



2008 Yukon Orienteering Campaign

By Forest Pearson

What is the Yukon Orienteering Campaign?

The Yukon Orienteering Campaign is a “just-for-fun” way of linking orienteers’ overall results, over the entire Yukon orienteering season. Results from the 2008 have been used as a first attempt, and if there is interest, maybe run through the 2009 season.

What is the Purpose of the Yukon Orienteering Campaign?

- allows orienteers to compare their results relatively, over the entire season;
- allows orienteers to see if they improve their “campaign score” over the orienteering season;
- “flattens” all of the courses/classes (recognizing that orienteers are competitive at the level they participate at), to allow comparison between courses (e.g. allows comparison between beginners, intermediate and advanced orienteers);
- to raise the level of competitiveness and participation in YOA meets (“*if I do just one more O-meet, maybe I can get my score just a bit higher!*”);
- is completely un-official, and has no purpose, other than it is fun to see your score relative to other Yukon orienteers; and
- does not replace or affect Yukon Championships results in anyway.

In summary, the Yukon Orienteering Campaign is a way of seeing who are the Yukon’s best orienteers, over the Yukon Orienteering season, regardless of level or course.

How Does it Work?

The Yukon Orienteering Campaign is modified from the IOF Ski-Orienteering ranking system¹. Overall Campaign scores are the average of your four best scores over the Yukon orienteering season. If you less than four runs, your average score is reduced. This encourages you to do more orienteering events, so that you get the best score possible for your overall Campaign Score.

The calculation of your score for each event is based on a set of magical mathematical formulas that take into account:

1. Strength of the field;
2. Importance of the event;
3. Differing spreads of times at the event.

Calculation of Campaign Points is done relative to the individual courses (e.g. how well does an orienteerer do relative to the others on their course). Orienteers are then aggregated for the overall Campaign Scoring.

¹ http://www.orienteering.org/i3/index.php?iof2006/news/world_ranking_special_rules_in_ski_orienteering

Notes, Comments, and Tips to Get a Better Campaign Score:

1. Your overall Campaign score is the average of your BEST 4 events. The more events you do, the more likely you are to get higher scores.
2. If you have less than 4 events, your average score is reduced as follows (this prevents someone from coming in and having one amazing race, and then being scored the highest – you gotta be consistent!):
 1. The average of 3 best points that season reduced by 4%
 2. The average of 2 best points that season reduced by 8%
 3. The best points (one event) that season reduced by 16%
3. The strength of field for an event is calculated as the average campaign score (to date) for each orienteerer on that course. The stronger the field, the more points you get.
4. A-meets (such as Whitehorse Adventure Run) have an importance of 1.03 (that is you get 3% more points if you enter this event).
5. Yukon Championship meets have an importance of 1.05 (that is you get 5% more points if you enter this event). So enter the YOC for big points!
6. Meet organizers get an automatic 700 campaign points for each meet they organize (this maybe increased in 2009 to provide additional incentive and depending on depth of field).
7. If there are three or less orienteerers with campaign scores on the course, and average campaign score (MP) of 700 is assigned to that course for that meet, with a standard deviation (SP) of 100.

Yes, but I am a Real Geek: I want to know the magical formula!

Ok, you asked for it:

$$RP = (MP + SP * (MT - RT)/ST) * IP$$

- $(MT - RT)/ST$ gives number of standard deviations of runner's time RT above or below race mean time MT (ST is the standard deviation of the ranked runners' times)
- Multiplying by SP , the standard deviation of the ranked runners' points, converts this to points
- This difference is added to MP , the average points for the runners in the race and this gives the runner's points RP
- IP is usually 1.00, but equals 1.05 for Yukon Champs, 1.03 for other Yukon A-meets

Example

- Suppose Forest comes 4th in a race in a time of 88 minutes (RT); the average time for the ranked runners in the race is 100 minutes (MT) and the standard deviation of their times is 10 minutes (ST)
- Thus $(MT - RT)/ST = 12/10$, or 1.2 standard deviations above the average time for the ranked runners in the race
- Suppose the quality of the runners is high (mean points (MP) = 1100 and standard deviation (SP) = 100)
- So Forest gets more points than the average runner, this given by $1.2 \times 100 = 120$
- Thus final points = $1100 + 120 = 1220$



