

2014 Runners Manual

July 11-13, 2014

Silverton, Telluride, Ouray, Lake City Clockwise Direction

"Esse quam videri"

Executive Rules Summary

We hope you read this manual in its entirety. But here is a summary of what we think are the important points! It is our goal to provide you a safe, well-organized and spectacular running experience. In order to do this we ask that you help us by abiding by these guidelines.

- 1. No Whining.
- 2. The Run Director has final authority on any question that may arise during the HRH.
- 3. You must leave each aid station by the posted cut-off time. If you return, it will be assumed you have abandoned your run attempt.
- 4. No littering.
- 5. No stashing of supplies along the course and no accepting aid except within 400 yards of a designated aid station.
- 6. You have agreed to be pulled for medical and safety reasons if it is determined that such action is in your best interest.
- 7. Aid station captains have the authority to act on behalf of the HRH run management.
- 8. Enjoy yourself!!!!!
- 9. Pacers may meet their runner at **CREW ACCESS AID STATIONS ONLY** except that, for the CCW direction, pacers are allowed to start pacing at KT if they hike in to the aid station on their own.
- 11. Parking restrictions apply. See section 4.2 of this manual.
- 12. You must kiss the **HARDROCK** upon your successful completion of the run.

Hardrock Hundred Runners Manual

2014 (V1.1 13JUN14) © Charlie Thorn 2014

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1. Introduction

Welcome to the Twentieth running of the Hardrock Hundred! This manual provides Hardrock Hundred runners and their crews with information to help in preparing for the 2014 run weekend and the run. Over the past years our run has greatly matured, and we are looking forward to the best run yet. We want to improve all aspects of the run, so please make notes (possibly mark up your manual and return it) so that it can be improved for next year.

1.1 Run Organization

At the center of all run organization is the Run Director (RD), Dale Garland. He has authority for all activities during the run and will work to ensure it goes smoothly. At all times during the run, he or his designee can be reached via the Amateur Radio Network or in person at the Start/Finish in the Silverton High School gym, located at 12th Street and Reese near downtown Silverton.

Travel in the mountains is difficult - please try to solve problems locally, but contact the RD immediately when local solutions don't seem to be working. The RD has final authority on any question that may arise during this event. Prior to the run you can contact him at the addresses or numbers found in the Contact List, Section 8.

2. Runner Information

The following are some general notes to help runners prepare. However, nothing can prepare you as well as getting out on the course and becoming familiar with the terrain and run conditions. This manual as well as the course description, images of the course, profiles, runner list, and other information is also available on the Hardrock Hundred Home Page at: http://hardrock100.com/

2.1 Other Reading

Apart from carefully reading this manual, other recommended sources of information are listed below. Also, attached to this manual is some historical information about finishers and course conditions. Photos of the course in DVD format may be available for sale at the Silverton High School gym.

- 1. UltraRunning magazine articles in the years 1992 to 2013.
- 2. Photos from previous years' runs. URLs for many photo sites are provided at the Hardrock web site.
- 3. Colorado's Fourteener's, 3ed. by Gerry Roach (Fulcrum, 2011). This climbers' book contains much information on the mountains and mountain safety.

2.2 The Course

The course is closed. That means that runners are required to follow the specified route. The course starts and finishes in Silverton, as it has in previous years. The start and finish will be at the Silverton High School gym, located on located at 12th Street and Reese near downtown Silverton. The run will go clockwise this year. There are now scores of ultra runners who have a good working knowledge of the course. Many of them are more than willing to lie about the course details and difficulty. Many runners also have written their web accessible impressions of the run.

The 2014 course is similar to that of 2013 except run in the opposite direction.

All sections of the course are subject to change because of snow, avalanche damage, rockslides, politics, or other occurrences. These changes may not be known until the course briefings. It is the runners' responsibility to understand and follow any changes.

2.3 The Weather

The weather is a dominant factor for this run and can be at least as formidable as the terrain, remoteness, or high altitude. It is our general opinion that the first fatality we may have will be either from hypothermia or lightning! We would rather that there never be a fatality, and so we will continually be giving you warnings, cautions, updates, and suggestions regarding the exposure you must face when attempting this run. The run date is a compromise among competing weather factors. There is usually a period of a few days to weeks each year when the snow is generally gone, but the summer "monsoon" has not yet gotten into full swing – we've tried to hit this window.

Prepare for any amount of snow! We could even have snowfall just before the run. In 1992 we went back to Handies Peak in August, just a month after the run, and found six inches of new snow on the ground! In 1997 we had an ice and snowstorm during the run. Remember, there have been avalanche fatalities in Colorado in every month of the year except September.

The usual "monsoon" pattern is a daily weather cycle, starting in the morning with blue skies. As the day warms up, thunderheads build up and around noon intense electrical thunderstorms may commence, continuing until late afternoon or evening, at which time the thunderstorms abate until the next morning. The Colorado Mountain Club advises climbers in Colorado's mountains to be off the peaks by noon. Since this may not fit in with your position on the course, you must use extreme caution. Always remember that the time limit is 48 hours. The long time limit is not only in recognition of the difficult terrain, but also allows runners to wait out thunderstorms or other life-threatening weather. You can hunker down in a valley for 2-4 hours and still finish; but, if you get fried by lightning your running career may end on the spot. Discretion is the better part of valor. Take comfort in the fact that these thunderstorms are widespread. If you are pinned down, chances are that other runners are, too. Your position in the field will probably not change. Use the time wisely - eat, drink, stay warm, and rest. You will be able to run faster when the storm has passed.

2.4 Training

You are responsible for being trained well enough to endure these mountains safely. That is why we impose entry qualifications on runners. This is definitely a "post graduate" run, and not just a harder or higher version of some other trail hundred miler. It is up to you to devise a training program that will get you to Silverton in condition to participate in what can be a very enjoyable experience.

If you can only manage a limited amount of time on the course, we would suggest you pre-run one of the sections with more "exposure" (sharp drop-offs or snow). This will allow you to calibrate your ability to handle heights against this year's actual conditions. Charlie Thorn and others will be in the area ahead of time, finalizing and marking the course. A good way to learn about this year's course is to participate in this process. See Section 9 for the course marking schedule.

2.5 Route Finding

This is not an orienteering event. We intend that you be able to concentrate primarily on running. However, remoteness, weather, animal, and people problems on the course make this problematic at best. We will mark the entire course before the run. However, long road sections and maintained trails may not be marked at all. Cross-country sections will be marked more intensely. We shall continue our trend over the past few years of less intense course marking with fewer flags along all course sections. The flags should be readily visible, even to those with red/green color blindness. The markers have reflective tags for night visibility. On some portions of the route we may place colored engineer tape. Chalk may be used to mark other sections, particularly roads in towns. Runners are responsible for knowing the prescribed course and following it whether or not markers are present.

As required by our permit and for environmental reasons, the Hardrock is a closed course run. It is up to you to stay on course. If we have lots of snow (a distinct possibility every year), it is difficult to place some markers so that they remain visible. This is because the run is often at the time of maximum rate of snowmelt, perhaps as much as 6-12 inches per day! If we mark across a snowfield one day, by the next, the markers may have capsized and sunk below the surface due to softening of the snow.

2.6 Fauna and Flora

The altitude range of this run (7,700 to 14,000+ feet) takes the runner through several climate zones. At the lower altitude, forests of aspen, pine, and spruce are common. Timberline is locally at about 11,800 feet, though this can vary greatly. Above timberline is alpine tundra and low vegetation interspersed with krummholz (low, stunted spruce, fir, and willow).

In the summer, animal life is abundant. You will almost certainly see elk in the high meadows, possibly with their young. Stay clear of elk: they can be ornery at times. Bears (black, not grizzlies) are present, though seldom seen. Mountain lions may also be encountered. The rule with these critters is to back off slowly, stand tall and raise your arms to appear larger. Try to avoid getting between any animal and its young. If you are attacked, defend yourself - a sharp whack with a stick might discourage the animal - after all, there is plenty of smaller prey out there.

2.7 Dropping Out

While no one likes to contemplate it, there may come a time when it is smarter for you to drop out than to continue. Also, you may miss the cutoff times or be pulled for a medical reason. While you are likely to be upset at that time, you **must inform** the run organization that you are not continuing. Please locate a volunteer to have your run bracelet removed. Also, it may be very hard for us to arrange transportation for you from your dropout point to the finish. You may have to wait many hours for this, as we may have to coordinate a vehicle via radio. All we can promise is a best try effort.

2.8 Cutoff Times

Cutoff times will be strictly enforced. They are provided in Attachment B and will be posted at each aid station, so there will be no ambiguity. The aid station captain is given the authority to enforce the cutoff times. The following is the rule:

YOU MUST LEAVE THE AID STATION BEFORE THE CUT-OFF TIME

If you want to go and lie on the ground outside the designated aid station boundary, it's up to you, but be advised that your chances of reaching (and hence leaving) any subsequent aid stations before their cutoff times are almost nil. If you "check out" and then come back into the aid station after the cutoff time, you are considered to have abandoned your attempt at the run. We do not like splitting hairs so finely, but wish to prevent past problems from recurring. These rules are being made clear to all, so that our aid station personnel (who also get tired and confused late at night) can concentrate on helping runners, and not on sharpening their debating skills.

You are all experienced ultra runners. We have developed these cutoff times based on previous years' results, and they are quite generous. If you miss the cutoff time, your chances of finishing are low; please try to be mature enough to recognize this. For those aid stations without cutoff times, you are responsible to get to and depart the next aid station within its cutoff.

Do not debate cutoff times with the aid station personnel! Even if you badger one of them into letting you go on, the Run Director still has the authority to deny listing you as a finisher. In addition, we may bar from future runs anyone who disobeys rules and threatens their safety or the safety of the Hardrock personnel. We have to convince the search and rescue organizations of four Colorado counties, as well as the administrators of five different tracts of federal land, that we are doing what is reasonably possible to make this a controlled event (note, we didn't say "safe" event). If they are concerned that we are not taking reasonable steps, we may lose our ability to put the run on in future years.

2.8.1 Sacking Out

If sleeping is part of your strategy for completing the run, you are responsible for providing your own equipment. The sleeping bags and other facilities at the aid stations are brought by the aid personnel for their own and emergency use only. At many aid stations shelter is limited or non-existent. All available space is required for conducting essential aid station operations - do not occupy a badly needed tent space while taking your siesta.

3. Preparing for Run Weekend

You will be more able to concentrate on having fun on run weekend if you have made all your preparations beforehand. The following notes may help.

3.1 Schedule of Events

Please be aware of what is expected of you at all times. See Section 7 for a detailed schedule. If you have any questions about the schedule or this manual, please contact run headquarters.

3.2 Accommodations

You will need to arrange accommodations for yourself and crew for this weekend. There is adequate hotel, motel, bed and breakfast, and camping accommodations in Silverton and the other San Juan Mountain towns, but the choice is limited so make your plans early. See the list of Chambers of Commerce at the end of the manual.

3.3 What to Bring

You will need to figure out what to bring with you, based on your experience and how you intend to run (solo, or with crew). The weather is variable, and you are at high altitude. A good rule is to always take at least one more warm item than you

think you will need while standing at the start. The start and some of the aid stations are at a relatively low altitude (8,000-9,000 feet) and in sheltered valleys, while most of the run takes place above 11,000 feet in exposed areas above timberline. Temperatures and wind conditions can be markedly different up high and the temperature can drop dramatically when the sun sets. Think in terms of being stuck - if you are forced to spend extra time out in the weather, you will be much better off if you have carried extra clothing or a space blanket to help you keep warm. Don't take the attitude that "I won't get stuck" - it could be beyond your control, such as an avalanche or rockslide blocking the trail. A misstep, resulting in a twisted ankle could mean a long, slow painful limp into the nearest aid station, possibly in a hailstorm. Hypothermia can be a killer, especially on tired bodies with no reserves left for generating heat.

PARTIAL GEAR CHECKLIST

Wind/rain suit Dark glasses Running pack Emergency blanket
Warm-up suit Flashlights Gloves Water bottles
Running hat/cap Spare batteries & spare bulbs Sun block Extra drop bag gear

Whistle Clothing for rain and snow and temperatures below freezing Cup – Aid Stations will NOT provide cups for drinking so plan to bring your own

4. Crew and Aid Station Protocol

We are guests in the National Forest, BLM, and private land through which we run. We have to share this land with other users so that we may all safely enjoy our weekend in the mountains. The following guidelines were prepared to help your crew if you decide to have somebody meet you around the course.

4.1 Do You Want a Crew?

Before deciding on a crew, you must understand that runners are responsible for and accountable for all the actions and behaviors of their crew and pacers before, during, and after the run. Please consider carefully if you really want to have a crew for this run. It is different from all the other 100 milers, as travel in the San Juan Mountains may be difficult and dangerous, even in daylight and under good conditions. At night, in a snowstorm, even an experienced 4WD driver may be risking their life on some of the aid station access passes. Avoiding 4WD sections means, first that your crew is in for some long drives (over 100 miles to get from Ouray to Sherman, for example), and second that they will not be able to meet you at some aid stations. Also, crew access is not allowed at some aid stations - this is part of the challenge of the run. Finally, runners are not allowed to accept aid between aid stations. Any runner who takes aid where they should not, may be disqualified. We will try to make sure that, with the available aid station supplies and your drop bags, you will be able to compete without worrying about a crew.

This is not to say that we don't want your crews to enjoy the mountains - far from it. Part of the reason for coming to the area is to get up into the high country, but we would prefer that people do it without the pressure of trying to beat runners to the next aid station, trying to meet schedules, etc. A good way to be involved is to volunteer to help at an aid station. We could always use more hands, because some of these aid stations are going to be open a long time. Contact Lois MacKenzie or Dale Garland (see list at the end of this manual) if your crew would like to do this. They will be better able to follow your progress, as each aid station will be connected via radio to the others.

4.2 Parking

Our permitting agencies (the BLM and USFS) have suggested that we reduce our impact on other users of the San Juans by limiting the number of vehicles accessing some of our aid stations - complaints have been received that crews were blocking or restricting the flow of traffic on some popular routes.

As we are beginning the process of developing an Environmental Assessment for the Hardrock Hundred, we have decided to get ahead of this issue and hence will implement the following crew access restrictions this summer:

Runners will be issued a single crew pass, allowing one vehicle to park at the Grouse Gulch and Chapman aid stations. Similar passes will be available for volunteers and media. The restricted area will be flagged, and each of these aid stations will have a traffic director. Any vehicle can transit the area, but vehicles without a crew pass will be asked to park outside the flagged area, preferably in a dispersed manner up and down the road, and walk to the aid station. In addition, Chapman Gulch is NOT a crew access area. NO crew access is allowed and any crew found parking on Ophir Pass Road risks having their runner disqualified.

Crews are encouraged to share rides and carpool to the aid stations. We will designate pickup locations where crews or spectators in extra vehicles can await rides, and we will encourage crews that do have passes to pick them up.

We have NOT asked our aid station personnel to wield a heavy hand in enforcement. However, our aid station captains have always had the power to recommend disqualification of runners whose crew behave badly or refuse to follow aid station rules. This policy will remain in force.

We ask all members of the "Hardrock Family" to be aware of and try to minimize their impact on other users of the "Alpine Triangle". This is critical to our being able to hold the Hardrock Hundred in the future.

4.3 4WD Basics for the Novice

4WD off-road vehicles are a necessity for reaching some parts of the course, and in any event much safer on mountain roads. They may be rented at a number of locations in the area. Advanced reservations are recommended. Also, please consider the smaller 4WD types as these are definitely easier to drive and park.

If you are unfamiliar with 4WD in general or your particular rental vehicle, make sure you get adequate instructions from the rental agency before venturing out into the backcountry. In particular, check the location and operation of all equipment needed to change a flat. Although cell phone coverage is spotty in the San Juan Mountains, a cell phone is now a valuable piece of emergency equipment.

4.4 Giving Your Runner Aid

Runners may receive aid from their crew **ONLY** within 400 yards either side of those aid stations at which crew access is allowed. If your crew gets to an aid station early, we suggest they locate your drop bag, open it and check the contents, and set them out ready for use. Keep in mind that your crew must not interfere with the aid station volunteers and this means that crews are not allowed in the central core of an aid station unless the runner is present.

4.5 Runners in Vehicles

Runners are not allowed to take a ride in a vehicle where it advances their progress or compensates for runner error. If they do, they are considered to have abandoned their attempt at the run. They will not be allowed to continue, and if they do, they will not be listed as finishers, and risk being barred from entry in future runs. Runners may, after checking into an aid station, rest and get warm in a STATIONARY vehicle. Once you have checked out of the aid station you may not get back into any vehicle. If you do so, you will be disqualified.

4.6 Drop Bags

Runners are allowed to provide seven drop bags. We will transport them to Cunningham Gulch, Sherman, Grouse Gulch, Ouray, Telluride, Chapman Gulch, and (of course) the finish line.

An aid station representative will pick these up at the designated location on Thursday after the runners briefing and transport them to the aid station locations. After use, make sure any recoverable items are packed in the bag and that others are properly trashed. Place the bag at the designated location for transportation to the finish line.

4.7 Pacers

Pacers are allowed to accompany runners from Ouray to the finish. Any runner over 60 years old may have a pacer for the whole distance. Pacers may meet their runner **ONLY** at crew access aid stations. Pacers are responsible for getting themselves to and from aid stations. Vehicles and non-pacer crewmembers are **NOT** allowed at non-crew access aid stations. Finally, **A RUNNER MAY HAVE ONLY ONE PACER AT A TIME.**

4.7.1 "Muling"

While the old hard rock miners were invariably accompanied by a pack animal to carry supplies, Hardrock Hundred pacers are more for moral support than for physical. The Hardrock was developed as a test of the individual against the mountains. Most runners do this anyway, but a few feel it necessary to carry their competitiveness to extreme levels, and try to gain an advantage by shifting some of their load to a pacer. However, "muling" is a violation of the rules and spirit of Hardrock. For safety reasons we do not disallow pacers, and since we cannot see what you do out in the mountains, we trust to your honor not to cheat on this in the same way as you would not short-cut, litter, or stash supplies out on the course.

4.8 What to Bring: Crew

It is just as important for your crew to bring adequate gear for their own safety and comfort as it is for the runners. The weather is variable and you are at high altitude. Also, they may be up all night and possibly out in the open, depending on

their task. We will have enough problems taking care of the runners - let's not have to evacuate crews! To help you, here is a partial list of items you might put on your list.

SUGGESTED GEAR CHECKLIST FOR CREWS

Poncho or rain suit Warm-up suit Flashlight
Day backpack Spare batteries & spare bulbs Water bottle

Pen and paper Sun block Hat

Gloves Parka or vest Dry change of clothes
Snacks/meals Fluids Book/magazine to read
This Manual Sleeping bag Insect repellent

Colorado Hiking Certificate (Search & Rescue insurance)

Road maps

4.9 Aid Station Menu

Below is generally what we plan to have at aid stations. Major aid stations have more than the standard fare. The aid stations at Virginius Pass, Engineer Pass, and Pole Creek will have a limited supply of aid because they are not accessible by any vehicles.

Energy Replacement Drink Sandwiches Pretzels
Potato chips Chicken or beef bouillon Hard candies
Cookies Coffee, tea, and hot chocolate Soda crackers
Soup Bananas Oatmeal packets

Coca-Cola products Water

5. Medical Hints for Crew

If you are out and about during the run weekend, whether supporting your runner or merely watching, you may come across a runner in serious difficulty. The following guidelines are similar to what we give to our aid station volunteers and may be of use to you, should the situation arise.

5.1 Recognize Your Limitations

The cardinal rule when providing first aid is to not hesitate to get help when you realize you cannot provide what is needed. Communications with medical personnel is your first requirement when dealing with a sick or injured person. All aid stations are equipped with a first aid kit and ham radio.

5.2 Loss of Consciousness

If you are confronted with a person who is unconscious or semi-conscious, do not attempt to feed them or give them anything by mouth that they can aspirate or breathe in. **GET HELP**, then keep the victim warm and on their side.

5.3 Injury

If someone is injured, but can get to the next aid station, either get them there or make sure they are warm and tell the aid station crew where the person is so that help can be arranged. If the person's injuries are such that they cannot be moved, do your best to keep the person warm and get help from the nearest aid station as soon as possible.

5.4 Serious Injury

If someone is badly injured, do not move them because you can do more harm than good. GET HELP FROM THE NEAREST AID STATION AND KEEP THEM WARM.

5.5 Minor Problems

Most medical problems you will see will be minor: sunburn, blisters, sprains, abrasions, and fatigue. You may also see, in the later stages of the run, runners who are extremely depleted in sugar and dehydrated. They usually will be extremely fatigued and may be nauseated and vomiting. It is best to have them lie down, get them warm, and try to get them to take sips of sugared and salted drinks. Do not let them go on if they are confused or disoriented. Again, get advice from a medical person if in doubt. Common sense approaches are the best. Use your instincts and experience, but when in doubt, keep the victim warm, do not move if seriously injured and ALWAYS GET HELP FROM THE CLOSEST AID STATION AS SOON AS POSSIBLE.

6. Search and Rescue

Unfortunately, it may become necessary for you or your crew to interact with search and rescue organizations. If so, the following guidelines are provided.

6.1 Colorado Search and Rescue

In Colorado, each county handles its own search and rescue because there is no statewide organization. In the four counties we go through, each sheriff's department is responsible for any S&R call-out in their county. They will call out volunteers, EMTs, etc., as appropriate. Each county is responsible for its' own costs of conducting such operations. If they are unable to recover the costs from the person whose life is saved, it can be quite a burden on the county. The Hardrock Hundred will be purchasing for every runner a Colorado Hiking Certificate (search and rescue insurance). Colorado Hiking certificates will be available at the Visitor Center. Runner's that arrive early can pick up their complimentary hiking permit. A portion of the fee for each certificate is used to pay for search and rescue operations. This may not pay for all of the costs of a complex operation, but at least the county will get something, and it does not have to come from your pocket - you are, after all ultimately responsible. It is highly recommended that crews and pacers purchase a Colorado Hiking Certificate. These can be purchased at sporting goods outlets throughout Colorado and at the Silverton Visitor Center. Also, remember that any and all search and rescue efforts can only be initiated by the RD or his designee.

7. Detailed Run Week Timeline

The planned program is below. We are going to be working hard the two weeks or so before the run, finalizing and marking the course, and taking care of last minute details. However, no detailed schedule is provided here. If you are involved with these activities (or would like to be) coordinate with the appropriate person (Dale, Lois, or Rick). The provisional trail marking schedule is in section 9 of the Runner's Manual.

	Friday	. July	4, 2014
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Time What		Where	Comments Meet at Courthouse and dress in red, white, and blue.	
0700	Silverton Blue Ribbon 10 K Race	Memorial Park		
1000	4 th of July Parade	Greene Street	Meet at Courthouse and dress in red, white, and blue.	
TBD	Rhubarb Festival	Memorial Park		
Dusk	Silverton fireworks show			

Saturday, July 5, 2014

Time What		Where Comments	
TBA	Trail Work	TBA	Contact Rick Trujillo

Sunday, July 6, 2014

Time What		Where	Comments		
TBA Trail Work		TBA	Contact Rick Trujillo		
TBA	D&SNG Train Ride (1 way)	Silverton Train Depot			

Tuesday, July 8, 2014

Time	What	Where	Comments	
0900 Spouse hike		Silverton School	See where your runner will be running!	
1200	Future Hardrockers Games	Silverton Track	Games for all the future Hardrockers!	
John Dewalt Rememberance		TBA	Share stories and memories.	
1730	1730 Duane Smith, "The Real Hardrockers"		Presentation and Q&A	
337 . 1 1 T	,	Silverton School		

Wednesday, July 9, 2014

Time What		Where	Comments	
1000 Q&A with Hardrock Veterans		Silverton School	Panel Q&A about what is Hardrock	
1200-1600 Runner check-in		Silverton School		
1300-1530 Hardrockers Pot Lick		Memorial Park	Share stories and food.	
1600 Trail briefing-voluntary looooong version		Silverton School		
1930	"Running the Colo Trail" Film	TBA	Scott Jaime's run on the Colorado Trail	

Thursday, July 10, 2014

Time	Time What		Comments
0800-1100 Runner check-in		Silverton School	All runners must check in by 1100 hours or lose their entry in the run.
1200	Mandatory runner briefing	Silverton School	
1315	Hard Block run	Silverton School	Kids run around the block and kiss the Hardrock
1500	Drop bag deadline	Silverton School	
1500-1700	Hardrock BOD Meet and Greet	Silverton School	
1800-2000	San Juan County S&R Fund Raiser Dinner	Grumpy's Restaurant	In Grande Imperial Hotel

Friday, July 11, 2014

Time What		Where	Comments		
0430 Breakfast		Local Restaurants-TBA			
0500-0545 Mandatory runner check-in		Silverton School	Runners not checked in by 0545 will lose their entry.		
0600	Start	Silverton School			

Saturday, July 12, 2014

Time What		Where	Comments
On-going Still busy/info available		Silverton School	

Sunday, July 13, 2014

Time What		Where	Comments
0600	Last official finisher	Silverton School	
0700	0700 Runner and S&R status summary		
0900	Awards banquet/ceremony	Silverton School	
1200	End of runner activities	Silverton School	

7.2 Aid Station Locations & Cut-off Times

				Crew Access	Absolute
Aid Station	Access	Mileage	Facility	/Drop Bag	Cut-off Time
Silverton-Start	Auto	0.0	RDFWM	Yes/Yes	Fri-0600
KT	4WD	11.5	RFW	No/No	Fri-1245
Chapman Gulch	Auto/4WD	18.1	RDFW	No/Yes	Fri-1600
Telluride	Auto	27.8	RDFWM	Yes/Yes	Fri-2000
Kroger Canteen	Hike	32.7	RFW	No/No	None
Governor Basin	Auto	35.9	RFW	No/No	None
Ouray	Auto	43.9	RDFWM	Yes/Yes	Sat-0315
Engineer	Hike	51.9	RFW	No/No	None
Grouse Gulch	Auto	58.4	RDFW	Yes/Yes	Sat-1030
Burrows Park	Auto	67.6	RFW	No/No	None
Sherman	Auto/4WD	71.9	RDFW	Yes/Yes	Sat-1630
Pole Creek	Hike	80.8	RFW	No/No	None
Maggie Gulch	4WD	85.1	RFW	No/No	None
Cunningham Gulch	Auto	91.2	RDFW	Yes/Yes	Sun-0200
Silverton-Finish	Auto	100.5	RDFWM	Yes/Yes	Sun-0600

Facility key: (R)adio, (D)rop bags, (F)ood, (W)ater, (M)edical

Times in military (24 hours clock) time.

RUNNERS MUST DEPART THE AID STATION BY THE CUTOFF TIME

7.3 Solar and Lunar Data, Mountain Daylight Time at Silverton, CO (W107°40', N37°49')

2014	July 11	July 12	July 13
Begin astronomical twilight	0406	0407	0408
Begin nautical twilight	0449	0450	0451
Begin civil twilight	0527	0528	0529
Sunrise	0558	0559	0559
Sunset	2034	2034	2033
End civil twilight	2105	2104	2104
End nautical twilight	2143	2142	2142
End astronomical twilight	2225	2225	2224
Moonrise	1948	2040	2127
Moonset	0512	0620	0734
Illumination of moon (at midnight)	98%	100%	99%

Data source: http://aa.usno.navy.mil/data/

Aid Station	Latitude	Longitude	Northing**	Easting**	Latitude**	Longitude**
Silverton-Start	37°48.663'**	107°39.385'**	4,187,970	266,150	37°48.663'	107°39.385'
KT	37° 47.531'*	107° 47.555'*	4,186,220	254,100	37°47.528'	107°47.553'
Chapman Gulch	37° 51.317'*	107° 48.331'*	4,193,320	253,350	37°51.351	107°48.209'
Telluride	37° 56.099'*	107° 48.379'*	4,202,130	253,370	37°56.109'	107°48.376'
Kroger Canteen	37° 57.708'*	107° 46.306'*	4,204,990	256,550	37°57.706'	107°46.265'
Governor Basin	37° 58.928'*	107° 45.675'*	4,207,190	257,530	37°58.910'	107°45.641'
Ouray	38° 01.032'*	107° 40.607'*	4,212,080	254,435	37°01.675'	107°40.343'
Engineer	37° 59.156'*	107° 36.277'*	4,207,170	271,320	37°59.114'	107°36.230'
Grouse Gulch	37° 55.053'*	107° 33.499'*	4,199,590	275,170	37°55.077'	107°33.460'
Sherman	37° 54.049'*	107° 25.986'*	4,197,400	286,270	37°54.054'	107°25.851'
Pole Creek	37° 48.180'*	107° 28.400'*	4,186,550	282,250	37°48.134'	107°28.396'
Maggie Gulch	37° 49.131'*	107° 32.187'*	4,187,950	276,810	37°48.812'	107°32.125'
Cunningham Gulch	37° 47.611'*	107° 34.680'*	4,185,900	273,050	37°47.649'	107°34.648'
Silverton-Finish	37°48.663'**	107°39.385'**	4,187,970	266,150	37°48.663'	107°39.385'

^{*} Lat/Long data from Greg Hine

^{**} Data from Rick Trujillo (UTM & Lat/Long Coordinates from Map Measurements (NAD CONUS datum) (Zone 31 S)

8. Contact List

8.1 Run Management

The following is contact information for the run organizers. If you have questions regarding lodging or area facilities, please see the next section.

Aid Station Director Hardrock Board of Directors President **Run Director** Dale Garland Lois MacKenzie Kris Kern 751 46th Street 195 Ball Lane P.O. Box 33 Durango, CO 81301 Silverton, CO 81433 Los Alamos, NM 87544 (970) 259-3693 (970) 946-1058 (505) 500-7248 (970) 769-2872 (C) skunkears-yahoo.com Kernkt-cybermesa.com Hardrock100-bresnan.net

Medical Coordinator Pacer Coordinator Course Director Leo Lloyd Andrea Feucht Charlie Thorn 22 E. Animas Village Lane 4501 B Ridgeway PO Box 74 Durango, CO 81301 Cedar Crest, NM 87008 Los Alamos, NM 87544 (970) 259-1651 (505) 662-2397 (505) 920-8848 llloyd-gobrainstorm.net andrea-tenacity.net thorncha-gmail.com See http://bit.ly/hr100pacers (pacer/runner spreadsheet)

Trail Work Coordinator
Rick Trujillo
Rstrux-rmi.net
Communications Directors
Steve & Shauna Blaylock

Steve & Shauna Blaylock Ssblaylock-gmail.com **Course Flag Pulling Director** Betsy Kalmeyer

Falcons.14sf-gmail.com

Hardrock Hundred Web Sites: http://hardrock100.com/

8.2 Area Information

While you are in the area, plan on spending a little extra time enjoying the many summer activities. For help in planning your stay in the San Juans, here are some helpful contact addresses:

 SILVERTON CHAMBER OF COMMERCE
 OURAY COUNTY CHAMBER OF COMMERCE

 1450 Green St, PO Box 565
 PO Box 145

 Silverton, CO 81433
 Ouray, CO 81427

 (970) 387-5654
 (970) 325-4746

 (800) 752-4494
 (800)-228-1876

 http://www.silvertoncolorado.com
 http://www.ouraycolorado.com

LAKE CITY CHAMBER OF COMMERCE
PO Box 340
TELLURIDE TOURISM BOARD
PO Box 1009

Lake City, CO 81235

(970) 944-2527

Telluride, CO 81435

(970) 369-1177 X304: general information & lodging

http://www.lakecityco.com http://www.visittelluride.com

8.3 During the Run

If you need to get hold of someone during the run, the point of contact is the Run Director, Dale Garland. He may be reached at the Start/Finish area. **DO NOT** call his home phone number in Durango – you will just annoy his wife and he's not there!

9. Tentative 2014 Course Marking Schedule

This schedule is subject to change. For additional information, contact Charlie Thorn (thorncha-gmail.com).

Marking and surveying the Hardrock course will be strenuous and provides participants the opportunity to acclimate as well as to see the course first hand. Runners not familiar with the course are strongly advised to participate. All the participants are responsible for their own equipment, food, transportation, etc. These efforts will usually be full day affairs of hiking and running and may be conducted at a slow pace, so be prepared.

As in past years we plan to mark some of the course in parallel with some others and Charlie Thorn leading independent teams some days. This is done in order to mark the course in fewer days than in past years and there will be more backup days in the event of course problems. Further, it will provide opportunities for runners to explore other trails in the San Juan Mountains on the backup days. If you find that you want to see sections that are being simultaneously marked, you should use one of the backup days to learn the other route.

Below is the tentative schedule for surveying and marking the course. Interested runners and crew are invited to participate in all or portions of the effort. Although transportation for each day's efforts **MAY** be available, none is promised. The general plan is to meet at Charlie Thorn's house in Silverton, 1354 Reese St., at 7 am each day, unless otherwise stated. From there, we will go to the course section to be worked that day. Because the schedule will likely change, based on course conditions or personal quirk, persons interested in working on the course should coordinate the schedule the day before with Charlie in order to be sure the schedule is accurate. Charlie's house will serve as the course marking coordination point.

This Schedule Is Subject to Change

Date	Course Section	Comments
Monday 6/30	Bear Creek (Silverton) to KT to Ice Lake Trail	Begin at 9 AM at Charlie's house – 1338 Reese Shuttle vehicles
Tuesday 7/1	Ice Lake Trail to Chapman Gulch	Shuttle vehicles
Wednesday 7/2	Chapman to Telluride	
Thursday 7/3	Telluride to Virginius Pass Virginius Pass to Governor Basin	Separate parties meet on Virginius Pass
Friday 7/4	Backup if needed.	Blue Ribbon 10K Run & Parade in Silverton Silverton Parade
Saturday 7/5	Grouse to Sherman	4WD shuttle Ouray trail work concurrently. Contact Rick Trujillo (rstrux-rmi.net) to reserve your place.
Sunday 7/6	Maggie Gulch to Cunningham Gulch Cunningham Gulch to Silverton	Trail work concurrently. Contact Rick Trujillo (rstrux-rmi.net) to reserve your place.
Monday 7/7	Bear Creek Trailhead to Engineer Pass Bear Creek Trailhead to Ouray	
Tuesday 7/8	Remaining sections	
Wednesday 7/9	Open	
Thursday 7/10	Strip course	Contact Betsy Kalmeyer, Falcons.14sf-gmail.com
Friday 7/11	Strip course	for details.
Friday 7/11	Strip course	

10. Directions to Crew Access Aid Stations

Except where otherwise noted, these directions are for finding the aid stations if you start in Silverton.

