

2014 Hardrock Hundred Results & Analysis

Esse quam videri

August 26, 2014

(rev 0)

©Charlie Thorn 2014

Charlie Thorn
4501 B Ridgeway
Los Alamos, NM 87544

thorncha@gmail.com

505-662-2397

The following pages contain the 2014 Hardrock Hundred results and some analysis.

1. 2014 Results in Time of Day, Elapsed Time, and by Segment.
2. Listing of all Hardrock Finishers.
3. Revised fact sheets showing year-by-year summaries.
5. Summary of Twenty-Year, Fifteen-Year, Ten-Year, Awards and Five-Year Awards.
6. Four-plus Finishers Lists.
7. Finisher Statistics by Year.

The 2014 original data were from various sources. However, I take full responsibility for any errors in analysis or transposition. If errors are discovered, please let me know.

If anyone thinks we need additional or different analysis, please contact me.

2014 HRH Results in Time of Day

Place	Runner	Bib	Start	KT	Chapman	Telluride	Kroger	Governor	Ouray	Engineer	Grouse	Burrows	Sherman	Pole	Maggie	Cunningham	Finish
111	Rick Percy, M 61 CO	166	6:00	10:00-10:02	12:48-12:55	17:07-17:16	20:02-20:05	21:12-21:17	23:58-00:16	04:21-04:26	07:40-08:06	13:39-13:44	15:13-15:28				
112	Mauricio Puerto, M 42 CA	170	6:00	10:25-10:28	13:24-13:30	17:39-17:48	21:33-21:36	22:31-22:32	00:40-01:04	05:31-05:31	08:20-08:43	14:46-14:46					
113	Fred Abramowitz, M 63 CO	100	6:00	10:02-10:04	12:57-13:00	16:58-17:04	19:59-20:05	21:14-21:17	23:19-23:33	03:48-03:57	06:56-07:18	15:55-15:55					
114	David Tosch, M 65 AL	182	6:00	10:15-10:20	13:11-13:15	17:19-17:33	20:50-21:01	22:39-22:50	01:09-01:36	06:20-06:30	09:32-09:46	16:08-16:08					
115	Sebastien Chaigneau, M 42 France	1	6:00	08:20-08:21	09:48-09:48	11:53-11:56	13:28-13:29	13:56-13:57	14:55-14:59	17:17-17:17	18:41-18:41						
116	Dakota Jones, M 24 CO	144	6:00	08:20-08:21	09:46-09:46	11:50-11:51	13:25-13:25	13:54-13:54	14:56-14:57	17:22-17:23	18:58-19:01						
117	Joe Grant, M 31 CO	132	6:00	08:20-08:21	09:48-09:48	11:55-11:56	13:39-13:42	14:11-14:12	15:16-15:21	19:12-19:24	21:23-21:23						
118	Brett Gosney, M 55 CO	131	6:00	08:50-08:52	10:44-10:46	13:28-13:29	15:38-15:42	16:22-16:23	17:47-17:57	21:56-22:24	00:41-00:41						
119	Erich Peitzsch, M 36 MT	168	6:00	09:01-09:02	11:00-11:04	13:58-14:04	16:25-16:26	17:13-17:14	18:40-19:06	22:53-23:02	01:30-01:30						
120	Rob Erskine, M 44 CO	12	6:00	09:08-09:08	11:12-11:15	14:23-14:25	17:14-17:19	18:08-18:09	19:33-19:55	23:55-00:33	03:13-03:13						
121	Murray Schart, M 55 ID	176	6:00	09:33-09:41	11:59-12:12	15:25-15:32	17:51-18:00	18:57-19:02	20:36-21:38	01:05-01:24	04:01-04:01						
122	Ian Farris, M 33 UT	48	6:00	09:14-09:16	11:19-11:22	14:06-14:09	16:20-16:22	17:09-17:11	18:41-18:45	23:06-01:30	04:13-04:13						
123	James Ficke, M 53 MD	125	6:00	09:21-09:26	11:35-11:41	15:10-15:27	18:19-18:25	19:13-19:17	21:01-21:35	01:18-01:50	04:46-04:46						
124	Howie Breinan, M 46 CT	108	6:00	09:19-09:21	11:26-11:33	14:45-15:05	17:36-17:41	18:35-18:43	20:29-20:56	01:17-01:40	05:43-05:43						
125	Todd Salzer, M 40 CO	174	6:00	09:18-09:22	11:53-12:02	15:34-15:44	18:45-18:55	19:50-20:12	21:53-22:23	02:33-02:44	06:06-06:06						
126	Paul Ralyea, M 47 DC	171	6:00	10:05-10:10	13:01-13:02	17:03-17:14	19:50-19:52	21:05-21:11	23:03-23:26	03:04-03:10	06:08-06:08						
127	Rosie Warfield, F 31 HI	187	6:00	09:57-10:00	12:35-12:41	16:36-16:52	19:44-19:55	21:02-21:10	23:20-23:48	04:19-04:32	07:10-07:10						
128	Rich Desimone, M 63 MT	119	6:00	10:15-10:18	13:17-13:24	17:17-17:27	20:35-20:45	22:00-22:04	00:06-00:29	04:37-05:05	07:56-07:56						
129	Kristina Irvin, F 56 CA	142	6:00	10:23-10:26	13:26-13:32	17:42-17:54	20:53-21:00	22:01-22:09	00:24-00:28	04:50-05:01	08:10-08:10						
130	Gary Lukacs, M 57 PA	157	6:00	09:55-09:56	12:45-12:48	16:58-17:08	21:09-21:16	22:32-22:33	01:02-01:02	06:01-06:07	08:34-08:51						
131	Adam Hewey, M 47 WA	6	6:00	09:06-09:08	11:12-11:13	14:14-14:23	16:36-16:46	17:41-17:44	19:34-19:34								
132	Glenn Mackie, M 52 TX	7	6:00	09:13-09:13	11:23-11:28	14:36-15:07	17:26-17:30	18:14-18:16	19:47-20:09								
133	Wolfgang Hoefle, M 54 Germany	139	6:00	10:06-10:11	12:58-13:05	17:04-17:21	20:40-20:50	22:00-22:07	00:56-00:56								
134	Chihping Fu, M 48 CA	127	6:00	10:49-10:59	14:14-14:31	19:28-19:57	23:42-23:48	01:00-01:00	03:38-03:38								
135	Joseph Lea, M 44 NC	154	6:00	09:14-09:15	11:29-11:33	14:52-14:52											
136	David Clark, M 43 CO	115	6:00	09:14-09:16	11:23-11:24	15:12-15:12											
137	Jaclyn Greenhill, F 37 GA	135	6:00	09:38-09:38	12:20-12:27	16:43-16:43											
138	Christopher Agbay, M 37 MA	102	6:00	10:10-10:16	14:17-14:36	21:00-21:00											
139	Douglas Gray, M 40 MA	134	6:00	10:21-10:28	14:17-14:36	21:00-21:00											
140	Rollin Perry, M 75 IA	169	6:00	11:49-11:54	16:17-16:17												