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Campaign Place	Orienteerer	Overall Campaign Score	Counting Runs				Total # of Events
			Best	2nd	3rd	4th	
1	Dahria Beatty	839	867	856	821	813	9
2	Caelan McLean	829	856	847	812	802	7
3	Brent Langbakk	824	840	826	815	813	8
4	Lee Hawkings	803	829	799	792	791	6
5	Pia Blake	802	811	809	806	783	9
6	Erik Blake	798	810	801	800	782	6
7	Afan Jones	797	819	799	789	781	7
8	Pam James	793	812	802	780	779	12
9	Karen McKenna	790	798	795	795	771	8
10	Ryan Kelly	788	811	811	774	756	8
11	Kaitlyn Mitchel	788	791	790	785	784	8
12	Kerstin Burnett	785	810	807	799	723	4
13	Phil Hoffmar	785	813	805	766	754	5
14	Kendra Murray	784	813	792	784	747	6
15	Trevor Bray	781	863	767	754	740	8
16	Forest Pearson	780	827	780	759	755	6
17	Leif Blake	774	801	782	760	752	9
18	Barbara Scheck	773	795	779	769	747	8
19	Tayler Mitchell	772	791	785	764	747	10
20	Grant Abbott	772	838	765	745	738	5
21	Colin Abbott	767	801	786	782	700	5
22	Justine Scheck	760	794	781	747	716	5
23	Dave Sharp	759	775	769	762	728	4
24	Sabine Schweiger	756	792	771	737	722	6
25	Cheylsea Mitchel	750	791	745	733	731	7
26	Jim Hawkings	750	766	754	741	737	7
27	Bruce McLean	749	779	765	733	719	4
28	Logan Roots	745	811	808			2
29	Ross Burnett	744	789	775	705	705	5
30	Cord Hamilton	742	856	739	723		3
31	Wendy Tayler	738	749	740	739	725	7
32	Nansen Murray	735	782	740	718	700	5
33	Joe Bradley	733	753	729	725	725	5
34	Dustin Wilkinsor	731	766	734	721	704	7
35	Shea Hoffman	731	793	761	704	667	5
36	Tracey Taylor, Audrey Me	727	749	745	715	697	8
37	Shawn Kitchen	725	794	782			2
38	Sky Pearson	725	790	785			2
39	Scott Westberg	722	808	761			2
40	Darryl Bray	718	773	710	695	694	5



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Individual Meet Campaign Points

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Event:

Location:

Date:

Average Campaign Points (MP) for Event:

YOC Middle Distance Champs	YOC Sprint Champs	B-meet	B-meet	B-meet	B-meet	B-Meet	YOC Long Distance Champs.	W.A.R. '08	B-meet	B-meet - Junior Fundraiser	B-meet	B-meet
Ear Lake	Haines Junction	Yukon Waterfront	War Eagle	Hidden Valley	Pine Street-Yukon College	Long Lake		Shipyard Park	Magnusson Ski Trails	Golden Horn - Dirt Bike Tracks	Miles Canyon - Ski Trail	Magnussen Ski Trails
14-Sep-08	13-Sep-08	10-Sep-08	27-Aug-08	30-Jul-08	16-Jul-08	2-Jul-08	18-Jun-08	8-Jun-08	4-Jun-08	21-May-08	7-May-08	24-Apr-08
761	771	693	707	702	710	687	719	711	675	710	671	735

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			Best	2nd	3rd	4th																	
1	Dahria Beatty	839	867	856	821	813	9			805	774			758	717			867		810	813	856	821
2	Caelan McLean	829	856	847	812	802	7		802	812			776				694	856		847	756		
3	Brent Langbakk	824	840	826	815	813	8		705	840	783					784			703	813		826	815
4	Lee Hawkings	803	829	799	792	791	6		799	829	758				791			792			700		
5	Pia Blake	802	811	809	806	783	9		806	809			666	708	734	730		781		783	811		
6	Erik Blake	798	810	801	800	782	6		801	782				800	725					810		700	
7	Afan Jones	797	819	799	789	781	7		789	819	781			765	780	700		799					
8	Pam James	793	812	802	780	779	12		760	812	779	771		745		736		802	780	753	771	722	700
9	Karen McKenna	790	798	795	795	771	8		795	771				747				798		766	795	622	690
10	Ryan Kelly	788	811	811	774	756	8		811				629	711	686	517		774			811		756
11	Kaitlyn Mitchell	788	791	790	785	784	8		791	784	731			790		747		732		785	532		
12	Kerstin Burnett	785	810	807	799	723	4		807	799					723			810					
13	Phil Hoffman	785	813	805	766	754	5				754							726		766	805	813	
14	Kendra Murray	784	813	792	784	747	6		792					718	717				747	813			784
15	Trevor Bray	781	863	767	754	740	8		767		697	688			740			754			694	228	863
16	Forest Pearson	780	827	780	759	755	6		827						780	759			703		755	647	
17	Leif Blake	774	801	782	760	752	9		760	782			651	617	708	596		801		752	709		
18	Barbara Scheck	773	795	779	769	747	8		795	779			700		747	712		769	721			618	
19	Taylor Mitchell	772	791	785	764	747	10		785	707	739			791	719	723		732	764	747	683		
20	Grant Abbott	772	838	765	745	738	5		738					765	745	838		700					
21	Colin Abbott	767	801	786	782	700	5								801				782	786	700		638
22	Justine Scheck	760	794	781	747	716	5						781		747	687		794	716				
23	Dave Sharp	759	775	769	762	728	4		762	775					728					769			
24	Sabine Schweiger	756	792	771	737	722	6		792	771				711	737			722				700	
25	Cheylsea Mitchell	750	791	745	733	731	7		724		731			791	745	680				733	532		
26	Jim Hawkings	750	766	754	741	737	7		754	766					700	715		737			629	741	
27	Bruce McLean	749	779	765	733	719	4		779	765				719				733					
28	Logan Roots	745	811	808			2							811					808				
29	Ross Burnett	744	789	775	705	705	5		775	705					789			705				701	
30	Cord Hamilton	742	856	739	723		3								739	856		723					
31	Wendy Taylor	738	749	740	739	725	7			740	739			749	719	680		725		613			
32	Nansen Murray	735	782	740	718	700	5								740			614	782	718	700		
33	Joe Bradley	733	753	729	725	725	5		753	729				725				725					700
34	Dustin Wilkinson	731	766	734	721	704	7		704	734								670			685	766	
35	Shea Hoffman	731	793	761	704	667	5				667							793		592	704	761	
36	Tracey Taylor, Audrey M	727	749	745	715	697	8		635		697			749	745	681			691	715	687		
37	Shawn Kitchen	725	794	782			2											782			794		
38	Sky Pearson	725	790	785			2			785													790
39	Scott Westberg	722	808	761			2												808	761			
40	Darryl Bray	718	773	710	695	694	5		695									773			694	710	
41	Pippa McNeil	718	811	744	688		3		811	744	688												
42	Jean-Francois Latour	717	780	769	692		3												692		780		769
43	Ben Traynor, Justin Enns	716	786	770			2												770		786		
44	Kimball Forrest	716	795	761			2											795	761				