10.1 Chapman Gulch (crew access only in counter clockwise years)

4WD from Silverton. Take US 550 west from the south end of Silverton. Near MP 75, turn west onto the Ophir Pass Road. This intersection is marked with a large green sign. Take the dirt road to Ophir Pass (11,800'). The road becomes noticeably rougher and steeper on the two-mile descent to the aid station at the south turnoff toward Swamp Gulch. Although rougher roads exist in the San Juans, this section is not for the faint of heart. Park at Iron Springs which is at the first left (S) hand turnoff below the Chapman Gulch stream crossing and below the Blixt road coming in off Oscar's Pass from the north. The aid station is about 0.25 miles southeast on this road just before the locked gate at Howard Fork. Crews will be required to park on the Ophir Pass road and walk the 0.25 mi to the aid station. Parking will be restricted to one side of Ophir Pass and may be monitored. Detail to be given at the runner briefing.

Alternate 2WD from Telluride. Exit Telluride on Main Street and go west about three miles to SR 145. Turn left (S) and go about 10 miles to the Ophir Pass road. This intersection is marked with a green sign. Turn left (E) passing through the hamlet of Ophir, taking care not to lose you muffler on the speed bumps. As you leave Ophir, note a number of new houses as the road enters aspen forest. About a mile from Ophir, cross (no bridge) the creek flowing in from the north, continue east about one quarter mile to the old red mine dumps at Iron Spring. At these red mine dumps, there is a primitive road heading southeast. The aid station is about 0.25 miles southeast on this road just before the locked gate at Howard Fork. Crews will be required to park on the Ophir Pass road and walk the 0.25 mi to the aid station. Parking will be restricted to one side of Ophir Pass and may be monitored. Detail to be given at the runner briefing.

10.2 Telluride

<u>Auto</u>. From the courthouse in Telluride, go east on Colorado Ave (the main street) to the Telluride town park area. Turn right and immediately cross the bridge toward the white canopy and baseball field. Parking is limited both by the number of spots available and a two hour time restriction for occupying a spot. Crews who plan to spend more than two hours at the station should consider unloading their runner's gear and finding a spot back east of the river. Be aware that parking on most streets in Telluride requires a paid stamp-- the machines are to be found in most blocks.

10.3 Ouray

<u>Auto</u>. Take US 550 over Red Mountain Pass to Ouray. Go to the north end of the main business district where the famous Ouray Hot Springs swimming pool is located. Turn west into the swimming pool parking lot. The aid station will be on the northeast side of the swimming pool parking lot where the restrooms are located.

10.4 Grouse Gulch

<u>Auto</u>. Take CR 2 NE from Silverton about 10 miles to sign stating Picayune Gulch. Just beyond the sign and just before the Animas River Bridge turn left (NW) onto a dirt road. The aid station is on the flats southwest of the bridge and close to the main road.

10.5 Sherman & Burrows Park

<u>4WD</u>. Take CR 2 NE from Silverton to Animas Forks (~11 miles) and continue on county roads over Cinnamon Pass (~5 miles beyond Animas Forks). Signs mark the road turns. From Cinnamon Pass, continue east toward Lake City approximately 11 miles to Burrows Park. **CREWS MUST NOT STOP AT BURROWS PARK AID STATION.** The Sherman turn-off is about 4 miles SE of Burrows Park. You'll know you're close to the Sherman turn when the road becomes significantly better at the bottom of the shelf road. Look for the BLM sign that faces Lake City. Turn sharply right (W) on the Sherman road, one mile to the BLM latrine and Cascade Creek trailhead where the aid station is located.

Alternate 2WD from Lake City. From Lake City, take SR 149 south to the turnoff to Lake San Cristobol road. Turn on the Lake San Cristobol road and continue past the lake to the end of the pavement. Continue on CR 30 about 14 miles to signed turnoff to Sherman. Go one mile to the BLM latrine and the Cascade Creek trailhead where the aid station is located.

10.6 Cunningham Gulch

<u>Auto</u>. Take CR 2 NE from Silverton 4 miles to Cunningham Gulch following the signs to the Old Hundred Mine Tour. Just after crossing the Animas River Bridge at Howardsville, turn right (S) on the CR 4 toward Stony Pass. At 2 miles, DO NOT ANGLE LEFT to Stony Pass and DO NOT TURN LEFT to the Old Hundred Mine; instead, angle right (SW) toward the Highland Mary trail head, staying along the left (W) side of the stream. At less than 2 miles above the Stony Pass Road, note the corral on the right (W). Go about 300 meters beyond the corral (S) to a large clearing beyond a thicket of willows. The aid station is in the clearing between the road and the creek.

Crew Rules at HRH Aid Stations

The purpose of the Hardrock Hundred Aid Stations is to give each runner aid in their attempt to reach the finish line. As long as crews share this purpose they are welcome at the **CREW ACCESS** aid station. If a crew chooses to ignore the following guidelines then their runner is at risk of being disqualified.

The Hardrock Hundred 10 Crew Commandments

- 1. The aid station captain is in charge of the aid station. It is up to them as to how the aid station will be organized and where crews will be allowed.
- 2. Crews are allowed into the aid station only when their runner and pacer are present.
- 3. Pets are not allowed in the aid station. In your vehicle? Sure, but please keep them restrained at all time.
- 4. Children are allowed within an aid station **ONLY** under the **DIRECT** supervision of an adult. This includes the start/finish in Silverton.
- 5. Food, drink, blankets, medical supplies, etc. at the aid stations are provided for the comfort of and use by the runners and their pacers.
- 6 Crews are asked to help us protect the fragile environment that we utilize. Please pack out all trash and equipment when you leave.
- 7 There are no bathroom facilities at most aid stations. Please keep this in mind and help us protect this part of the country.
- 8 Excessive noise, raucousness, and partying are not part of an effective aid station. Please save your celebrations for when your runner crosses the finish line!
- 9 Pacers may meet their runner at **CREW ACCESS AID STATIONS ONLY** except that, for the CCW direction, pacers are allowed to start pacing at KT if they hike in to the aid station on their own.
- 10 Parking restrictions apply. See section 4.2 of this manual.
- 11 Crew may give runners aid within 400 yards of the aid station. Please do not go out on the course and give aid between aid stations nor should runners or their crew stash aid for runners along the course.

Crew Access Aid Stations for the Hardrock Hundred are:

Silverton, Cunningham Gulch, Sherman, Grouse Gulch, Ouray, Telluride, and (in CCW years) Chapman

Remember, runners are responsible for and accountable for the actions and behaviors of their crews and pacers before, during, and after the run.

Hardrock 100 Mountain Run

2014 Course Information by John Cappis with input from Charlie Thorn

INTRODUCTION

In this section of the runners package we will briefly discuss the philosophy for the routing and marking of the course, review the course dedication, present some general information about the places along the course, discuss course marking to reinforce what is already put into the package, review the history of the course since the start of the Hardrock run, and present a detailed description of the course for the clockwise direction.

PHILOSOPHY

The course is designed to bring the runners into to the four major mining centers of the San Juan Mountains; Silverton, Telluride, Ouray, and Lake City, while staying as much as possible on trails and abandoned roads originally created by the miners to give the participant the maximum feeling of wilderness. As noted in the information you received with the entry form for entering this run, this course offers a graduate level challenge for endurance runs. The course is designed to provide extreme challenges in altitude, steepness, and remoteness. The extremes in altitude allow you to travel through four life zones. Care is taken to route the course so the runners exert a minimum impact on the environment. Mountaineering, wilderness survival and wilderness navigation skills are as important in this event as your endurance. The remoteness and wild nature of the course have dictated that Charlie Thorn, Course Marking Director, and I use a different marking approach than you may have encountered at other runs. We expect the individual runners to have enough knowledge about the course that they can follow it without markers. You need to decide how to best equip yourself to meet this requirement. Methods that others have used include spending as much time as possible on the course before the runs, possibly with the group that installs the markers or relying on the written description and maps along with their navigation skills. The markers we do put into the field should be considered as minimal navigation aids. For first time runners who are used to courses that are marked with a nearly continuous set of ribbons and/or glo sticks from start to finish, be prepared to change your expectations. There are sections where the runner will go for several miles without seeing a marker. We will elaborate more on marking later. Each entrant must be willing to accept individual responsibility for being able to negotiate the course regardless of number or location of markers.

DEDICATION

In the 1860s, hardy prospectors began to come into the San Juan Mountains to search initially for gold but soon including silver. The initial focus was in the vicinity of Bakers Park (current location of Silverton) but soon spread to the surrounding area. The establishment of permanent settlements in the San Juan Mountains was well under way in 1870's when Silverton was incorporated. By the end of the nineteenth century there was a veritable army of prospectors climbing among the lofty crags in hopes of making a fortune mining the minerals hidden between the peaks and in the valleys. Most of the towns, cabins, stamp mills, aerial tramways, tipples, smelters, and adits the miners built or dug have succumbed to the ravages of the elements. Large piles of unproductive rock (tailings) mined from the steep hillsides are often the only remaining visible evidence that once here labored men with dreams of finding buried wealth. Foot trails, burro trails, wagon roads, and railroads were constructed for transporting working materials to the mining sites and hauling ore from the mines to the markets. This run follows routes laid out by the miners and is dedicated to their memory.

Version 2014

GENERAL INFORMATION

The HARDROCK 100 is a mountain run that passes through some of the most beautiful and rugged mountains in the world. It has been designed to give the runner a solid overview of the various types of terrain in the area. In places you will be on nearly vertical cliffs with the trail being a shelf blasted across their faces. In contrast, you will encounter high open valleys with grassy meadows in the bottom and large stands of uncut evergreens along the sides. Elevation changes range from a high of 14,048' to a low of 7680'. The total vertical climb and descent, accumulated while crossing thirteen ridges over 12000' in elevation, is about 66,000 feet. Much of the route is at elevations above tree line and on a clear day, views for distances over 50 miles are common. At this time of year there will be water everywhere giving rise to the early blooming wild flowers and creating spectacular falls.

The 2014 course will start and finish at the Silverton High School in Silverton, Colorado and will be run in the clockwise direction. Most of the route will follow the 2012 course with minor exceptions, except that we will follow the regular Bear Creek/Wasatch Basin trail route followed earlier. In contrast to the counter clockwise running this year, 2014, **Chapman Gulch will NOT be a crew access station**. Please adjust your drop bag thoughts accordingly. Further, there will be a minimal aid station at Burrows Park with no crew access or drop bags.

Enclosed in this section of the manual is a table of cut off times. The cut off times for stations in the early and middle stages of the run are longer than the historic 48 hour cut off times derived from runners' performances in previous years. This is to allow runners the opportunity to sit out a thunder/lightening storm and still have an opportunity to finish. The two columns you should use to anticipate your pace are the historic 48 and the absolute cut offs. The historic 48 hour times are based on a weighted average of runners from the 2004 and 2006 runs who finished between 47:30 and 48:00 hours. The times given are the times for arriving at the aid station and have stay times at previous stations included. The absolute cut off times are based on a steady pace weighted for difference in uphill and downhill pace. The historic 48 projection has always shown a slowing in pace as the run progresses. Those runners who plan to be close to the 48 hour limit should keep in mind the difference between the historic finish time paces and the absolute cut offs when deciding when to reach each aid station. There are rare instances when runners have proven it is possible to be close to the absolute cut offs at the early stations and still finish under the 48 hour cut off, but these are really the exception rather than the rule.

As you read the route description, you will find many references to the bruin family. There are now three Bear Creeks and a Grizzly Gulch on the course:

- 1. One is the Silverton Bear Creek between Mineral Creek crossing to Putnam Basin.
- 2. A second is the Telluride Bear Creek between Wasatch Saddle and the town of Telluride.
- 3. A third is the drainage we refer to as Ouray Bear Creek between the Oh Point Road on Engineer Pass and the Uncompanger River. The ruins on the shelf part of the Ouray Bear Creek are the remains of the Grizzly Bear Mine.
- 4. The route between the summit of Handies Peak and Burrow's Park is via Grizzly Gulch.

Incidentally, there is still the possibility of seeing a real bear on the course as has now been proven in several of the runnings including one in 2007.

Every attempt will be made to follow the course as presented in the mile by mile description, but changing snow conditions and/or who knows what may necessitate a last minute change. Please be prepared to accept such changes up to and including run day. Every attempt will be made to render a decision based on runner safety and ability to field aid stations of whether to hold the run or not. It may be that the snow will be in such a condition that the runners can safely negotiate it, but it will be impossible to field all the aid stations. One possible result of this last scenario is that runners will need to carry their own supplies for longer distances on some legs.

Version 2014

This is a *dangerous* course! In addition to trail running, you will do some mild rock climbing (hands required), wade ice cold streams, struggle through snow which at night and in the early morning will be rock hard and slick and during the heat of the day will be so soft you can sink to your knees and above, cross cliffs where a fall could send you 300 feet straight down, use fixed ropes as handrails, and be expected to negotiate the course with or without markers. See philosophy above. Much of the time you will have wet feet and it is recommended you have dry shoes in your drop bags and dry socks in you pack. Feel free to include any specialized equipment such as ice axes, crampons, snow shoes, or skis that you are willing to carry between drop bag stations as part of your paraphernalia.

As part of the course description package you will find the following:

- 1. A clockwise Hardrock 100 altitude profile graph from 2006. It's the same for 2014.
- 2. A short glossary of "jargon" words.
- 3. A table of the aid station opening and cut off times along with a table containing a summary of the legs between the major mining camps of Silverton, Telluride, Ouray and Sherman representing Lake City. There will be no absolute cut off times at Virginius Pass, Governor Basin, Engineer, Pole Creek, or Maggie Gulch.
- 4. A mile by mile description of the course with mileage in brackets and the altitude (in feet). All mileage used was obtained by a combination of ground wheel measurements and map measurements and totals 100.5 miles. Accuracy of total mileage is estimated to be within +/- 2 miles. Cumulative vertical climb and descent is given as 66,248 feet and should be regarded as the lower limit for the course. In regard to route designations for reference to maps, we have used several designation schemes. The listings in the trail description are as follows, the Drake map designation, followed by the forest service designation if different from Drake, and finally by the Colorado Atlas and Gazetteer designation if different from the other two. FR and TR are forest service designations meaning forest road and forest trail while RD is the road designation obtained from the Colorado Atlas and Gazetteer. See the glossary for an explanation for single words, such as acrophobia, listed for specific locations.

A "Drake Mountain Map" with the route marked can be a useful tool for the run. (This is the official map for the run.

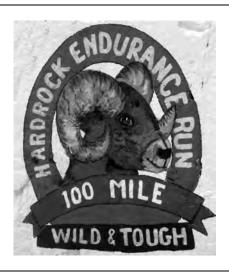
COURSE MARKING

The primary marking for the course is a specially designed marker. The marker consists of metal rod fitted with a metal plate that is covered with a reflective label. The major markings shown on each side of the label are shown below

HARDROCK 100

Trail Run Marker **PLEASE**

Do Not Remove Before July 30



The color of the reflectors varies and may be blue lettering on a yellow background, black lettering on a silver background or red lettering on a silver background. The markers were first used starting in 1993 and have proven to be relatively impervious to the 1992 problem of the marmots (low grade ground hogs) eating the flags. A hog nose ring (idea from John Dewalt) is used to attach the plates to the rod. This allows the plates to move in the breeze making them easier to see. In addition to the metal reflectors, fluorescent orange plastic flagging will be added to the rods. This aids greatly in locating the markers during daylight hours when the markers tend to blend with the vegetation. A minimum length of plastic flagging is used because too long a length tends to get tangled in the mounting ring and keeps the plates from moving. It is suggested that you take the time upon your arrival in Silverton to go and test your light on one or more of the markers to be sure the light will adequately reflect from it.

Markers are stuck in the ground or, in a very few cases, mounted on signs or posts. Every attempt is made to always place the metal markers so they will be on the left side of the runner. Other markings, such as white chalk lines may be used in towns and on major roads. Besides marmots, these markings may be removed by humans, or, especially in the Pole Creek area, by elk. It is expected that you will be able to negotiate the course either with or without markers. Map studies and training on the course are two ways of obtaining this ability. Course marking begins two weeks before the run and is finished by the Tuesday prior to run day. You are welcome to join any or all of these sessions. A schedule for marking is included in your packet.

The entire course is not marked with a continuous set of trail markers. On very good trails, such as the Cataract Lake section from Sherman to the waterfall and in Grizzly Gulch from timberline to Burrows Park, there will be few or no markers. Otherwise on good trails markers are placed at about 1/4 mile intervals. For road sections, like the Camp Bird, Engineer Pass, and Cinnamon Pass roads, markers are normally only placed at intersections and it may be a couple of miles between markers. For cross country sections where all runners are expected to pass in daylight, markers between intersections on secondary trails and cross country are placed at about

50 yard intervals. For night sections, this distance is reduced to be about the range of a good light. However, the storm that caught the second night runners in 2000 left clouds hanging on the route that severely limited the runners lights from picking up the next markers. Again, we want to emphasize the importance of knowing the course and being able to navigate it without needing makers as a guide. Intersections are marked with multiple markers placed at 5 to ten yard intervals.

It is possible that a limited aid station will be provided at Burrows Park. Including the Silverton start/finish, we plan to have thirteen manned aid stations on the course. All but Burrows Park are indicated on the altitude profile in capital letters and on the trail map with an A. Those followed by a C on the altitude profile will be crew access stations. Telluride, Ouray, and Sherman will be major medical stops, i.e. provide the most assistance for medical needs and easier transport for more professional care. Chapman Gulch, Telluride, Ouray, Grouse Gulch, Sherman, and Cunningham Gulch will be locations for bag drops and, except for Chapman, crew access. (Chapman Gulch is NOT a crew access aid station in clockwise years.) Pole Creek, Engineer and Virginius Pass are stations that are set up by packing the supplies to them, either on horses or in back packs, and may have limited offerings for food and definite limitations on getting you evacuated for medical attention. Helicopters have been sent to Pole Creek three times in the history of the run to evacuate a sick or injured person. It is planned to have cans of water at Burrows Park for a serve yourself station.

The USGS 7.5 minute maps containing the route are listed below. Other useful maps include the Drake Map of the Mountains of Silverton, Telluride, and Ouray (2000) (the official run map), USGS 1/50000 county maps for San Juan, Hinsdale (2sheets), Ouray (south sheet) and San Miguel (eastern sheet) counties of Colorado, U.S. Forest Service maps for Uncompahgre, San Juan, and Rio Grande National Forests, and the book "Colorado Atlas and Gazetteer-Topo Maps of the Entire State". Familiarity with the route, even from an arm chair, will greatly increase your confidence and enjoyment of the run. Extra copies of the Drake Mountain Maps are available for purchase from run management.

USGS 7.5' QUADRANGLE MAPS

Silverton	Howardsville	Pole Creek Mountain
Redcloud Peak	Handies Peak	Ironton
Ouray	Telluride	Ophir

COURSE HISTORY

In the fall of 1991, Gordon Hardman placed a notice in Ultrarunning magazine that in the summer of 1992 there would be a 100 mile run in the San Juan Mountains of southwestern Colorado. I contacted Gordon and asked what his thoughts were for a course. The general approach was to bring the route as close as possible to Silverton, Lake City, Ouray, and Telluride, the four major mining towns of the San Juan district. The original thought was to change the start/finish between towns each year to add variety to the run. I volunteered to try and lay out a course, keeping in mind the idea of connecting the towns while at the same time selecting routes that would be on trails as much as possible. By January of 1992 a route developed entirely from map studies was available. Charlie Thorn then became active in the process and by April the necessary government permits were obtained. In June, Charlie, Rick Trujillo, Gordon and I spent many days making sure the chosen routes were feasible and in making field adjustments, including addition of the Dives Little Giant section only one week before the run. The course was run in the clockwise direction with a nominal length of 98.8 miles and an accumulative vertical gain of 29684 feet. Start and finish was in the Silverton city park with a large tent serving as run headquarters. The major points on the first course were the Shrine Road, Highway 550, South Mineral Creek Road, Ice Lake, Island Lake, Grant Swamp Pass, Chapman Gulch, Oscar's Pass, Wasatch Basin, Telluride Elks Park, Mendota Pass, Virginius Pass, Governor Basin, Ouray Box Canyon Park, Uncompandere River Dam, Engineer Pass, Grouse Gulch, American-Grouse Pass, Handies Peak, Grizzly Gulch, Burrows Park, Cinnamon Pass Road, Sherman, Cataract Lake, Main fork of Pole Creek, West fork of Pole Creek, Maggie Gulch at Stamp Mill, Buffalo Boy Ridge south approach, Rocky gulch, Stony Pass Road, Cunningham Gulch, Dives Little Giant, Arrastra Gulch, State Route 110, and the Finish. After this first year,

it was decided to keep the start/finish permanently in Silverton, reversing directions every running of the event.

In 1993 the course was run in a counter clockwise direction and the nominal length was 100.6 miles with an accumulative vertical gain of 29,849 feet. The only major course change that was made from the 1992 course was moving the Ouray aid station from the Box Canyon Park to the park near the swimming pool.

1994 saw a number of major course adjustments for a clockwise running, resulting in a length of 101.1 miles with 32,698 feet of accumulative climb. The start/finish was moved to the old Kendall Mountain Ski hut. After the 1993 run, Ulrich Kamm purchased a number of old maps and books of the Silverton area. In them he discovered a potential route for bypassing the South Mineral Creek Road. Subsequently, Charlie and I found the trails Ulrich advocated and adopted the Silverton Bear Creek-Porcupine Creek-Kamm Traverse routes. This necessitated that some other major adjustments be made to the course in order to stay close to the 100 mile distance. The first adjustment was to use the original Island Lake trail from lower Ice Lake Basin, eliminating the need to go to Ice Lake. The second was to adopt a route on Handies Peak that required an out and back leg from the Boulder/American saddle to reach the summit. After returning to the saddle, a combination of animal or old mining trails were followed along the southwest ridge of Handies peak then along the Boulder Gulch stream to Cottonwood Creek where a seldom used jeep road is followed to Sherman. This eliminated the need to be on the very popular Cinnamon pass road. Other changes that were made included bypassing the Uncompaghre Dam, at the request of the owner, inserting the roped river crossing, across the Uncompaghre River, and substitution of the beaver pond trail section from Arrastra Gulch to the Finish for highway 110.

After canceling the 1995 run because there was too much snow, 1996 became a counter clockwise year with a course of 101.3 miles and 33,008 feet of climb. Safety and environmental impact concerns led to a modification of the course between the Buffalo Boy Tram Shed and Maggie Gulch. This consisted of moving the crossing point farther north on the ridge then using the trails and jeep roads past the Little Martha Mine. The Maggie Gulch aid station was moved to the stream crossing on the Little Martha road. This was the year the Telluride aid station was moved to the town park with the modification of the routes for getting into and out of town.

In 1997, the advertised distance for a clockwise run was still 101.3 miles with 33, 008 feet of climb, but a modification of the course during marking probably changed these values. A large snow cornice was hanging above the Little Martha Mine valley in Maggie gulch, so rather than expose the runners to this possible avalanche; the route was redesigned to follow the Crystal Lake trail and the ridge between Crystal Lake and the Little Martha Mine valley. Another change was the adjustment on the west side of Handies Peak to use the newly reconstructed BLM trail that passes near Sloan Lake, thereby reducing the potential environmental impact on the fragile tundra area. The final change came with the development of the Nute Chute by Silverton runner Chris Nute to follow the Silverton-Ironton railroad bed instead of Highway 550.

In order to eliminate the out-back section to reach the summit of Handies Peak, in 1998, the up-Chuck ridge route was adopted between Boulder Gulch and Handies peak. This consisted of switching from the southwest ridge of Handies Peak to the southeast ridge for the 1998 counter clockwise run. The identical course was used in 1999 except in a clockwise direction. The 1998 distance was listed as 101.3 miles with 33,015 feet of climb, but after rechecking measurements for some sections of the course in 1999 this distance was adjusted to 101.7 with 33,065 feet of climb.

The year 2000 saw only one change to the course and this was on the up-Chuck ridge approach to Handies Peak. After the 1999 run, it was observed that there was a great potential for excessive damage to the steep alpine tundra on the steep section from Boulder Gulch to the South East Handies ridge, particularly in the clockwise direction. Charlie had located a potential alternate route on game trails and an old mining trail to achieve the ridge. Subsequently, after walking this proposed route with a BLM official, it was adopted.

For 2001, there were no planned major changes in the route. However, in November of 2000, the Colorado Environmental Coalition filed a protest with the BLM that the Hardrock did not have a proper environmental assessment (EA) statement in place for the Wilderness Study Area (WSA) around Handies Peak. Since it would not be possible to get the proper BLM technical people in the field to assess the Boulder Gulch route before the 2001

run, it was decided to move the course to the Grizzly Gulch-Cinnamon Pass route for getting between the summit of Handies Peak and the Sherman aid station. It is our understanding the Grizzly Gulch trail was field certified by the BLM for an EA. Subsequently, to try and account for differences created by the Grizzly Gulch change, the aid station in Ouray was moved from the swimming pool to the Box Canyon Park parking lot. With these changes, the nominal distance is 100.3 miles with a climb of 33,082 feet. BLM officials were very cooperative in assisting us with meeting the requirements for obtaining a permit for 2001.

The run in 2002 was canceled because of the forest fires in the Durango area and the high fire danger throughout the entire course area. Just two weeks before the run, run director Dale Garland was watching the flames on Missionary Ridge working their way toward his house and was wondering if he would have to evacuate. In addition, the emergency services groups in along the course were very busy coping with the extreme fire situation and we decided to cancel the run to help lessen the potential burden on these support grouts. Subsequently, it was 2003 before the run used the same course as in 2001, but in a counter clockwise direction.

For 2004 there were three major changes. (1) The aid Station in Ouray was returned to the gazebo at swimming pool park instead of in the parking lot of the Box Canyon Park. This gave better crew access to runners and made it more convenient for aid station workers and radio operators. (2) The route from Burrows Park to Sherman was modified to reduce the amount of time runners must spend on the Cinnamon Pass Road by 1.5 miles. Working with BLM and private landowners, a cross-country route adopted between the Sherman Overlook on the Cinammon Pass Road and the bridge across Lake Fork of the Gunnison. (3) The route from Maggie Gulch to Cunningham was completely rerouted. It climbed Buffalo Boy Ridge south of the old route then followed a built trail under Canby Peak to Stony Pass. From Stony pass the route goes cross country to a low point in the ridge east of Green Mountain. It then crossed into Green Mountain valley and followed it to an old mining trail into Cunningingham Gulch. A unexpected surprise in the Green Mountain drainage in 2004 was the presence of a large herd of sheep with dogs.

The aid station location in Maggie Gulch and the route between the aid station and Maggie-Pole Pass was changed in 2005. The route between Buffalo boy Ridge and Maggie Gulch adopted in 2004 meets the end of the road in Maggie Gulch. The aid station was relocated to this road end (the place where it started in 1992). The route was modified to follow the (old) Continental Divide Trail from its intersection with the La Garita stock trail just below Maggie/Pole Pass to just above the Aid Station/Road end where going about ¼ mile of cross country/game trail was necessary. This eliminated about ¾ mile of jeep road from the course and made the overall corrected measured distance 100.4 miles and the vertical climb/loss 32.992 feet each.

At the last minute in 2005 a change was made to use a bridge across the Uncompaghre River that the Ouray Hiking Club had put into place. This move was initiated by the high water from snow melt in the river that would have made the fording of the Uncompaghre too dangerous. For 2006 and 2007 the route was essentially identical to 2005 including use of the bridge over the Uncompaghre.

After the 2007 Hardrock, the Ouray Trails Group, under the direction of Roger Smith, significantly improved the Ouray Perimeter Trail. That allowed the Hardrock to follow the newly improved Perimeter Trail from the Camp Bird Road into the upper end of Box Canyon Park, cross a high bridge above The Box, enter a tunnel, and follow the trail down to Queen Street and then Oak Street on the west side of the Uncompahgre and north to the bridge into the swimming pool park aid station. The exit from Ouray included going south through Ouray on 2nd Street past the Box Canyon Park Headquarters before climbing past the park to the next bridge. From there, we picked up the Ice Park Trail that was followed all the way to the dam. The 2009 and 2010 courses were essentially identical to the 2008 course.

Because of threats of lawsuits between Gold Hill Development Corporation and Federal land custodians over access into Wasatch Basin and because of extremely low tolerance for risk by the Hardrock Board of Directors, the 2011 course was diverted from Wasatch Basin to Bridal Veil Basin, adding approximately 2.0 miles. The course run was approximately 102.5 miles. In addition, because of renovation at Silverton High School, the start and finish was moved to the Kendall Mountain Recreation Center. Rodger Wrublik generously provided a large tent to house the festivities at Kendall Mountain.

The 2012 start and finish returned to the Silverton High School gym as its renovations have been completed. In addition, a minimal aid station was provided at Burrows Park. Because ongoing land ownership disputes among Federal officials, local officials, and Gold Hill Development Corporation, the route was essentially that of 2011, including the Bridal Veil Basin diversion south of Telluride. Total distance was approximately 102.5 miles.

Because of the improved political climate associated with the Gold Hill Development Corporation land dispute in Bear Creek south of Telluride, the 2013 course returned to the Bear Creek/Wasatch Basin route abandoned after 2011. In May, 2014, a court ruling dismissed all private claims related to access to Hardrock relevant routes in the Bear Creek/Wasatch Basin so, no routing problems are anticipated there.

Other course changes may be necessary due to changes in land management policies, privatization of land, construction of buildings on routes we had previously used (this has happened and is happening near Telluride) or who knows what. Come and enjoy the course and we hope you will take time to marvel at how the early hardrock miners built these roads and trails using hand tools. What a wonderful legacy they have given for us to be able to access and enjoy the San Juan Mountains.

HARDROCK 100 "JARGON" TABLE

acrophobia An abnormal fear of being in high places. If you suffer from this and see it in the course

description, you will not enjoy that location on the course.

adit The entrance to a mine, also known as a portal.

bench A natural occurring shelf across the face of a mountain which gives relatively flat areas to

walk on. They are almost natural trails and were followed by the miners since they required

less effort to construct a trail.

cairn A pile of rocks that have been stacked together to provide a permanent trail marker. They may

consist of only a few rocks sticking up a less than a foot, or be somewhat elaborate rock

towers several feet high.

cornice A layer of snow that projects outward into open space from the top of a snow field. This

makes it very difficult to climb to the top of the snowfield from below and offers the possibility of falling through it into space if walked on from above. Cornices cannot readily be seen from above, so use extreme caution when approaching the edges of snowfields,

particularly on east or north facing ones.

exposure Being in a position on the side of a mountain where a fall would cause you to slide or fall

directly a long way down the mountain.

fixed rope Rope attached to the mountain to be used like a banister on a steep stairway. Used when a fall

at that point could cause injury or death.

glissade Intentionally sliding down a steep snow field. Standing glissade = using your feet like skis.

Sitting glissade = sliding down on your butt. (long pants recommended).

hanging wall A band of cliffs that occurs between a "hanging valley" and a larger valley perpendicular to it.

These were formed when a small glacier was tributary to a larger ice stream. The larger ice stream valley was cut deeper than the small glacier valley and when the ice melted the smaller tributary "hanging" valley was left perched above the main valley often with a cliff band to

mark the junction.

ice axe Mountaineering tool for cutting steps, helping control glissades, and stopping uncontrolled

slides on steep snow fields. Useful in years with lots of snow.

mill The building where metal is separated from the rock by physical or chemical processes. The

ground up rock not containing metal is discarded in large piles that look like misplaced beach

sand that is called tailings.

jeep road A road built with the intent of being traveled by a good four wheel drive vehicle and a gutsy

driver. When I say good jeep road, four wheel drive is probably not needed when the road is dry. When I refer to old or abandoned jeep roads, these are one time jeep roads that are now closed to vehicles so the tread is really a trail. Some of these abandoned roads offer the

toughest on trail footing you will encounter.

mine dump

Pile of rock and dirt stacked on the hillside showing where miners had dug a tunnel and left the rock not containing minerals on the hillside. Generally much finer grain and lighter color than surrounding rock, tending toward yellow or red. Some people also refer to these as tailings (see definition for mill).

saddle

The low point in a ridge between two points or summits.

scree/talus

Loose rock and dirt on a very steep mountainside that has enough friction to stay where it is until you step on it, then it slides down the hill. Like trying to go uphill in mashed potatoes, you slide back 3/4 of a step for each step up. When coming down hill it can be like riding a skateboard with the moving dirt being your wheels.

shelf trail/road A trail or road that has been created across a cliff face and has exposure off the edge. On many of the shelf sections you can see the remaining sections of the drill holes that were put in so the rock could be blasted with dynamite.

snow field

Any accumulation of snow that is still on the mountain when the run is held. Those deposited by snow slides will be extremely hard allowing you to walk on them without sinking at all times of the day (they will be full of rocks and trees pieces that were carried down in the slide). Fields that were created by natural fall will be soft during midday, hard and slick at night.

switchback

A sharp turn in a trail (about 150 degrees), which allows the trail to traverse back and forth across the mountain face at a slope reasonable for a burro hauling mining supplies up and ore down.

traverse

To move laterally across the face of a mountain as opposed to directly following the fall line.

timberline

The altitude above which the trees cease to grow. In this area of Colorado, about 11,800' but it can vary considerably.