2014 HRH Results in Elapsed Time

Place	Runner	Bib	Start	KT	Chapman	Telluride	Kroger	Governor	Ouray	Engineer	Grouse	Burrows	Sherman	Pole	Maggie	Cunningham	Finish
111	Rick Percy, M 61 CO	166	0:00	04:00-04:02	06:48-06:55	11:07-11:16	14:02-14:05	15:12-15:17	17:58-18:16	22:21-22:26	25:40-26:06	31:39-31:44	33:13-33:28				
112	Mauricio Puerto, M 42 CA	170	0:00	04:25-04:28	07:24-07:30	11:39-11:48	15:33-15:36	16:31-16:32	18:40-19:04	23:31-23:31	26:20-26:43	32:46-32:46					
113	Fred Abramowitz, M 63 CO	100	0:00	04:02-04:04	06:57-07:00	10:58-11:04	13:59-14:05	15:14-15:17	17:19-17:33	21:48-21:57	24:56-25:18	33:55-33:55					
114	David Tosch, M 65 AL	182	0:00	04:15-04:20	07:11-07:15	11:19-11:33	14:50-15:01	16:39-16:50	19:09-19:36	24:20-24:30	27:32-27:46	34:08-34:08					
115	Sebastien Chaigneau, M 42 France	1	0:00	02:20-02:21	03:48-03:48	05:53-05:56	07:28-07:29	07:56-07:57	08:55-08:59	11:17-11:17	12:41-12:41						
116	Dakota Jones, M 24 CO	144	0:00	02:20-02:21	03:46-03:46	05:50-05:51	07:25-07:25	07:54-07:54	08:56-08:57	11:22-11:23	12:58-13:01						
117	Joe Grant, M 31 CO	132	0:00	02:20-02:21	03:48-03:48	05:55-05:56	07:39-07:42	08:11-08:12	09:16-09:21	13:12-13:24	15:23-15:23						
118	Brett Gosney, M 55 CO	131	0:00	02:50-02:52	04:44-04:46	07:28-07:29	09:38-09:42	10:22-10:23	11:47-11:57	15:56-16:24	18:41-18:41						
119	Erich Peitzsch, M 36 MT	168	0:00	03:01-03:02	05:00-05:04	07:58-08:04	10:25-10:26	11:13-11:14	12:40-13:06	16:53-17:02	19:30-19:30						
120	Rob Erskine, M 44 CO	12	0:00	03:08-03:08	05:12-05:15	08:23-08:25	11:14-11:19	12:08-12:09	13:33-13:55	17:55-18:33	21:13-21:13						
121	Murray Schart, M 55 ID	176	0:00	03:33-03:41	05:59-06:12	09:25-09:32	11:51-12:00	12:57-13:02	14:36-15:38	19:05-19:24	22:01-22:01						
122	Ian Farris, M 33 UT	48	0:00	03:14-03:16	05:19-05:22	08:06-08:09	10:20-10:22	11:09-11:11	12:41-12:45	17:06-19:30	22:13-22:13						
123	James Ficke, M 53 MD	125	0:00	03:21-03:26	05:35-05:41	09:10-09:27	12:19-12:25	13:13-13:17	15:01-15:35	19:18-19:50	22:46-22:46						
124	Howie Breinan, M 46 CT	108	0:00	03:19-03:21	05:26-05:33	08:45-09:05	11:36-11:41	12:35-12:43	14:29-14:56	19:17-19:40	23:43-23:43						
125	Todd Salzer, M 40 CO	174	0:00	03:18-03:22	05:53-06:02	09:34-09:44	12:45-12:55	13:50-14:12	15:53-16:23	20:33-20:44	24:06-24:06						
126	Paul Ralyea, M 47 DC	171	0:00	04:05-04:10	07:01-07:02	11:03-11:14	13:50-13:52	15:05-15:11	17:03-17:26	21:04-21:10	24:08-24:08						
127	Rosie Warfield, F 31 HI	187	0:00	03:57-04:00	06:35-06:41	10:36-10:52	13:44-13:55	15:02-15:10	17:20-17:48	22:19-22:32	25:10-25:10						
128	Rich Desimone, M 63 MT	119	0:00	04:15-04:18	07:17-07:24	11:17-11:27	14:35-14:45	16:00-16:04	18:06-18:29	22:37-23:05	25:56-25:56						
129	Kristina Irvin, F 56 CA	142	0:00	04:23-04:26	07:26-07:32	11:42-11:54	14:53-15:00	16:01-16:09	18:24-18:28	22:50-23:01	26:10-26:10						
130	Gary Lukacs, M 57 PA	157	0:00	03:55-03:56	06:45-06:48	10:58-11:08	15:09-15:16	16:32-16:33	19:02-19:02	24:01-24:07	26:34-26:51						
131	Adam Hewey, M 47 WA	6	0:00	03:06-03:08	05:12-05:13	08:14-08:23	10:36-10:46	11:41-11:44	13:34-13:34								
132	Glenn Mackie, M 52 TX	7	0:00	03:13-03:13	05:23-05:28	08:36-09:07	11:26-11:30	12:14-12:16	13:47-14:09								
133	Wolfgang Hoefle, M 54 Germany	139	0:00	04:06-04:11	06:58-07:05	11:04-11:21	14:40-14:50	16:00-16:07	18:56-18:56								
134	Chihping Fu, M 48 CA	127	0:00	04:49-04:59	08:14-08:31	13:28-13:57	17:42-17:48	19:00-19:00	21:38-21:38								
135	Joseph Lea, M 44 NC	154	0:00	03:14-03:15	05:29-05:33	08:52-08:52											
136	David Clark, M 43 CO	115	0:00	03:14-03:16	05:23-05:24	09:12-09:12											
137	Jaclyn Greenhill, F 37 GA	135	0:00	03:38-03:38	06:20-06:27	10:43-10:43											
138	Christopher Agbay, M 37 MA	102	0:00	04:10-04:16	08:17-08:36	15:00-15:00											
139	Douglas Gray, M 40 MA	134	0:00	04:21-04:28	08:17-08:36	15:00-15:00											
140	Rollin Perry, M 75 IA	169	0:00	05:49-05:54	10:17-10:17												

