

2013 Runners Manual July 12-14, 2013

Silverton, Lake City, Ouray, Telluride Counter Clockwise Direction

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 2013 (VILI SIUNI3) © Charlie Thorn 2013

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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 2013 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 2012.

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 counter counter 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 2013 course is similar to that of 2012, except run in the opposite direction and we will resume running through Wasatch Basin south of Telluride.

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 will be 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 CHECKLIS	T		
Wind/rain suit	Dark glasses	Running pack		
Warm-up suit	Flashlights	Gloves		
Running hat/cap	Spare batteries & spare bulbs	Sun block		
Emergency blanket	Water bottles	Extra drop bag gear		
Whistle	Clothing for rain and snow and temperatures below freezing			

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 Cunningham, 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.

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 Grouse Gulch 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 suitWarm-up suitDay backpackSpare batteries & spare bulbsPen and paperSun blockGlovesParka or vestSnacks/mealsFluidsThis ManualSleeping bagColorado Hiking Certificate (Search & Rescue insurance)

Flashlight Water bottle Hat Dry change of clothes Book/magazine to read Insect repellent 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 Potato chips Cookies Soup Coca-Cola products Sandwiches Chicken or beef bouillon Coffee, tea, and hot chocolate Bananas Water Pretzels Hard candies Soda crackers Oatmeal packets

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 breath 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.

Thursday, July 4, 2013

When	What	Where
0700	Silverton Blue Ribbon 10 K Race	Memorial Park
1000	4 th of July Parade – Featuring the Hardrock Precision Marching Team – You are invited!!	Main Street
Saturday & Sunday, J		
When	What	Where
Saturday	Trail Work	Ouray Bear Creek Tunnel
Sunday	Trail Work	Contact Rick Trujillo
Wednesday, July 10, 2	013	
When	What	Where
1200-1600	Runner check-in	Silverton High School gym
1300-1600	Pot Lick	Memorial Park
1600	Trail briefing - voluntary loooooong version	TBD
Thursday, July 11, 201		
When	What	Where
0800-1100*	Runner check-in	Silverton High School gym
1200	Mandatory runner briefing	Silverton High School gym
1400	Volunteer briefing	Silverton High School gym
1500	Drop bag deadline	Silverton High School gym
TBD	Fund raiser dinner	TBD
* All runners must che Friday, July 12, 2013	eck in by 1100 hours or lose their entry in the run.	
When	What	Where
0400	Breakfast	Local restaurants – to be announced
0500	Mandatory runner check-in	Silverton High School gym
0600	Start	Silverton High School gym
Saturday, July 13, 201	3	
When	What	Where
When On-going	What Still busy/info available	Where Silverton High School gym
On-going		
On-going Sunday, July 14, 2013 When 0600	Still busy/info available	Silverton High School gym
On-going Sunday, July 14, 2013 When 0600 0700	What Last official finisher arrives Runner and S&R status summary	Silverton High School gym Where Silverton High School gym Silverton High School gym
On-going Sunday, July 14, 2013 When 0600	Still busy/info available What Last official finisher arrives	Silverton High School gym Where Silverton High School gym

7.2 Aid Station Locations & Cut-off Times (adjusted for Silverton High School gym start)

Aid Station	Latitude*	Longitude*	Access	Mileage	Facility	Crew Access /Drop Bag	Absolute Cut-off Time
Silverton-Start	37° 48.725'	107° 39.977'	Auto	0.0	RDFWM	Yes	Fri-6:00 AM
Cunningham Gulch	37° 47.611'	107° 34.680'	Auto	9.3	RDFW	Yes	Fri-10:45 AM
Maggie Gulch	37° 49.131'	107° 32.187'	4WD	15.4	RFW	No	None
Pole Creek	37° 48.180'	107° 28.400'	Hike	19.7	RFW	No	None
Sherman	37° 54.049'	107° 25.986'	Auto/4WD	28.8	RDFW	Yes	Fri-8:15 PM
Grouse Gulch	37° 55.053'	107° 33.499'	Auto	42.2	RDFW	Yes	Sat-02:30 AM
Engineer	37° 59.156'	107° 36.277'	Hike	48.7	RFW	No	None
Ouray	38° 01.032'	107° 40.607'	Auto	56.6	RDFWM	Yes	Sat-9:00 AM
Governor Basin	37° 58.928'	107° 45.675'	Auto	64.5	RFW	No	Sat-12:30 PM
Kroger Canteen	37° 57.708'	107° 46.306'	Hike	67.8	RFW	No	None
Telluride	37° 56.099'	107° 48.379'	Auto	72.8	RDFWM	Yes	Sat-4:45 PM
Chapman Gulch	37° 51.317'	107° 48.331'	Auto/4WD	82.1	RDFW	Yes	Sat-9:30 PM
KT	37° 47.531'	107° 47.555'	4WD	89.1	RFW	No	Sun-1:30 AM
Putnam	37° 46.797'	107° 43.922'	Hike	94.7	RFW	No	None
Silverton-Finish	37° 48.725'	107° 39.977'	Auto	100.5	RDFWM	Yes	Sun-6:00 AM

* Lat/Long data from Greg Hine

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

Times in military (24 hours clock) time.