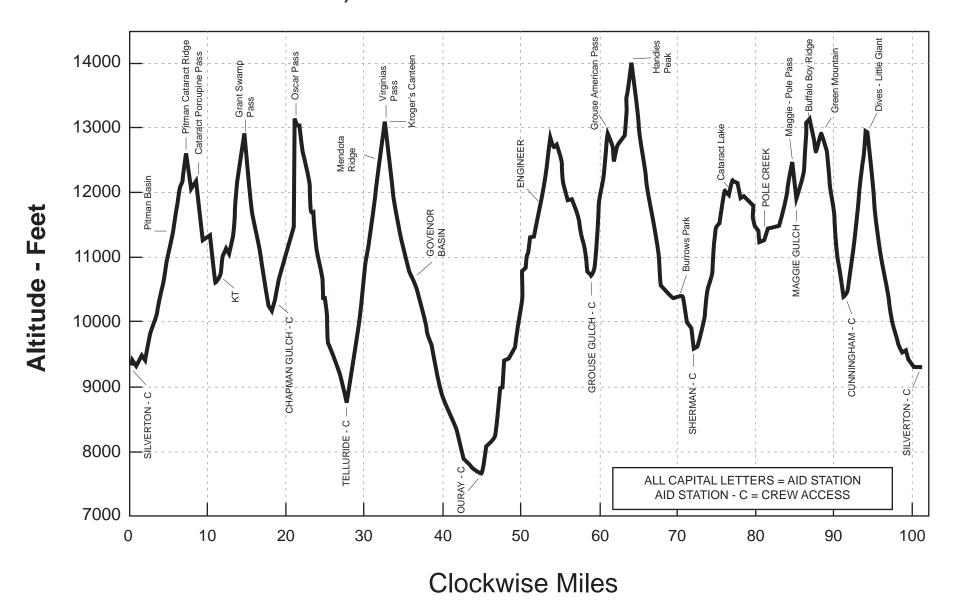
tipple

The wooden tower built over a vertical shaft where buckets can be raised and lowered on a cable. Best example on the course is in Little Giant Basin.

willow

A generic term I have used for the small bushes that grow profusely in stream bottoms and just above timber line. They can be very difficult to move through without a trail.

Hardrock 100.4 Mile Mountain Run 32,992 Feet of Climb



2014 Clockwise Hardrock Aid Station

Opening and Cut Off Times*

	MILES	MILES	CLIMB	DESCENT	Avg Vert	OPEN	TIME	LEADER	Avg 48 H	OUR Pace	ABSOLUT	E CUT OFF
STATION	Total	Leg	Feet	Feet	Ft/Mile	Day	Hour	Arrival	Day	Hour	Day	Hour
Silverton-Start			0			Friday	0500	0600	Friday	0600	Friday	None
KT	11.5	11.5	4069	-2749	592	Friday	0710	0810	Friday	0950	Friday	1245
Chapman Gulch	18.1	6.6	2450	-2920	725	Friday	0820	0920	Friday	1250	Friday	1600
Telluride	27.8	9.7	3090	-4500	852	Friday	1010	1110	Friday	1640	Friday	2000
Kroger Canteen	32.7	4.9	4390	-40	886	Friday	1140	1240	Friday	2000	Friday	None
Governor Basin	35.9	3.2	0	-2320	725	Friday	1200	1300	Friday	2100	Saturday	None
Ouray	43.9	8.0	48	-3148	404	Friday	1300	1400	Friday	2315	Saturday	0315
Engineer	51.9	8.0	4575	-455	661	Friday	1510	1610	Saturday	0400	Saturday	None
Grouse Gulch	58.4	6.5	1220	-2310	511	Friday	1625	1725	Saturday	0730	Saturday	1030
Burrows Park	67.7	9.3	4188	-4308	914	Friday	1930	2000	Saturday	1315	Saturday	None
Sherman	71.9	4.2	0	950	226	Friday	1940	2040	Saturday	1345	Saturday	1630
Pole Creek	80.8	8.9	3210	-1390	505	Friday	2225	2325	Saturday	1815	Saturday	None
Maggie Gulch	85.1	4.3	1340	-960	548	Friday	2330	0030	Saturday	2015	Saturday	None
Cunningham Gulch	91.2	6.1	1700	-3160	796	Saturday	0110	0210	Sunday	0150	Sunday	0200
Silverton-Finish	100.5	9.3	2770	-3840	718	Saturday	0350	0440	Sunday	0600	Sunday	0600

^{*}Times are in military (24 hour clock) time.

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	Sum	mary	of Ha	ardro	ck 100	0 Legs	s CW	7	
	MILES	CLIMB	DESCENT	HWY	Auto Road	Jeep Road	Trails	X-Country	Avg Elev
Leg	Leg	Feet	Feet	Miles	Miles	Miles	Miles	Miles	Feet
Silverton-Telluride	27.78	9619	10179	0.0	0.6	2.2	21.7	3.7	11023
Telluride-Ouray	16.16	4390	5460	0.1	5.1	5.2	5.3	0.4	10152
Ouray-Sherman	27.87	9943	7983	0.0	4.9	5.4	15.5	2.1	11082
Sherman-Silverton 29.25 9010		9010	9340	0.0	1.2	3.5	20.1	4.3	11431
Totals 100.46 32962		32962	0.1	11.4	16.3	62.1	10.5	11016	

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[0.0] 9310	SILVERTON Start in front of Silverton High School gym on 12 th Street. Head (NW) on 12 th Street, north east side of the high school. Go NW to Snowden Street, turn left, [SW], go two blocks to 10 th street, turn right [NW] and go up hill. When 10 th street
	ends, continue straight ahead on a trail that climbs toward the Shrine of the Mines statue. Turn left on the Shrine road (SE) and
	follow it 0.5 miles, almost to the intersection of the Shrine Road with Highway 550.
[0.8] 9301	Nute Chute. About 30 yards before reaching Highway 550, turn right [WNW] and follow jeep road under the electric power lines. You are going to parallel the highway, staying to the right and above it as you go up canyon in the Mineral Creek
	Drainage. The road merges into a across a red talus slope. You pass high above the log building that at one time was the Columbine Hotel and the white, green and silver metal buildings next to the highway. After coming off the talus slope you are on a broad, almost level trail through the aspens. The route you are following is the railroad bed that carried trains from
	Silverton to Ironton. About 0.6 miles beyond the old Columbine Hotel, when you are directly across from the Silverton Bear
	Creek, leave the railroad bed on a trail to your left. The trail drops under the power line near a two poled power line support,
	and descends on a sloped bench to highway 550. Silverton Bear Creek, the next leg of the run, is the large canyon you will be looking up across Mineral Creek. When you reach the highway turn left, [ESE] and go down stream about 50 yards. (The Nute
	Chute is named in honor of Silverton runner Chris Nute who suggested this route to eliminate the need to run on Highway 550.
[2.0]	Mineral Creek. {The route described below from Highway 550 to the Ice Lake trail is only partially shown on the Silverton
9395	Quadrangle USGS map.} When you are even with the confluence of the Silverton Bear Creek and Mineral Creek, leave the
	highway turning right (SSW), go steeply about 30 feet down to the waters edge then work your way upstream for about 50
	yards to the fixed rope anchor. Wade the knee to waist deep Mineral Creek using the fixed rope for assistance. Climb the short steep bank up the south side of Mineral Creek, then angle right, upstream (WNW) until you get into an open area that has
	several large fence posts in it. Keeping the fence posts to your right, turn directly toward [SSW] Bear Creek Canyon and pick
	up the obvious old mining trail paralleling the north side of the Bear Creek Stream.
[2.3]	Trail makes a hard right turn (WNW) climbs steeply for 0.3 mi then levels as it gradually turns back (SW) into the Bear Creek
9490	drainage. Follow the mining trail (WSW) high on the right (NE) side of Bear Creek between Sultan Mountain and Bear Mountain. As you climb, there are some impressive rock glaciers to be observed on Sultan Mountain across the valley to your
	left.
[5.3]	Pass through a tangle of willows then drop slightly and enter a spruce-fir stand of trees on a steep, wet hillside that has a series
11200	of benches paralleling the stream. Continue (WSW) on one of these benches for about 0.25 mi., maintaining an elevation of
	about 11,100'. You may encounter snowfields through here. When you reach a good sized stream coming out of Putnam Basin to the right (W), turn right, (W) keeping the Putnam Basin stream to your left. Climb steeply following the combination of elk
	trails and sections of the original built mining trail to the Putnam Basin Trail.
[5.8]	Putnam Basin Trail. Maintained by the sheepherders, this good trail stays to the right (N) of the stream as it climbs first west
11400	then WSW up the basin. {The trail is not on the Trails Illustrated map, the USGS Silverton Quadrangle map or in the Colorado
	Atlas and Gazetteer.} About 0.75 miles up this trail, watch carefully for the trail fork where you go to the right (on the less distinct trail), climbing quickly toward the cliffs. The better looking left fork comes to a dead end at an abandoned mine/mill.
	Your trail climbs rapidly as it threads its way through the willows, crosses several steep gullies which may be snow filled and
	then works its way above the cliffs. Acrophobia, Exposure. The ruins of the mill are at the base of the cliff below you. As you
	climb into upper Putnam basin, the trail levels and the direction swings from WSW to almost straight south. From where the
	trail ends, cross the Putnam Basin stream on a wide bench at the top of the cliff band and pick up one of the sheep trails that takes you directly toward the saddle (S) between Putnam Basin and Lime Creek.
[7.0]	Putnam-Lime Creek Saddle. As you top this saddle you are looking south into Lime Creek. Highway 550 between Silverton and
12400	Durango is readily visible. Turn right (WNW) and climb directly up the Putnam-Lime ridge about 0.3 miles, (elevation 12,600,
	(top of the 1st climb) then pick one of the sheep trails to your left and contour around the left (SW) side of the ridge. Continue
	around the mountain, gradually losing altitude until you are directly above the Cataract-Lime Creek saddle, below you on the left. Turn left (W) and descend steeply into the grassy area near the Cataract-Lime Creek saddle. On your right is the spectacular
	looking horseshoe shaped chasm of Cataract gulch.
[7.8]	The route from the Cataract-Lime Creek saddle makes a large arc across upper Cataract Gulch. Your target is the saddle
12110	between Cataract and Porcupine Creeks. There are numerous trails across here including a built mine trail and numerous sheep
	trails. Exactly how you cross upper Cataract Gulch is dependent on the snow conditions. Stay in the meadow about 200 yards
	above the cliffs that drop off into Cataract Gulch going from a W to NW direction. Like the crossing across the major portion of upper Cataract, the final climb to the Cataract-Porcupine saddle is snow dependent. In a dry year, head for the switch back you
	see in the trail below the saddle, and then take a hard left (SW) and climb to the saddle. In a snowy year, pick a route directly to
	the saddle, usually on very hard, steep snow.
·	

[8.6] 12230	Cataract-Porcupine Saddle. Turn right (NNW) off the trail and go cross country as you descend steeply for 200 to 300 yards then contour around the hillside still descending the Porcupine Creek drainage through a series of willows and bogs. The sheepherder's trail through here is intermittent, but with care can be followed (W). You want to make sure you are on this trail get through the head wall. Follow the trail across a grassy slope until you reach a large fallen tree. The sheepherders trail goes straight. Turn left (SSW) off the trail and descend cross country to the stream.
[9.4] 11240	Porcupine Creek. Cross Porcupine Creek and pick up a good trail that takes you due west across several tributaries of Porcupine Creek. You don't have much of a net altitude change across here even though you are going up and down, in and out of stream crossing. After crossing the last tributary, you are on a swampy bench with some huge conglomerate rocks to your left. The trail climbs sharply (W) to the 11600 foot level below the NE ridge of Twin Sisters, crosses the ridge then swings (SSW) under the NE peak of the Twin Sisters while experiencing very little elevation change.
[10.3] 11360	Near the west ridge of the NE Twin Sister Peak, you will cross next to an active rock glacier. The grass on the hillside is visibly being displaced by the moving rock. A great place to take a break and marvel at one of nature's mountain eroding activities in action. Just past the rock glacier the trail turns abruptly right [NW] and descends rapidly on a series of switchbacks into the South Fork of Mineral Creek. Once into the meadow at the bottom, continue to angle right (WNW) across the meadow on a muddy track. The abandoned buildings across Mineral Creek to your left are the remains of facilities at the Bandora Mine. Your goal is to get onto FS road 585 about a quarter mile down canyon from the Bandora.
[11.1] 10600	South Fork of Mineral Creek. (Elev. 10600) Wade the stream, {depending on the water level there may be a fixed rope} work your way directly up the grassy hillside on the west side of the stream to the Bandora Jeep Road (Elev. 10690). KT AID STATION Turn right (N) on the road (FS-585) and go 0.3 mi.
[11.5] 10640	Turn left (NNE) on abandoned mine road and cross the face of the mountain. From here to the Ice Lake trail is the Kamm Traverse, named in honor of Ulrich Kamm, who suggested using this route after the 1993 run based on some old maps. Since then, the Hardrock has essentially followed his suggested course. At the caved in mine, the road ends and the path narrows to a game trail that crosses the end of the ridge directly west of the South Mineral Campground and about 1200 feet above it. Exposure, Acrophobia. A mixture of columbine, various colors of paintbrush, green gentian, and multiple kinds of yellow and blue flowers abound across this slope giving you a wonderful flower show.
[12.0] 11000	Enter the trees, and follow the trail to the left (WNW) on a bench. Pass to the right of some large conglomerate rocks and ponds and continue straight across a small meadow where the bench you have been following drops to your right toward the stream. Once into the trees, follow the trail through a series of bogs maintaining altitude until you meet the Lower Ice Lake Basin stream. In this short stretch of stream the canyon bottom is a relatively flat bowl with a small waterfall at the upper end and a series of piled up trees at the lower. Carefully pick a way across the stream, either by wading or walking on the pile of trees. Note, in 2005 this valley was filled with hard snow from a snow slide and a fixed rope had to be installed above the waterfall to provide a stable crossing.
[12.8] 10980	Ice Lake Basin Creek. Once across the stream, pick up the steep trail that is near the bottom end of the bowl you just crossed and climb very steeply up hill just to the right of a small ridge. In about 0.1 mile, you will meet the very well maintained Ice Lake Trail.
[13.0] 11200	New Ice Lake Trail. FS 505. Turn left (WNW) going up hill on this heavily used trail. The trail passes to the left of a huge conglomerate boulder then switches back sharply (SW) and crosses the ridge back into the Ice Lake drainage. After crossing the ridge, the trail direction becomes northwesterly. As you come out of the trees you are in lower Ice Lake Basin, a huge Alpine meadow. Several of the switch backs on the original Island Lake trail, your route, can be seen above the cliff band directly in front of you. Just before the Ice Lake trail crosses the first small drainage, leave the New Ice Lake trail.
[13.2] 11400	Original Island Lake Trail. Angle right (NNE) and stay on right side of the small, usually dry, drainage. The first 100 yards may be difficult to find depending on vegetation, but you soon get on the well built trail that switches back and forth up the slope in a generally NW direction. This is the original route shown on the 1890's map for Island and Ice Lakes. After crossing the mountain face and getting you about 400 vertical feet above the Ice Lake Trail, the trail moves into side valley and follows a small stream. Stay to the left side of the mine dump with rail on it and pick up a trail and continue up the stream. This trail continues WNW across a flat area with several ponds then disappears. Continue straight ahead (WNW) and climb a small ridge until you can see Island Lake. Expect snow through here.
[14.3] 12400	Island Lake. With the lake on your left, you will be looking at the head of Ice Lake Basin below U.S. Grant Peak. Your goal is Grant-Swamp Pass, the saddle directly north of Island Lake and directly east of U.S. Grant Peak. Following some faint animal trails across the head of the basin, climbing steeply as you head directly toward U.S. Grant Peak (WNW). Snow conditions in here have been highly variable during previous Hardrock runs.
[14.2] 12800	About 200 yards below the ridge, elevation ~12800, after you have passed under Grant-Swamp Pass, switchback right (ENE) and climb toward the saddle. The Joel Zucker memorial plaque is attached to the rocks in the saddle. Pass to the left of the memorial and work you way along the top of the ridge until you get to the cut on the right (E) side of Grant Swamp Pass.

[14.8] 12920	Elev. 12920. Grant Swamp Pass. Pass # 2. Acrophobia, Exposure. Take a deep breath and look over the top of the pass into Swamp Canyon. In front of you (N ₁) across the mouth of Swamp Canyon, is a red colored ridge with a road switch backing up
12920	
	it. That is your next climb- Oscar's Pass. Having recovered your breath, move closer to the edge of the snow field extending into
	upper Swamp Canyon and look down it. IF SNOW CONDITIONS WARRANT, THERE WILL BE A FIXED ROPE HERE.
	Start down the snow (N), - if the snow is soft enough to give you control as you slide, glissade down it. If the snow is hard,
	work your way to the right into the scree. This small rock and dirt mixture will slide with you and can be great fun going down.
	Head for the grassy ridge between the two drainages of upper Swamp Canyon. The most consistent footing is along the top of
	the ridge, where you occasionally encounter remains of the trail. Snow in the gullies either side of the ridge may entice you to
	glissade down it. This is fine. Just remember to keep the main drainage of Swamp Canyon to your right as you work your way
	down. Remains of a mining trail are sporadic in this area so you will be on trail for short section then scrambling over rock. Be
	careful, these rocks can be leg breakers. After dropping some 800-900 vertical feet you will see a very wide, grassy or snow
	covered bench to your left. Either follow the trail or go pick a route across the snow to the bench.
[15.7]	Once on the bench, angle left (NNW) and follow it around the head of Swamp Canyon and under the north face of U.S. Grant
11800	Peak. There are two lovely waterfalls to your left as you cross this bench. After crossing the stream below the second waterfall,
	get on the obvious trail and continue down the left wall of the canyon. The trail swings from a NNW to NW direction as it
	crosses a large slide rock field. You will be traveling parallel to (N) and about 700 vertical feet above the Swamp Canyon
	drainage. After crossing a small stream coming in from the left, go to the left of the big downed tree. There may be something
	or someone here to verify you reached this point. Continue north, pass the remains of a sheep herder's camp (stove) and
	continue through the spruce/fir stand. Cut wooden posts mark the route through the trees and skunk cabbage then you meet an
	excellent trail. The trail crosses several high meadows as you continue for about 0.75 miles down canyon (NNE) before
	switching back and forth several times through the trees as it drops steeply toward (E) the Swamp Canyon Stream.
[17.3]	Swamp Canyon Road. When you meet the one time jeep road (now closed to vehicles), turn left down canyon and follow the
10600	road to the Howard Fork of the San Miguel River. Cross the river, (in recent years there has been a log bridge here), and climb
10000	up a short hill (50 ft) to the Chapman Gulch Aid Station.
[18.1]	CHAPMAN GULCH AID STATION-BAG DROP. When you leave the aid station, turn left (WNW) at the road "T".
10190	Follow the road gradually down hill. The road has eroded badly and the stream coming from your right out of Chapman gulch
540.57	has taken over various parts of the road.
[18.5]	Ophir Pass Road, FR 679. You meet the Ophir Pass Road at the location of the long abandoned town of Iron Springs. The town
10160	was named for the red colored minerals covering the ground in this area. Turn right (E) and go up hill to the second road on
	your left. This is a heavily traveled jeep road so watch for traffic.
[18.9]	Turn left (NNE) onto Oscar's Pass Jeep Road. At about 11,800' make a hard right at the "T" intersection and around the locked
10480	pipe gate. Essentially all the signs on the gate say that people on foot are allowed, so continue. The road switches back and forth
	across the hillside going generally N on the left (W) side of Chapman Gulch. The upper part of this road is not on the Trails
	Illustrated or USGS maps. A snowfield left by a resident snow slide usually is present across the road at the final switchbacks.
	Exposure. During the middle part of the day the snow may be soft enough that you can kick steps into it, but most of the time it
	is rock hard. STEPS WILL BE CUT INTO THE SNOW DURING MARKING.
[21.3]	Oscar's Pass- Pass #3. Acrophobia, Exposure, Cornice. From the top of the pass you will be looking N into Bridal Veil Basin.
13140	To your left is an unnamed peak (13,432' on maps). Just beyond the peak on its north ridge is the Wasatch saddle, the low point
13140	between Wasatch Peak and Peak 13,342. The traverse from Oscars Pass to the Wasatch Saddle will most likely be on snow.
	Expect a cornice on the Bridal Veil side of the pass. THERE WILL BE STEPS CUT ACROSS THE CORNICE AND ICE
	FACE. An ice ax or crampons may be a great comfort here. Stay on Oscar's road as it continues into the upper end of Bridal
	Veil Basin, traversing (NNW) under Peak 13,342 toward the Wasatch Saddle. Keep an eye on the saddle and when slope and
	snow allow it, turn left (NW) off the road and climb up to the saddle. If you reach the forest service sign in Bridal Veil Basin
	with a trail marker indicating the Bear Creek Trail you have gone too far, make an immediate left turn and climb to Wasatch
	Saddle. There is also a wooden FS signpost directly on top of the Wasatch Saddle- signs vary year to year.
[21.7]	Wasatch Saddle. FS 508. Cross the saddle and get on the Wasatch trail. The trail improves dramatically as you descend into
13060	Wasatch Basin and the beginning of the East Fork of Telluride Bear Creek. Expect snow in the upper part of the basin. Continue
	NW, descending rapidly. Cross the stream coming from your left (S) and then stay slightly above and to the left of the main
	stream. Enter a large flat meadow on a shelf trail through the cliff. Snow conditions in this meadow have varied from knee deep
	on every step to the entire meadow being vibrant purple with flowers. Stay 10 to 20 yards left of the stream until you reach the
	far side of the meadow. You may see a rusted wheelbarrow to your right just before the stream crossing. Cross to the right side
	of the stream just before the stream enters a narrow, steep channel and climb slightly. Get on the good trail and descend a series
	of switchbacks to the intersection of East Fork of Bear Creek (TR 513) and Wasatch Trail marked with forest service signs.

[23.1] 11990	East Fork of Bear Creek Trail. Exposure. (TR 513). Turn right (NNW) and descend on this well maintained trail paralleling the West Fork of the Telluride Bear Creek. Soon you will be far above the stream as it cascades through a series of cliffs. After a half mile, the trail descends steeply through a series of switchbacks. The myriads of mountain flowers encountered in this section are fantastic. Just around the switchback beyond where the trail goes directly below a waterfall, (watch for ice on the trail), you are looking directly down the valley of the east fork of Bear Creek. If the valley is filled with snow, leave the trail, climb down to the snow and practice your glissading technique as you head for the confluence of the Main Fork and East Fork of Bear Creek. Pick up the trail again in the flat between the East Fork and Main Fork streams about 200 yards above their meeting point. General direction of travel is NNW. If the East Fork snowfield is not there, follow the trail which stay on the right (E) of the East fork to where it crosses the East fork, then follow the trail to the confluence of the two streams. At the confluence, angle left, cross the Main Fork, then follow the trail to where the East Fork trail merges with the Wasatch trail (FS 508). The trail intersection and next 100 to 200 yards may be under a snow slide field. This snow will be very hard and you can easily walk on top of it. Cross the snow slide, continuing N, and pick up the Wasatch trail keeping the main drainage of Bear Creek to your right.
[24.4] 10840	Nellie Mine. The remains of the Nellie Mine and stamp mill are to your left. Just below the Nellie, a small side stream coming in from the left uses the trail as its bed. Exposure. Carefully work your way down the water covered stream bed/trail/cliff. Once off the cliff, cross a footbridge and follow the increasingly improving trail (N) down canyon. There may be one or two more snow slide fields to cross as you descend. As you experience in the upper canyon, the stream drops much faster than the trail and you are soon some 600 vertical feet up from the water. For the final 500 vertical feet, drop back down toward the stream. The trail again goes into multiple switchback mode crossing a small side stream several times. You get a good view of the scenic Bear Creek Falls from this section.
[25.8] 9680	Telluride Bear Creek Road-Wasatch Trail Intersection. Elev. 9680. (There is a Forest service sign on a wooden post indicating Wasatch Trail.) Turn left (N) on one time jeep road that is closed to vehicle traffic and follow it to Telluride. The road remains on the left (W) side of Bear Creek until the Bear Creek Canyon meets the main valley of the San Miguel River, then it swings left (W) into the San Miguel Valley. The town of Telluride will be below you. The aid station is located at the visible permanent white canopy in the town park on the east side of town. You are going to go completely past (W) the park before leaving the road and traversing the hill back to aid station. At the intersection of the Bear Creek Road with the Ski Area Maintenance Road coming in from the left, take the trail off the right side of the road, making a hard (about a 150 degree) turn and go (E) toward the park. When you reach the park, turn left (N) and go past the soccer field, past the basketball court, and cross the grass to the aid station at the canopy in the Telluride town park.
[27.8] 8750	TELLURIDE, AID STATION, CREW ACCESS, BAG DROP, MEDICAL. Leave aid area on sidewalk (WNW), pass a small lake on your right and cross the San Miguel river on a footbridge. As soon as you cross the bridge, turn right (N) on the paved bicycle path. Follow the patch about 50 feet, then angle left on a dirt trail. Cross Colorado Avenue, the main street of Telluride, onto Alder Street (N). Continue straight ahead onto a private driveway when Alder Street ends. After about 50 feet, when the driveway curves left, stay straight on a trail. (There is a children's swing set to your left.) Climb this trail past several houses and walled building sites to the Tomboy road (FR 869).
[28.2] 9020	Tomboy Road. Turn left (W) and go down hill for about 150 feet. Turn right (WNW) at the first road on your right and go around the pipe gate. This was the Liberty Bell Basin jeep road, but it is now closed to vehicular access. (Next to the gate is a Forest Service map board describing the Wiebe trail). Pass the covered reservoir (left) then continue to climb on the rocky roadbed including several switchbacks. Cross the ridge into the Cornet Creek Drainage then stay right on the road (N) at the well-marked Jud Wiebe trail intersection. After you cross a relatively flat area, you may hear a strange sound coming from your right. This is a pressure relief valve for the water pipe carrying part of the Telluride domestic water supply. When the pressure releases, water is dispersed from a tall pipe and there is a lot of noise. In 1994, some of the helpers from the Kroger Canteen aid station came down here after dark and thought they were hearing a bear. They spent a chilly night waiting for daylight before they realized what it was. Stay right, at the only intersection you will encounter while in the trees. The road climbs sharply with multiple switchbacks and the direction of travel gradually becomes easterly in upper Liberty Bell Basin.
[31.2] 11600	Just below timberline, the road levels and you enter an area where you can look directly up to the Mendota Saddle in upper Liberty Bell basin. When the road turns right (S), leave the road (E) continuing the direction you have been going and follow a trail up the right (S) side of the drainage. At about 12000', the trail swings left (NE), crosses a small flat, turns east through the slide rock on the west side of Mendota Peak, and switches back to Mendota Saddle. Possibility of snow here.

[32.1]	Mendota Saddle. If it is a snowy year, there will be a cornice on the east side the saddle. From the saddle, stop and taking a
12560	bearing to Virginius pass as follows: On the big flat area that is just a little higher than the Mendota Saddle and is on the far side
	of Marshall Basin, find the power poles that are still standing (NE). The line from the Mendota Saddle across these power poles
	points directly at Virginius Pass and you are going to make a big arc around the left side of the basin to it. The power poles will
	always be to the right of you as you make this traverse. Cross the saddle around the left side of the cornice onto shelf trail.
	Exposure. Marshall Basin is geologically very mineralized and many millions of dollars worth of ore, including gold, was
	mined from the area. Traverse NNE across the head of Marshall Basin losing about 50 feet of altitude to the Mendota Mine,
	then gradually climb and traverse across the snowfields around the basin The route gradually turns with the mountain until you
	are going ENE. Continue to traverse around the hill until you are in a gully full of rotten rock and the only way out is up. Climb
	steeply to Virginius Pass on a mixture of scree and snow.
[32.7]	VIRGINIUS PASS-KROGERS CANTEEN. Pass #4. Cornice, Acrophobia, Exposure. Chuck Kroger and Kathy Greene
13100	started this aid station in 1992 and since then dedicated crews from Telluride backpack supplies into here for a minimal aid
	station. Chuck became a regular participant/finisher of the Hardrock before succumbing to pancreatic cancer in December 2007.
	The next section involves going down three very steep pitches with a bench, or flat area, between each. Go N, down the steep
	snow/rock field. THERE WILL BE A FIXED ROPE FROM THE TOP OF THE PASS INTO VIRGINIUS BASIN. In heavy
	snow years you can glissade this pitch. If you plan to do a sits glissade, it is strongly recommended that long pants be worn. At
	the first bench, angle slightly left to the edge of the second steep pitch and descend it on snow or broken rock, staying left of the
	stream. Enjoy the very gradual drop on the bench until you are thrust out onto the top of the third pitch. Stay left of the stream
	on the mine dumps. It is usually better to try and descend this pitch on snow if it is available than to go down the steep hard
	packed dump. IF CONDITIONS WARRANT, EITHER A FIXED ROPE OR STEPS WILL BE CUT HERE. Near the bottom
	of the steep mine dumps, turn right (NE) to the level space where remains of buildings can be seen. This is the Virginius Mine
	site where people used to live all winter to work the mine.
[33.2]	Virginius Mine. Pass the ruined buildings and take jeep road 853.1c (NE) around the ridge between Virginius and Sidney
12160	Basins. In heavy snow years the remains of snow slides in this area can force you to traverse on steep hard snow. As you
	descend, you will see the remains of the Mountain Top boarding house across Governor Basin. You intersect numerous roads on
	this descent toward timberline. Always take the road that goes down hill and maintains a line toward Potosi Peak (E) across
	Yankee Boy Basin. After you reach timberline, this active jeep road switches back several times before heading W into
	Governor Basin. Cross the stream coming out of Governor Basin, probably wading, and bear right (NE) at the intersection with
	the Governor Basin Road that is closed with a pipe gate. Continue down the road to the GOVERNOR BASIN AID STATION
	that will be located just across the bridge over Sneffels Creek.
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[38.4]	Camp Bird Mine Road. Stay left on auto road, #853, also labeled state road 361. Follow this good road (NNE) down Canyon
9692	Creek to Ouray. This is a popular road for tourists, does not require four wheel drive and is dusty. During daylight hours, expect
	a lot of traffic. For this section of road, there will be minimal marking and you may go several miles without seeing a marker.
	As you come down Canyon Creek you will cross to the right, (SW) side of the creek. As Canyon Creek approaches the
	confluence with the Uncompaghre River you will see Ouray below you to the left. In a change of route from previous years,
	you are going to take a trail that leads to a footbridge across Canyon Creek. As Ouray comes into view, begin watching for this
	trail turn off to your left. There is forest service sign for the Sutton Mine trail and the south Ice Park Trail on right side of the
F.4.2. 63	road. Ninety yards below this make a hard (120 degree) turn to your left onto a good trail.
[42.6]	Follow the excellent trail recently rebuilt by the Ouray Trails Group about 0.1 mile (NNW) around the hill to the high bridge
7910	over Canyon Creek. Cross the bridge and open the white gate on the far side. Go through the tunnel then down the steep section
	with fixed handle cables. The trail merges onto a jeep road that after about a hundred yards meets Queen Street. Turn right on
	Queen Street (E) and follow it to the intersection with Oak Street. Turn left (NW) onto Oak Street. At 7th avenue, Oak street
	becomes a two lane paved road with a trailer park on the right. Continue on Oak street (N) to the end of the trailer park then turn
	right (E) through a parking lot just before the green metal building with white doors (sign -Ouray City Shop). Cross the cable footbridge into town park where the aid station is located near the rest rooms and picnic tables.
[43.9]	OURAY TOWN PARK, AID STATION, CREW ACCESS, BAG DROP, MEDICAL, PACERS ALLOWED FROM
7870	HERE. Lowest point on the course. You will now go back through Ouray on the East side of the Uncompaghre River (Left
7070	side looking upstream). From the aid station, go past the Gazebo (S) keeping it to your right, pass to the right of the tennis
	courts and pick up a trail. Cross the footbridge over Cascade Creek. When the trail meets an extension of 9th avenue turn left
	(E) on 9 th avenue for about 30 yards. Turn right (S) on 2nd Street and follow it for 7 blocks to 3rd Avenue. Turn right (W) on
	3 rd Ave. About 40 yards past the Victorian Inn motel that is on your right, angle left onto the Box Canyon Fall Park road (sign
	on right side of road) going against the one way traffic. Follow the road through Box Canyon Park and at the stone building
	angle left across the bridge over the Uncompander river.
[45.1]	Ice Park overlook and Trail (East side of Uncompandere). As soon as you cross the bridge, turn right (S) and follow the trail with
7900	built steps up to the high bridge on the Camp Bird Road. The overlook platforms for viewing the ice climber will be to your
	right and the search and rescue building will be to your left. At the high bridge, stay left of the guardrail to its end, then cross the
	Campbird Road at about a 45 degree angle going down hill. Immediately get onto the Ice Park Trail (Forest Service Sign) (SE)
	and climb steeply up into a shallow gully that opens onto a rock rib paralleling Highway 550. The trail is well cairned and easy
	to follow.
[45.5]	At the green gate, merge onto a jeep road, go down hill around two switch backs and follow the road one half mile almost to the
8210	Uncompanding dam (SSE). Watch for an obscure left turn on a deer trail into the first small gully about 20 yards beyond where
	the Ice Park Trail leaves the road and heads right toward the river and about 50 yards before the dam. For the past couple of
	years, there has been a stack of mattresses on your right between the turn off and the dam. Climb the steep deer trail to an old
	wooden tram tower located on the remains of an old road. Follow the old road (S) less than 100 yards then drop steeply down to
	the east side of the lake backed up by the dam on a deer trail. Continue along the eastern shore to the stakes where we used to
	attach the rope for wading the river here. Across the river is a traffic sign warning those who may be floating down the river that there is a dam ahead. Find the good trail angling left into the trees, climb up to merge onto the remains of the original Otto
	Mears toll road. Follow this tread a few hundred yards past some concrete footing and large iron mining operation ruins. When
	the road bed ends, make a switch back to the left onto a trail and climb to the east side of the tunnel on Highway 550.
[46.6]	Tunnel. Cross the parking area, and make a hard left turn onto the Bear Creek National Recreation Trail, TR 241 (red, white and
8480	blue sign). Acrophobia Exposure. This well maintained trail starts at the south end of the tunnel on highway 550 (W) and goes
0.00	directly over the top of the tunnel. It continues in a generally E direction as it switchbacks about 15 times climbing above the
	highway, then enters the narrow canyon above the Ouray Bear Creek. Once on this trail, it is almost impossible to get off of it
	for the next 4 miles. Marking on this trail will be minimal. You will have to wade several streams coming from your left and
	contend with dramatic drops of 300-400 feet on your right. Use caution wading the streams as the algae build up on the rocks in
	this water tends to make footing very slippery. At about the 10000 foot level you will pass the ruins of the Grizzly Bear Mine
	buildings.