2014 HRH Results by Segment (Time to AS and Time in AS)

Place	Runner	Bib	KT	Chapman	Telluride	Kroger	Governor	Ouray	Engineer	Grouse	Burrows	Sherman	Pole	Maggie	Cunningham	Finish	TTinAS
125	Todd Salzer, M 40 CO	174	3:18 04	2:31 09	3:32 10	3:01 10	0:55 22	1:41 30	4:10 11	3:22 00							1:36
126	Paul Ralyea, M 47 DC	171	4:05 05	2:51 01	4:01 11	2:36 02	1:13 06	1:52 23	3:38 06	2:58 00							0:54
127	Rosie Warfield, F 31 HI	187	3:57 03	2:35 06	3:55 16	2:52 11	1:07 08	2:10 28	4:31 13	2:38 00							1:25
128	Rich Desimone, M 63 MT	119	4:15 03	2:59 07	3:53 10	3:08 10	1:15 04	2:02 23	4:08 28	2:51 00							1:25
129	Kristina Irvin, F 56 CA	142	4:23 03	3:00 06	4:10 12	2:59 07	1:01 08	2:15 04	4:22 11	3:09 00							0:51
130	Gary Lukacs, M 57 PA	157	3:55 01	2:49 03	4:10 10	4:01 07	1:16 01	2:29 00	4:59 06	2:27 17							0:45
131	Adam Hewey, M 47 WA	6	3:06 02	2:04 01	3:01 09	2:13 10	0:55 03	1:50 00									0:25
132	Glenn Mackie, M 52 TX	7	3:13 00	2:10 05	3:08 31	2:19 04	0:44 02	1:31 22									1:04
133	Wolfgang Hoefle, M 54 Germany	139	4:06 05	2:47 07	3:59 17	3:19 10	1:10 07	2:49 00									0:46
134	Chihping Fu, M 48 CA	127	4:49 10	3:15 17	4:57 29	3:45 06	1:12 00	2:38 00									1:02
135	Joseph Lea, M 44 NC	154	3:14 01	2:14 04	3:19 00												0:05
136	David Clark, M 43 CO	115	3:14 02	2:07 01	3:48 00												0:03
137	Jaclyn Greenhill, F 37 GA	135	3:38 00	2:42 07	4:16 00												0:07
138	Christopher Agbay, M 37 MA	102	4:10 06	4:01 19	6:24 00												0:25
139	Douglas Gray, M 40 MA	134	4:21 07	3:49 19	6:24 00												0:26
140	Rollin Perry, M 75 IA	169	5:49 05	4:23 00													0:05