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45	Charlie Roots	712	778	748	700		3												700			748
46	Margaret Ellis	712	775	773			2	773	775													
47	Ellyn Brown	710	783	761			2									783	761					
48	Lars Fossum	710	728	727	693	692	7				690			727	728	692				693	596	564
49	Liam Kiemele	706	790	745			2						745							790		
50	Barb Phillips	702	834	693			2								693	834						
51	Tim Pealow	701	781	744			2								781							
52	Hannah Shier	693	779	728			2														728	779
53	Lake Pearson	691	763	732	664		3									763	732				664	
54	J.F. Roldan	686	792	700			2									700					792	
55	Denise McHale	680	810				1									810						
56	Jennifer MacKeigan	676	757	713			2								713	757						
57	Rachael and Karra McIntosh	675	745	722			2	722	745													
58	Nicole Hulstein	671	764	695			2									695	764					
59	Sara Neilsen	670	753	704			2								704							
60	Deb Kiemele	670	686	678	661	654	7				661			686		634	604	608	654	678		
61	Lene Nielsen	668	753	699			2								699	753						
62	Ev Pasichnyk	667	730	721			2								730						721	
63	Jill Pangman	663	732	709			2										732				709	
64	Jim Green	662	788				1										788					
65	Alexis and Ron Gee	658	783				1										783					
66	Andrea Latouser (Switzer)	658	783				1												783			
67	Finn Pearson	658	771	648	618	593	5				618	771			648		593			783	578	
68	Land Pearson	656	763	664			2									763						664
69	Erin Spiewak	655	780				1									780						
70	Miko Miyahara	654	706	672	631	606	4				606			706		631				672		
71	Benoit Turcotte	648	771				1				771											
72	Emilia Bodi	645	768				1													768		
73	Greg McHale	644	810	590			2											810				590
74	Galena Roots	644	689	682	641		3				641								689	682		641
75	Rena Marie McCaw	644	766				1															766
76	Tim Beaver	643	826	571			2														571	
77	Rodney Hulstein	639	761				1												761			
78	Adam Scheck	638	759				1									759						
79	Linda MacKeigan	637	824	656	596	472	4								472	596					824	
80	Kristina Gardiner	634	755				1									755						
81	Perry Hynes	632	752				1														752	
82	Scott Nguyen	630	748	633	589		3								748		633					589
83	Sheri Cooper	628	679	643	642		3				643						679				642	
84	Chris Hogan	622	741				1											741				
85	Duane Shewfelt	622	741				1											741				
86	Wendy Nixon	620	752	595			2	752														
87	Ben & Peter Steele	619	697	625	613		3				613				697	625						
88	Laura Toews Yvonne Kin	618	736				1															736



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89	Doug Hitch	617	687	636	618	527	4	687							618	636		527						
90	Robin Krug	617	723	618			2	723		618														
91	Don White	608	724				1										724							
92	Justin Fradette	604	719				1										719							
93	Tom Wyers	604	719				1										719							
94	Ben Shier	603	721	590	574		3					574							721	590				
95	Gerry Whitley	603	683	659	542		3			659			683	542										
96	Sam Denner	601	716				1										716							
97	Hilary Wilkinson	600	632	598	591	577	4			632		577		598				591						
98	Aileen McCorkell	598	625	600	590	577	5			600	577	545		625				590						
99	Don+Jenna Duncan	597	710				1														710			
100	Brendan Shopland	596	630	629	565	560	6			629	549		565	560	493	630								