[50.6] 11100	Yellow Jacket Mine. Cross the streambed, probably dry or very little water, coming from the left [N], then angle right (S) on the wide trail. The buildings associated with the Yellow Jacket will be on your right. Just past the Yellow Jacket, cross (wade) the stream coming from the left [E], then continue straight to the next switch back in the trail. Continue straight ahead (S) in the direction of Engineer Pass as indicated by a metal trail sign. Some years, a huge snow slide field fills the valley about a hundred yard from here. This snow slide goes over Bear Creek coming off the south side of Engineer mountain and is usually hard enough to walk on. Try to stay to one side of where you think the stream is running under the snow. If you would prefer not to use the snow route, there is an animal trail to the left and above the stream. During dry years, the trail is on the left of the stream. At the upper end of the snow slide, the trail, FT 242, crosses to the right (W) side of Bear Creek. Stay on the right side for only a couple of hundred yards then cross back to the left side and climb up through the timber on a good trail. ENGINEER AID STATION. This is another station that must be backpacked to its location. This aid station is on a bench just a four hundred foot vertical foot below timberline. Engineer Mountain in the large peak directly in front (S) of your Your target.
11800	a few hundred feet vertical feet below timberline. Engineer Mountain is the large peak directly in front (S) of you. Your target is the right hand [W] ridge of Engineer Mountain toward Oh Point. The trail out of the aid station takes you on a line toward the east ridge of Engineer Mountain. Continue of this line (SSE) until you meet a small stream coming from the left. Cross the stream, then parallel it (ESE) until you meet an obvious built trail. Turn right (S) on this trail and go up the valley, first south then SSW as you go around the head of the valley. As you move back into the middle of the valley and under the east ridge off Engineer Mountain the direction of travel is again straight south.
[52.6] 12200	Trail merges into an abandoned wagon road/trail just above a stream crossing and near some mine tailings. Just below the mine tailings, turn right (S) and leave the trail that is now heading toward Engineer Pass, the low saddle on the left (E) side of Engineer Peak. Work your way up the steep hillside directly toward the right [W] ridge of Engineer Peak. The long flat ridge you are heading for connects Engineer Peak with Oh Point. Aim for the flat part of the ridge closest to Engineer Peak. There will be a blinking light here to help guide you, especially during the dark hours. You top out on a jeep road that runs east-west along the ridge that connects "Oh" point and Engineer Mountain. Turn left (E) and go about 30 yards, up hill, to the Engineer Pass jeep road, RD 18.
[53.2] 12910	Engineer Pass Road, Pass # 5. Turn right (S) and begin your descent into the North Fork of the Animas River. (The full Spanish name of this river is the Piedra de Los Animas- "The River of Lost Souls"- any empathy here?). This well used jeep road swings SE across the S side of Engineer Mountain and goes through one dip before reaching the first switch back (12660). Ignore the road coming in from the left [E] and go around the switch back (W) continuing down hill.
[54.9] 12040	Engineer-Mineral Creek Road Intersection. Continue straight (S)!!! There are metal BLM signs here- you want to go toward Animas Forks and Silverton. Stay left at the next intersection and take a sharp switchback down toward the Denver Bridge. Stay right at the Cinnamon pass road, well signed by the BLM, continuing down hill. You will see the ghost town of Animas Forks across the canyon to the right at the mouth of California Gulch. This is another one of the important mine/mill sight locations in the San Juan Mountains, once even having a railroad to it. During the run, you do not go to the town, but stay across the canyon from it on the east side of the Animas River drainage. Stay straight at the intersection with the upper Animas Forks road coming in from the right, then drop steeply for a quarter mile and merge with the lower Animas Forks road. The BLM sign here, which you will have to go past and turn around to read, says Alpine Highway. There is a BLM built toilet a few yards up the Animas Forks road to your right. Continue straight (S) down the Engineer Pass Road. At the bridge, cross the Animas River, and immediately turn right into the Grouse Gulch Aid Station.
[58.4] 10710	GROUSE GULCH AID STATION. AID STATION, CREW ACCESS, BAG DROP, MEDICAL. Crew access, reachable with a standard auto and some careful driving. From the aid station, back track the way you came into the aid station, crossing the auto bridge (N) over the Animas River and going up hill on the Engineer Pass Road. After about 150 yards, turn hard right (E) on an abandoned jeep road that climbs up the face of the mountain and goes around six or eight switchbacks before going into Grouse Gulch. Once above tree line, leave the road at the first switch back, continuing straight ahead on a trail in an ESE direction along the left (N) side of the stream. The trail stays high to the left of the stream. When you reach the top of a low ridge where you can see a small lake to the right, the trail becomes very faint. Angle left (N) up the ridge for about 100 yards, then turn right (ESE) on now distinct trail that climbs across the face of the mountain toward the head of the Grouse gulch basin. The trail switchbacks to a broad grassy saddle. When the trail disappears in the saddle, continue straight ahead (ENE) to the low point in the ridge.
[60.9] 13020	Elev. 13020. American-Grouse Pass. Pass #6. As you cross the pass, Handies Peak will be directly in front of you (E) across American Basin. There will probably be a large amount of snow in American Basin. Angle to the right (ESE) from the top of the pass. The trail drops gradually following the curve of the upper American Basin and stays to the left and below a series of cliffs. Continue to drop gradually into American Basin until you cross the Lake Fork of the Gunnison River and join the American Basin Trail to Handies Peak. (Just above the word American on your Drake Map.)

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[61.6] 12400	American Basin Trail. Follow the BLM trail (SSE), climbing steadily and cross the Sloan Lake Stream coming from your right. Cross a marshy flat to the right of a sign that requests hikers to stay on the trail. This is to prevent erosion to the high tundra that
	has suffered with the large number of people hiking and climbing here. Stay on the trail as it goes right (SSE) and climb several switchbacks to within 50 yards of Sloan Lake.
[62.6]	Sloan Lake. There may be some means here of verifying you came to this point. The trail angles left (NNE) before climbing up
12920	across a small ridge before dropping about 120 vertical feet through a slide rock basin Expect snow as well as slide rock. Continue on the switchback trail, going from ENE to ESE, and climb to the saddle south of Handies Peak. At the saddle, angle left (N) up the well-beaten path SW ridge route to the summit of Handies Peak.
[63.7] 14048	Handies Peak, Pass #7. Highest point on the course. The easiest way to make sure you are going the correct direction off the summit is to face across American Basin toward Grouse American Pass. Turn right (N) and follow the Handies Peak-Whitecross Mountain ridge, using caution on the steep descending section off the summit block. If there is a lot of snow along the ridge, be sure you stay well to the left of the snow edge to avoid any cornices that have formed above Grizzly Gulch. Below
	the summit block, continue down the crest of the now relatively gentle ridge to the saddle before point 13,077' then make a hard right turn onto the cairned trail into Grizzly Gulch. There may be a lot of snow in this area, but the high volume of foot traffic
	should have a good path beat in. You drop quickly down the east side of the ridge around three switchbacks, and then parallel (NNE) the Handies Peak-Whitecross Mountain ridge to about the 12600' level. The route then becomes more easterly, using several switchbacks to take you into the bottom of the Grizzly Gulch Basin and south of Whitecross Mountain. At about the
	12,200' level cross to the right side of the stream for a short distance then cross back to the left. You will stay to the left side of the drainage the rest of the way to Burrows Park.
[65.5]	Grizzly Gulch Lake Trail. Near timberline the stream and trail coming from Grizzly Lake will be on your right. Continue
11800	straight (E) keeping the stream to your right (S). Descend into the timber, staying on the trail all the way to the Burrows Park. About 150 feet before Burrows Park, cross the Lake Fork of the Gunnison River on a metal bridge. (There will be self service
5 (7 7)	water containers located near the bridge crossing.)
[67.7] 10590	BURROWS PARK. There is a BLM built toilet here at the intersection of the Grizzly Gulch trail and Cinnamon Pass Road. Burrows Park is a major camping/parking area for climbers attempting Handies, Redcloud or Sunlight peaks. Turn right (SSE) on the Cinnamon Pass Road (4 RD). Follow this very popular jeep road for 3.2 miles. Those of you who are here between about 8 am and noon will meet a large number of vehicles. Be Alert!! One section of this road offers a spectacular example of a shelf road that has been blasted out of the cliffs high above the Lake Fork of the Gunnison. When you get to the intersection of the Lake Fork of the Gunnison and Cottonwood Creek Valleys, turn right (S) off the road at the BLM signs to the Sherman Overlook site.
[70.9]	Sherman Overlook. Just past the signs, take a hard left (E), cross the meadow (30 to 40 yards) and enter the trees. Pick up a
9925	game trail to your right in the first gully and follow it down (S) (~300 yds) to an abandoned road. Follow this abandoned road down about 0.5 mi (SSE) then turn right on a game trail that angles back toward the Lake Fork of the Gunnison. Cross the ruins of an old mine on the dump below a rock wall, and follow a good secondary trail to the Sherman Road. Turn right (W) on the auto road, immediately cross the bridge over the Lake Fork of the Gunnison river and go a half-mile to the aid station.
[71.9] 9640	SHERMAN AID STATION- MEDICAL CHECK-CREW ACCESS-BAG DROP. Station will be located near the rest rooms that are located at the Cataract Gulch trail turn off.
	The trail into Cataract Gulch, TR 475, is well marked with BLM signs. Turn left (S) on the Cataract Gulch trail, cross
	Cottonwood Creek on a steel bridge and follow the excellent trail into the gulch. There will not be many, if any markers on this section. A minimum number of markers will be put in during marking, but we have had a problem with people pulling markers from Sherman to Cataract Lake. Therefore, do not be surprised if you do not see any markers in this section. For the first mile,
	the trail stays on the north face sloping of Cottonwood Creeks as it climbs through a series of switchbacks for some 600 vertical feet. At about 10,200' the trail enters into Cataract Gulch on the left [E]side of the stream, crosses the stream four times in the
	narrow part of the canyon, then climbs left (E) away from the stream as it approaches timberline. The second crossing is just
	above a waterfall and has been known to be very slick with algae so be extra careful at that crossing. (In recent years there has been a log crossing up stream about 30 yards.) The trail leaves the stream (E) and climbs rapidly through the willows before
	turning back to the South in the high meadows. When the good trail disappears at about 12000', cross the stream that drains Cataract lake. Bear right (WSW) until you meet a good sheep trail. Turn left (S) on it. There will be a couple of small ponds on
[76.5]	your right. Cataract Lake. The lake will be to the left across the willow filled valley. You will be climbing steadily toward the saddle, Pole-
12100	Cataract Divide, directly in front (S) of you. Pass to the left (E) of the lake sitting on top of the Continental Divide. You decide which ocean the water leaving it goes to.

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[77.0]	Elev. 12200. Cataract-Pole Divide. Pass #8. At the far end of the lake, you will be looking into upper end of the Main Fork of
12200	Pole Creek. Just past the end of the lake, turn right (W) on a sheep trail that traverses around the hill at about 12,200'. After
	about 250 yards, turn left (SSW), leave the obvious sheep trail and follow a secondary animal trail steeply down hill through the
	willows. Cross a small flat to the left slide rock out-cropping. Follow the faint trail to the stream coming from the right, cross it
	and work your way through the swampy area, climbing slightly before continuing down and across the hill side to the right (W)
	of the drainage and above a large meadow. This inviting looking meadow is very swampy. To your left, you will be able to see
	the Colorado Trail descending from the east. Aim for the point about 50 yards right of the intersection of the Colorado Trail and
	Pole Creek always staying right of Pole Creek and above the meadow.
[79.9]	Colorado Trail. TR 787 or TR 1776. Merge with the Colorado Trail/Continental Divide Trail continuing down hill (SSW) on
11810	the right side of the Main Fork of Pole Creek. The canyon narrows and you will cross the main stream twice as you descend
11010	through this high valley dotted with small ponds. After a short climb from the second crossing, you open out into a large valley
	with three intersecting streams. One is the Main Fork of Pole Creek that you have been following, the second, to your right is
	the North Fork of Pole Creek that you will cross, and the third, that you are looking up front of you is the West Fork of Pole
	Creek. The route climbs to the head of the West Fork. Come down a steep trail toward the confluence of the North and Main
	Forks of Pole Creek, keeping the Main fork on your left. Cross the North Fork Trail, and continue straight (W) wading the
	North Fork of Pole Creek, above its confluence with the Main Fork. Angle down canyon (SSW) on the W side of Pole Creek on
	a good trail. After crossing a small stream coming in from the right, climb onto a willow covered bench and look for a large
	stand of spruce and fir trees at the edge of a bare grass covered ridge. If you are looking directly down Pole Creek, they should
	be at about the two o'clock position to your right. Leave the trail to your right and work your way through the willows (50
	yards) to the trail you see coming off the steep, grassy hillside. Once on the trail, angle (SW) toward where the trees and grass
	meet on the bench. The Pole Creek aid station will be located about a hundred yards away near the top of the small ridge to the
	left (S) of a pond.
[80.8]	Elev. 11260. POLE CREEK AID STATION . This is another station where supplies have been packed to the site, this time
11460	by horse. (A small piece of history. There have been three helicopter evacuation from this aid station, two for runners and one
	for an aid person.) From the aid station head directly (W) toward a wooden pole that marks the trail into the West Fork of Pole
	Creek. The trail you are on has two designations on the map- the La Garita Stock Drive and the continuation of the Continental
	Divide Trail (TR 918 or 787). The trail will stay high to the right of the stream for 1.4 miles, through endless grassy hillsides
	and small gullies, while crossing numerous small seeps that can support knee-deep mud. You will cross the West Fork stream
	where it turns from flowing out of the west to northwest. This crossing is through a swampy willow area with lots of large,
	deep, muddy holes. Just after the crossing beyond the willows, the trail crosses a quarter mile long meadow (W). This area has
	many elk that have been known to pull the markers from the ground and let them drop, and to stomp the markers down as the
	herds cross the area. There is a large, wooden post set away from the trees in the meadow that marks the route. Just past the
	post, angle slightly right (WNW) skirting the trees, and find the trail crossing Sheep Creek, coming off Sheep Mountain to your
	left (S).
[82.5]	Sheep Creek. Make sure you get on the trail here otherwise getting through the willows that cover the hillside for the next mile
11540	will be difficult. The West Fork of Pole Creek branches into three forks in this upper basin and you get to cross all of them.
115.10	From here the trail climbs in a WNW direction to the headwaters of the West Fork, then tops the continental divide on the
	Maggie-Pole Pass.
[84.2]	Maggie-Pole Pass. Pass #9. Continental Divide. Go down hill (WNW) on the Continental Divide Trail, La Garita Stock Trail.
12530	Just before reaching the stream in the first drainage, the Continental Divide trail turns left staying left (S) of the drainage while
12330	the LaGarita Stock drive crosses the drainage and continue NNW. Turn left (W) onto the Continental Divide trail. As you
	descend, the direction of travel changes from W to SW on a line directly toward Canby Mountain that you see across Maggie
	Gulch. As you descend, you will be able to see the end of the Maggie Gulch Road, the site of the aid station. When you get
	almost directly above the aid station, leave the Continental Divide Trail making a right turn (W) cross country toward the end of
	the road. About 100 yards above the end of the road you will merge into a good trail that takes you directly to the aid station
	site.

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[85.1]	MAGGIE GULCH AID STATION. Located just below the road end on the tailings pile is a well preserved stamp mill. This
11640	water powered crusher was used to reduce rock to dust so the gold and silver could be more easily separated. Find the trail that
110.0	continues up canyon (S) on the left side of the Maggie Gulch Stream and go about 0.2 mi. As you approach the intersection of
	the Maggie Gulch stream with a stream coming from the west, that I will call MG West, turn right (W) on a trail that takes you
	just above the confluence and cross the Maggie Gulch Stream. Follow the trail up the left side of MG West for about 100 yards
	(W), cross MG West on the trail and climb a few hundred yards in the NW direction, watching carefully for the switch back. A
	few feet beyond the switch back the trail disappears. Pick a line directly up the mountain (W) and climb steeply toward the head
	of MG West. When you reach the ridge high above the steep gully of MG West angle right on the ridge top. At about the
	12,500' level pass an old sheep herder's camp with a set of rusting bedsprings and turn left (S) across the bench on a sheep trail.
	Cross MG West and continue on the trail for about 0.4 miles, climbing gradually and heading directly toward Canby Mountain.
	On your Drake map you are going cross-country between the two streams shown on the west side of Maggie Gulch and north of
	swampy area below Canby Mountain. At about 12600 feet and just before reaching the second stream, angle right (SW) on a
	good sheep trail that allows you traverse under the cliff band guarding the ridge. You want to meet the Buffalo Boy ridge about
	0.1 miles S of the low point in the ridge where the cliff band ends at the ridge. When you get to the S end of the cliffs on the
	sheep trail, you will still be about 100 vertical feet below the ridge. Continue to climb S for another 100 yards then make a
	switch back and climb to the ridge/cliff intersection. This small saddle (13,060) is where the old pack trail between Maggie
	Gulch and Rocky Gulch, (Drake Map along the N side of Canby) crosses the ridge. Acrophobia, Exposure.
[86.5]	Buffalo Boy Ridge. As you reach the top of the ridge you will be looking into Rocky Gulch. The remains of the Buffalo Boy
13060	and Tram Shed are readily visible in the bottom of the basin. Also visible are the cables of the tram and several tram towers
	used to carry the ore and supplies between the Buffalo Boy to Cunningham Gulch. Turn left (S) on the ridge top and follow the
	trail over a small peak (13,214) [For those of you here in the daylight, the entire Grenadier Range with it's toothy grin is laid out
	in front of you.] then drop toward the 13,060' saddle NW of Canby Peak. From the saddle, angle right on the built trail that
	leaves the ridge and traverses the right (W) side of Canby Peak (SSE). As you come around Canby Peak the trail drops
	gradually and swings more toward the SE. Take a sighting on the ridge across (S) Stony Pass. On the left side of this ridge is an
	unnamed, very pointed, pyramid shaped peak (13165') with a deep saddle to its right (W). That saddle, Green Mountain Pass, is
	your target. The Stony Pass jeep Road can be seen below you. Continue on the trail until you are just beyond (E) of the top of
	Stony Pass. The trail disappears just beyond a steep gully and about 150 vertical feet above the road. Go beyond the gully onto
	the grassy slope then make several steep switchbacks down to the Stony Pass Jeep Road.
[87.6]	Stony Pass.FR 737, 3RD. Cross the jeep road SSW, and continue cross-country toward the right (W) side of peak 13165. Green
12580	Mountain is the high point in the ridge at about your two o'clock position. There are game/sheep trails through these high
	meadows that will lead you under peak 13165 and into a gully filled with very dark dirt. Turn left, (SE), and climb this gully to
	the saddle. Turn right in the saddle and climb about 50 vertical feet until you can get around the snow cornice blocking descent
	into the Green Mountain Drainage.
[88.2]	Green Mountain Pass. From this pass you are going to make a very large U turn over a mile and half to get around the head of
12980	and into the bottom of the Green Mountain Valley. Stand on top of the ridge with Stony Pass and Canby Peak at your back. Go
	down the hill (S) for 0.15 mi staying 40 to 50 yards to the right (W) side of the north/south ridge, the Continental Divide. To the
	left of the ridge (E) are the headwaters of the Rio Grande River while to the right is Green Mountain Valley. At the first saddle
	(12,800'), angle right (SSW) to the top of an east/west ridge that forms the head of the Green Mountain Valley. Follow the
	sheep trial or cross country down the crest of this ridge (W) for 0.4 mi, dropping rapidly into the upper (S) end of the Green
	Mountain Valley. Cross the stream at about the 12,200' level and go down stream on the good trail that parallels the left side of
	the Green Mountain Stream (NNW). Some 0.75 mi down this valley you climb onto the ridge between Green Mountain Valley
	and Cunningham Gulch. Across the canyon to your left, you will be able to see Dives Basin and the Little Giant Peak, your next
	and final climb. Follow the ridge paralleling Green Mountain Stream (NNW) 0.25 miles until the ridge drops precipitously then
	make a hard left (SW) and work your way out onto the face of the mountain above Cunningham Gulch. Make switchbacks
	across the face dropping steeply into Cunningham Gulch. About 100 vertical feet below the ridge is a hard to find old mining
	trail that continues in a switch back pattern direction of travel paralleling the Green Mountain Stream (W). After reaching some
	big spruce, the trail makes a final switchback (11200) and begins a long steady descending traverse (SSW) parallel to
	Cunningham Gulch. The trail improves somewhat as you descend across steep grassy slopes and through a series of cliffs,
	(Exposure, Acrophobia). As you descend the Cunningham Gulch Aid Station will become visible below you. Continue on the
	trail until it connects with the Cunningham Gulch Road, upstream from the Aid Station. Turn right (N), and go a quarter of a
	mile on this auto road to the Aid Station.

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work toward it. Start by wading Cunningham Creek, then angle right (NNW) steadily climbing, cross the stream coming out of Store Basin well below the waterfall and pick up the Shenandoah/Dives Mine trail. Willows have grown over the lower sections of this trail so watch carefully for the switchbacks. Once into the switchbacks, the general direction of the trail is west, staying on the right (N) side of the Dives stream. There are a number of mine tatilings and ruins evident to your left as you climb up the slope. At about the 12000 foot lovel you will cross the headwall cliff and move into the upper Dives basin. The remains of a number of collapsed buildings and large depression showing where a shaft has collapsed buildings and large depression showing where a shaft has collapsed buildings of the Dives Mine site and pick up the trail on the right (N) side of the basin moving NW. After about 200 yards angle right (N) and climb steeply on a series of animal trails toward the east ridge of Little Giant Peak. At the 13000' level you will meet an old wagon road that is marked with a series of mine and road sticking two to three feet out of the ground. [93.4] Dives-Little Giant Pass. Pass #12. Last Pass (about time!!). At the east ridge coming off Little Giant Peak, elev. 13000, get on the wagon road and traverses the east side of Little Giant Peak, going N. Acrophobia, exposure. This section of trail is subject to holding large amounts of snow until late in the summer. Directly below the trail is a very steep grass slope that within 100 yards empties over sheer cliffs that are several hundred feet high. A slip here could be fatal! IF SNOW CONDITIONS WARRANT IT, THERE WILL BE A FIXED ROPE HERE. [93.6] Little Giant Saddle. To your left you will be looking down Little Giant Basin. Your direction of travel (NW) will be toward the here in day light most of the trail and rods holding up some sections and then skirts the north side of Little Giant Basin. If you are here in day light most of the trail can be seen from the	[91.2]	CUNNINGHAM AID STATION. CREW ACCESS-BAG DROP. Locate the waterfall coming out Dives Basin, (W) and
sections of this trail so watch carefully for the switchbacks. Once into the switchbacks, the general direction of the trail is west, staying on the right (N) side of the Dives stream. There are a number of mine tailings and ruins evident to your left as you climb up the slope. At about the 12000 foot level you will cross the headwall cliff and move into the upper Dives basin. The remains of a number of collapsed buildings and large depression showing where a shaft has collapsed illustrate some of the energy that has been invested into this mountain. Go past the collapsed building of the Dives Mine site and pick up the trail on the right (N) side of the basin moving NW. After about 200 yards angle right (N) and climb steeply on a series of animal trails toward the cast ridge of Little Giant Peak. At the 13000' level you will meet an old wagon road that is marked with a series of metal rods sticking two to three feet out of the ground. [93.4] Dives-Little Giant Pass. Pass #12. Last Pass (about time!!). At the east ridge coming off Little Giant Peak, elev. 13000, get on the wagon road and traverses the east side of Little Giant Peak, going N. Acrophobia, exposure. This section of trail is subject to holding large amounts of snow until late in the summer. Directly below the trail is a very steep grass slope that within 100 yards empties over sheer cliffs that are several hundred feet high. A slip here could be fatal! IF SNOW CONDITIONS WARRANT IT, THERE WILL BE A FIXED ROPE HERE. [93.6] Little Giant Saddle. To your left you will be looking down Little Giant Basin. Your direction of travel (NW) will be toward the Mayflower Mill and tailings piles you see at the bottom just across the Anima River. The trail leaves the saddle on some blasted tread with metal support rail and rods holding up some sections and then skirts the north side of Little Giant Basin. If you are here in day light most of the trail can be seen from the saddle. As you get into the basin the trail goes from a NNW to W direction. There may be som	10380	work toward it. Start by wading Cunningham Creek, then angle right (NNW) steadily climbing, cross the stream coming out of
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	[100.5]	

2012 Hardrrock Results

	2012 Hardin												
Rank Runner	Bib KT 11.5											2 Cunningham 91.3 S	
1 Hal Koerner, M 36 OR	164 08:24-08:24 3 08:24-08:24		12:18-12:19	14:01-14:02			17:41-17:42 17:58-17:59	19: 10-19: 14 19: 34-19: 38	22: 27-22: 30 23: 14-23: 17	01:06-01:08	02: 26-02: 28 03: 11-03: 12	04:22-04:23 04:53-04:54	6:50 24:50:00 7:06 25:06:00
2 Joseph Grant, M 29 BC													
3 Dakota Jones, M 22 CO 4 Nick Pedatella, M 27 CO		10:00-10:01 10:03-10:04			14:30-14:31		17:57-17:58 18:36-18:38	19: 22-19: 27 20: 15-20: 20	22: 25-22: 42 00: 42-00: 49	01:42-01:44 03:54-03:56	03:06-03:08 05:22-05:23	05:18-05:23 07:27-07:28	7:45 25:45:00 10:03 28:03:00
	183 08:26-08:27 5 08:48-08:50	10:03-10:04			14:56-14:56		19:35-19:36	21:16-21:17		04: 13-04: 14	05: 22-05: 23		
5 Ted Mahon, M 40 CO		10:00-10:01		15:18-15:20					01:16-01:21	04: 23-04: 31	05:56-06:02	07:46-07:48	10:20 28:20:00
6 Scott Jaime, M 43 CO 7 Karl Meltzer, M 45 UT		10:00-10:01		14:16-14:16 14:20-14:20	14:48-14:48		18:56-18:58 18:13-18:15	20: 36-20: 44 19: 53-19: 53	01:05-01:13 23:44-23:52	04: 23-04: 31	05:56-06:02	07:56-07:58 07:22-07:30	10:37 28:37:00 10:43 28:43:00
8 Adam Wilcox, M 31 NH	207 08:38-08:40				15:23-15:24			20: 52-20: 54	01:08-01:10	04:14-04:15	05:50-05:50	07:55-07:56	10:55 28:55:00
9 Jason Poole, M 41 CO	188 08:44-08:45	10:32-10:32			15:46-15:46		19:31-19:33	21:17-21:23	01:47-01:52	05:12-05:15	06:34-06:35	08:35-08:35	10:57 28:57:00
10 Patrick Stewart, M 27 CO	200 08:44-08:46			14:54-14:55				20: 37-20: 44	00:53-01:00	04:01-04:03	05: 37-05: 41	08:09-08:38	11:04 29:04:00
11 Darcy Africa, F 37 CO 12 John Hart, M 46 MT	4 08:39-08:40 147 08:54-08:57			15:08-15:09 15:18-15:21			19:31-19:32 19:36-19:40	21: 20-21: 20 21: 19-21: 28	01:38-01:43 01:56-02:07	04: 48-04: 50 05: 44-05: 49	06: 25-06: 28 07: 02-07: 06	08:32-08:36 08:57-09:03	11:09 29:09:00 11:35 29:35:00
					15:22-15:24		19: 36-19: 40	21:19-21:28	01:56-02:07	04:47-04:53	07:02-07:06		11:35 29:35:00
13 Jared Campbell, M 33 UT												08:41-08:46	
14 Jason Koop, M 34 CO	166 08:40-08:41			14:53-14:53				21:00-21:04 21:52-22:07	01:05-01:07	04:34-04:40	06:31-06:42	08:59-09:00	12:20 30:20:00
15 Dominic Grossman, M 26 CA 16 Brian Fisher, M 47 CO	140 08:38-08:40 132 08:56-08:59			15:28-15:30 15:43-15:46				22:33-23:01	03:00-03:16 03:20-04:28	06: 18-06: 21 07: 20-07: 32	07: 37-07: 46 08: 47-08: 57	10:06-10:06 10:46-10:54	12:46 30:46:00 13:23 31:23:00
17 Timmy Parr, M 31 CO	181 08:26-08:26			14:21-14:22			18:30-18:35	20: 14-20: 21	01:21-01:37	05:19-05:34	07:06-07:17	09:49-10:00	13:50 31:50:00
18 Jonathan Basham, M 35 WA	107 08:31-08:32			14:42-14:43				20: 15-20: 20	23:43-23:46	02:48-02:51	04:27-04:56	10:45-10:45	13:58 31:58:00
19 David Wilcox, M 51 CO	208 09:02-09:04			15:51-15:53				22: 37-22: 41	03:42-03:47	07:17-07:22	08:47-08:52	11:09-11:15	14:30 32:30:00
20 Rhonda Claridge, F 45 CO	213 08:52-08:53			15:54-15:55				23:01-23:01	04:07-04:21	07:54-07:56	09:22-09:24	11:35-11:38	14:43 32:43:00
21 Cory Johnson, M 48 UT	159 09:05-09:08			16:40-16:41			21:49-21:52	23:48-23:52	04:29-04:44	07:51-07:53	09:13-09:15	11:34-11:37	14:48 32:48:00
22 David Hayes, M 45 UT				16:09-16:13			21:23-21:32	23: 30-00: 12	04:58-05:19	08:23-08:28	09:50-09:55	12:01-12:07	14:57 32:57:00
23 David Coblentz, M 50 NM				15:56-15:57			21:02-21:09	23: 28-23: 41	05:04-05:20	08:28-08:31	09:50-09:55	12:05-12:14	15:14 33:14:00
24 Clark Fox, M 50 CO	134 08:44-08:47 7 09:15-09:17		13:15-13:21		16:09-16:09			22: 28-22: 41	03:35-03:42	06: 52-06: 54 08: 57-08: 58	08:22-08:27	11:12-11:19	15:20 33:20:00
25 Billy Simpson, M 57 TN				16:50-16:53			22:19-22:28	00: 27-00: 34	05:34-05:48		10:05-10:08	12:14-12:16	15:34 33:34:00
26 Christian Johnson, M 41 UT	11 08:48-08:50				16:38-16:43		21:23-21:33	23: 36-00: 03	04:59-05:18	08:33-08:40	10:06-10:08	12:30-12:38	15:44 33:44:00
27 Darla Askew, F 40 OR	103 09:10-09:12			16:32-16:34			21:32-21:34	23: 39-23: 47	05:25-05:34	09:02-09:06	10: 32-10: 39	12:56-13:02	15:52 33:52:00
28 Brett Gosney, M 53 CO	6 08:48-08:50			16:03-16:07			20:51-20:55	22:50-23:03	04:27-04:40	08:14-08:20	09:50-09:55	12:30-12:40	16:03 34:03:00
29 Corey Hanson, M 36 CO	143 08:31-08:34				16:35-16:38		21:08-21:22	23: 56-00: 18	06:06-06:27	09:34-09:41	11:13-11:23	13:46-13:55	17:11 35:11:00
30 Tom Remkes, M 51 UT	193 09:05-09:08			17:21-17:24			22:32-22:36	00: 41-00: 50	05:55-06:05	09:41-09:48	11:30-11:39	13:55-14:02	17:12 35:12:00
31 Ricky Denesik, M 53 CO		11:16-11:17			17:19-17:21		22:04-22:08	00: 25-00: 32	06:11-06:21	09:47-09:59	11:38-11:43	13:58-14:03	17:31 35:31:00
32 Shinsuke Isomura, M 0	153 09:37-09:39			17:25-17:27			22:31-22:35	00: 29-00: 45	06:07-07:05	10:55-11:14	12:58-13:03	14:59-15:53	17:34 35:34:00
33 Drew Gunn, M 38 CO	141 09:09-09:12			16:31-16:33			22:01-22:07	00: 25-00: 40	06:26-06:38	10:04-10:10	11:35-11:39	13:57-13:57	17:34 35:34:00
34 Tim Long, M 45 UT	23 08:44-08:47			15:56-16:00				23: 43-00: 21	06:02-06:23	09:48-09:54	11:33-11:39	14:12-14:17	17:49 35:49:00
35 Jon Teisher, M 37 CO	203 08:56-08:58			16:24-16:28				00: 22-00: 38	07:12-07:25	10:42-10:50	12:24-12:45	15:18-15:18	18:06 36:06:00
36 Kristin Moehl, F 35 WA	174 08:51-08:53			15:57-16:00			20:53-20:56	22:55-23:03	05:06-06:18	09:46-09:47	11:20-11:28	14:21-14:25	18:36 36:36:00
37 Mark Oveson, M 45 CO 38 Cam Baker, M 35 PA	179 09:09-09:12 104 09:40-09:42			17:05-17:09 17:45-17:51			22:48-22:57 23:59-00:08	01:14-01:40 02:31-02:44	07:33-08:01 07:51-08:04	11:11-11:13 11:11-11:16	12: 48-12: 56 12: 49-12: 58	15:18-15:18 15:31-15:36	18:46 36:46:00 19:00 37:00:00
39 Jim Harris, M 48 OH	146 09:40-09:42			18:24-18:27			00:17-00:22	02:31-02:44	07:51-08:04	11:11-11:16	12:49-12:58	15:31-15:36	19:00 37:00:00
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46 Stuart Erskine, M 47 AB	126 09:20-09:23			17:26-17:29				01:47-02:11	07:23-07:36	11:08-11:16	12:57-13:04	15:50-16:05	20:10 38:10:00
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51 Blake Wood, M 54 NM	12 09:29-09:32	11:56-12:02	15:22-15:31	17:44-17:46	18:37-18:39	20:02-20:12	23:14-23:19	01:37-01:52	07:26-07:56	11:31-11:40	13:21-13:33	16:45-16:45	20:49 38:49:00
52 Julian Jamison, M 39 MA	14 09:21-09:24	11:31-11:40	15:27-15:48	18:25-18:33	19:16-19:19		01:50-02:34	05:07-05:44	10:20-10:41	13:57-14:02	15:31-15:43	17:50-18:00	20:49 38:49:00
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55 Megan Finnesy, F 44 CO	131 09:29-09:32	11:37-11:41	15:13-15:26	17:44-17:47	18:30-18:32	20:14-20:39	00:31-00:42	03:30-04:18	09:45-10:15	13:25-13:25	14:58-15:05	17:59-18:03	21:24 39:24:00
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62 Harry Harcrow, M 45 CO	144 08:44-08:46	10:35-10:37	13:14-13:20	15:16-15:17	15:54-15:58	17:11-17:21	19:54-20:03	21:54-06:27	10:43-11:06	14:18-14:30	16:00-16:14	18:49-19:11	23:02 41:02:00
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66 Dmitry Lysenko, M 37	170 09:05-09:09	11:39-11:49	15:15-15:41	18:00-18:04	18:55-19:02	20:46-21:13	00:40-00:52	03:16-03:50	09:27-10:01	13:41-14:00	15:41-16:14	19:11-19:32	0:33 42:33:00
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68 Ken Ward, M 55 OR	25 09:23-09:26	11:49-11:56	15:36-15:55	18:27-18:33	19:19-19:24	21:10-21:40	01:08-01:20	04:11-04:42	10:42-11:06	15:04-15:07	17:04-17:14	20:00-20:25	0:40 42:40:00
69 Randy Isler, M 55 NM	13 09:10-09:12	11:28-11:30		17:33-17:37		20:35-20:35	23:59-00:11	02:47-03:23	09:39-09:56	14:06-14:12	16:19-16:36	19:52-20:11	1:01 43:01:00
70 Chad Piala, M 36 CO	187 09:10-09:13			17:33-17:36				02:47-03:20	09:39-09:58	14:06-14:12	16:19-16:36	19:45-20:11	1:01 43:01:00
71 Adam Byerly, M 33 CO	111 09:29-09:33	11:54-12:00	15:27-15:39	18:25-18:31	19:23-19:26	21:01-21:18	01:17-01:21	04:06-04:23	10:22-10:39	14:51-14:59	16:52-17:00	19:53-20:09	1:04 43:04:00
72 Gretchen Brugman, F 39 CA	109 09:30-09:32			18:39-18:42				04: 29-04: 43	10:55-10:59	15:00-15:05	16:55-17:02	20:32-20:32	1:10 43:10:00
73 Levi Burford, M 31 NH	110 09:23-09:26	11:37-11:40	15:03-15:14	17:48-17:52	18:40-18:45	20:27-20:50		04:06-04:52	11:08-11:20	15:07-15:28	17:20-17:39	20:42-21:08	1:13 43:13:00
74 Bob Crowley, M 55 CA	119 10:01-10:04			19:18-19:19				04: 34-04: 41	10:16-10:29	14: 10-14: 16	16:18-16:36	19:37-19:54	1:13 43:13:00
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76 Mike Weigand, M 38 VT	205 09:24-09:29			18:01-18:09			00:17-00:31	03:31-04:13	09:55-10:41	14:17-14:33	16:25-16:41	20:00-20:38	1:23 43:23:00
77 Eric (Rick) Hodges, M 63 CO	151 09:40-09:45	12:25-12:32	16:06-16:21	18:38-18:42	19:33-19:37	21:28-22:02	01:22-01:27	04:14-04:53	10:35-11:06	14:59-15:09	17:03-17:15	20:16-21:21	1:44 43:44:00