Fact Sheet for the Hardrock Hundred
Start & finish in Silverton, CO, elevation 9310.
PO Box 55, Silverton, CO 81433

(Ver9AUG13)

	Overall/ Record	1992 1 st annual	1993 2 nd annual	1994 3 rd annual	1995 4 th annual	1996 5 th annual
Date	NA	July 10-12	July 9-11	July 8-10	July 7-9	July 12-14
Course length (miles)	NA	98.8	100.6	101.1	Cancelled due to SNOW	101.3
Surface: cross country	NA	8.9	9.4	10.5		12.7
Surface: trail	NA	67.9	67.3	77.8		76.2
Surface: jeep road	NA	Jeep & trail combined	Jeep & trail combined	Jeep & trail combined		Jeep & trail combined
Surface: dirt road	NA	18.0	20	11.5		11.2
Surface: pavement	NA	4.0	3.9	1.4		1.3
Course climb (feet)	NA	29,684	29,849	32,700		33,008
Average altitude (feet)	NA	11,109	11,160	11,172		11,186
High altitude (feet)	NA	14,048 - Handies	14,048 - Handies	14,048 - Handies		14,048 - Handies
Low altitude (feet)	NA	7,850 - Ouray	7,680 - Ouray	7,680 - Ouray		7,680 - Ouray
Weather	NA	Pt cloudy to cloudy. 1st night sleet, 2nd day & night showers	Pt cloudy to cloudy	Clear to pt cloudy		Clear to pt cloudy to cloudy, light showers on 2nd day
Number of aid stations	NA	12	13	12		13
Permit limit	NA	100	100	100		100
Number on Wait List - All	NA	NA	NA	NA		NA
Number on Wait List - Men	NA	NA	NA	NA		NA
Number on Wait List - Women	NA	NA	NA	NA		NA
Highest Wait List Start Number	NA	NA	NA	NA		NA
Number of starters	2378	42	35	75		91
Number & % finished	1466, 61.6%	18, 43%	26, 74%	37, 49%		42, 46%
Number of different finishers to date	618	18	33	55		82
First male, age, year, & time	Kilian Jornet 27, '14, 22:41:33	Dave Horton, 42, 32:34	Dave Horton, 43, 29:35:48	Scott Hirst, 33, 32:00:13		Rick Trujillo, 48, 30:44:17
First female, age, year, & time	Diana Finkel, 37,'09,27:18:24	Nancy Hamilton, 43, 45:47	Margaret Smith, 37, 41:38:38	Margaret Smith, 38, 38:43:09		Betsy Kalmeyer, 35, 40:43:13
Median finish time	40:33:35	44:02	41:13:45	42:59:59		43:48:16
Average finish time	39:55:15	42:04:20	40:15:41	41:50:13		41:45:24
Greatest average Climb rate (ft/hr)	1452	916	1009	1022		1074
Average age - top five, last five finishers	33.6 51.6	44.8 42.0	37.8 46.4	36.8 45.8		39.4 47.2
Average age - all finishers	44.7	41.7	41.7	41.9		43.5
Age of oldest & youngest finishers	73 21	54 29	65 30	59 27		64 31
Number of male starters/finishers	2085/1299	36/16	31/24	69/34		82/38
Number of female starters/finishers	293/167	6/2	4/2	6/3		9/4

WWW site: <http://www.hardrock100.com/>

Fact Sheet for the Hardrock Hundred
Start & finish in Silverton, CO, elevation 9310.
PO Box 55, Silverton, CO 81433

(Ver9AUG13)

