	931	2	882	2	873	2	882	2	873
3	922	912	3	912	3	864	3	847	3	864	3	847
4	908	894	4	894	4	847	4	821	4	847	4	821
5	894	876	5	876	5	830	5	797	5	830	5	797
6	881	859	6	859	6	814	6	773	6	814	6	773
7	868	842	7	842	7	797	7	750	7	797	7	750
8	855	825	8	825	8	781	8	727	8	781	8	727
9	842	808	9	808	9	766	9	705	9	766	9	705
10	829	792	10	792	10	750	10	684	10	750	10	684
11	817	776	11	776	11	735	11	664	11	735	11	664
12	804	761	12	761	12	721	12	644	12	721	12	644
13	792	745	13	745	13	706	13	624	13	706	13	624
14	781	731	14	731	14	692	14	606	14	692	14	606
15	769	716	15	716	15	678	15	588	15	678	15	588
16	757	702	16	702	16	665	16	570	16	665	16	570
17	746	688	17	688	17	651	17	553	17	651	17	553
18	735	674	18	674	18	638	18	536	18	638	18	536
19	724	660	19	660	19	626	19	520	19	626	19	520
20	713	647	20	647	20	613	20	505	20	613	20	505
21	702	634	21	634	21	601	21	489	21	601	21	489
22	692	622	22	622	22	589	22	475	22	589	22	475
23	681	609	23	609	23	577	23	460	23	577	23	460
24	671	597	24	597	24	566	24	447	24	566	24	447
25	661	585	25	585	25	554	25	433	25	554	25	433



Canadian Selections				Canada Winter Games				Western Canada Cup			
2.00%		3.00%		2.00%		3.00%		2.00%		3.00%	
Men		Women		Men		Women		Men		Women	
1	850	1	850	1	800	1	800	1	750	1	750
2	833	2	825	2	784	2	776	2	735	2	728
3	816	3	800	3	768	3	753	3	720	3	706
4	800	4	776	4	753	4	730	4	706	4	685
5	784	5	752	5	738	5	708	5	692	5	664
6	768	6	730	6	723	6	687	6	678	6	644
7	753	7	708	7	709	7	666	7	664	7	625
8	738	8	687	8	695	8	646	8	651	8	606
9	723	9	666	9	681	9	627	9	638	9	588
10	709	10	646	10	667	10	608	10	625	10	570
11	695	11	627	11	654	11	590	11	613	11	553
12	681	12	608	12	641	12	572	12	601	12	536
13	667	13	590	13	628	13	555	13	589	13	520
14	654	14	572	14	615	14	538	14	577	14	505
15	641	15	555	15	603	15	522	15	565	15	490
16	628	16	538	16	591	16	507	16	554	16	475
17	615	17	522	17	579	17	491	17	543	17	461
18	603	18	506	18	567	18	477	18	532	18	447
19	591	19	491	19	556	19	462	19	521	19	433
20	579	20	477	20	545	20	448	20	511	20	420
21	567	21	462	21	534	21	435	21	501	21	408
22	556	22	448	22	523	22	422	22	491	22	396
23	545	23	435	23	513	23	409	23	481	23	384
24	534	24	422	24	503	24	397	24	471	24	372
25	523	25	409	25	493	25	385	25	462	25	361

Junior Nationals				Timber Tour				Regional/SY			
2.00%		3.00%		2.50%		4.00%		2.50%		4.00%	
Men		Women		Men		Women		Men		Women	
1	650	1	650	1	600	1	600	1	450	1	450
2	637	2	631	2	585	2	576	2	439	2	432
3	624	3	612	3	570	3	553	3	428	3	415
4	612	4	593	4	556	4	531	4	417	4	398
5	600	5	575	5	542	5	510	5	407	5	382
6	588	6	558	6	529	6	489	6	396	6	367
7	576	7	541	7	515	7	470	7	387	7	352
8	564	8	525	8	503	8	451	8	377	8	338
9	553	9	509	9	490	9	433	9	367	9	325
10	542	10	494	10	478	10	416	10	358	10	312
11	531	11	479	11	466	11	399	11	349	11	299
12	520	12	465	12	454	12	383	12	341	12	287
13	510	13	451	13	443	13	368	13	332	13	276
14	500	14	437	14	432	14	353	14	324	14	265
15	490	15	424	15	421	15	339	15	316	15	254
16	480	16	412	16	410	16	325	16	308	16	244
17	470	17	399	17	400	17	312	17	300	17	234
18	461	18	387	18	390	18	300	18	293	18	225
19	452	19	376	19	380	19	288	19	285	19	216
20	443	20	364	20	371	20	276	20	278	20	207
21	434	21	353	21	362	21	265	21	271	21	199
22	425	22	343	22	353	22	255	22	264	22	191
23	417	23	333	23	344	23	244	23	258	23	183
24	408	24	323	24	335	24	235	24	251	24	176
25	400	25	313	25	327	25	225	25	245	25	169