2012 Hardrrock Results

78 John Sharp, M 35 TX		11:58-12:02	15.42 15.40	18:07-18:10	10.55 10.57	20:37-20:48 00:03-00:07	02:39-03:00	08:59-09:29	13:55-14:01	16:00-16:49	20:08-20:29
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79 Alan Smith, M 43 CO	197 09:40-09:42								15:49-15:50		
80 Mark Heaphy, M 50 MT	19 09:29-09:31			18:26-18:29		21:05-21:36 01:49-01:55		11:27-11:57	15:43-15:44	17:30-17:47	20:43-21:12
81 Kerry Owens, F 49 DC	180 09:56-09:58			19:34-19:41		22:19-22:33 02:34-02:40		11:48-11:57	16: 10-16: 17	18:12-18:17	21:24-21:32
82 Dennis Drey, M 61 NM	22 09:44-09:48			16:07-16:16		21:38-21:59 02:11-02:26			15:49-16:00	17:49-18:03	20:57-21:19
83 Gary Redwine, M 55 OR	191 09:47-09:50	12:40-12:45	16:39-16:50	19:55-19:59	21:05-21:08	23:02-23:15 03:01-03:06	05:38-05:52	11:31-11:46	16:01-16:13	18:11-19:12	22:02-22:12
84 Ernie Floyd, M 58 UT	133 09:46-09:50	12:14-12:20	16:07-16:22	18:56-18:59	19:49-19:54	21:47-22:23 02:12-02:30	05:03-06:30	11:34-11:59	15:43-15:48	17:33-17:43	20:43-21:22
85 Harris Goodman, M 47 CA	139 09:54-09:59	12:55-13:02	16:50-17:06	19:37-19:45	20: 42-20: 49	22:32-22:52 02:57-03:06	05: 57-06: 12	11:59-12:19	16:03-16:12	17:59-18:12	21:30-21:43
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87 Brad Koenig, M 36 NJ	163 09:16-09:19			18:12-18:18		20:59-23:55 03:27-03:35		11:56-12:37	16:51-17:01	18:38-19:05	22:06-22:42
88 Julian Smith, M 46 CO	198 09:25-09:28			18:47-18:51		21:54-22:20 02:05-02:13			15:59-16:18	18:09-19:02	22:09-22:31
89 Noe Castanon, M 42 CA	114 09:54-09:57			19:20-19:24		21:53-22:13 01:50-01:57	04:33-03:13		15: 28-15: 40	17:42-17:55	
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90 Doug Seaver, M 32 CA	195 09:40-09:44			18:58-19:06	20:01-20:09	21:50-22:14 02:06-02:18		11:36-12:05	15:57-16:11	17:59-19:07	22:06-22:48
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96 Doug Sullivan, M 51 DC	202 10:06-10:09		16:58-17:04			23:40-00:01 04:47-04:52		13:40-13:50	18:00-18:08	20:00-20:12	23:46-23:58
97 James Ficke, M 51 TX	28 09:22-09:25			18:12-18:18		21:00-21:21 01:26-02:07	04:56-07:52	14:22-14:45	18:36-19:01	20:51-21:01	00:39-00:58
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111 Hans Dieter Weisshaar, M 72 GER				20:38-20:42		00:11-00:23 04:42-04:47		14:11			
112 Robert B. King, M 51 TX	162 09:55-09:58		17:05-17:21			23:11-23:44 03:34-03:39		13:49-14:17			
112 Robert B. King, M 51 TX 113 Randall Dunn, M 57 CO	162 09:55-09:58 124 09:49-09:53			20:07-20:09 20:21-20:28		23:11-23:44 03:34-03:39 23:52-01:09 05:58-06:15		13:49-14:17 16:50)		
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113 Randall Dunn, M 57 CO	124 09:49-09:53	12:45-12:52 13:22-13:29	17:32-17:32 17:56-19:04	20:21-20:28	21:43-21:50 22:54-22:56	23:52-01:09 05:58-06:15	09:41-10:08	16:50 18:05			
113 Randall Dunn, M 57 CO 114 Jennifer Roach, F 59 CO 115 Donnie Haubert, M 34 CO	124 09:49-09:53 194 10:13-10:16 148 08:43-08:46	12:45-12:52 13:22-13:29 10:34-10:34	17:32-17:32 17:56-19:04 13:17-13:17	20:21-20:28 21:21-21:22 15:20-15:23	21:43-21:50 22:54-22:56 15:58-15:59	23:52-01:09 05:58-06:15 01:37-01:48 07:10-07:13 17:12-17:19 20:19-20:31	09: 41-10: 08 10: 03-10: 13	16:50 18:05			
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Place	Name	Age	State	Time	Sex	Place	Finished	<u></u>	95	Randy Isler	42	NM	31:05:04	М	99-003	17
1 2	Kyle Skaggs Sebastien Chaigneau	23 41	NM FRANCE	23:23:30 24:25:50	M M	08-001 13-001			96 97	Nick Coury	21 52	AZ UT	31:07:10 31:09:15	M M	08-005 10-010	2 10
3	Karl Meltzer	41	UT	24:38:02	М	09-001	7		98	Roch Horton Roch Horton	52 51	UT	31:09:13	M	09-008	10
4	Hal Koerner	36	OR	24:50:00	М	12-001	2		99	Diana Finkel	36	CO	31:09:40	F	08-006	4
5 6	Joseph Grant Julien Chorier	29 31	CAN FRANCE	25:06:00 25:17:00	M M	12-002 11-001	2		100 101	Darla Askew Scott Mills	40 49	OR VA	31:09:52 31:11:05	F M	13-013 00-007	2 5
7	Troy Howard	40	CO	25:20:09	М	13-002	2		101	Randy Isler	41	NM	31:14:50	M	98-004	17
8	Dakota Jones	22	CO	25:45:00	М	12-003	2		103	Scott Mills	47	VA	31:16:53	М	98-005	5
9 10	Troy Howard Scott Jurek	36 34	CA WA	26:01:18 26:08:34	M M	09-002 07-001	2		104 105	Scott Jaime Jamil Coury	40 28	CO CO	31:17:14 31:19:29	M M	10-011 13-014	7 2
11	Scott Jaime	43	CO	26:38:43	М	13-003	7		106	Rob Youngren	39	AL	31:19:30	M	13-014	۷
12	Karl Meltzer Chris Price	33	UT	26:39:35	М	01-001	7		107	Curtis Anderson	36	UT	31:22:50	М	99-004	2
13 14	Karl Meltzer	32 38	CA UT	26:51:13 27:07:55	M M	13-004 06-001	7		108 109	Brian Fisher Ricky Denesik	47 49	CO CO	31:23:00 31:23:54	M M	12-016 09-009	3 5
15	Dakota Jones	21	CO	27:10:00	М	11-002	2		110	Giselher Schneider	41	GER	31:24:33	M	04-002	2
16 17	Jared Campbell Diana Finkel	30 37	UT CO	27:18:06	M F	10-001 09-003	8 4		111	Hal Koerner	29	WA	31:29:27	М	05-003	2
18	Nick Clark	37	CO	27:18:24 27:43:00	M	11-003	4		112 113	Dennis Poolheco Zachary Grossman	40 28	AZ CA	31:32:15 31:34:58	M M	00-008 05-004	
19	Scott Jaime	39	CO	27:47:53	М	09-004	7		114	Kirk Apt	41	CO	31:36:37	M	03-005	19
20 21	Karl Meltzer Nick Pedatella	35 27	UT CO	28:01:55 28:03:00	M M	03-001 12-004	7 2		115	Kirk Apt	39	CO	31:40:00	М	01-008	19
22	Andy Jones-Wilkins	41	ID	28:09:29	M	09-005	۷		116 117	David Horton Emily Baer	46 31	VA CO	31:40:59 31:41:34	M F	96-003 07-008	5 5
23	Ted Mahon	40	CO	28:19:27	М	13-005	6		118	John Anderson	31	CO	31:41:44	M	10-012	-
24 25	Ted Mahon Karl Meltzer	40 37	CO UT	28:20:00 28:29:15	M M	12-005 05-001	6 7		119	Ken Jensen	32	UT	31:42:03	М	00-009	2
26	Diana Finkel	38	CO	28:32:06	F	10-002	4		120 121	Tim Laney Aaron Denberg	47 42	UK AZ	31:46:50 31:47:32	M M	05-005 09-010	2
27	Jared Campbell	29	UT	28:32:57	М	09-006	8		122	Joe Clapper	39	VA	31:47:37	М	98-006	3
28 29	Scott Jaime Hans Put	43 41	CO NY	28:37:00 28:42:00	M M	12-006 01-002	7 2		123	Timmy Parr	31	CO	31:50:00	М	12-017	
30	Karl Meltzer	45	UT	28:43:00	M	12-007	7		124 125	Garrett Graubins Betsy Kalmeyer	33 45	CO CO	31:51:24 31:53:51	M F	05-006 06-003	3 14
31	Mark Hartell	39	UK	28:49:10	М	03-002	3		126	Mark Lange	33	CO	31:53:54	М	96-004	3
32 33	Nick Coury Adam Wilcox	25 31	CO NH	28:50:38 28:55:00	M M	13-006 12-008	2		127	James Nelson	38	UT CO	31:54:36	М	99-005	6
34	Jason Poole	41	CO	28:57:00	M	12-009	4		128 129	Ted Mahon Hiroki Ishikawa	39 30	JAPAN	31:55:00 31:55:18	M M	11-009 05-007	6 2
35	Daniel Levy	33	FRANCE	28:57:00	М	11-004	_		130	Betsy Kalmeyer	38	CO	31:55:36	F	99-006	14
36 37	Karl Meltzer Patrick Stewart	39 27	UT CO	28:59:08 29:04:00	M M	07-002 12-010	7		131 132	Jonathan Basham	35 47	WA CO	31:58:00 31:58:01	M M	12-018	5
38	Darcy Africa	37	CO	29:09:00	F	12-011	4		133	Ricky Denesik Kevin Shilling	37	UT	31:59:12	M	07-009 04-003	5
39	Krissy Moehl	30	WA	29:24:45	F	07-003			134	Ted Mahon	36	CO	31:59:20	М	09-011	6
40 41	Diana Finkel Jared Campbell	40 33	CO UT	29:27:00 29:32:47	F M	11-005 13-007	4 8		135 136	Tom Hayes-McGoff Scott Hirst	51 33	MT CO	31:59:50 32:00:13	M M	01-009 94-001	4
42	John Hart	46	MT	29:35:00	М	12-012	-		137	Scott Gordon	38	NM	32:00:13	M	99-007	3
43	Kirk Apt	38	CO	29:35:00	М	00-001	19		138	Sue Johnston	40	VT	32:07:41	F	05-008	3
44 45	Michael Foote David Horton	26 43	MT VA	29:35:22 29:35:48	M M	10-003 93-001	5		139 140	Philippe Verdier Randy Isler	46 40	FRANCE NM	32:15:50 32:17:05	M M	09-012 97-003	17
46	Jared Campbell	27	UT	29:37:11	М	07-004	8		141	Brett Gosney	51	CO	32:17:49	M	10-013	7
47	Jared Campbell	33	UT	29:38:00	М	12-013	8		142	Sue Johnston	35	VT	32:20:03	F	00-010	3
48 49	Joseph Grant Jason Poole	28 41	CO CO	29:38:00 29:41:11	M M	11-006 13-008	2 4		143 144	Rick Trujillo Danny Gnojek	46 44	CO CO	32:20:24 32:21:00	M M	94-002 11-010	2
50	Leland Barker	46	UT	29:43:06	М	03-003			145	David Horton	42	VA	32:24	M	92-001	5
51	Darcy Africa Paul Sweeney	36 41	CO	29:46:00	F	11-007	4 6		146	Tom Hayes-McGoff	55	MT	32:26:00	М	05-009	4
52 53	Scott Gordon	39	CA NM	29:46:29 29:49:15	M M	07-005 00-002	3		147 148	Ty Draney Glenn Mackie	32 44	WY TX	32:27:17 32:28:03	M M	06-004 06-005	2 6
54	Scott Jaime	38	CO	29:50:53	М	08-002	7		149	Roch Horton	48	UT	32:28:38	M	06-005	10
55 56	Darcy Africa Adam Hewey	38 45	CO WA	29:54:55 29:55:57	F M	13-009 13-010	4 2		150	Kirk Apt	32	CO	32:29:40	М	94-003	19
57	Betsy Kalmeyer	40	CO	29:58:00	F	01-003	14		151 152	David Wilcox Tom Remkes	51 48	CO UT	32:30:00 32:31:23	M M	12-019 10-014	4 3
58	Paul Sweeney	39	CA	30:02:28	М	05-002	6		153	Betsy Nye	45	CA	32:32:07	F	10-015	12
59 60	Jan Fiala Blake Wood	48 40	NM NM	30:05:02 30:10:58	M	01-004 99-001	6 18		154	Whit Rambach	40	CA	32:32:50	М	07-010	
61	David Horton	50	VA	30:12:23	M	00-003	5		155 156	Tim Seminoff Kirk Apt	40 42	UT CO	32:32:59 32:34:16	M M	99-008 04-004	2 19
62	Ricky Denesik	38	CO	30:12:31	М	98-001	5		157	Tom Garrison	48	NM	32:35:04	М	06-007	5
63 64	Jonathan Worswick Darcy Africa	38 35	ASTRAL CO	30:12:40 30:14:49	M F	01-005 10-004	3 4		158	Charlie Thorn	47	NM	32:36:14	М	93-002	10
65	Nick Pedatella	25	CO	30:18:52	M	10-005	2		159 160	Randy Isler Glenn Mackie	39 48	NM CO	32:36:38 32:36:50	M M	96-005 10-016	17 6
66	Jason Koop	34	CO	30:20:00	М	12-014	2		161	Sue Johnston	33	VT	32:37:02	F	99-009	3
67 68	Ricky Denesik Ted Mahon	48 37	CO CO	30:21:23 30:21:26	M M	08-003 10-006	5 6		162 163	Tyler Curiel Tyler Curiel	45 53	TX TX	32:41:50 32:42:15	M M	01-010 09-013	12 12
69	David Horton	48	VA	30:27:00	М	98-002	5		164	Rhonda Claridge	45	CO	32:43:00	F	12-020	2
70	Scott Gordon	40	NM	30:27:45	М	01-006	3		165	Scott Mills	56	CA	32:43:17	М	07-011	5
71 72	Joseph Shults Jason Poole	46 38	CO CO	30:29:27 30:31:21	M M	06-002 10-007	2 4		166 167	Neal Taylor Giselher Schneider	44 34	CO GER	32:43:26 32:43:54	M M	06-008 98-007	5 2
73	Mark C. McDermott	38	UK	30:33:31	М	97-001T			168	Kirk Apt	35	CO	32:43:58	M	97-004	19
74	Mark Hartell	32	UK	30:33:31	М	97-001T	3		169	Jan Fiala	50	NM	32:45:55	М	03-006	6
75 76	Curtis Anderson Paul Sweeney	40 38	CO CA	30:37:21 30:39:14	M M	03-004 04-001	2 6		170 171	Brett Sublett Cory Johnson	40 48	CO UT	32:47:58 32:48:00	M M	05-010 12-021	2 6
77	Ruth Zollinger	36	UT	30:40:38	F	01-007			172	David Coblentz	45	NM	32:48:31	M	08-007	6
78	Jonathan Robinson	34	WA	30:41:39	М	13-011	c.		173	Allen Hadley	50	CO	32:48:50	М	07-012	4
79 80	James Nelson Jan Fiala	40 47	UT NM	30:43:06 30:43:20	M M	00-004 00-005	6 6		174 175	Betsy Kalmeyer Mikio Miyazoe	43 37	CO JAPAN	32:48:52 32:50:37	F M	04-005 13-016	14
81	Rick Trujillo	48	CO	30:44:17	М	96-001	2		176	Betsy Nye	41	CA	32:52:09	F	06-009	12
82	Glenn Mackie	45	TX	30:45:12	М	07-006	6		177	Scott Jaime	37	CO	32:53:53	М	07-013	7
83 84	Dominic Grossman Jonathan Worswick	26 37	CA CA	30:46:00 30:46:16	M M	12-015 00-006	3		178 179	Tom Hayes-McGoff Tom Remkes	53 47	MT UT	32:55:00 32:56:00	M M	03-007 08-008	4 3
85	Chad Brakelsberg	40	UT	30:47:10	М	13-012			180	Glenn Mackie	51	TX	32:56:45	M	13-017	6
86 87	Phill Kiddoo Mark Hartell	33 31	CA UK	30:52:33 30:54:13	M M	07-007 96-002	2		181	David Hayes	45	UT	32:57:00	М	12-022	
88	Jared Campbell	28	UT	30:54:13	M	08-002	8		182 183	Mark Lange Tyler Curiel	30 54	CO TX	32:58:30 32:58:49	M M	93-003 10-017	3 12
89	Hans Put	38	NY	30:56:23	М	99-002	2		184	Roch Horton	43	co	32:59:02	M	01-011	10
90 91	Duncan Callahan Adam Hewey	29 42	CO WA	30:57:00 30:57:15	M M	11-008 10-008	2		185	Jonathan Worswick	35	CA	33:01:15	М	98-008	3
91	John Beard	46	TX	30:57:15	M	10-008	2		186 187	Betsy Nye Betsy Kalmeyer	38 39	CA CO	33:02:28 33:05:50	F F	03-008 00-011	12 14
93	Sam Thompson	28	WA	31:03:13	М	09-007			188	Jan Fiala	45	NM	33:08:05	М	99-010	6
94	Kirk Apt	36	СО	31:03:20	М	98-003	19		189	Kirk Apt	44	СО	33:10:13	М	06-010	19