	Overall/ Record	1997 6th Annual	1998 7th Annual	1999 8th Annual	2000 9th Annual	2001 10th Annual
Date	NA	July 11-13	July 10-12	July 9-11	July 7-9	July 13-15
Course length (miles)	NA	101.3	101.3	101.7	101.7	100
Surface: cross country	NA	12.7	12.7	10.7	10.7	8.4
Surface: trail	NA	76.2	77.2	52.1	52.1	51.1
Surface: jeep road	NA	Jeep & trail combined	Jeep & trail combined	26.1	26.1	23.5
Surface: dirt road	NA	11.2	11.2	12.4	12.4	16.7
Surface: pavement	NA	1.3	0.3	0.4	0.4	0.3
Course climb (feet)	NA	33,008	33,015	33,005	33,005	33,000
Average altitude (feet)	NA	11,186	11,186	11,022	11,022	11,006
High altitude (feet)	NA	14,048 - Handies	14,048 - Handies	14,048 - Handies	14,048 - Handies	14,048 - Handies
Low altitude (feet)	NA	7,680 - Ouray	7,680 - Ouray	7,680 - Ouray	7,680 - Ouray	7850 - Ouray
Weather	NA	Fri-cloudy, cool Fri night-snow storm on Handies, cold, windy Sat-clear, cool, windy Sat night-clear, cool	Fri-early rain, clearing and t-storms w/ hail late afternoon. Sat-clear early, clouds, some rain in afternoon	Fri-overcast with showers in afternoon. Sat-clear morning to partly cloudy afternoon.	Fri-thick overcast and mild all day. Snow & rain showers on Handies with clearing overnight. Sat-clear morning turning to heavy thunderstorms with hail and wind in late afternoon and all night.	Fri-overcast & mild. Showers during day, clearing at night. Sat-partly cloudy to cloudy. Showers and lightning during day.
Number of aid stations	NA	12	13	12	13	12
Permit limit	NA	110	110	110	110	110
Number on Wait List - All	NA	NA	NA	NA	14	NA
Number on Wait List - Men	NA	NA	NA	NA	14	NA
Number on Wait List - Women	NA	NA	NA	NA	0	NA
Highest Wait List Start Number	NA	NA	NA	NA	14	NA
Number of starters	2378	99	82	110	118	118
Number & % finished	1466, 61.6%	39, 39%	38, 46%	59, 54%	60, 51%	64, 54%
Number of different finishers to date	618	99	120	154	181	210
First male, age, year, & time	Kilian Jornet 27, '14, 22:41:33	Mark C. McDermott, 38, & Mark Hartell, 31, 30:33:31	Ricky Denesik, 38, 30:12:31	Blake Wood, 40, 30:10:58	Kirk Apt, 38, 29:35:00	Karl Meltzer, 33 26:39:35
First female, age, year, & time	Diana Finkel, 37,'09,27:18:24	Laura Vaughan, 31, 37:22:32	Eliza McLean, 32, 40:57:57	Betsy Kalmeyer, 38, 31:55:36	Sue Johnston, 35, 32:20:03	Betsy Kalmeyer, 40, 29:58:00
Median finish time	40:33:35	40:26:28	40:57:57	38:44:55	41:36:21	40:54:54
Average finish time	39:55:15	40:35:21	40:26:48	38:58:55	39:49:21	39:31:10
Greatest average Climb rate (ft/hr)	1452	1080	1093	1094	1116	1238
Average age - top five, last five finishers	33.6 51.6	35.8 46.8	42.0 43.0	38.8 48.2	42.8 40.8	40.2 49.0
Average age - all finishers	44.7	43.5	43.0	43.0	43.2	45.4
Age of oldest & youngest finishers	73 21	61 31	62 28	63 23	64 24	65 27
Number of male starters/finishers	2085/1299	87/36	76/34	100/53	102/51	102/57
Number of female starters/finishers	293/167	12/3	6/4	10/6	16/9	16/7

WWW site: <http://www.hardrock100.com/>

Fact Sheet for the Hardrock Hundred
Start & finish in Silverton, CO, elevation 9310.
PO Box 55, Silverton, CO 81433

(Ver9AUG13)

	Overall/ Record	2002 11th Annual	2003 12th Annual	2004 13th Annual	2005 14th Annual	2006 15th Annual
Date	NA	July 12-14	July 11-13	July 9-11	July 8-10	July 14-16
Course length (miles)	NA	Cancelled due to EXTREME Fire Danger	100.3	101.4	100.4	100.4
Surface: cross country	NA		7.3	10.1	10.5	9.9
Surface: trail	NA		55.4	59.5	61.5	61.5
Surface: jeep road	NA		22.1	19.1	16.5	16.9
Surface: dirt road	NA		15.1	12.3	11.7	11.6
Surface: pavement	NA	0.4	0.4	0.2	0.4	
Course climb (feet)	NA		33,082	33,212	32,992	32,992
Average altitude (feet)	NA		10,989	11,023	11,017	11,017
High altitude (feet)	NA		14,048 - Handies	14,048 - Handies	14,048 - Handies	14,048 - Handies
Low altitude (feet)	NA		7850 - Ouray	7870 - Ouray	7870 - Ouray	7870 - Ouray
Weather	NA		Fri- very warm morning, then hot day, sunny with a couple clouds. Evening was clear and never seemed to cool down. Sat - still hot and almost total sunshine. Evening very warm and clear.	Fri- clear warm morning, overcast by 2 PM, continued overcast until after midnight. Sat- very warm overnight, partly cloudy with sprinkles, clearing after sunrise. Partly cloudy with scattered sprinkles during daytime, very warm evening.	Fri - clear and very warm in morning, overcast building up after 4 PM, light shower over Handies. Sat - below freezing overnight, cooler during daytime and partly cloudy. Mostly clear at night and below freezing above tree line.	Fri - clear and hot before noon, thunderstorm built up from Virginus half way to Ouray; mostly clear overnight. Sat - clear and cool in morning. Squalls of rain, hail, and lightning from Pole Creek to Cunningham in midday. Clear overnight.
Number of aid stations	NA		13	12	13	12
Permit limit	NA		125	125	125	135
Number on Wait List - All	NA		75	74	99	130
Number on Wait List - Men	NA		66	64	87	118
Number on Wait List - Women	NA		9	10	12	12
Highest Wait List Start Number	NA		75	50	28	42
Number of starters	2378		112	125	125	131
Number & % finished	1466, 61.6%		69, 61.6%	80, 64.0%	71, 56.8%	81, 61.8%
Number of different finishers to date	618		235	271	300	331
First male, age, year, & time	Kilian Jornet 27, '14, 22:41:33		Karl Meltzer, 35, 28:01:55	Paul Sweeney, 38, 30:39:14	Karl Meltzer, 37, 28:29:15	Karl Meltzer, 38, 27:07:55
First female, age, year, & time	Diana Finkel, 37,'09,27:18:24		Betsy Nye, 38, 33:02:28	Betsy Kalmeyer, 43, 32:48:52	Sue Johnston, 40, 32:07:41	Betsy Kalmeyer, 45, 31:53:51
Median finish time	40:33:35		41:46:55	41:57:45	44:01:02	42:11:33
Average finish time	39:55:15		40:35:55	41:04:45	41:10:15	40:40:43
Greatest average Climb rate (ft/hr)	1452		1180	1083	1158	1216
Average age - top five, last five finishers	33.6 51.6		40.4 54.8	40.2 51.2	30.2 47.6	41.2 52.2
Average age - all finishers	44.7		47.6	46.7	44.8	45.9
Age of oldest & youngest finishers	73 21		67 27	68 24	69 25	70 25
Number of male starters/finishers	2085/1299		92/60	107/69	112/62	117/75
Number of female starters/finishers	293/167		20/9	18/11	13/9	14/6