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

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')

2013	July 12	July 13	July 14
Begin astronomical twilight	0407	0408	0410
Begin nautical twilight	0450	0451	0452
Begin civil twilight	0528	0529	0530
Sunrise	0559	0600	0600
Sunset	2034	2033	2033
End civil twilight	2104	2104	2103
End nautical twilight	2142	2142	2141
End astronomical twilight	2223	2224	2223
Moonrise	1013	1112	1212
Moonset	2251	2322	2354
Illumination of moon (at midnight)	14%	22%	31%

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

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.

Run Director Dale Garland 195 Ball Lane Durango, CO 81301 (970) 259-3693 (970) 769-2872 (M) Hardrock100-bresnan.net	Aid Station Director Lois MacKenzie 553 Sundial Moab, UT 84532 In Silverton at: P.O. Box 33 Silverton, CO 81433 (970) 946-1058 skunkears-yahoo.com	Hardrock Board of Directors President Kris Kern 751 46 th Street Los Alamos, NM 87544 (505) 500-7248 kernkt@cybermesa.com
Pacer Coordinator	Course Marking Director	Medical Coordinator
Andrea Feucht	Charlie Thorn	Leo Lloyd
PO Box 74	4501 B Ridgeway	22 E. Animas Village Lane
Cedar Crest, NM 87008	Los Alamos, NM 87544	Durango, CO 81301
(505) 920-8848	(505) 662-2397-h	(970) 259-1651
andrea-tenacity.net	thorncha-gmail.com	<u>Illoyd-gobrainstorm.net</u>
Trail Work Coordinator	Communications Directors	Course Flag Pulling Director
Rick Trujillo	Steve & Shauna Blaylock	Betsy Kalmeyer
Rstrux-rmi.net	Ssblaylock-gmail.com	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 1450 Green St, PO Box 565 Silverton, CO 81433 (970) 387-5654 (800) 752-4494 http://www.silvertoncolorado.com

LAKE CITY CHAMBER OF COMMERCE PO Box 340 Lake City, CO 81235 (970) 944-2527 http://www.lakecityco.com OURAY COUNTY CHAMBER OF COMMERCE PO Box 145 Ouray, CO 81427 (970) 325-4746 (800)-228-1876 http://www.ouraycolorado.com

TELLURIDE TOURISM BOARD PO Box 1009 Telluride, CO 81435 (970) 369-1177 X304: general information & lodging 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 2013 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.

Date	Course Section	Comments
Tuesday 7/2	Rope Mineral Creek	Begin at 9 AM
	Bear Creek (Silverton) to KT	Shuttle vehicles
Wednesday 7/3	KT to Chapman Gulch, &	Car/4WD shuttles
	Maggie to Cunningham to Arrastra Gulch	
Thursday 7/4	Sherman to Maggie Gulch &	4WD to Sherman & leave vehicles
	Grouse Gulch to Burrows Park to Sherman	(Blue Ribbon 10K Run & Parade in Silverton)
Friday 7/5	Chapman to Oscar's	Simultaneous marking. May require snow shovels.
	Oscar's to Telluride	Start from Telluride & Silverton
Saturday 7/6	Bear Cr Trail (Ouray) to Engineer Pass	Start at US 550 Tunnel at 8 AM
	Optional Bear Cr Trail (Ouray) work day	Meet at US 550 Tunnel at 8 AM
Sunday 7/7	Telluride to Virginius Pass	Simultaneous marking. Survivors meet at Kroger
	Virginius Pass to Governor Basin	Canteen for traditional picture.
	American Basin if needed	Start from Silverton
	Optional Trail Work	Contact Rick Trujillo for details rstrux-rmi.net
Monday 7/8	Backup if needed.	
Tuesday 7/9	Backup if needed.	
Wednesday 7/10	Bear Creek Trailhead to Ouray	Start time TBD
	Ouray to Governor road	Whenever the urge occurs
	Silverton to Arrastra	
	Bear Creek to Silverton	
	Remaining road sections	
Thursday7/11	Open	
Friday 7/12	Strip course	Contact Betsy Kalmeyer, Falcons.14sf-gmail.com
Saturday 7/13	Strip course	for details.
Sunday 7/14	Strip course	

This Schedule Is Subject to Change

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.

<u>Alternate 2WD(?) from Telluride</u>. 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.

<u>Alternate 2WD from Lake City</u>. 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.

Attachment A

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

2013 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.

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 2013 course will start and finish at the Silverton High School in Silverton, Colorado and will be run in the counter clockwise direction. Most of the route will follow the 2011 course with minor exceptions. In contrast to the clockwise running this year, 2013, Chapman Gulch will 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 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 Uncompany 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.