Hardrock Hundred	Hietorical	Raculte	(ae ni	7/15/12

				Results (us o		Year-	Number					Results (as o		Year-	Number
Place	Name	Age	State	Time	Sex	Place	Finished	Place	Name	Age	State	Time	Sex	Place	Finished
190 191	Brett Gosney David Coblentz	52 50	CO NM	33:14:00 33:14:00	M M	11-011 12-023	7 6	285 286	Thomas Nielsen Jared Campbell	37 25	CA UT	34:52:07 34:53:28	M M	97-007 05-015	8
192	Billy Simpson	58	TN	33:14:43	M	13-018	8	287	James Varner	30	WA	34:54:26	M	07-025	2
193	Ted Mahon	34	CO	33:15:00	М	07-014	6	288	Chad Armstrong	43	TX	34:55:00	М	11-013	
194	Tom Garrison	42	NM	33:17:25	М	01-012	5	289	Betsy Kalmeyer	44	CO	34:55:21	F	05-016	14
195 196	David Wilcox Jeff Browning	47 36	CO OR	33:17:48 33:18:08	M M	09-014 07-015	4	290 291	Mike Ehrlich John Hallsten	43 48	CO MT	34:57:58 34:58:36	M M	06-014 04-013	12 4
197	Scott Jaime	35	CO	33:18:48	М	05-011	7	292	Matthew Hart	36	UT	34:59:00	М	11-014	7
198	Jamil Coury	24	AZ	33:19:56	М	09-015	2	293	Scott Eppelman	40	TX	34:59:18	М	07-026	9
199	Clark Fox	50	CO	33:20:00	М	12-024	_	294	Rob Erskine	43	CO	35:01:30	М	13-025	
200 201	Greg Hartman Ty Draney	36 33	CO WY	33:22:59 33:23:07	M M	10-018 07-016	5 2	295 296	Charlie Thorn Bruce Grant	53 42	NM CAN	35:01:57 35:03:05	M M	99-016 08-014	10 5
202	Drew Gunn	39	CO	33:24:21	М	13-019	2	297	Mike Burke	52	OR	35:05:09	М	03-014	5
203	Regis Shivers Jr.	29	OH	33:25:32	М	99-011		298	Alfred Bogenhuber	59	CA	35:05:26	М	99-017	2
204	Betsy Kalmeyer	47	CO	33:25:58	F	08-009	14	299	Brock Gavery	30	WA	35:10:45	М	07-027	
205 206	Bruce Grant Erich Peitzsch	41 30	CAN MT	33:26:35 33:30:19	M M	07-017 09-016	5 2	300 301	Corey Hanson Tyler Curiel	36 50	CO LA	35:11:00 35:11:29	M M	12-029 06-015	12
207	Blake Wood	42	NM	33:30:59	М	01-013	18	302	Tom Remkes	51	UT	35:12:00	М	12-030	3
208	Terry Sentinella	46	WA	33:33:00	М	10-019		303	Tom Garrison	49	NM	35:12:43	М	07-028	5
209	Joseph Shults	43	CO	33:33:57	М	03-009	2	304	Glenn Mackie	46	TX	35:12:58	M	08-015	6
210 211	Billy Simpson Robert Youngren	57 34	TN AL	33:34:00 33:36:13	M M	12-025 08-010	8 3	305 306	Helen Cospolich Scott Mills	32 50	CO VA	35:13:56 35:14:04	F M	09-024 01-017	5
212	Jason Halladay	33	NM	33:36:20	M	07-018	2	307	Bruce Grant	43	CAN	35:14:45	M	09-025	5
213	Dennis Herr	45	VA	33:37	М	92-002	4	308	Gordon Hardman	46	СО	35:16:01	М	97-008	8
214	Tyler Curiel	51	TX	33:38:22	М	07-019	12	309	Scott Mason	46	UT	35:16:29	М	08-016	
215	Betsy Nye	42 46	CA CO	33:39:28	F	07-020	12	310 311	Neal Taylor Betsy Nye	46	CO	35:18:57	M F	08-017	5
216 217	Roch Horton Kirk Apt	37	CO	33:39:40 33:39:53	M M	04-006 99-012	10 19	311	Brett Gosney	34 50	CA CO	35:19:20 35:21:02	M	99-018 09-026	12 7
218	Tom Garrison	45	NM	33:40:26	М	04-007	5	313	John Beard	44	TX	35:22:53	М	08-018	2
219	Mark Heaphy	34	MT	33:41:47	М	97-005	15	314	Pete Stevenson	38	CO	35:23:00	М	11-015	2
220	Blake Wood	38	NM	33:43:25	М	97-006	18	315	Betsy Nye	44	CA	35:25:04	F	09-027	12
221 222	Christian Johnson Jon Teisher	41 36	UT CO	33:44:00 33:45:04	M M	12-026 13-020	2 4	316 317	Cory Johnson James Nelson	44 43	UT UT	35:25:20 35:26:38	M M	08-019 03-015	6 6
223	Mike Ehrlich	46	CO	33:46:04	M	09-017	12	318	John Robinson	36	OR	35:28:12	М	01-018	3
224	Betsy Nye	36	CA	33:48:53	F	01-014	12	319	Kurt Madden	38	CA	35:29:00	М	94-006	2
225	Andy Lapkass	41	CO	33:49:44	М	99-013		320	Tyler Curiel	49	LA	35:29:23	М	05-017	12
226 227	Alfred Bogenhuber	64 37	CA UT	33:51:00	M M	03-010T 03-010T	2	321 322	Charlie Thorn	54 53	NM CO	35:29:32	M M	00-019	10 5
228	Mike Tilden Mike Burke	57 57	OR	33:51:00 33:51:31	M	08-011	5 5	323	Ricky Denesik Steve Roark	33 41	AZ	35:31:00 35:31:03	M	12-031 09-028	2
229	Tom Garrison	46	NM	33:51:58	М	05-012	5	324	Drew Gunn	38	CO	35:34:00	М	12-033	2
230	Darla Askew	40	OR	33:52:00	F	12-027	2	325	Shinsuke Isomura	33	JAPAN	35:34:00	М	12-032	
231	Allen Hadley	47	CO	33:54:06	М	04-008	4	326	John Robinson	38	OR	35:34:20	М	03-016	3
232 233	David Coblentz Ronda Sundermeier	50 42	NM OR	33:55:52 33:56:29	M F	13-021 09-018	6	327 328	Steve Douglas Betsy Kalmeyer	42 48	CA CO	35:34:30 35:35:05	M F	07-029 09-029	14
234	Mark Heaphy	31	MT	33:57:32	М	94-004	15	329	Charlie Thorn	52	NM	35:35:17	М	98-010	10
235	Billy Simpson	51	TN	33:59:15	М	06-011	8	330	Scott Brockmeier	48	GA	35:35:50	М	10-026	7
236	Gordon Hardman	45	CO	33:59:55	М	96-006	8	331	Kirk Apt	34	CO	35:35:50	М	96-009	19
237 238	Randy Isler Tim Cannon	43 39	NM CO	34:01:24 34:02:36	M M	00-012 01-015	17	332 333	Rob Edde Chip Lee	34 38	CA CO	35:38:05 35:44:16	M M	04-014 93-005	3
239	Brett Gosney	53	CO	34:03:00	М	12-028	7	334	Neal Taylor	47	CO	35:46:09	М	10-027	5
240	lan Torrence	33	NV	34:03:40	М	05-013		335	Jason Poole	35	CO	35:46:27	М	06-016	4
241	Michael Sandlin	46	VA	34:06:22	М	00-013	2	336	Blake Wood	48	NM	35:46:37	M M	07-030	18
242 243	Jason Koop Blake Wood	31 45	CO NM	34:06:22 34:09:23	M M	10-020 04-009	2 18	337 338	Gordon Hardman Keith Knipling	41 27	CO IL	35:47 35:47:28	M M	92-003 03-017	8 2
244	Micheal McCarthy	45	OR	34:11:19	М	09-019		339	Elizabeth McGoff	41	MT	35:47:41	F	01-019	_
245	Brian Fisher	42	CO	34:12:24	М	07-021	3	340	Phill Kiddoo	34	CA	35:47:44	М	08-020	2
246	Allen Hadley	53 48	CO CO	34:14:22	M M	10-021	4 8	341 342	Tim Long	45 38	UT NM	35:49:00	M M	12-034	2
247 248	Gordon Hardman Paul Sweeney	48 40	CA	34:15:29 34:16:20	M M	99-014 06-012	8 6	342	Bill Geist Neal Taylor	38 43	CO	35:50:10 35:50:16	M M	09-030 05-018	5
249	James Miller	50	CO	34:16:30	М	05-014	2	344	Daniel Benhammou	32	CO	35:50:30	М	13-026	5
250	Ryan Cooper	37	CO	34:17:00	М	11-012		345	Erich Peitzsch	33	MT	35:51:00	М	11-016	2
251	Tim Stroh	48	WA	34:17:53	М	10-022	10	346	Randy Isler	44	NM	35:51:21	М	01-020	17
252 253	Roch Horton Ken Jensen	49 39	UT UT	34:18:05 34:18:05	M M	07-022 07-022	10 2	347 348	Rolly Portelance Kirk Apt	54 43	CAN CO	35:51:27 35:52:16	M M	97-009 05-019	2 19
254	Gordon Hardman	49	CO	34:19:37	М	00-014	8	349	Gordon Hardman	43	CO	35:52:19	М	94-007	8
255	Garrett Graubins	37	CO	34:19:45	М	10-023	3	350	Dennis Herr	46	VA	35:52:31	М	93-006	4
256	Betsy Kalmeyer	42	CO UT	34:20:06	F	03-012	14	351	Steffen Buttner John Prater	38	NZ CO	35:52:50	M M	99-019	2
257 258	Roch Horton Kirk Apt	50 31	CO	34:20:38 34:21:01	M M	08-012 93-004	10 19	352 353	Billy Simpson	39 56	TN	35:54:20 35:55:00	M	10-028 11-017	2 8
259	Jeremy Suwinski	34	UT	34:21:41	М	13-022		354	Edward Boggess	43	CO	35:55:12	М	01-021	2
260	Billy Simpson	54	TN	34:26:00	М	09-020	8	355	Brian Robinson	46	CA	35:55:44	М	07-031	
261	Tyler Curiel	43	TX	34:27:19	М	99-015	12	356	Tim Seminoff	45	UT	35:58:07	М	03-018	2
262 263	Tyler Curiel Jake Jones	48 33	LA CO	34:28:06 34:30:11	M M	04-010 06-013	12 2	357 358	Chris Twiggs Pasi Kurkilahti	39 27	FL FIN	35:58:17 35:58:21	M M	10-029 06-017	9
264	Peter Bakwin	42	CO	34:32:00	М	04-011	2	359	Paul Hopwood	45	HI	35:58:56	М	08-021	
265	Betsy Nye	35	CA	34:35:33	F	00-015	12	360	Joe Lea	41	NC	35:59:00	М	11-018	2
266	Tyler Curiel	44	TX	34:35:49	М	00-016	12	361	Blake Wood	41	NM	36:03:00	М	00-020	18
267 268	Paul Fuller Bruce Grant	42 44	CO CAN	34:36:15 34:37:38	M M	94-005 10-024	5	362 363	Nathan Yanko Kris Quandt	30 36	CA WY	36:03:00 36:05:41	M M	11-019 10-030	2
269	Scott Eppelman	42	TX	34:37:55	М	09-021	9	364	James Miller	49	CO	36:05:51	М	04-015	2
270	Mike Tilden	34	UT	34:39:13	М	00-017	3	365	Jon Teishe	37	CO	36:06:00	М	12-035	
271	Betsy Kalmeyer	49	CO	34:39:33	F	10-025	14	366	Dennis Herr	57	VA	36:07:38	М	04-016	4
272 273	David Coblentz Scott Eppelman	44 34	NM TX	34:39:36 34:39:59	M M	07-024 01-016	6 9	367 368	Betsy Nye Dan Spurlock	43 60	CA ID	36:08:23 36:10:35	F M	08-022 13-027	12
274	Brian Fisher	43	CO	34:40:16	M	08-013	3	369	Garrett Graubins	39	CO	36:11:00	M	11-024	3
275	Joe Lea	38	NC	34:40:19	М	09-022	2	370	Emily Baer	29	CO	36:11:43	F	05-020	5
276	Mike Burke	53	OR	34:40:57	М	04-012	5	371	Scott Eppelman	37	TX	36:12:15	М	04-017	9
277 278	Roch Horton David Coblentz	42 46	CO NM	34:41:47 34:43:21	M M	00-018 09-023	10 6	372 373	Paul Sweeney Scott Eppelman	44 45	CA TX	36:13:17 36:14:00	M M	10-031 11-020	6 9
278	Tyler Curiel	47	LA	34:44:49	M	03-023	12	373 374	Betsy Kalmeyer	46	CO	36:14:00	F	07-032	14
280	Loren Wohletz	28	NM	34:50:36	М	13-023	2	375	Kimberly Holak	38	MN	36:15:55	F	08-023	2
281	Scott Mills	45	VA	34:51:15	М	96-007T	5	376	Tim Hewitt	44	PA	36:17:18	М	99-020	_
282 283	Joe Clapper Scott McKenzie	37 43	VA CA	34:51:15 34:51:19	M M	96-007T 98-009	3	377 378	Greg Loomis Mark Melvin	26 39	MA CA	36:19:47 36:22:42	M M	00-021 99-021	2
284	Neal Taylor	50	CO	34:51:31	M	13-024	5	379	Scott Brockmeier	47	GA	36:24:18	M	09-031	7
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	Hardrock	Hundre	d Historical	Results (as o	f //15/1	3)	 1		Hardrock	Hunarea	HISTORICAL	Results (as o	7/15/1	3)	
ll I		1.				Year-	Number							Year-	Number
Place	Name	Age	State	Time	Sex	Place	Finished	Place	Name	Age	State	Time	Sex	Place	Finished
380	Aaron Spurlock	36	ID	36:26:00	М	11-021		475	David Coblentz	47	NM	37:44:46	М	10-040	6
381	John Hallsten	53	MT	36:27:09	М	10-032	4	476	Joe Winch	54	IA	37:45:46	М	10-041	
382 383	Tom Hayes-McGoff	56 50	MT	36:28:28	М	06-018	4	477 478	Jason Halladay	32	NM CO	37:46:04	M M	06-025	2 5
383 384	Howard Cohen	50 52	CA CO	36:33:05	M M	09-032 09-033	2 4	478 479	Daniel Benhammou Charlie Nuttleman	28 32	CO	37:46:46	M M	08-027 09-040	5
385	Allen Hadley Billy Simpson	52	TN	36:33:16 36:34:30	M	07-033	8	479	John Amies	55	UK	37:47:07 37:47:28	M	97-012T	
386	Jon Teisher	33	CO	36:35:51	M	09-034	4	481	Craig Wilson	48	ME	37:47:28	M	97-012T	5
387	Kristin Moehl	35	WA	36:36:00	F	12-036	•	482	Mike Ehrlich	42	CO	37:49:55	М	05-026	12
388	Todd Salzer	27	CO	36:36:33	М	01-022	8	483	Robert Youngren	25	AL	37:50:48	М	99-026	3
389	Billy Simpson	49	TN	36:38:46	М	04-018	8	484	Douglas Spencer	42	CA	37:50:59	М	00-024	
390	Devin Corcoran	51	CA	36:39:00	М	09-035		485	Philip Murphy	41	ASTRAL	37:51:37	М	10-042	
391	Reinhold Baues	53	OR	36:39:10	М	03-019	2	486	Don Platt	51	CO	37:51:40	М	05-027	6
392	Greg Hartman	38	CO	36:40:00	М	11-033	5	487	Bert Meyer	48	CT	37:52:40	М	93-008	4
393	Jeff Arndt	50	AK	36:43:15	М	03-020		488	Blake Wood	50	NM	37:53:08	М	09-041	18
394	Charlie Thorn	51	NM	36:43:32	М	97-010	10	489	Aaron Denberg	46	WY	37:55:00	М	12-044	2
395	Jake Jones	32	CO	36:44:56	М	05-021	2	490	Mark Melvin	47	CA	37:56:37	М	07-044	3
396	Dan Tranel	44	IA	36:45:12	М	01-023	3	491	Patrick Fellay	47	ZWEIS	37:56:52	М	09-042	
397 398	Edward Boggess John Hallsten	42 51	CO MT	36:45:13 36:45:20	M M	00-022 07-034	2 4	492 493	Darrell Jensen Mike (CO) Farris	40 37	WA CO	37:57:00 37:57:35	M M	07-045 10-043	
399	Mark Oveson	45	CO	36:46:00	M	12-037	4	494	Paul Tidmore	39	TX	37:57:52	M	07-046	2
400	Michael Sandlin	44	TX	36:46:06	M	99-022	2	495	Glenn Mackie	43	TX	37:58:21	M	05-028	6
401	Betsy Nye	48	CA	36:46:42	F	13-028	12	496	Paul Ralyea	42	VA	37:58:27	М	09-043	Ü
402	Blake Wood	54	NM	36:46:43	M	13-029	18	497	Mike Weigand	39	VT	38:01:08	М	13-038	2
403	Mike Dobies	46	MI	36:49:35	М	07-035	9	498	Flavio Dalbosco	43	ITALY	38:04:25	М	07-047	3
404	Paul Smith	54	CO	36:50:18	М	10-033		499	Sean Andrish	39	VA	38:04:40	М	08-028	2
405	Saray McCloskey	40	UT	36:51:03	F	13-030		500	Randy Rhodes	44	CO	38:04:42	М	94-09T	5
406	Bill Thomas	47	WA	36:51:28	М	04-019		501	Tim Beaman	43	VT	38:04:42	М	94-09T	
407	Chip Lee	39	CO	36:54:10	М	94-008	3	502	Doug Seaver	32	CA	38:04:56	М	13-039	2
408	Chris Gerber	38	CO	36:55:00	М	11-022	3	503	Richard Ruid	38	MO	38:05:00	М	99-027	
409	Emily Baer	28	CO	36:57:07	F	04-020	5	504	Kirk Apt	48	CO	38:05:14	М	10-044	19
410	Betsy Nye	40	CA	36:58:25	F	05-022	12	505	Jim Baker	56	OK	38:05:52	М	06-026	4
411	Bill Geist	36	NM	36:58:56	М	07-036	3	506	Kristen Kern	44	NM	38:06:13	М	09-044	11
412	Eric Robinson	31	CA	36:59:03	М	99-023	2	507	John Hallsten	55	MT	38:07:00	М	11-030	4
413	Steve Roark	42	AZ	36:59:09	М	10-034	2	508	Pete Stevenson	40	CO	38:07:52	М	13-040	2
414 415	Jim Harris Cam Baker	48 35	OH PA	37:00:00 37:00:00	M M	12-039		509 510	William Rideg	39 32	MT CO	38:08:14 38:09:00	M F	04-023 12-045	2 2
416	Mike Ehrlich	33 48	CO	37:00:00	M	12-038 11-023	12	510	Leah Fein Jared Campbell	24	UT	38:09:11	M	04-024	8
417	Chris Gerber	39	CO	37:01:00	M	12-041	3	512	Stuart Erskine	47	CAN	38:10:00	M	12-046	0
418	Loren Wohletz	27	NM	37:02:00	М	12-040	2	513	Greg Hartman	35	CO	38:10:04	М	08-029	5
419	Mike Burke	62	OR	37:03:48	М	13-031	5	514	Todd Holmes	40	CO	38:10:24	М	96-011	-
420	Jan Fiala	51	NM	37:04:00	М	04-021	6	515	Mark Melvin	40	CA	38:14:35	М	00-025	3
421	Todd Salzer	38	CO	37:05:00	М	12-042	8	516	Scott Eppelman	46	TX	38:16:00	М	12-047	9
422	Scott Olmer	36	CO	37:05:42	М	07-037	8	517	Geoff Miller	35	CO	38:16:09	М	93-009	4
423	David Wilcox	44	CO	37:06:54	М	06-019	4	518	Dennis Drey	57	NM	38:17:02	М	09-045	10
424	Jan Bear	48	NM	37:08:00	М	03-021		519	Daniel Benhammou	29	CO	38:17:16	М	10-045	5
425	Odin Christensen	45	CO	37:08:05	М	93-007	7	520	Scott Olmer	41	CO	38:18:00	М	12-048	8
426	Paul Schoenlaub	48	MO	37:09:58	М	07-038	4	521	Randy Rhodes	43	CO	38:18:06	М	93-010	5
427	Tyler Curiel	52	TX	37:13:31	М	08-024	12	522	Jan Fiala	44	NM	38:19:31	М	98-011	6
428	Phil Kahn	43	CO	37:14:32	М	96-010	4	523	Blake Wood	35	NM	38:20:22	М	94-011	18
429 430	David Wilcox James Varner	51 35	CO WA	37:15:36 37:15:39	M M	13-032	4 2	524 525	Blake Wood	53 40	NM CO	38:21:00 38:21:16	M M	11-031 09-046	18
431	Daniel Benhammou	31	CO	37:16:00	M	13-033 11-025	5	526	Chris Labbe Keith Baker	49	CO	38:21:37	M	04-025	3
432	Paul Sweeney	42	CA	37:18:34	M	08-025	6	527	Cory Johnson	45	UT	38:21:58	M	10-046	6
433	John Cappis	50	NM	37:19	М	92-04T	ŭ	528	William Cook	44	CA	38:22:00	М	12-049	· ·
434	Charlie Thorn	46	NM	37:19	М	92-04T	10	529	Scott Kuhn	41	CO	38:22:00	М	11-032	
435	Roch Horton	45	CO	37:19:00	М	03-022	10	530	Kirk Apt	50	CO	38:24:00	М	12-050	19
436	Dennis Drey	55	NM	37:19:25	М	07-039	10	531	Scott Eppelman	45	TX	38:24:21	М	13-041	9
437	Greg Hartman	39	CO	37:19:47	М	13-034	5	532	Kristen Kern	41	NM	38:24:49	М	06-027	11
438	Will Vaughan	37	CO	37:21:07	М	09-036	2	533	Kirk Apt	45	CO	38:25:28	М	07-048	19
439	Mike Mitchell	40	UT	37:21:16	М	99-024T	2	534	Greg Martell	41	WY	38:25:38	М	98-012	
440	Mike Tilden	32	UT	37:21:16	М	99-024T	3	535	Garry Curry	55	CO	38:29:44	М	09-047T	3
441	Laura Vaughan	31	CA UT	37:22:32	F	97-011	2	536	Kirk Apt	47	CO NM	38:29:44 38:30:10	M M	09-047T	19 18
442 443	Cory Johnson Eric Pence	48 43	CO	37:22:34 37:22:58	M M	13-035 09-037	6 2	537 538	Blake Wood Stephanie Ehret	44 42	CO	38:30:30	F	03-023 04-026	10
444	David Pease	47	UT	37:24:43	M	10-035	4	539	Dennis Drey	53	NM	38:32:31	M	05-029	10
445	James Nelson	47	UT	37:26:08	М	07-040	6	540	Eric Robinson	30	CA	38:32:43	М	98-013	2
446	Randy Isler	50	NM	37:27:26	М	07-041	17	541	Ken Farley	45	CA	38:33:05	М	10-047	2
447	Kurt Coonrod	47	NM	37:27:26	М	07-041	3	542	Gordon Hardman	47	CO	38:34:56	М	98-014	8
448	Ken Farley	48	CA	37:29:00	М	12-043	2	543	Scott Olmer	37	CO	38:35:01	М	08-030	8
449	Blake Wood	49	NM	37:29:03	М	08-026	18	544	Scott Olmer	39	CO	38:36:15	М	10-048	8
450	Fred Ecks	43	CA	37:29:49	М	09-038	2	545	Chris Twiggs	38	FL	38:36:58	М	09-049	9
451	Jon Teisher	34	CO	37:31:26	М	10-036	4	546	Tim Neckar	37	TX	38:37:53	М	99-028	
452	Donnie Haubert	32	CO	37:32:24	М	10-037		547	Todd Salzer	32	CO	38:38:25	М	06-028	8
453	James Nelson	45	UT	37:32:58	М	05-023	6	548	Michael Ehredt	47	ID	38:38:49	М	08-031	
454	Raymond Olexa	39	CO	37:33:39	М	05-024		549	Chris Gerber	36	KY	38:40:50	М	10-049	3
455 456	Mohammed Idlibi Wayne Rancourt	30 49	NC ID	37:33:40 37:35:00	M M	09-039 11-026		550	Todd Salzer Margaret (Heaphy)	29	CO	38:40:50	М	03-024	8
457	Scott Eppelman	33	TX	37:36:11	M	00-023	9	551	Smith	38	MT	38:43:09	F	94-012	10
458	Tyler Curiel	57	TX	37:36:18	М	13-036	12	552	Bob Bachani	57	AZ	38:43:30	М	13-042	3
459	Robert Orr	50	AR	37:36:29	М	04-022	· -	553	Wouter Hamelinck	26	BELGM	38:44:09	М	08-032	
460	Randy Isler	49	NM	37:37:07	М	06-021T	17	554	Dave Dixson	28	NM	38:44:55	М	99-029	
461	Cory Johnson	42	UT	37:37:07	М	06-021T	6	555	Odin Christensen	44	CO	38:45	М	92-006	7
462	Corey Handelsman	28	MD	37:37:07	М	06-021T		556	Paul Schoenlaub	49	MO	38:45:31	М	08-033	4
463	Marc Miller	28	WY	37:37:55	М	10-038		557	Dennis Drey	54	NM	38:46:44	М	06-029T	10
464	Christian Johnson	40	UT	37:38:00	М	11-027	2	558	Kurt Coonrod	46	NM	38:46:44	М	06-029T	3
465	Ben Corrales	38	UT	37:38:00	М	11-028	_	559	Chad Hyson	42	CAN	38:46:55	M	13-043	
466	Howie Stern	43	CA	37:38:39	М	13-037	5	560 561	Mark Christopherson	40 54	UT	38:47:37	M	08-034	10
467	Klas Eklof	35	CA	37:39:20	М	06-023	2	561 562	Blake Wood Julian Jamison	54 39	NM MA	38:49:00 38:49:00	M M	12-051 12-052	18 3
468	Sean Andrish	37 47	VA	37:39:50	М	06-024	2	562 563	Mike Ehrlich	39 44	CO	38:49:00	M M	07-049	3 12
469 470	Mike Ehrlich Charlie Thorn	47 55	CO NM	37:42:34 37:42:55	M M	10-039 01-024	12 10	564	Randy Rhodes	47	CO	38:50:48	M	97-014	5
470 471	David Larsen	55 40	OR	37:42:55 37:43:00	M M	11-029	2	565	John Dove	44	GA	38:51:17	M	08-035	
471	Jeff Holdaway	43	VA	37:43:00	M	01-025	3	566	John Constan	45	CO	38:53:00	М	12-053	
473	David Williams	54	CA	37:43:48	М	07-043	2	567	Chris Nute	36	CO	38:53:17	М	04-027	2
474	Blake Wood	46	NM	37:44:30	М	05-025	18	568	Mike Burke	58	OR	38:53:44	М	09-050	5
							Page 3 o	of 8							
							1 1150 5 (-							

Hardrock Hundred	Hietorical	Requite	(ae n	f 7/15/13`

Blass				Time		Year-	Number	Place				Time		Year-	Number Finished
Place	Name Dala Patarana	Age	State CO	38:54:09	Sex	Place	Finished	Place	Name	Age	State	Time	Sex	Place	Finished
569 570	Dale Petersen Jeff List	44 50	MA	38:54:09	M M	00-026 09-051	3	664 665	Bruce Hoff Andrew Addis	42 42	CA UK	40:10:01 40:12:31	M M	04-033 97-016T	2
571	Randy Isler	47	NM	38:56:43	М	04-028	17	666	Paul McClintock	31	UK	40:12:31	М	97-016T	
572	Randy Isler	54	NM	38:57:00	М	11-034	17	667	Scott Brockmeier	49	GA	40:13:00	М	11-045	7
573 574	Tom Rowe Chip Lee	50 43	MT CO	38:58:06 38:58:29	M M	99-030 98-015	4 3	668 669	Ryan McDonald James Benike	35 49	MO MN	40:13:25 40:15:12	M M	09-064 99-038	3
575	Blake Wood	51	NM	38:58:42	М	10-050	18	670	Mike Ehrlich	49	CO	40:17:00	М	12-058	12
576	Emily (Baer) Loman	24	CO	38:58:58	F	00-027	5	671	Chris Twiggs	42	FL	40:19:59	М	13-050	9
577	Kristen Kern	42	NM	38:59:15	М	07-050	11	672	Liz Bauer	51	GA	40:22:41	F	10-057	6
578 579	Hiroki Ishikawa Julian Jamison	29 38	JAPAN MA	38:59:30 39:02:00	M M	04-029 11-035	2	673 674	Eric Payne Randy Wojno	31 50	CO CO	40:23:00 40:23:42	M M	12-059 10-058	4
580	David Pease	48	UT	39:03:00	М	11-036	4	675	Mike James	42	MT	40:23:59	М	13-051	•
581	Rhonda Claridge	41	CO	39:06:33	F	09-052	2	676	Betsy Kalmeyer	51	CO	40:26:00	F	12-060	14
582 583	Shane Martin Blake Wood	46 39	UT NM	39:07:10 39:07:59	M M	13-044 98-016	18	677 678	John McGrew	39 50	CO CO	40:26:03	M F	97-018	3 7
584	Paul Grimm	39	CO	39:07:39	M	07-051	10	679	Diane Van Deren John Demorest	46	CA	40:26:44 40:26:58	M	10-059 97-019	,
585	Brett Gosney	44	CO	39:09:54	М	03-025	7	680	Rob Hacker	48	CO	40:28:28	М	09-065	2
586	Andrew Heard	43	AZ	39:10:00	М	09-053	_	681	Mark Heaphy	46	MT	40:31:00	М	09-066	15
587 588	Bob Bachani Rodger Wrublik	53 52	AZ CO	39:10:18 39:10:18	M M	09-054T 09-054T	3 7	682 683	Brian Kent Flavio Dalbosco	52 46	CO ITALY	40:31:25 40:32:31	M M	09-067 10-060	3
589	Joe Clapper	50	VA	39:11:09	M	09-056	3	684	John Prater	42	CO	40:33:23	М	13-052	2
590	Craig Wilson	55	ME	39:11:17	М	04-030	5	685	Murray Schart	50	UT	40:33:24	М	09-068	6
591	Todd Salzer	37	CO	39:14:00	М	11-037	8	686	Larry Alire	50	CO	40:33:45	М	97-020	2
592 593	Howie Stern Scott Gala	40 41	CA MI	39:15:06 39:15:13	M M	10-051 07-052	5	687 688	Mike Ehrlich Brett Gosney	38 48	CO CO	40:35:07 40:35:21	M M	01-030 07-055	12 7
594	Greg Hartman	34	CO	39:15:15	M	07-053	5	689	Diane Van Deren	49	CO	40:35:50	F	09-069	7
595	Roger Jensen	60	CO	39:15:30	М	10-052		690	Odin Christensen	48	CO	40:35:50	М	96-013	7
596	Robert Rikoon	54	NM	39:16:07	М	09-057	2	691	Jeffrey Mark Wilbur	48	VA	40:35:52	М	07-056	c.
597 598	Betsy Nye Joanne Urioste	47 42	CA NV	39:17:00 39:18:26	F F	11-038 94-013	12	692 693	Cory Johnson Douglas McKeever	43 45	UT WA	40:35:52 40:38:15	M M	07-056 93-012	6
599	Murray Schart	44	UT	39:18:47	М	03-026	6	694	Bill Geist	42	ASTRIA	40:40:50	М	13-053	3
600	Tina Ure	50	CA	39:20:55	F	10-053	3	695	Fred Ecks	42	CA	40:40:51	М	08-044	2
601	Susan Gebhart	57	CO	39:21:00	F	12-054	3	696	Mark Heaphy	45	MT	40:40:55	М	08-045	15
602 603	Scott Grierson Yves Detry	27 58	ME FRANCE	39:21:12 39:21:30	M M	94-014 06-031T		697 698	Devin Gardiner Betsy Kalmeyer	30 35	CO CO	40:42:50 40:43:13	M F	07-058 96-014	2 14
604	Etienne Fert	40	FRANCE	39:21:30	M	06-031T		699	David Williams	59	CA	40:44:00	M	12-061	2
605	Chris Nute	30	CO	39:21:33	М	98-017	2	700	Randy Isler	53	NM	40:44:35	М	10-061	17
606	Susan Gebhart	52	CO	39:22:00	F	07-054	3	701	Dima Feinhous	50	MA	40:46:41	М	13-054	7
607 608	Adrian Crane Dan Tranel	38 43	CA IA	39:22:10 39:22:56	M M	93-011 00-028	3	702 703	Joe Prusaitis Neil Blake	46 48	TX NM	40:47:48 40:48:15	M M	01-031 13-055	7 2
609	Megan Finnesy	44	CO	39:24:00	F	12-055	J	704	Jeff Holdaway	54	VA	40:48:30	М	13-056	3
610	Eric Pence	33	CO	39:25:58	М	99-031	2	705	Charlie Thorn	57	NM	40:49:14	М	03-032	10
611	Dennis Drey	52	NM	39:26:36	М	04-031T	10	706	Andrew Hewat	46	ASTRAL	40:50:28	М	09-070	3
612 613	Kurt Coonrod Randy Rhodes	44 46	NM CO	39:26:36 39:26:37	M M	04-031T 96-012	3 5	707 708	Jean-Francois Geiss Mike Price	60 51	FR UT	40:51:29 40:51:38	M M	13-057 01-032	5 3
614	Larry Kundrik	53	CAN	39:27:53	M	10-054	2	709	Bud Phillips	57	CA	40:52:20	М	04-034	5
615	Randy Isler	46	NM	39:28:31	М	03-027T	17	710	Paul Schoenlaub	53	MO	40:52:39	М	13-058	4
616	Kristen Kern	38	NM	39:28:31	М	03-027T	11	711	Blake Wood	47	NM	40:53:20	М	06-035	18
617 618	Mark Williams Lance Goss	31 53	CA CA	39:29:50 39:30:50	M M	97-015 99-032	2	712 713	Kris Quandt Geoff Miller	37 38	WY CO	40:55:00 40:55:06	M M	11-046 96-015	2 4
619	Trevor Garner	33	ID	39:31:00	M	11-039	_	714	Mike Dobies	48	MI	40:56:11	М	09-071	9
620	Bill Laster	49	AR	39:31:14	М	98-018		715	Russ Evans	45	VA	40:56:40	М	04-035T	
621	James Demer	40	ME	39:31:22	М	09-058	2	716	Scott Brockmeier	42	NC	40:56:40	М	04-035T	7
622 623	Julian Jamison Steve Pattillo	36 48	CA NM	39:31:58 39:32:30	M M	09-059 99-033	3 3	717 718	Jeff List Allen Czecholinski	52 53	MA WI	40:57:00 40:57:38	M M	11-047 00-029	3 2
624	Mike Ehrlich	36	CO	39:34:40	М	99-034	12	719	Ryan McDermott	34	UT	40:57:50	М	10-062	2
625	Kelly Korevec	26	UT	39:35:21	М	08-036		720	Eliza McLean	32	NC	40:57:57	F	98-019T	
626 627	Gary Knipling	60 39	VA CA	39:36:05	M M	03-029 08-037	5	721 722	Steve Simmons	32 50	WV CO	40:57:57	M M	98-019T	
628	Howie Stern Roch Horton	40	CO	39:36:27 39:37:02	M M	99-035	5 10	722	Don Platt Keith Baker	50 47	NM	40:58:09 40:58:10	M M	04-037 01-034T	6 3
629	Scott Olmer	38	CO	39:38:36	М	09-060	8	724	Carl Jess	43	NM	40:58:10	М	01-034T	3
630	Scott Eppelman	41	TX	39:39:16	М	08-038	9	725	Kristen Kern	36	NM	40:58:10	М	01-034T	11
631	PoDog Vogler	45	AR	39:41:00	М	11-040	2	726	Robert Rikoon	53	NC	40:58:22	М	08-046	2
632 633	Keith Baker Bud Phillips	48 61	NM NM	39:41:17 39:42:34	M M	03-030 08-039	3 5	727 728	Jack Kurisky Rodger Wrublik	43 50	VA CO	40:58:30 41:00:15	M M	10-063 07-059	2 7
634	Tom Stockton	50	NM	39:45:09	М	10-055	Ü	729	Rodger Wrublik	51	CO	41:01:31	М	08-047	7
635	Dennis Herr	52	VA	39:45:15	М	99-036	4	730	Harry Harcrow	45	CO	41:02:00	М	12-062	
636 637	Sean Curloy	41 43	NM CA	39:45:41 39:45:45	M M	13-045 99-037	3	731 732	Larry Kundrik	56 55	CAN CO	41:03:00 41:04:20	M M	12-063 01-036	2
638	Dan Curley Brett Sublett	41	CO	39:46:20	M	06-033	2	732	Jerry Gray Mark McDermott	31	CO	41:04:55	M	93-013	
639	Kirk Apt	46	CO	39:46:40	М	08-040	19	734	Bill Thompson	58	ASTRAL	41:05:16	М	00-030	
640	Mike Dobies	42	MI	39:48:22	М	03-031	9	735	Murray Schart	48	UT	41:06:01	М	07-060	6
641 642	Betsy Kalmeyer Michael Popov	52 33	CO CA	39:48:40 39:49:00	F M	13-046 11-041	14	736 737	Billy Simpson Scott Olmer	53 35	TN CO	41:07:01 41:07:20	M M	08-048 06-036	8 8
643	Mike Ehrlich	45	CO	39:50:07	M	08-041	12	738	Jeff Heasley	42	CO	41:08:53	М	09-072	2
644	Ken Gordon	43	NM	39:50:30	М	08-042	4	739	Mark Cosmas	41	AZ	41:10:40	М	08-049	
645	Jeff List	54	MA	39:51:11	М	13-047	3	740	Phil Kahn	53	CO	41:10:51	М	06-037	4
646 647	John DeWalt Mike Dobies	65 47	PA MI	39:52:35 39:52:47	M M	01-026 08-043	14 9	741 742	Ryan McDermott Blake Wood	31 37	CO NM	41:11:20 41:11:36	M M	07-061 96-016	2 18
648	Dan Curley	53	CA	39:54:20	M	09-043	3	743	Lance Johnson	43	NM	41:12:17	М	09-073	6
649	Beat Jegerlehner	40	CA	39:54:20	М	09-061T	2	744	Steve Pero	50	MA	41:14:11	М	01-037	3
650	Mark Lange	29	CO	39:55	М	92-007	3	745	Scott Brockmeier	44	WA	41:17:10	М	06-038	7
651 652	Randy Isler Thomas Knutson	52 51	NM MN	39:55:07 39:56:28	M M	09-063 01-027	17 4	746 747	Don Platt Paul Schoenlaub	49 52	CO MO	41:17:34 41:18:00	M M	03-033 11-048	6 4
653	Doug Newton	35	CO	39:56:28	M M	11-042	4	747 748	Steve Pattillo	52 47	MO NM	41:18:00	M M	98-021	3
654	Kurt Madden	57	CA	39:58:40	М	13-048	2	749	Mark Heaphy	42	MT	41:22:24	М	05-030	15
655	Jeff Collins	48	CA	40:00:48	М	01-028	ć	750	Martyn Greaves	33	UK	41:22:34	М	93-014	2
656 657	Scott Olmer Brian Murray	40 39	CO NM	40:01:00 40:02:00	M M	11-043 12-056	8	751 752	Gary Cuffin Randy Isler	53 56	CO NM	41:23:04 41:23:34	M M	04-038 13-059	2 17
658	Bryan Johnson	37	MT	40:02:00	M	12-056		752 753	Chad Piala	36	CO	41:23:34	M	13-059	3
659	James Nelson	46	UT	40:02:06	М	06-034	6	754	Randy Wojno	40	CO	41:23:50	М	99-039	4
660	Jack Kurisky	46	VA	40:02:14	М	13-049	2	755	Randy Isler	48	NM	41:23:56	М	05-031	17
661 662	Kristen Kern Mike (MN) Farris	45 46	NM MN	40:05:35 40:07:58	M M	10-056 01-029	11 2	756 757	Flora Krivat-Tetley David Fullford	32 46	HI WA	41:25:59 41:26:22	F M	13-061 06-039	2
663	Philip Wiley	50	CO	40:07:38	M	11-044	2	758	Nick Williams	50	AR	41:26:46	M	93-015	2

	l mardree	T Tunidice	I	Results (as t	1 17	Year-	Number		Hardrock	Tanare	Tinscorica:		177137	Year-	Number
Place	Name	Age	State	Time	Sex	Place	Finished	Place	Name	Age	State	Time	Sex	Place	Finished
759	Mark Heaphy	41	MT	41:28:40	М	04-039	15	852	Peter Bakwin	44	CO	42:50:09	М	06-049	2
760 761	Mike Dobies Glen Turner	36 44	MI CO	41:31:46 41:31:55	M M	97-021 03-034	9	853 854	Julian Smith Liz Bauer	47 50	CO GA	42:52:08 42:52:40	M F	13-073 09-080	2 6
762	Reinhold Baues	51	OR	41:37:19	М	01-038	2	855	Mark Heaphy	47	MT	42:52:40	М	10-069	15
763	Gregory Trapp	47	ОН	41:37:47	M	10-064	2	856	Joe Prusaitis	45	TX	42:53:30	М	00-034	7
764	Kim Gimenez	48	CA	41:37:55	F	13-062		857	Ken Gordon	48	NM	42:54:07	М	13-074	4
765	Margaret (Heaphy) Smith	37	MT	41:38:38	F	93-016	10	858	Jon Teisher	32	CO	42:55:01	М	08-059	4
766	Chad Piala	32	CO	41:40:24	M	09-074	3	859 860	Rob Cassady Nigel Finney	43 54	CO MN	42:55:37 42:56:00	M M	08-060 00-035	5
767	Jim Campiformio	59	CT	41:41:22	М	09-075		861	Brad Hatten	47	CO	42:57:50	M	03-039	3
768	David Larsen	42	OR	41:43:21	М	13-063	2	862	Chad Carson	49	UT	42:58:23	М	08-062	2
769	Todd Salzer	36	CO	41:45:10	М	10-065	8	863	David Arnold Larsen	38	UT	42:58:23	М	08-061	
770 771	Scott Snyder Rick Hodges	58 54	CO CA	41:45:40 41:46:55	M M	13-064 03-035	2 9	864 865	Larry Hall	52 55	IL MN	42:58:42	М	06-050	5 5
772	Michael James	38	MT	41:47:20	M	09-076	2	866	Nigel Finney Jim Fisher	55 43	MN NM	42:59:55 42:59:59	M M	01-041 94-019	5
773	Philip Wiley	47	CO	41:49:39	М	09-077	2	867	Randy Isler	55	NM	43:01:00	M	12-069	17
774	Dan Tranel	46	IA	41:50:08	М	03-036T	3	868	Chad Piala	36	CO	43:01:00	М	12-070	3
775	Mark Heaphy	40	MT	41:50:08	М	03-036T	15	869	Jean-Francois Geiss	54	FRANCE	43:02:04	М	07-068	5
776 777	Bert Meyer Mark Heaphy	49 49	CT MT	41:50:26 41:51:00	M M	94-015 11-049	4 15	870	Adam Byerly	33	CO	43:04:00	М	12-071	2
778	Jim Fisher	48	NM	41:51:41	M	99-040	5	871 872	Kirk Boisseree Todd Salzer	44 33	CA CO	43:05:56 43:06:22	M M	01-042 07-069	2 8
779	Tim Adams	36	CO	41:53:00	М	12-064		873	Garry Curry	42	CO	43:08:06	M	96-019T	3
780	Mike Dobies	45	MI	41:53:59	M	06-040	9	874	Randy Wojno	36	CO	43:08:06	М	96-019T	4
781	Ken Legg	49	CAN	41:56:27	М	13-065	4.0		Hans-Dieter						_
782	Charlie Thorn Hans-Dieter	58	NM	41:57:38	М	04-040	10	875 876	Weisshaar Odin Christensen	66 59	GER CO	43:08:40 43:08:40	M M	06-051T 06-051T	8 7
783	Weisshaar	64	GER	41:57:52	М	04-041	8	877	Greg Eason	34	AR	43:08:52	M M	04-046	1
784	Tina Ure	52	CA	41:58:00	F	11-050	3	878	Gretchen Brugman	39	CA	43:10:00	F	12-072	
785	David Terry	44	OR	41:59:24	M	05-032	2	879	Odin Christensen	54	CO	43:10:30	М	99-045	7
786	Jeb Burchenal	42	CO	42:00:52	М	04-042	2	880	James Benike	55	MN	43:10:45	М	04-047T	3
787 788	Scott Brockmeier William Rideg	51 38	GA MT	42:00:57 42:01:38	M M	13-066 03-038	7 2	881	Thomas Knutson	54	MN	43:10:45	М	04-047T	4
789	James Benike	47	MN	42:01:39	M	97-022T	3	882 883	Steve Pattillo Thomas Green	51 45	NM MD	43:11:27 43:12:43	M M	01-043 96-021	3
790	Matthew Janney	42	OR	42:01:39	М	97-022T	-	003	Hans-Dieter	73	MD	43.12.43	141	30-021	
791	Liz Bauer	54	GA	42:02:28	F	13-067	6	884	Weisshaar	68	GER	43:13:00	М	08-063	8
792	Matthew Watts	53	CO	42:03:30	М	10-066		885	Bob Crowley	55	CA	43:13:00	М	12-074	2
793 794	Dennis Drey John DeWalt	56 63	NM PA	42:03:43 42:03:53	M M	08-050 99-041	10 14	886 887	Levi Burford Murray Schart	31 51	NH UT	43:13:00 43:13:49	M M	12-073 10-070	6
795	Rick Hodges	55	CA	42:03:58	M	04-043	9	888	Julie Westland-Litus	35	CO	43:14:50	F	93-017	4
796	Luis De Arriba India	44	SPAIN	42:04:00	M	11-051	3	889	Mike Dobies	40	MI	43:15:07	м	01-044	9
797	Kirk Apt	51	CO	42:04:09	М	13-068	19	890	John McGrew	41	CO	43:16:30	М	99-046	3
798	Chris Twiggs	37	FL	42:04:18	М	08-051	9	891	Chris Twiggs	42	FL	43:19:00	М	12-075	9
799	Carol Gerber	44	CO	42:06:40	F	07-062	2	892	Bob Combs	46	CO	43:19:32	М	13-075	4
800 801	Steve McCormick Garry Curry	49 40	CO CO	42:06:55 42:06:55	M M	94-017T 94-017T	3	893 894	Ken Ward Odin Christensen	53 49	OR CO	43:19:35 43:20:05	M M	10-071 97-025T	4 7
802	Lew Larson	40	CO	42:06:55	M	94-017T	3	895	Geoff Miller	39	CO	43:20:05	M	97-025T	4
803	Mike Ehrlich	37	CO	42:07:59	М	00-031	12	896	Milan Milanovich	37	ZWEIS	43:20:05	М	97-025T	
804	Honey Albrecht	50	AZ	42:08:21	F	09-078		897	Mark Heaphy	44	MT	43:20:47	М	07-070	15
805	Flavio Dalbosco	42	ITALY	42:11:33	М	06-041	3	898	Tina Ura	53	CA	43:20:54	F	13-076	3
806 807	Jim Fisher Jeb Burchenal	45 47	NM CO	42:12:30 42:12:53	M M	96-017 09-079	5 2	899 900	Dennis Aslett Jim Fisher	58 42	ID NM	43:21:06 43:21:10	M M	07-071 93-018	5
808	Chuck Kroger	55	CO	42:13:12	M	01-039	6	901	Ginny LaForme	53	NM	43:22:36	F	03-010	3
809	Tara Burton	39	CO	42:14:00	F	11-052		902	Craig Wilson	54	ME	43:22:36	М	03-040T	5
810	Ken Ward	47	OR	42:14:45	М	04-044	4	903	Terry Gebhardt	36	CO	43:22:57	М	08-064	
811	Rickie Redland	52	CO	42:14:52	F	06-042T	9	904	Mike Weigand	38	VT	43:23:00	М	12-076	2
812 813	Susan Gebhart Todd Salzer	51 34	CO CO	42:14:52 42:15:34	F M	06-042T 08-052	3 8	905 906	Diana Widdowson Rickie Redland	41 49	PA CO	43:23:29 43:23:32	F F	07-072 03-042	9
814	Jeff Holdaway	48	VA	42:16:38	M	06-044	3	907	Steve Pero	57	NM	43:25:51	м	08-065	3
815	Lyle Nay	46	UT	42:17:24	М	07-063		908	Jim Fisher	47	NM	43:26:26	М	98-022	5
816	Matt Mahoney	44	FL	42:17:42	М	00-032	4	909	Jamshid Khajavi	57	WA	43:30:02	М	10-072	
817 818	Howard Cohen	49	CA	42:18:36	M F	08-053	2 7	910 911	David Fullford	45	WA	43:30:23 43:30:36	М	05-033	2
819	Diane Van Deren Lance Johnson	48 46	CO NM	42:18:40 42:20:00	г М	08-054 12-065	6	911	Stan Ferguson Jim Baker	49 54	AR OK	43:30:36	M M	13-077 04-049	3 4
820	Rickie Redland	53	CO	42:20:40	F	07-064	9	913	Steve McClung	46	CO	43:31:35	M	08-066	3
821	Diane Van Deren	47	CO	42:20:40	F	07-064	7	914	Murray Schart	46	UT	43:31:39	М	05-034	6
822	Andrea Williams	30	CO	42:22:00	F	11-053		915	Dan Curley	57	CA	43:33:37	М	13-078	3
823	Chris Twiggs	36	FL	42:22:00	М	07-066	9	916	Alan Smith	44	CO	43:33:56	М	13-079	2
824 825	Larry Inouye Tom Rowe	53 52	HI MT	42:22:25 42:22:59	M M	13-069 00-033	4	917 918	Rob Hacker Gordon Hardman	49 59	CO CO	43:35:04 43:39:12	M M	10-073 10-074	2 8
826	John Robinson	41	OR	42:23:00	M	06-033	3	919	Mike Price	50	UT	43:39:24	M	00-036	3
827	Will Carlton	38	CO	42:25:20	М	13-070		920	Mike (MN) Farris	45	MN	43:39:27	М	00-037	2
828	Randy Rhodes	42	CO	42:26	M	92-008T	5	921	Steve McClung	44	CO	43:39:45	М	06-053	3
829	Thomas Knutson	41	MN	42:26	М	92-008T	4	922	Steve McClung	48	CO	43:40:25	М	10-075	3
830 831	Will Vaughan Jim Baker	34 58	CO OK	42:27:43 42:29:39	M M	06-046 08-055	2 4	923 924	Art Bourque Carol Gerber	41 45	AZ CO	43:41:35 43:41:40	M F	03-043 08-067	2
832	Bob Crowley	56	CA	42:30:33	M	13-071	2	925	Julie Westland-Litus	36	CO	43:41:47	F	94-021T	4
833	Dmitry Lysenko	37	NJ	42:33:00	М	12-066	_	926	Steve Tilley	47	AR	43:41:47	М	94-021T	2
834	David Schurr	48	CA	42:33:47	М	08-056		927	Phil Kahn	41	CO	43:41:47	М	94-021T	4
835	Ken Gordon	47	NM	42:34:00	М	12-067	4	928	Robert Youngren	31	AL	43:43:26	М	05-035	3
836 837	Randy Gehrke Brett Gosney	50 47	ID CO	42:35:07 42:35:09	M M	07-067 06-047	7	929 930	Kirk McCarville Rick Hodges	53 63	AZ CO	43:43:52 43:44:00	M M	07-073 12-077	2 9
837	Diane Ridgway	47 50	CO	42:35:09	M F	99-042	2	930	Jay Dobrowalski	32	CA	43:44:00	M M	11-055	J
839	Matt Mahoney	43	FL	42:39:14	M	99-043	4	932	Diane Van Deren	51	CO	43:46:00	F	11-056	7
840	Ken Ward	55	OR	42:40:00	М	12-068	4	933	Douglas McInturff	41	СО	43:46:13	М	00-038	
841	Josh Mietz	32	NE	42:40:00	М	11-054	_	934	Rickie Redland	50	CO	43:46:34	F	04-050	9
842	Jon MacManus	45	CO	42:40:26	M	96-018	2	935	Kirk Apt	49 64	CO	43:47:00	M	11-057	19
843 844	Michael Bur Edward Strickland	41 45	MD CO	42:40:49 42:42:36	M M	06-048 01-040	4	936 937	Hal Winton Rodger Wrublik	64 49	CA AZ	43:48:16 43:48:18	M M	96-022 06-054	7
845	Tetsuro Ogata	31	JAPAN	42:42:44	M	13-072		938	Burgess Harmer	51	NV	43:48:33	M	93-019	,
846	Bert Meyer	54	CT	42:42:55	М	99-044	4	939	Don Platt	47	CO	43:48:36	М	01-045	6
847	Randy Wojno	49	CO	42:43:12	М	08-057	4	940	Murray Schart	42	UT	43:48:42	М	01-046	6
848 849	Paul Tidmore Stan Ferguson	40 46	TX AR	42:44:25 42:46:09	M M	08-058 10-067	2	941 942	John Sharp	35 53	TX CA	43:49:00 43:49:04	M M	12-078 06-055	2
849 850	Kristen Kern	46 39	AK NM	42:46:09	M M	04-045	3 11	942	Jerry Bloom David Lygre	53 53	WA	43:49:04	M M	96-023	3
851	Thomas Schnitzius	57	CO	42:50:09	M	10-068	4	944	Chris Twiggs	41	FL	43:51:00	M	11-058	9