WWW site: <http://www.hardrock100.com/>

Fact Sheet for the Hardrock Hundred
Start & finish in Silverton, CO, elevation 9310.
PO Box 55, Silverton, CO 81433

(Ver9AUG13)

	Overall/ Record	2007 16th Annual	2008 17th Annual	2009 18th Annual	2010 19th Annual	2011 20th Annual
Date	NA	July 13-15	July 12-14	July 10-12	July 9-11	July 10-12
Course length (miles)	NA	100.5	100.5	100.5	100.5	102.5
Surface: cross country	NA	9.61	10.5	10.5	10.5	10.5
Surface: trail	NA	62.88	62.1	62.1	62.1	62.6
Surface: jeep road	NA	16.56	16.3	16.3	16.3	16.3
Surface: dirt road	NA	11.26	11.4	11.4	11.4	11.4
Surface: pavement	NA	0.17	0.1	0.1	0.1	1.7
Course climb (feet)	NA	33,050	32962	32962	32962	32962
Average altitude (feet)	NA	11,019	11016	11016	11016	11016
High altitude (feet)	NA	14,048 - Handies	14,048 - Handies	14,048 - Handies	14,048 - Handies	14,048 - Handies
Low altitude (feet)	NA	7,870 - Ouray	7,870 - Ouray	7,870 - Ouray	7,870 - Ouray	7,870 - Ouray
Weather	NA	Fri - Start was mild and partly cloudy. Heavy hailstorm in Pole Creek. Clearing at night. Sat -Mostly sunny and mild day. Mild night.	Fri-clear and warm morning turned into overcast by mid afternoon. Cloudy evening. Sat-Mild and sunny. Warm evening.	Fri-light overcast and mild with thunderstorms in Pole Creek. Evening partly cloudy. Sat-partly cloudy and mild with thunderstorm after dark over Putnam.	Fri-Sunny going to light overcast. Storm in Wasatch Basin. Overcast through evening Sat-High clouds and cool, ideal running.	Fri-PCloudy to sunny. Severe t-storms over Handies. Sat-PCloudy to sunny. Severe t-storms after dark.
Number of aid stations	NA	13	12	13	12	13
Permit limit	NA	135	140	140	140	140
Number on Wait List - All	NA	149	214	206	289	446
Number on Wait List - Men	NA	129	187	181	246	393
Number on Wait List - Women	NA	20	27	15	43	73
Highest Wait List Start Number	NA	38	99	27	27	36
Number of starters	2378	134	141	140	140	140
Number & % finished	1466, 61.6%	97, 72.4%	98, 69.5%	105, 75.0%	100, 71.4%	80, 57.1%
Number of different finishers to date	618	371	403	441	478	515
First male, age, year, & time	Kilian Jornet 27, '14, 22:41:33	Scott Jurek, 34,'07,26:08:34	Kyle Skaggs, 23,'08,23:23:30	Karl Meltzer, 41, '09, 24:38:02	Jared Campbell, 30, '10, 27:18:06	Julien Chorier 31, '11, 25:17:00
First female, age, year, & time	Diana Finkel, 37,'09,27:18:24	Krissy Moehl, 30, '07, 29:24:45	Diana Finkel, 36,'08,31:09:40	Diana Finkel, 37,'09,27:18:24	Diana Finkel, 38,'10,28:32:06	Diana Finkel 40, '11, 29:27:00
Median finish time	40:33:35	38:49:40	41:37:12	39:10:00	38:49:46	39:45:00
Average finish time	39:55:15	39:03:32	40:39:41	39:05:16	39:15:17	39:41:53
Greatest average Climb rate (ft/hr)	1452	1267	1409	1339	1207	1304
Average age - top five, last five finishers	33.6 51.6	34.6 51.6	32.2 52.0	38.8 58.8	30.8 56.5	32.4 47.6
Average age - all finishers	44.7	44.5	44.6	45.4	45.7	42.8
Age of oldest & youngest finishers	73 21	71 27	72 21	73 24	67 25	61 21
Number of male starters/finishers	2085/1299	116/86	124/88	119/88	121/88	124/72
Number of female starters/finishers	293/167	18/11	17/10	21/17	19/12	16/8

WWW site: <http://www.hardrock100.com/>

Fact Sheet for the Hardrock Hundred
Start & finish in Silverton, CO, elevation 9310.
PO Box 55, Silverton, CO 81433

(Ver9AUG13)