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997 David Terry								.,	1089		60	GER	45:23:46	М	00-049	8
998 Kristina Írvín 40 CA 44;2:07 F 98-0.24 7 1092 Roger Ackerman 62 GA 45;2:48 M 08-080 998 Bobly Keoph 49 NM 44:32;23 M 07-080 1094 Emily (Baer) Loman 23 CO 45;27:50 F 99-0507 5 1001 Mike Dobies 44 MI 44:34;28 M 05-030 9 1095 Emily (Baer) Loman 23 CO 45;27:50 F 99-0507 7 1002 Michael Bur 40 MD 44;34;28 M 05-040 4 1096 Joe Prusatits 50 TX 45;27:55 M 05-046 7 1003 Andrew Hewart 5 ASTRAL 44;34;33 M 08-072 3 1097 P Holman 25 CO 45;27:55 M 05-046 7 1005 Ricke Redland 47 WY 44;34;33 M 08-072 3 1097 P Holman 25 CO 45;27:55 M 05-046 7 1006 Ricke Redland 47 WY 44;34;33 M 08-072 3 1097 P Holman 25 CO 45;27:55 M 06-046 7 1006 Ricke Redland 47 WY 44;34;33 M 08-072 3 1097 P Holman 25 CO 45;27:55 M 06-046 7 1006 Sherry Kae Malieu 49 NM 44;36;10 M 08-073 1100 Brat Keeply 36 NJ 45;29:00 M 12-087 2 1009 Dick West 31 MI 44;37:53 M 35-0207 1103 Margaret Heaphy 44 MT 45;29:15 F 00-051 10 1010 Eugene Trahen 38 W 44;37:53 M 35-0207 1103 Margaret Heaphy 38 MT 45;29:13 F 00-051 10 1012 Emer Broyl 58 UT 44;38:15 M 35-0207 1103 Margaret Heaphy 38 MT 45;39:13 M 07-081 9 1013 Ulrick Kamm 45 GER 44;38:15 M 35-0207 1103 Margaret Heaphy 38 MT 45;39:13 M 09-045 10 1014 Steve Perc 61 NM 44;39:15 M 35-0207 1103 Margaret Heaphy 38 MT 45;39:10 M 06-067 1015 Craig Slagel 36 CA 44;39:59 M 08-072 2 1107 Margaret Heaphy 38 MT 45;39:30 M 06-073 1016 Mark Heaphy 50 MT 44;41:00 M 11-062 1111 Margaret Heaphy 39 M 44;39:59 M 08-075 2 1110 Margaret Heaphy 39 M 44;39:59 M 08-075 2 1110 Margaret Heaphy 39 M 44;39:59 M 06-076 2 1110 Margaret Heaphy 39 M 44;39:59 M 06-076 2 1110 Margaret Heaphy 39 M 44;39:59 M 06-076 2 1110 Margaret Heaphy 39 M 44;39:50 M 06-076 2 1110 Margaret Heaphy 39 M M 44;30:00 M 11-062 1 110 Margaret Heaphy 39 M M 44;30:00 M 11-062 1 110 Margaret Heaphy 39 M M 44;30:00 M 11-062 1 110 Margaret Heaphy 39 M M 44;30:00 M 11-062 1 110 Margaret Heaphy 39 M M 44;30:00 M 11-062 1 110 Margaret Heaphy 39 M M 44;30:00 M 11-062 1 110 Margaret Heaphy 39 M M 44;30:00 M 11-062 1 110 Margaret Heaphy 39 M M 44;30:00 M 11-0																
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1002 Michael Burr 40 MD 44:34:28 M 05:040 4 1096 Joe Pursaitis 50 TX 45:27:55 M 05:046 7																5
1004 2004 Passe 44 UT																
1006 David Pease								4						М		
1006 Sickie Rediand 47 WY 44:34:53 F 01-049 9 1099 Kerry Collings 55 UT 45:26:18 M 04-064 7								3 4						M		3
1006 Jeff Nieben 46																7
1009 Sherry Kae Mahleu	1006	Jeff Nielsen		UT		М			1100	Brad Koenig		NJ		М		2
1009 Dick West 51 MI								4								
1010 Eugene Traherm 30																
1011 Kristen Kern																3
1013 Ulrich Kamm	1011		43	NM		М		11			45	MT		F	01-054T	10
1014 Steve Pero 61 NM																
1015 Craig Slage 36 CA 44:39:59 M 08-075 1109 Julian Smith 46 CO 45:36:00 M 12-088 2																3
1016 Mark Heaphy 50 MT 44:40:44 M 13-085 15 1110 Shawn Krause 29 MD 45:36:22 M 08-081								3								2
1018 John McGrew 38 CO 44:41:00 M 96-025 3 Mary Lou Morgan- 1019 Andrew Matulionis 39 MT 44:41:22 M 04-057 2 1112 Pentasuglio 42 CO 45:37:13 F 96-028 2 1020 Andrew Barney 40 UT 44:42:05 M 13-086 2 1113 Damon Lease 43 VT 45:37:30 M 04-066 2 1021 John DeWalt 67 PA 44:44:44 M 03-046 14 1114 Bill Losey 33 OH 45:39:30 M 04-066 2 1022 Rockford Cogar 51 CO 44:45:14 M 06-060 1115 Barry Oelrich 37 CO 45:40:15 M 10-082 1023 Mike Thomas 45 CO 44:45:20 M 06-061 2 1116 Lesile Trammell 46 TN 45:40:40 F 01-056 1024 James Hurley 32 OH 44:45:54 M 00-045 1117 Howie Stern 36 CA 45:42:05 M 05-047 5 1025 Cliff Davies 59 CAN 44:46:16 M 94-024T 1118 lan Hutcheson 40 CAN 45:42:07 M 96-029T 1026 Rolly Partelance 51 CAN 44:46:16 M 94-024T 2 1119 Matt Hornung 39 CO 45:42:07 M 96-029T 2 1027 John Nale 48 CO 44:47:00 M 11-067 1121 Susan Gardner 36 NM 45:44:36 F 00-052 2 1029 Kirk McCarville 52 AZ 44:47:30 M 11-067 1121 Susan Gardner 36 NM 45:44:36 F 00-052 2 1030 Richard Szekeresh 42 OH 44:47:57 M 03-047 2 1123 Kirstina Irvin 47 CA 45:45:07 M 98-030 1030 Richard Szekeresh 42 OH 44:48:45 M 97-030 5 1125 Rick Hamilton 43 MD 45:47 F 92-011T 1032 Dick Curtis 52 CO 44:48:45 M 97-030 5 1125 Rick Hamilton 42 MD 45:47:47 M 01-057 1036 Richard Szekeresh 42 OH 44:48:57 M 03-048T 5 1126 Mike Thomas 37 CO 45:47:47 M 01-057 1036 Richard Huff 45 CO 44:48:57 M 03-048T 5 1126 Mike Thomas 37 CO 45:47:47 M 01-057 1036 Richard Huff 45 CO 44:48:57 M 03-048T 5 1126 Mike Thomas 37 CO 45:47:47 M 01-057 1036 Richard Huff 45 CO 44:48:57 M 03-048T 5 1126								15								
1019 Andrew Matulionis 39 MT 44:41:22 M 04-057 2 1112 Pentasuglio 42 CO 45:37:13 F 96-028 2 1020 Andrew Barney 40 UT 44:42:05 M 13-086 2 1113 Damon Lease 43 VT 45:37:30 M 04-065 M 10-082 M M M M M M M M M									1111		37	CO	45:36:26	М	08-082	2
1020 Andrew Barney 40 UT 44:42:05 M 13-086 2 1113 Damon Lease 43 VT 45:37:30 M 04-065									1112		42	CO	45.37.13	F	96-028	2
1021 John DeWalt 67																-
1023 Mike Thomas 45 CO 44:45:20 M 06-061 2 1116 Leslie Trammell 46 TN 45:40:40 F 01-056 1024 James Hurley 32 OH 44:45:54 M 00-045 1117 Howie Stern 36 CA 45:42:05 M 05-047 5 1025 Cliff Davies 59 CAN 44:46:16 M 94-024T 1118 lan Hutcheson 40 CAN 45:42:07 M 96-029T 1026 Rolly Partelance 51 CAN 44:46:16 M 94-024T 2 1119 Matt Hornung 39 CO 45:42:07 M 96-029T 2 1027 John Nale 48 CO 44:46:16 M 94-024T 2 1119 Matt Hornung 39 CO 45:42:07 M 96-029T 2 1028 Joe Salette 61 CO 44:47:00 M 11-067 1120 Wendell Doman 46 CA 45:43:26 M 06-068 4 1028 Joe Salette 61 CO 44:47:30 M 11-067 1121 Susan Gardner 36 NM 45:44:36 F 00-052 2 1030 Richard Szekeresh 42 OH 44:47:57 M 03-047 2 1123 Kristina Irvin 47 CA 45:45:46 F 05-048 7 1031 Chuck Kroger 58 CO 44:48:45 M 97-030 5 1125 Rick Hamilton 43 MD 45:47 F 92-011T 1032 Dick Curtis 52 CO 44:48:45 M 97-030 5 1125 Rick Hamilton 42 MD 45:47 M 92-011T 1033 Bud Phillips 56 CA 44:48:57 M 03-048T 5 1127 Max Welker 59 WA 45:47:47 M 01-057 1036 Richard Huff 45 CO 44:48:57 M 03-048T 2 1128 Dennis Drey 58 NM 45:50:50 M 10-087 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067									1114	Bill Losey	33	ОН	45:39:30	М	04-066	2
1024 James Hurley 32 OH 44:45:54 M 00-045 1117 Howie Stern 36 CA 45:42:05 M 05-047 5										-						
1025 Cliff Davies 59 CAN 44:46:16 M 94-024T 2 1118 Ian Hutcheson 40 CAN 45:42:07 M 96-029T 2 1026 Rolly Partelance 51 CAN 44:46:16 M 94-024T 2 1119 Matt Hornung 39 CO 45:42:07 M 96-029T 2 1027 John Nale 48 CO 44:46:16 M 94-024T 1120 Wendell Doman 46 CA 45:43:26 M 06-068 4 4 4 4 4 4 4 4 4								2								
1026 Rolly Partelance S1 CAN 44:46:16 M 94-024T 2 1119 Matt Hornung 39 CO 45:42:07 M 96-029T 2 1027 John Nale 48 CO 44:46:16 M 94-024T 1120 Wendell Doman 46 CA 45:43:26 M 06-068 4 41:47:00 M 11-067 1121 Susan Gardner 36 NM 45:44:36 F 00-052 2 1029 Kirk McCarville 52 AZ 44:47:31 M 06-062 2 1122 Jason Hodde 28 IN 45:45:07 M 98-030 1030 Richard Szekeresh 42 OH 44:47:57 M 03-047 2 1123 Kristina Irvin 47 CA 45:45:46 F 05-048 7 1031 Chuck Kroger 58 CO 44:48:10 M 04-058 6 1124 Nancy Hamilton 43 MD 45:47 F 92-011T 1032 Dick Curtis 52 CO 44:48:45 M 97-030 5 1125 Rick Hamilton 42 MD 45:47 M 92-011T 1033 Don Thompson 55 CO 44:48:49 M 93-023 3 1126 Mike Thomas 37 CO 45:47:38 M 92-057 2 1034 Bud Phillips 56 CA 44:48:57 M 03-048T 5 1127 Max Welker 59 WA 45:47:47 M 01-057 1035 Gary Cuffin 52 CO 44:48:57 M 03-048T 2 1128 Dennis Drey 58 NM 45:50:50 M 10-083 10 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067 1036 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067 1036 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067 1036 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067 1036 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067 1036 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067 1036 Mike Dobies 38 MI 44:50:00 M 10-057																3
1027 John Nale								2								2
1029 Kirk McCarville 52 AZ 44:47:31 M 06-062 2 1122 Jason Hodde 28 IN 45:45:07 M 98-030 1030 Richard Szekeresh 42 OH 44:47:57 M 03-047 2 1123 Kristina Irvin 47 CA 45:45:46 F 05-048 7 1031 Chuck Kroger 58 CO 44:48:10 M 04-058 6 1124 Nancy Hamilton 43 MD 45:47 F 92-011T 1032 Dick Curtis 52 CO 44:48:49 M 93-023 3 1125 Rick Hamilton 42 MD 45:47 M 92-011T 1033 Don Thompson 55 CO 44:48:49 M 93-023 3 1126 Mike Thomas 37 CO 45:47:38 M 99-052 2 1034 Bud Phillips 56 CA 44:48:57 M 03-048T 5 1127 Max Welker 59 WA 45:47:47 M 01-057 1035 Gary Cuffin 52 CO 44:48:57 M 03-048T 2 1128 Dennis Drey 58 NM 45:50:50 M 10-083 10 1036 Richard Huff 45 CO 44:49:26 M 04-059 1129 Noe Castanon 42 CA 45:52:16 M 04-067 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067	1027	John Nale	48	CO	44:46:16	М	94-024T									4
1030 Richard Szekeresh 42 OH 44:47:57 M 03-047 2 1123 Kristina Irvin 47 CA 45:45:46 F 05-048 7 1031 Chuck Kroger 58 CO 44:48:10 M 04-058 6 1124 Nancy Hamilton 43 MD 45:47 F 92-011T 1032 Dick Curtis 52 CO 44:48:45 M 97-030 5 1125 Rick Hamilton 42 MD 45:47 M 92-011T 1033 Don Thompson 55 CO 44:48:49 M 93-023 3 1126 Mike Thomas 37 CO 45:47:38 M 99-052 2 1034 Bud Phillips 56 CA 44:48:57 M 03-048T 5 1127 Max Welker 59 WA 45:47:47 M 01-057 1035 Gary Cuffin 52 CO 44:48:57 M 03-048T 2 1128 Dennis Drey 58 NM 45:50:50 M 10-083 10 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067 1129 1129 Noc Castanon 42 CA 45:52:16 M 04-067 1129 1129 Noc Castanon 45 CA 45:52:16 M 04-067 1129 1129 Noc Castanon 45 CA 45:52:16 M 04-067 1129 NocCastanon 45 CA 45:52:16 M 04-067 1129 Noc Castanon																2
1031 Chuck Kroger 58 CO 44:48:10 M 04-058 6 1124 Nancy Hamilton 43 MD 45:47 F 92-011T 1032 Dick Curtis 52 CO 44:48:45 M 97-030 5 1125 Rick Hamilton 42 MD 45:47 M 92-011T 1033 Don Thompson 55 CO 44:48:49 M 93-023 3 1126 Mike Thomas 37 CO 45:47:38 M 99-052 2 1034 Bud Phillips 56 CA 44:48:57 M 03-048T 5 1127 Max Welker 59 WA 45:47:47 M 01-057 1035 Gary Cuffin 52 CO 44:48:57 M 03-048T 2 1128 Dennis Drey 58 NM 45:50:50 M 10-083 10 1036 Richard Huff 45 CO 44:49:26 M 04-059 1129 Noe Castanon 42 CA 45:52:00 M 12-089 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067																7
1032 Dick Curtis 52 CO 44:48:45 M 97-030 5 1125 Rick Hamilton 42 MD 45:47 M 92-011T 1033 Don Thompson 55 CO 44:48:49 M 93-023 3 1126 Mike Thomas 37 CO 45:47:38 M 99-052 2 1034 Bud Phillips 56 CA 44:48:57 M 03-048T 5 1127 Max Welker 59 WA 45:47:47 M 01-057 1035 Gary Cuffin 52 CO 44:48:57 M 03-048T 2 1128 Dennis Drey 58 NM 45:50:50 M 10-083 10 1036 Richard Huff 45 CO 44:49:26 M 04-059 1129 Noe Castanon 42 CA 45:52:00 M 12-089 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067																'
1033 Don Thompson 55 CO 44:48:49 M 93-023 3 1126 Mike Thomas 37 CO 45:47:38 M 99-052 2 1034 Bud Phillips 56 CA 44:48:57 M 03-048T 5 1127 Max Welker 59 WA 45:47:47 M 01-057 1035 Gary Cuffin 52 CO 44:48:57 M 03-048T 2 1128 Dennis Drey 58 NM 45:50:50 M 10-083 10 1036 Richard Huff 45 CO 44:49:26 M 04-059 1129 Noe Castanon 42 CA 45:52:00 M 12-089 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067									1125	-	42	MD	45:47	М	92-011T	
1035 Gary Cuffin 52 CO 44:48:57 M 03-048T 2 1128 Dennis Drey 58 NM 45:50:50 M 10-083 10 1036 Richard Huff 45 CO 44:49:26 M 04-059 1129 Noe Castanon 42 CA 45:52:00 M 12-089 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067	1033	Don Thompson	55	CO	44:48:49	М	93-023	3								2
1036 Richard Huff 45 CO 44:49:26 M 04-059 1129 Noe Castanon 42 CA 45:52:00 M 12-089 1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067																10
1037 Mike Dobies 38 MI 44:50:00 M 99-047 9 1130 Scott Sullivan 45 CA 45:52:16 M 04-067								2		•						10
								9						М		
	1038	Mike Mason	41	NC	44:51:00	М	11-063		1131	Dennis Drey	61	NM	45:52:31	М	13-090	10

Bloom			Ctoto			Year-	Number	Bloom				Time		Year-	Number Finished
Place	Name	Age	State	Time	Sex	Place	Finished	Place	Name Line Delland	Age	State	Time	Sex	Place	
1132 1133	Lance Johnson Kevin O'Grady	37 34	NM OH	45:53:26 45:53:43	M M	03-054 93-024	6 3	1225 1226	Jim Ballard Rollin Perry	48 58	MT IA	46:45:54 46:45:56	M M	98-032T 97-034	5 7
1134	Bruce Grant	46	CAN	45:55:00	М	11-068	5	1227	Robert Andrulis	40	AZ	46:46:32	М	08-093	7
1135	Aron Ralston	30	CO	45:55:49	М	05-049		1228	Julie Westland-Litus	34	CO	46:47	F	92-016	4
1136	Rollin Perry	60	IA	45:56:12	М	99-053	7	1229	Mike Smith	49	IN	46:49:08	М	07-090	2
1137	Rickie Redland	54	CO	45:58:18	F	08-083	9	1230	Nick Williams	51	AR	46:49:10	М	94-029	2
1138 1139	Kristen Kern Bob Combs	40 42	NM OH	45:58:47 46:00:29	M M	05-050 09-087	11 4	1231 1232	John Prohira Kerry Collings	53 60	NY UT	46:49:38 46:49:42	M M	07-091 09-094	7
1140	Daniel Benhammou	27	CO	46:00:23	M	07-086	5	1232	Scott Snyder	55	CO	46:50:23	M	10-091	2
1141	Andrew Hewat	47	ASTRAL	46:01:17	М	10-084	3	1234	Larry Hall	57	IL	46:51:00	М	11-072	5
1142	Rickie Redland	55	CO	46:01:57	F	09-088	9	1235	Steve Tilley	50	AR	46:51:09	М	97-035	2
1143	Robert Andrulis	41	AZ	46:02:24	М	09-089	7	1236	Doug Gimenez	55	TX	46:52:32	М	06-074T	
1144	Rick Hodges	60	CO	46:02:44	М	09-090	9	1237	Joe Prusaitis	52	TX	46:52:32	М	06-074T	7
1145 1146	John Machray Ulrich Kamm	60 44	CAN GER	46:02:46 46:03	M M	13-091 92-013	10	1238 1239	Kristen Kern Kristina Irvin	48 52	NM CA	46:52:50 46:54:07	M F	13-097 10-092	11 7
1147	Kevin O'Grady	33	OH	46:03	M	92-013	3	1239	Rollin Perry	62	IA	46:54:46	M	01-063	7
1148	Nancy Halpin	43	NM	46:04:00	F	03-055	ŭ	1241	Wendell Doman	45	CA	46:54:50	М	05-057	4
1149	Ron Ely	35	MD	46:04:15	М	06-069		1242	Nigel Finney	59	MN	46:55:10	М	05-058	5
1150	Robert Andrulis	44	AZ	46:05:00	М	11-069	7	1243	Thomas Knutson	55	MN	46:55:10	М	05-059	4
1151	Ulrich Kamm	54	CO	46:06:58	М	01-058	10	1244	Jim Ballard	51	OR	46:55:25	М	01-064	5
1152 1153	Doug Seaver Dick Curtis	32 55	CA CO	46:07:00 46:07:12	M M	12-090 00-053	2 5	1245 1246	Dan Whittemore Ben Benjamin	45 59	NH OR	46:56:13 46:56:28	M M	97-036 06-076	
1154	Larry Hall	54	IL	46:07:45	М	08-033	5	1247	Margaret Heaphy	51	MT	46:56:35	F	07-092	10
1155	Julie Westland-Litus	38	CO	46:08:15	F	96-032T	4	1248	Douglas Long	29	HI	46:57:00	М	11-073	
1156	Charles Haraway	48	CO	46:08:15	М	96-032T		1249	Thomas Schnitzius	56	CO	46:57:03	М	09-095	4
1157	Richard Hypio	40	CO	46:08:15	М	96-032T		1250	John DeWalt	60	PA	46:58:23	М	96-039T	14
1158	Clark Chesbro	35	CO	46:08:15	М	96-032T	2	1251	Kawika Spaulding	42	HI	46:58:23	М	96-039T	1.5
1159 1160	Lance Johnson Rick Pearcy	47 53	NM CO	46:08:45 46:08:59	M M	13-092 06-070	6 3	1252 1253	Mark Heaphy Rick Pearcy	43 57	MT CO	46:58:48 46:59:09	M M	06-077 10-093	15 3
1161	Zane Smith	37	TN	46:08:59	M	10-085	3	1254	Scott Olmer	34	CO	46:59:21	M	05-060	8
1162	Olga Varlamova	39	OR	46:09:19	F	09-091		1255	Kerry Collings	54	UT	46:59:26	М	03-062T	7
1163	Robert Andrulis	42	AZ	46:12:14	М	10-086	7	1256	Duane Nelson	46	OR	46:59:26	М	03-062T	4
1164	Kean Hankins	44	NC	46:12:26	М	10-087		1257	Virgil Best	40	CO	47:00:00	М	03-064	
1165	Dick Curtis	59	CO	46:14:10	М	04-068	5	1258	James Ficke	50	TX	47:01:00	М	11-074	2
1166	Kristina Irvin Carl Yates	48 65	CA	46:14:56	F	06-071	7	1259	Charlie Thorn	59	NM	47:02:17	М	05-061	10
1167 1168	Kerry Collings	61	CO UT	46:15:26 46:15:36	M M	93-025 10-088	7	1260 1261	Martin Miller Nigel Finney	53 57	MT MN	47:02:37 47:02:47	M M	05-062 03-065	2 5
1169	Beat Jegerlehner	43	CA	46:16:00	М	12-091	2	1262	Bob Combs	39	OH	47:02:50	М	06-078	4
1170	Liz Bauer	49	GA	46:17:17	F	08-085	6	1263	Ulrich Kamm	49	CO	47:03:10	М	97-037T	10
1171	Ginny LaForme	49	NM	46:17:25	F	99-054	3	1264	Jim Ballard	47	MT	47:03:10	М	97-037T	5
1170	Hans-Dieter	c.r	CER	46:17:21		05.051	0	1265	Stephane Marchand	37	FRANCE	47:03:29	М	10-094	
1172 1173	Weisshaar Frank Banton	65 40	GER OR	46:17:31 46:18:09	M M	05-051 09-092	8	1266	Deb Pero	49	NH	47:03:36	F	03-066	3
1173	Paul Gross	44	CO	46:18:29	M	08-086	3	1267 1268	Tom Rowe Robert Andrulis	57 39	MT AZ	47:03:42 47:04:24	M M	05-063 07-093	4 7
1175	Cathy Tibbetts	49	NM	46:18:32	F	03-056		1269	Roy Heger	58	OH	47:05:00	M	12-092	,
1176	Jose Wilkie	31	KY	46:19:14	М	94-027		1270	Lance Goss	60	CO	47:06:38	М	05-064	2
1177	Scott Smith	37	UT	46:19:31	М	99-055		1271	Tony Grappo	43	NV	47:08:53	М	94-030	
1178	John Wojciechowski	40	UT	46:20:04	М	13-093		1272	Jim Magill	59	CA	47:09:31	М	05-065	
1179 1180	Ken Gordon	46 52	NM UT	46:21:00 46:21:27	M M	11-070 01-059T	4 7	1273	Liz Bauer	53	GA	47:11:00	F	12-093	6
1181	Kerry Collings Duane Nelson	44	OR	46:21:27	M	01-059T	4	1274	Kirk Boisseree	48	CA	47:11:03	M M	05-066	2 7
1182	Rollin Perry	57	IA	46:21:40	М	96-035	7	1275	Scott Brockmeier Kathy D'Onofrio-	46	GA	47:11:07	IVI	08-094	,
1183	Roland Martin	43	NV	46:24	М	92-015		1276	Wood	36	CA	47:11:23	F	00-055	
1184	Molly Gibb	42	CO	46:25:35	F	03-057		1277	Margaret Heaphy	54	MT	47:12:37	F	10-095	10
1185	Clark Chesbro	33	CO	46:26:03	М	94-028	2	1278	Aki Inoue	36	JAPAN	47:13:46	М	00-056	
1186 1187	John Sharp Daniel Wilson	32 55	TX CO	46:26:15	M M	10-089	2	1279 1280	Don Thompson	54 37	CO NJ	47:15	M M	92-017	3 2
1107	Hans-Dieter	33	CO	46:26:52	IVI	13-094		1281	Brad Koenig Susan Gardner	46	NM	47:15:16 47:15:21	F	13-099 10-096	2
1188	Weisshaar	67	GER	46:27:01	М	07-087	8	1282	Stephen Cross	58	CA	47:15:36	М	06-079	_
1189	Bert Meyer	51	CT	46:27:22	М	96-036	4	1283	Patty Bryant	49	CA	47:15:49	F	09-096	
1190	Jack Jewell	55	CO	46:27:36	М	08-087	_	1284	Alfred Kroeger	33	CO	47:15:51	М	93-026	3
1191	Paul Gross	42	CO	46:27:52	М	06-072	3	1285	Marty Fritzhand	67	OH	47:16:11	М	10-097	_
1192 1193	Rollin Perry Mike Ehrlich	61 41	IA CO	46:28:40 46:29:55	M M	00-054 04-069	7 12	1286	Pat Homelvig	50	CO	47:16:22	M M	09-097	3
1194	Ulrich Kamm	48	GER	46:30:22	М	96-037T	10	1287 1288	Robert Andrulis Mike Smith	45 52	AZ IN	47:18:00 47:18:50	M	12-094 10-098	7 2
1195	Dana Roueche	39	CO	46:30:22	М	96-037T	2	1289	Ryan Martin	42	CO	47:19:00	М	11-075	-
1196	Rich Limacher	53	IL	46:31:16	М	03-058		1290	Dick Curtis	53	CO	47:19:19	М	98-034	5
1197	David Goldberg	48	AZ	46:31:37	М	08-088	_	1291	Jean-Francois Geiss	52	FRANCE	47:19:36	М	05-067	5
1198	Dana Roueche	40	CO	46:31:45	М	97-032	2	1292	Duane Nelson	49	OR	47:19:49	М	06-080	4
1199 1200	John DeWalt Ulrich Kamm	62 56	PA CO	46:32:36 46:32:50	M M	98-031 03-059	14 10	1293	Rick Hodges	61	CO CO	47:20:22	M M	10-099	9
1201	Kristen Kern	47	NM	46:33:00	М	11-071	11	1294 1295	Alfred Kroeger Margaret Heaphy	34 47	MT	47:21:12 47:21:29	F	94-031 03-067	3 10
1202	Chris Seiler	37	CA	46:33:24	М	08-089		1296	Steve Peterson	59	OR	47:21:30	M	13-098	3
1203	Robert Andrulis	45	AZ	46:35:20	М	13-095	7	1297	Matt Mahoney	48	FL	47:21:30	М	04-071	4
1204	Craig Wilson	58	ME	46:35:53	М	07-088	5	1298	Stan Ferguson	48	AR	47:23:00	М	11-076	3
1205	Chuck Kroger	60	CO	46:35:54	М	06-073	6	1299	Duane Nelson	52	OR	47:26:32	М	09-098	4
1206 1207	Pat Homelvig David King	51 55	CO NC	46:36:17 46:36:42	M M	10-090 01-061	3	1300	Ulrich Kamm	53	CO	47:26:44	М	00-057	10
1208	Todd Burgess	32	CO	46:37:49	М	01-062	2	1301 1302	Don Thompson Rich Haefele	56 37	CO CO	47:27:30 47:28:41	M M	94-032 04-072	3 4
1209	Chuck Kroger	59	co	46:38:00	М	05-052	6	1302	Wolfgang Hoefle	51	GER	47:30:00	M	11-077	7
1210	Rex Stickland	59	UK	46:39:47	М	03-060T		1304	Scott Tomchick	46	WA	47:31:00	М	11-078	
1211	Andrew Addis	48	UK	46:39:47	М	03-060T	2	1305	Gary Wright	48	WA	47:31:10	М	99-056	
1212	Daniel Probst	28	WA	46:40:12	М	07-089		1306	Ulrich Kamm	51	CO	47:31:30	М	99-057T	10
1213	Tom Simonds	58 49	VA	46:40:58	M	13-096	7	1307	Jim Ballard	49	MT	47:31:30	М	99-057T	5
1214 1215	Joe Prusaitis Keith Knipling	49 32	TX IL	46:42:03 46:42:23	M M	04-070 08-090	2	1308 1309	Andrew Barney	36 52	UT UK	47:33:01	M M	09-099	2
1216	Don Platt	55	CO	46:42:33	M	09-093	6	1309	Jim Drummond Hans-Dieter	52	UK	47:33:52	IvI	04-073	2
1217	Margaret Heaphy	49	MT	46:43:42	F	05-053	10	1310	Weisshaar	73	GER	47:34:00	М	13-100	8
1218	Chad Carson	46	UT	46:44:27	М	05-054	2	1311	Chuck Kroger	57	CO	47:36:22	М	03-068	6
1219	Richard Szekeresh	47	OH	46:44:52	М	08-091	2	1312	John DeWalt	71	PA	47:36:23	М	07-094	14
1220	Greg Loomis	34	VA CA	46:44:59	M	08-092	2	1313	Ginny LaForme	48	NM	47:37:06	F	98-035T	3
1221 1222	Suzi Thibeault Rickie Redland	49 51	CA CO	46:45:28 46:45:29	F F	97-033 05-055	9	1314 1315	Stuart Johnson Joel Zucker	39 44	KS NY	47:37:06 47:37:17	M M	98-035T 98-037	3
1223	Diane Van Deren	45	CO	46:45:29	F	05-056	7	1313	lan Farris	31	UT	47:38:24	M	13-101	3
1224	Rollin Perry	59	IA	46:45:54	М	98-032T	7	1317	Arthur Schwartz	46	CO	47:39	М	92-018	