	Overall/ Record	2012 21st Annual	2013 22 nd Annual	2014 23 rd Annual	2015 24 th Annual	2016 25 th Annual
Date	NA	July 13-15	July 12-14	July 11-13		
Course length (miles)	NA	102.5	100.5	100.5		
Surface: cross country	NA	10.5	10.5	10.5		
Surface: trail	NA	62.6	62.1	62.1		
Surface: jeep road	NA	16.3	16.3	16.3		
Surface: dirt road	NA	11.4	11.4	11.4		
Surface: pavement	NA	1.7	0.1	0.1		
Course climb (feet)	NA	32962	32962	32962		
Average altitude (feet)	NA	11,016	11016	11016		
High altitude (feet)	NA	14,048 - Handies	14,048 - Handies	14,048 - Handies		
Low altitude (feet)	NA	7,870 - Ouray	7,870 - Ouray	7,870 - Ouray		
Weather	NA	Fri - Partly cloudy and mild. Sat - Partly cloudy and mild. Mild temperatures throughout.	Fri-cloudy at start. Lightning storms developed over Handies and eastern course half. Sat-partly cloudy to cloudy with some sprinkles. Mild temperatures throughout.	Fri-partly cloudy at start. Showers building during the day with hard rain & lightning from Ouray to Sherman Sat-rain showers turning to cloudy after 4PM. Mild temperatures throughout.		
Number of aid stations	NA	12	13	14		
Permit limit	NA	140	140	140		
Number of starters	2378	140	140	140		
Number & % finished	1466, 61.6%	98, 70.0%	104, 74.3	100, 71.4%		
Number of different finishers to date	618	560	591	618		
First male, age, year, & time	Kilian Jornet 27, '14, 22:41:33	Hal Koerner 36, '12, 24:50	Sebastien Chaigneau 41, '13, 24:25:50	Kilian Jornet 27, '14, 22:41:33		
First female, age, year, & time	Diana Finkel, 37,'09,27:18:24	Darcy Africa 37, '12, 29:09	Darcy Africa 38, '13, 29:54:55	Darcy Africa 39, '14, 29:49:58		
Median finish time	40:33:35	38:23:00	40:37:06	40:51:25		
Average finish time	39:55:15	38:14:26	39:21:42	39:32:24		
Greatest average Climb rate (ft/hr)	1452	1327	1349	1452		
Average age - top five, last five finishers	33.6 51.6	30.8 49.2	39.2 52.6	36.8 49.6		
Average age - all finishers	44.7	43.5	46.3	46.5		
Age of oldest & youngest finishers	73 21	63 22	73 25	65 26		
Number of male starters/finishers	2085/1299	122/86	124/93	122/89		
Number of female starters/finishers	293/167	18/12	16/11	18/11		

WWW site: <http://www.hardrock100.com/>

Awards as of July 14, 2014

Hardrock Hundred 20 Year Awards	
1. Kirk Apt ('14)	

Hardrock Hundred 15 Year Awards	
1. Kirk Apt ('09)	2. Blake Wood ('10)
3. Randy Isler ('11)	4. Mark Heaphy ('13)
5. Betsy Kalmeyer ('14)	

Hardrock Hundred Ten Year Awards	
1. Kirk Apt ('04)	2. Ulrich Kamm ('04)
3. Blake Wood ('05)	4. John DeWalt ('05)
5. Charlie Thorn ('05)	6. Randy Isler ('06)
7. Betsy Kalmeyer ('08)	8. Mark Heaphy ('08)
9. Tyler Curiel ('09)	10. Roch Horton ('10)
11. Betsy Nye ('10)	12. Mike Ehrlich ('10)
13. Margaret Heaphy ('10)	14. Kris Kern ('11)
15. Dennis Drey ('13)	16. Chris Twiggs ('14)
17. Rick Hodges ('14)	

Hardrock Hundred Five Year Awards		
1. Randy Rhodes ('97)	2. Ulrich Kamm ('97)	3. Kirk Apt ('98)
4. Gordon Hardman ('98)	5. Blake Wood ('99)	6. Charlie Thorn ('99)
7. Jim Fisher ('99)	8. John DeWalt ('99)	9. Odin Christensen ('99)
10. David Horton ('00)	11. Randy Isler ('00)	12. Rollin Perry ('00)
13. Jan Fiala ('03)	14. Betsy Kalmeyer ('03)	15. Mark Heaphy ('03)
16. Margaret Heaphy ('03)	17. Roch Horton ('04)	18. Tyler Curiel ('04)
19. Kerry Collings ('04)	20. Dick Curtis ('04)	21. Jim Ballard ('04)
22. Betsy Nye ('05)	23. Mike Ehrlich ('05)	24. Mike Dobies ('05)
25. Joe Prusaitis ('05)	26. Chuck Kroger ('05)	27. Nigel Finney ('05)
28. Kris Kern ('06)	29. James Nelson ('06)	30. Ricki Redland ('06)
31. Hans-Dieter Weisshaar ('06)	32. Kristina Irwin ('06)	33. Karl Meltzer ('07)
34. Emily Baer ('07)	35. Scott Mills ('07)	36. Tom Garrison ('07)
37. Don Platt ('07)	38. Rick Hodges ('07)	39. Craig Wilson ('07)
40. Paul Sweeney ('08)	41. Scott Eppelman ('08)	42. Bud Phillips ('08)
43. Dennis Drey ('08)	44. Todd Salzer ('08)	45. Jared Campbell ('09)
46. Billy Simpson ('09)	47. Chris Twiggs ('09)	48. Rodger Wrublik ('09)
49. Scott Olmer ('09)	50. Murray Schart ('09)	51. Diane Van Deren ('09)
52. Scott Jaime ('10)	53. Brett Gosney ('10)	54. Glenn Mackie ('10)
55. Scott Brockmeier ('10)	56. Bruce Grant ('11)	57. Robert Andrulic ('11)
58. Larry Hall ('11)	59. Cory Johnson ('12)	60. David Coblentz ('12)
61. Lance Johnson ('12)	62. Liz Bauer ('12)	63. Ricky Denesik ('12)
64. Ted Mahon ('12)	65. Daniel Benhammou ('13)	66. Neal Taylor ('13)
67. Mike Burke ('13)	68. Greg Hartman ('13)	69. Howie Stern ('13)
70. Jean-Francois Geiss ('13)	71. Darcy Africa ('14)	72. David Pease ('14)
73. John Hallsten ('14)	74. Ken Gordon ('14)	75. Ken Ward ('14)
76. Chris Gerber ('14)	77. Paul Shoenlaub ('14)	78. Bob Combs ('14)

Hardrock Hundred High Finishers

(as of July 14, 2014)

<u>20 Finishes</u> Kirk Apt	<u>19 Finishes</u> Blake Wood	<u>18 Finishes</u> Randy Isler
<u>16 Finishes</u> Mark Heaphy	<u>15 Finishes</u> Betsy Kalmeyer	<u>14 Finishes</u> John DeWalt
<u>13 Finishes</u> Betsy Nye Tyler Curiel	<u>12 Finishes</u> Kris Kern Mike Ehrlich	
<u>10 Finishes</u> Charlie Thorn Chris Twigg Dennis Drey Margaret Heaphy Rick Hodges Roch Horton Ulli Kamm	<u>6 Finishes</u> Chuck Kroger Daniel Benhammou Don Platt Howie Stern Glenn Mackie James Nelson Jean-Francois Geiss Jan Fiala Lance Johnson Murry Schart Neal Taylor Scott Mills	<u>4 Finishes</u> Allen Hadley Bert Meyer Bill Geist Chad Piala David Wilcox Dennis Herr Diana Finkel Duane Nelson Garrett Graubins Geoff Miller Jason Poole Jeff List Jim Baker Jon Teisher Julie Westlund Matt Mahoney Michael Bur Pat Homelvig Phil Kahn Randy Wojno Rich Haeefe Stan Ferguson Thomas Knutson Thomas Schnitzius Tina Ure Tom Hayes-McGoff Tom Remkes Tom Rowe Wendell Doman
<u>9 Finishes</u> Billy Simpson Jared Campbell Mike Dobies Rickie Redland Scott Eppleman Scott Olmer	<u>5 Finishes</u> Bob Combs Bruce Grant Bud Phillips Chris Gerber Craig Wilson Darcy Africa David Horton David Pease Dick Curtis Emily Baer Greg Hartman Jim Ballard Jim Fisher John Hallsten Ken Gordon Ken Ward Larry Hall Mike Burke Nigel Finney Paul Schoenlaub Randy Rhodes Ricky Denesik Tom Garrison	
<u>8 Finishes</u> Gordon Hardman Hans-Dieter Weisshaar Robert Andrulis Scott Brockmeier Scott Jaime Todd Salzer		
<u>7 Finishes</u> Brett Gosney Cory Johnson David Coblentz Diane Van Deren Joe Prusaitis Karl Meltzer Kerry Collings Kristina Irvin Liz Bauer Odin Christensen Paul Sweeney Rodger Wrublik Rollin Perry Ted Mahon		

Hardrock Hundred Summary Table of Finishes

Year	Total Finishes to Date	Different Finishers to Date	Number of Finishers through Each Year (for the indicated number of finishes)																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1992	18	18	18																			
1993	44	33	22	11																		
1994	81	55	35	14	6																	
1996	123	82	58	10	11	3																
1997	162	99	64	19	10	4	2															
1998	200	120	78	20	10	8	4															
1999	259	154	101	28	10	6	6	3														
2000	319	181	110	40	16	3	6	3	3													
2001	383	210	129	39	20	10	4	2	4	2												
2003	452	235	134	52	21	12	8	0	3	3	2											
2004	532	271	161	47	30	12	8	5	2	1	3	2										
2005	603	300	178	54	25	16	13	3	7	9	1	4	1									
2006	684	331	189	68	26	16	12	7	5	2	0	3	2	1								
2007	781	371	213	72	32	15	15	7	7	2	2	2	1	2	1							
2008	879	403	221	84	35	19	19	4	7	5	1	4	0	1	2	1						
2009	984	441	238	95	36	21	20	10	5	2	5	3	2	0	1	2	1					
2010	1084	478	266	90	38	29	17	13	8	1	3	6	1	2	0	2	1	1				
2011	1164	515	290	99	36	32	16	12	12	2	2	5	3	1	1	1	1	1	1			
2012	1262	560	317	107	45	27	20	10	11	6	3	5	2	1	1	2	0	1	1	1		
2013	1366	591	324	120	49	28	20	12	12	6	5	5	1	3	0	2	1	0	1	1	1	
2014	1466	618	331	130	50	29	23	12	14	6	6	7	0	2	2	1	1	1	0	1	1	1