	Hardrock Hundred Historical Results (as of 7/15/13)									
						Year-	Number			
Place	Name	Age	State	Time	Sex	Place	Finished			
1318	Ray Gruenewald	47	WA	47:39:15	М	07-095				
1319	George Hitzfeld	47	TX	47:39:43	М	07-096	2			
1320	Wendell Doman	49	CA	47:39:52	М	09-100	4			
1321	Doug Sullivan	51	DC	47:40:00	М	12-096	•			
1322	Gregory Trapp	49	OH	47:40:00	М	11-080	2			
1323	Bob Combs	44	OH	47:40:00	М	11-079	4			
1324	Bill Losey	41	CO	47:40:00	M	12-095	2			
1325	Todd Burgess	31	CO	47:41:03	M	00-058	2			
1326	Steve Peterson	50	OR	47:41:41	М	04-074	3			
1327	Shihab Shamma	50	DC	47:42:04	M	04-075	3			
1328	Jim Ballard	54	OR	47:42:21	M	04-075	5			
1329	James Ficke	51	TX	47:43:00	M	12-097	2			
1329	Lee Schmidt	54	CA	47:43:48	M	94-033	۷			
1330	Deb Pero	58	NM	47:43:58	F	13-102	3			
1332	Ulrich Kamm	57	CO		M	04-077	10			
1332	Hans-Dieter	37	CO	47:45:20	IVI	04-077	10			
1333	Weisshaar	63	GER	47:45:32	М	03-069	8			
1334	Ulrich Kamm	46	GER	47:46:26	М	94-034T	10			
1335	Martyn Greaves	34	UK	47:46:26	М	94-034T	2			
1336	Yuki Negoro	52	NJ	47:46:31	М	13-103	-			
1337	David Pease	42	UT	47:46:33	M	05-068	4			
1338	John DeWalt	73	PA	47:47:17	M	09-101	14			
1339	Tom Nyce	45	AZ	47:47:33	M	04-078	14			
1340	Lonney Vogt	53	CO	47:47:49	M	07-070				
1341	Rick Pearcy	56	CO	47:48:47	M	09-102	3			
1342	Conrad Cole	50	CO	47:48:59	M	00-059	3			
1342	Deb Pero	58	NM	47:49:00	F	12-098	3			
1344	Bozena Maslanka	34	CA	47:49:32	F	00-060	2			
1344	John DeWalt	70	PA	47:49:52	M	06-081	14			
1345	Bozena Maslanka	32	CA	47:49:59	F	98-038	2			
1347	Joel Zucker	43	NY	47:50:01	M	97-039	3			
1347	Joel Zucker Jennifer Roach	43 51	CO	47:50:01	F	04-079	3			
1349	John DeWalt	58	PA	47:50:03	M	94-036T	14			
1350	Kevin O'Grady	35	OH	47:50:21	M	94-036T	3			
1351	Joel Zucker	42	NY	47:50:41	M	96-041	3			
1351	Rich Haefele	38	CO	47:50:52	M	05-041	4			
1352		56	NE	47:50:52	M	99-059	4			
1354	Roger Wiegand Jerry Bloom	50 52	CA	47:51:25	M	05-039	3			
1354	•	54	OR		M		3			
1356	Steve Peterson Margaret Heaphy	48	MT	47:53:28 47:54:13	F	08-095 04-080	10			
1357	Richard Haves	54	CA	47:54:13	M	05-071	10			
1358	Rich Haefele	41	CO	47:54:13	M	08-096	4			
1359	Jennifer Roach	56	CO		F		3			
1360	John DeWalt	72	PA	47:54:53 47:54:58	M	09-103	3 14			
						08-097	14			
1361	Leonard Martin	56	TN	47:55:58	М	09-104	10			
1362	Margaret Heaphy	53	MT	47:56:34	F	09-105	10			
1363	Jennifer Roach	57	CO	47:57:06	F F	10-100	3			
1364	Allie Wood	47	MT	47:57:40		08-098				
1365	Richard Senelly	52	HI	47:59:35	М	96-042				
1366	Claire Ketteler	49	NH	47:59:44	F	13-104				

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

(Ver9AUG13)

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	Overall/	1992	1993	1994	1995	1996
	Record	1 st annual	2nd annual	3rd annual	4th annual	5th 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	101.3
Surface: cross country	NA	8.9	9.4	10.5	due to	12.7
Surface: trail	NA	67.9	67.3	77.8	SNOW	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	2238	42	35	75		91
Number & % finished	1366, 61.0%	18, 43%	26, 74%	37, 49%		42, 46%
Number of different finishers to date	591	18	33	55		82
First male, age, year, & time	Kyle Skaggs, 23,'08,23:23:30	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,	Nancy Hamilton, 43, 45:47	Margaret Smith, 37,	Margaret Smith, 38,		Betsy Kalmeyer, 35,
	37,'09,27:18:24		41:38:38	38:43:09		40:43:13
Median finish time	40:32:57	44:02	41:13:45	42:59:59		43:48:16
Average finish time	39:56:55	42:04:20	40:15:41	41:50:13		41:45:24
Greatest average Climb rate (ft/hr)	1409	916	1009	1022		1074
Average age - top five,	34.0	44.8	37.8	36.8		39.4
last five finishers	51.6	42.0	46.4	45.8		47.2
Average age - all finishers	44.6	41.7	41.7	41.9		43.5
Age of oldest	73	54	65	59		64
& youngest finishers	21	29	30	27		31
Number of male	2238/1210	36/16	31/24	69/34		82/38
starters/finishers						
Ni. malage of famala		C/2	4/2	6/3		9/4
Number of female starters/finishers	275/156	6/2	4/2	0/3		3/ 1

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(Ver9AUG13)

		(10,0,100.0)				
	Overall/	1997	1998	1999	2000	2001
	Record	6th Annual	7th Annual	8th Annual	9th Annual	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 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	2238	99	82	110	118	118
Number & % finished	1366, 61.0%	39, 39%	38, 46%	59, 54%	60, 51%	64, 54%
Number of different finishers to date	591	99	120	154	181	210
First male, age, year, & time	Kyle Skaggs, 23,'08,23:23:30	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	40:32:57	40:26:28	40:57:57	38:44:55	41:36:21	40:54:54
Average finish time	39:56:55	40:35:21	40:26:48	38:58:55	39:49:21	39:31:10
Greatest average Climb rate (ft/hr)	1409	1080	1093	1094	1116	1238
Average age - top five,	34.0	35.8	42.0	38.8	42.8	40.2
last five finishers	51.6	46.8	43.0	48.2	40.8	49.0
Average age - all finishers	44.6	43.5	43.0	43.0	43.2	45.4
Age of oldest	73	61	62	63	64	65
& youngest finishers	21	31	28	23	24	27
Number of male starters/finishers	2238/1210	87/36	76/34	100/53	102/51	102/57
Number of female starters/finishers	275/156	12/3	6/4	10/6	16/9	16/7
References/articles	NA	Sep 97, UR	Sep 98, UR	Sep 99, UR	Sep 00, UR	Sep 01, UR
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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)

ro box 33, silvertoil, co o		(Veranuara)				
	Overall/	2002	2003	2004	2005	2006
	Record	11th Annual	12th Annual	13 th Annual	14 th Annual	15 th Annual
Date	NA	July 12-14	July 11-13	July 9-11	July 8-10	July 14-16
Course length (miles)	NA	Cancelled	100.3	101.4	100.4	100.4
Surface: cross country	NA	due to	7.3	10.1	10.5	9.9
Surface: trail	NA	EXTREME Fire Danger	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 NA		0.4	0.4	0.2	0.4
Course climb (feet)	NA NA		33,082	33,212	32,992	32,992
Average altitude (feet)	NA NA		10,989	11,023	11,017	11,017
High altitude (feet)	NA NA		14,048 - Handies	14,048 - Handies	14,048 - Handies	14,048 - Handies
Low altitude (feet)	NA NA		7850 - Ouray	7870 - Ouray	7870 - Ouray	7870 - Ouray
Weather	NA NA		Fri- very warm morning,	Fri- clear warm morning,	Fri – clear and very warm in	Fri – clear and hot before
Weather	NA		then hot day, sunny with a	overcast by 2 PM,	morning, overcast building	noon, thunderstorm built
			couple clouds. Evening was	continued overcast until	up after 4 PM, light shower	up from Virginius half way
			clear and never seemed to	after midnight.	over Handies.	to Ouray; mostly clear
			cool down.	Sat- very warm overnight,	Sat - below freezing	overnight.
			Sat – still hot and almost	partly cloudy with	overnight, cooler during	Sat – clear and cool in
			total sunshine. Evening	sprinkles, clearing after	daytime and partly cloudy.	morning. Squalls of rain,
			very warm and clear.	sunrise. Partly cloudy with	Mostly clear at night and	hail, and lightning from
			very warm and clear.	scattered sprinkles during	below freezing above tree	Pole Creek to Cunningham
					<u> </u>	· ·
				daytime, very warm	line.	in midday. Clear overnight.
N. 1. 6.11			10	evening.		
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	2238		112	125	125	131
Number & % finished	1366, 61.0%		69, 61.6%	80, 64.0%	71, 56.8%	81, 61.8%
Number of different finishers	591		235	271	300	331
to date						
First male, age, year, & time	Kyle Skaggs,		Karl Meltzer, 35, 28:01:55	Paul Sweeney, 38,	Karl Meltzer, 37, 28:29:15	Karl Meltzer, 38, 27:07:55
	23,'08,23:23:30			30:39:14		
First female, age, year, & time	Diana Finkel,		Betsy Nye, 38, 33:02:28	Betsy Kalmeyer, 43,	Sue Johnston, 40,	Betsy Kalmeyer, 45,
	37,'09,27:18:24			32:48:52	32:07:41	31:53:51
Median finish time	40:32:57		41:46:55	41:57:45	44:01:02	42:11:33
Average finish time	39:56:55		40:35:55	41:04:45	41:10:15	40:40:43
Greatest average	1409		1180	1083	1158	1216
Climb rate (ft/hr)						
Average age - top five,	34.0		40.4	40.2	30.2	41.2
last five finishers	51.6		54.8	51.2	47.6	52.2
Average age - all finishers	44.6		47.6	46.7	44.8	45.9
Age of oldest	73		67	68	69	70
& youngest finishers	21		27	24	25	25
Number of male	2238/1210		92/60	107/69	112/62	117/75
starters/finishers	–			- ,	,	
Number of female	275/156		20/9	18/11	13/9	14/6
starters/finishers			_ = =, 0		, -	, -
References/articles	NA		Sep 03, UR	Sep 04, UR	Sep 05, UR	Sep 06. UR
Notor Cricco, ar ticles	11/7		55p 55, 5K	55p 5 1, 5lk	55p 55, 5K	55p 50. 0K

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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/	2007	2008	2009	2010	2011
	Record	16th Annual	17th Annual	18th Annual	19th Annual	20 th 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	Fri-clear and warm morning	Fri-light overcast and mild	Fri-Sunny going to light	Fri-PCloudy to sunny.
		partly cloudy. Heavy	turned into overcast by	with thunderstorms in Pole	overcast. Storm in	Severe t-storms over
		hailstorm in Pole Creek.	mid afternoon. Cloudy	Creek. Evening partly	Wasatch Basin. Overcast	Handies.
		Clearing at night.	evening.	cloudy.	through evening	Sat-PCloudy to sunny.
		Sat -Mostly sunny and mild	Sat-Mild and sunny. Warm	Sat-partly cloudy and mild	Sat-High clouds and cool,	Severe t-storms after
		day. Mild night.	evening.	with thunderstorm after	ideal running.	dark.
				dark over Putnam.		
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	2238	134	141	140	140	140
Number & % finished	1366, 61.0%	97, 72.4%	98, 69.5%	105, 75.0%	100, 71.4%	80, 57.1%
Number of different finishers	591	371	403	441	478	515
to date						
First male, age, year, & time	Kyle Skaggs,	Scott Jurek,	Kyle Skaggs,	Karl Meltzer,	Jared Campbell,	Julien Chorer
	23,'08,23:23:30	34,'07,26:08:34	23,'08,23:23:30	41, '09, 24:38:02	30, '10, 27:18:06	31, '11, 25:17:00
First female, age, year, & time	Diana Finkel,	Krissy Moehl,	Diana Finkel,	Diana Finkel,	Diana Finkel,	Diana Finkel
	37,'09,27:18:24	30, '07, 29:24:45	36,'08,31:09:40	37,'09,27:18:24	38,'10,28:32:06	40, '11, 29:27:00
Median finish time	40:32:57	38:49:40	41:37:12	39:10:00	38:49:46	39:45:00
Average finish time	39:56:55	39:03:32	40:39:41	39:05:16	39:15:17	39:41:53
Greatest average	1409	1267	1409	1339	1207	1304
Climb rate (ft/hr)						
Average age - top five,	34.0	34.6	32.2	38.8	30.8	32.4
last five finishers	51.6	51.6	52.0	58.8	56.5	47.6
Average age - all finishers	44.6	44.5	44.6	45.4	45.7	42.8
Age of oldest	73	71	72	73	67	61
& youngest finishers	21	27	21	24	25	21
Number of male	2238/1210	116/86	124/88	119/88	121/88	124/72
starters/finishers	275 /452	10/11	17/10	21 /17	10/12	10/0
Number of female	275/156	18/11	17/10	21/17	19/12	16/8
starters/finishers	N.A	Com 07 UD	Com CO LID	Can CO LID	Can 10 UD	Com 11 UD
References/articles	NA	Sep 07 UR	Sep 08 UR	Sep 09 UR	Sep 10 UR	Sep 11 UR

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)

TO BOX 33, SHIVE CON, CO O		(VersAddrs)				
	Overall/	2012	2013	2014	2015	2016
	Record	21st Annual	22 nd Annual	23 rd Annual	24 th Annual	25 th Annual
Date	NA	July 13-15	July 12-14			
Course length (miles)	NA	102.5	100.5			
Surface: cross country	NA	10.5	10.5			
Surface: trail	NA	62.6	62.1			
Surface: jeep road	NA	16.3	16.3			
Surface: dirt road	NA	11.4	11.4			
Surface: pavement	NA	1.7	0.1			
Course climb (feet)	NA	32962	32962			
Average altitude (feet)	NA	11,016	11016			
High altitude (feet)	NA	14,048 - Handies	14,048 - Handies			
Low altitude (feet)	NA	7,870 - Ouray	7,870 - Ouray			
Weather	NA	Fri – Partly cloudy and mild.	Fri-cloudy at start.			
		Sat - Partly cloudy and	Lightning storms			
		mild.	developed over Handies			
		Mild temperatures	and eastern course half.			
		throughout.	Sat-partly cloudy to cloudy with some sprinkles.			
			Mild temperatures			
			throughout.			
Number of aid stations	NA	12	13			
Permit limit	NA NA	140	140			
Number of starters	2238	140	140			
Number & % finished	1366, 61.0%	98, 70.0%	104, 74.3			
Number of different finishers to	591	560	591			
date	331	300	331			
First male, age, year, & time	Kyle Skaggs,	Hal Koerner	Sebastien Chaigneau			
	23,'08,23:23:30	36, '12, 24:50	41, '13, 24:25:50			
First female, age, year, & time	Diana Finkel,	Darcy Africa	Darcy Africa			
	37,'09,27:18:24	37, '12, 29:09	38, '13, 29:54:55			
Median finish time	40:32:57	38:23:00	40:37:06			
Average finish time	39:56:55	38:14:26	39:21:42			
Greatest average	1409	1327	1349			
Climb rate (ft/hr)						
Average age - top five,	34.0	30.8	39.2			
last five finishers	51.6	49.2	52.6			
Average age - all finishers	44.6	43.5	46.3			
Age of oldest		63	73			
& youngest finishers	21	22	25			
Number of male starters/finishers	2238/1210	122/86	124/93			
Number of female	275/156	18/12	16/11			
starters/finishers	273/130	10/12	10/11			
References/articles	NA	Sep 12 UR	Sep 13 UR			
					1	i

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

2014 Hardrock Lottery Results – as of December 8, 2013

Fred Abramowitz Tim Adams Darcy Africa Christopher Agbay

Stuart Air Robert Andrulis Kirk Apt

Chad Armstrong
James Ballard
Andrew Barney
Andy Black
Neil Blake
Howie Breinan
Scott Brockmeier
Levi Burford
Jared Campbell
Sebastien Chaigneau

Sebastien Chaigne
Julien Chorier
Rhonda Claridge
David Clark
David Coblentz
Bob Combs
Ben Corrales
Helen Cospolich
Nick Coury
Sean Cunniff
Tyler Curiel

Ferdinand de Souza Mike Dobies Ty Draney Dennis Drey Mike Ehredt Michael Ehrlich Rob Erskine

James Ficke Diana Finkel Chihping Fu Shigeru Furuta

Stan Ferguson

Ian Farris

Bill Geist Chris Gerber James Gifford Kim Gimenez

Todd Gangelhoff

Jean-Francois Geiss

Ken Gordon

Brett Gosney
Joe Grant
Garett Graubins
Douglas Gray
Jaclyn Greenhill
Paul Gross
Ray Gruenewald

Drew Gunn
John Hallsten
Gordon Hardman
Mark Heaphy
Zach Hermsen
Adam Hewey
Rick Hodges
Wolfgang Hoefle
Steve Holman
Timothy Holmes
Pat Homelvig
Jill Homer
Kristina Irvin
Randy Isler
Shinsuke Isomura

Scott Jaime Mike James Cory Johnson **Dakota Jones** Jeff Jones Kilian Jornet Mick Jurynec Tsuyoshi Kaburaki Betsy Kalmeyer Brian Kent Kristen Kern Jason Koop Shawn Krause Scott Kuhn **Kelly Lance** Kathie Lang

Joseph Lea
Eric Lee
Suzanne Lewis
Jeff List
Tim Long
Gary Lukacs
Ted Mahon
Ryan McDermott

Abby McQueeney Penamonte

Scott Mills Jeason Murphy Ken Nakagawa

Doug Newton Betsy Nye Scott Olmer Timothy Olson

Timothy Olson
Mark Oveson
Erich Peitzsch
Rollin Perry
Chad Piala
Don Platt
Jason Poole
Mauricio Puerto
Paul Ralyea
Rickie Redland

Tom Remkes
Steve Roark
Todd Salzer
Murray Schart
Jen Segger
John Sharp
Billy Simpson
Julian (CO) Smith
Paul Smith
Craig Stahl

Howie Stern
Erik Storheim
Paul Sweeney
Neal Taylor
Paul Tidmore
David Tosch
Kevin Twidwell
Chris Twiggs
Tina Ure
Robert Villani
Ken Ward
Rosie Warfield
Christopher Waters

Phil Wiley
David Williams
Kendall Wimmer
Joe Winch
Allie Wood
Blake Wood
Kuni Yamagata

Mother Lode Award Winners

Each year the Hardrock Hundred recognizes an individual or group who contribute greatly to the success of our run. The Mother Lode Award is the highest award the Hardrock Hundred gives so if you see these people be sure to congratulate them!!

- **1992** *Kris Maxfield* Former co-run director. Back when no one was sure this run could be completed or organized, Kris convinced the townspeople of Silverton that this run was something special. She was instrumental in the initial organization and administration of the run. Now she is spending her time being a mom; don't be surprised if you see her on the streets of Silverton.
- **1993** *Jan King* As one of the original radio operations, Jan helped immensely in establishing the radio network that now is the backbone of our run.. These days you can catch him operating a ham radio or helping pace Gordon Hardman to another Hardrock finish.
- **1994** *Chistine Bass* As Kris Maxfield's "boss" Christine allowed Kris to spend the time necessary to fine-tune this run. She thought it was so cool that she volunteered as an assistant run director. Christine was also the first Sivlerton artist to paint her interpretation of the course, a painting we used to help start the tradition of the "finisher's print" that has become a HRH trademark.
- **1995** Who Else??? Mother Nature she dumped a "lode" of snow on our course and ruined all the fun for that year!!
- 1996 *John Cappis* As the only course director this run has ever had John has provided all the runners with more than their share of up's and down's. Seriously, the development of a course such as the Hardrock is no easy task and John has continually worked to improve and refine your tour of the San Juan Mountains.
- **1997** *Jim Scott* Jim who?? Another one of the behind the scenes people that we could not do without. Jim is a former communications director and was responsible for furthering the communications network and developing the strong cadre of radio operators that you see at every aid station. He now is involved in making sure all the radio equipment is in working order.
- **1998** *Charlie Thorn* Course marking director, hotel proprietor and one of the key people in the Hardrock organization!! His generosity and commitment to mountain running in general, and his run in particular, cannot be overstated!! If you get lost on the course, don't blame Charlie!
- **1999** *Carolyn Erdman* As the "unofficial" ambassador and hostess of the HRH, Carolyn has welcomed many a runner to the San Juans. Her enthusiasm and caring spirit epitomize what ultrarunning is all about. Carolyn also acts as an integral HRH link to the Silverton community.

- **2000** *Jim and Maryanna Cusick* You may not know these two by name but if you have been on the Hardrock course you know their reputation! As the proprietors of the Grouse Gulch aid station, the Cusick's have developed a reputation for having an aid station any hardrock miner would die for. Be sure to check out the menu and ask them about the annual specials!
- **2001 Lisa** *Richardson* Making sure the HRH aid stations are organized, staffed, and stocked with goodies is no easy task, yet Lisa approaches e challenge as she dies with most everything else; with a huge smile and an infectious positive outlook. Not only does she serve as aid station coordinator, she also is pretty good at passing out hugs to the male finishers every year at the awards ceremony.
- **2002** *Mother Nature* again. This time for the extreme fire danger and forest fires in the area.
- **2003** *The Hardman Family & Dale Garland* In 1991, Gordon's idea started the Hardrock. His family, Molly, Ryan, and Maria have been important components and hard workers for 12 years. Ryan and Marie have literally grown up with the Hardrock. Dale has been Co-RD and RD from the beginning. His enthusiasm, dedication, and hard work have been instrumental in success over the years.
- **2004** *Blake Wood and Rebecca Clark* As the Hardock Hundred has moved into the digital age Blake was instrumental in helping develop, maintain and update our communication with the rest of the ultra running world. Rebecca, meanwhile, has consistently been one of the key people in helping organize the check in for Hardrock and her smiling face and knowledge of the event is one of the first thing a Hardrock runner sees when they get to Silverton.
- 2005 Greg and Ilse Hine The Hardrock was very fortunate when the Hine's decided to join us. Greg is our co director of communications and has been instrumental in bringing to our communications an increased sense of professionalism and organization. We can also thank Greg for helping develop "Hardrock Live", which allows your friends and family to monitor your progress even if they aren't here to witness it first hand.
- **2006** *Ben McGaha and Harley Murray* Solar panel batteries, digipeaters, etc. You may not know what these are for but these two men do! Keeping track of all of you would not be possible without the tireless efforts of these two men. Harley and Ben coordinate the placement and upkeep of our communications hardware and system.
- 2007 Rick Trujillo The mountain running exploits of Rick Trujillo are legendary and no one knows the San Juan Mountains better than Rick. So when we conceived the idea of Hardrock he was one of the first people we called to help design the course. Since then he has remained active with Hardrock as a HRH liaison in Ouray as well as serving on the HRH Board of Directors.

- **2008** *Lois MacKenzie* Lois has brought her energy, passion and organizational expertise to Hardrock as our Aid Station Director. Many a runner has benefited from Lois's unwavering commitment to making sure our aid stations are well stocked and well organized. As a die hard supporter of Hardrock Lois has been a great ambassador for our run among runners and community members alike.
- **2009** *Steve Blaylock* Helping with radio repeaters, helping set up Hardrock Live, transporting communication equipment to aid stations or taking a turn in the communications center-whenever and wherever Hardrock communication is needed, Steve is there. Steve's energy and commitment to our run is something that has become integral to the success of Hardrock's communication network.
- **2010** *Heidi Schutt* If you have a t-shirt, sweat shirt, coffee cup or any other memorabilia from Hardrock you have Heidi to thank. Heidi is our merchandise coordinator and has applied her marketing and merchandising skills to make sure we have a wide varietyy of memorabilia for you to choose from. Thanks to Heidi the Hardrock logo can proudly be seen wherever runners, families and crews want to show it off.
- **2011** *Eric Schmitt* One of the longstanding aid station captains of Hardrock, Eric has captained and organized the Governors Basin aid station for many years. Eric and the crew that he personally puts together every year epitomize the care, concern and enthusiasm that the Hardrock aid stations have become known for year in and year out.
- 2012 Leo Lloyd Leo has organized and directed our aid station medical activities for many years. As a physician's assistant, he brings requisite medical knowledge to his organizational skills. He has dealt with innumerable medical emergency and non-emergency situations with expertise and good humor and the Hardrock family is a lot safer.
- **2014** *Rodger Wrublik* Rodger moved to Silverton about 10 years ago after buying the Wyman Hotel. Over the years Rodger, drawing on Wyman Hotel resources and his own ingenuity, has set up the Hardrock start/finish, provided the multinational flags, set up and taken down the circus tent used by Hardrock many time, and made himself and the Wyman available on short notice for any emergency. Unfortunately, Rodger has also been relentless in pursuit and removal of blow downs on the Hardrock course, causing many runners' times to decrease significantly.

Awards as of July 15, 2013

Hardrock Hundre	ed 15 Year Awards		
1. Kirk Apt ('09)	2. Blake Wood ('10)		
3. Randy Isler ('11)	4. Mark Heaphy ('13)		

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)						

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 Andrulis ('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)							

Hardrock Hundred High Finishers (as of July 15, 2013)

<u>19 Finishes</u> Kirk Apt	<u>18 Finishes</u> Blake Wood	<u>17 Finishes</u> Randy Isler
<u>15 Finishes</u> Mark Heaphy	<u>14 Finishes</u> Betsy Kalmeyer John DeWalt	<u>12 Finishes</u> Betsy Nye Mike Ehrlich
<u>11 Finishes</u> Kris Kern		Tyler Curiel
10 Finishes	6 Finishes	
Charlie Thorn	Chuck Kroger	<u> 4 Finishes</u>
Dennis Drey	Cory Johnson	Allen Hadley
Margaret Heaphy	David Coblentz	Bert Meyer
Roch Horton	Don Platt	Bob Combs
Ulli Kamm	Glenn Mackie	Darcy Africa
	James Nelson	David Pease
<u> 9 Finishes</u>	Jan Fiala	David Wilcox
Chris Twiggs	Lance Johnson	Dennis Herr
Mike Dobies	Liz Bauer	Diana Finkel
Rick Hodges	Murry Schart	Duane Nelson
Rickie Redland	Paul Sweeney	Geoff Miller
Scott Eppleman	Ted Mahon	Jason Poole
		Jim Baker
<u>8 Finishes</u>	<u> 5 Finishes</u>	John Hallsten
Billy Simpson	Bruce Grant	Jon Teisher
Gordon Hardman	Bud Phillips	Julie Westlund
Hans-Dieter Weisshaar	Craig Wilson	Ken Gordon
Jared Campbell	Daniel Benhammou	Ken Ward
Scott Olmer	David Horton	Matt Mahoney
Todd Salzer	Dick Curtis	Michael Bur
	Emily Baer	Paul Schoenlaub
7 Finishes	Greg Hartman	Phil Kahn
Brett Gosney	Howie Stern	Randy Wojno
Diane Van Deren	Jean-Francois Geiss	Rich Haefele
Joe Prusaitis	Jim Ballard	Thomas Knutson
Karl Meltzer	Jim Fisher	Thomas Schnitzius
Kerry Collings	Larry Hall	Tom Hayes-McGoff
Kristina Irvin	Mike Burke	Tom Rowe
Odin Christensen	Neal Taylor	Wendell Doman
Robert Andrulis	Nigel Finney	
Rodger Wrublik	Randy Rhodes	
Rollin Perry	Ricky Denesik	
Scott Brockmeier	Scott Mills	
Scott Jaime	Tom Garrison	

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
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

Attachment F

Easy Reference Schedule of Events

The planned program is below. We are going to be working hard the two weeks or so before the run, finalizing and marking the course, and taking care of last minute details. However, no detailed schedule is provided here. If you are involved with these activities (or would like to be) coordinate with the appropriate person (Dale, Lois, or Rick). The provisional trail marking schedule is in section 9 of the Runner's Manual.

Friday, July 4	, 2014							
Time	What	Where	Comments					
0700	Silverton Blue Ribbon 10 K Race	Memorial Park						
1000	4 th of July Parade	Greene Street	Meet at Courthouse and dress in red, white, and blue.					
TBD	Rhubarb Festival	Memorial Park						
Dusk	Silverton fireworks show							
Saturday, July	y 5, 2014							
Time	What	Where	Comments					
TBA	Trail Work	TBA	Contact Rick Trujillo					
Sunday, July	6, 2014							
Time	What	Where	Comments					
TBA	Trail Work	TBA	Contact Rick Trujillo					
TBA	D&SNG Train Ride (1 way)	Silverton Train Depot						
Tuesday, July	8, 2014							
Time	What	Where	Comments					
0900	Spouse hike	Silverton School	See where your runner will be running!					
1200	Future Hardrockers Games	Silverton Track	Games for all the future Hardrockers!					
1500	John Dewalt Rememberance	TBA	Share stories and memories.					
1730	Duane Smith, "The Real Hardrockers"	Silverton School	Presentation and Q&A					
Wednesday, J	uly 9, 2014		-					
Time	What	Where	Comments					
1000	Q&A with Hardrock Veterans	Silverton School	Panel Q&A about what is Hardrock					
1200-1600	Runner check-in	Silverton School						
1300-1530	Hardrockers Pot Lick	Memorial Park	Share stories and food.					
1600	Trail briefing-voluntary looooong version	Silverton School						
1930	"Running the Colo Trail" Film	TBA	Scott Jaime's run on the Colorado Trail					
Thursday, Jul								
Time	What	Where	Comments					
0800-1100	Runner check-in	Silverton School	All runners must check in by 1100 hours or lose their entry in the run.					
1200	Mandatory runner briefing	Silverton School						
1315	Hard Block run	Silverton School	Kids run around the block and kiss the Hardrock					
1500	Drop bag deadline	Silverton School						
1500-1700	Hardrock BOD Meet and Greet	Silverton School						
1800-2000 Friday, July 1	San Juan County S&R Fund Raiser Dinner	Grumpy's Restaurant	In Grande Imperial Hotel					
Time	What	Where	Comments					
0430	Breakfast	Local Restaurants-TBA	Comments					
0500-0545	Mandatory runner check-in	Silverton School	Runners not checked in by 0545 will lose their entry.					
0600	Start	Silverton School						
Saturday, July								
Time	What	Where	Comments					
	Still busy/info available	Silverton School						
On-going	Still busy/fillo avallable	Direction Benoon						
On-going Sunday, July		Silverton School						
		Where	Comments					
Sunday, July Time	13, 2014 What	Where	Comments					
Sunday, July	13, 2014		Comments					

Silverton School

Silverton School

Awards banquet/ceremony

End of runner activities

0900

1200