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 counter clockwise Hardrock 100 altitude profile graph from 2008. It's the same for 2012 except that the Bridal Basin section is NOT included.

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. This table has been adjusted to reflect the two-mile length increase due to addition of the Bridal Veil section. Please note that absolute cut off times are always at least a minimum of one and a half hours longer than 48 hour pace. This cushion is provided primarily to allow for runners being held up by bad weather. There will be no absolute cut off times at Virginius Pass, Engineer, Burrows Park, Pole Creek, or Maggie Gulch.

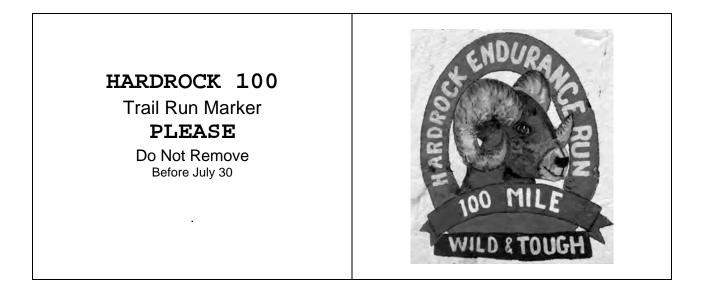
4. A mile by mile description of the course with mileage in brackets and the altitude (in feet). All mileage used was obtained by a combination of ground wheel measurements and map measurements and totals 102.5 miles. Accuracy of total mileage is estimated to be within +/- 2 miles. Cumulative vertical 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, I 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.

NOTE that this version of the course description includes a very brief summary of the Bridal Veil Basin section between Oscar's Pass and Telluride.

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



The color of the reflectors varies and may be blue lettering on a yellow background, black 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.

In 2013 we have added a limited aid station at Burrows Park. Including the Silverton start/finish, we plan to have fourteen 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 crew access. 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 Uncompany, 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.

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

USGS 7.5' QUADRANGLE MAPS

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, Uncompanyer 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 Cinnamon 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 ¹/₄ mile of cross country/game trail was necessary. This eliminated about ³/₄ 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 Uncompany 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.

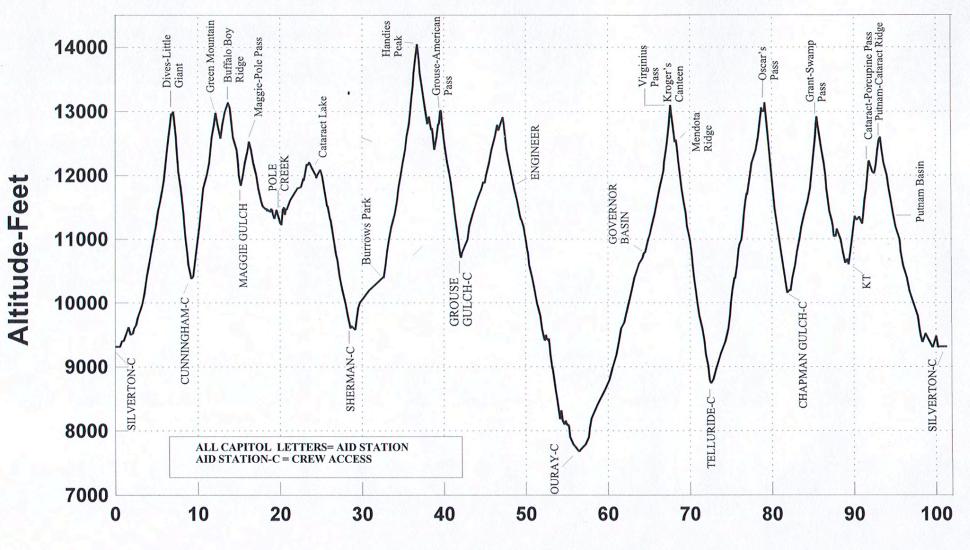
Because of the improved political climate associated with the Gold Hill Development Corporation land dispute in Bear Creek south of Telluride, the 2013 course will return to the Bear Creek/Wasatch Basin route abandoned after 2011. Other course changes may be necessary due to changes in land management 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 100.5 Mile Mountain Run 33,124 Feet of Climb



Counter Clockwise Miles

Version 20057.1 © John Cappis

2013 Counter Clockwise Hardrock Aid Station

Opening and Cut Off Times

	MILES	MILES	CLIMB	DESCENT	Avg Vert	OPEN	I 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	0.0	0.0	0	0	0	Friday	5:00 AM	6:00 AM	Friday	6:00 AM	Friday	6:00 AM
Cunningham Gulch*	9.3	9.2	3840	-2770	718	Friday	7:00 AM	8:00 AM	Friday	8:50 AM	Friday	10:45 AM
Maggie Gulch	15.4	6.1	3160	-1700	803	Friday	8:30 AM	9:30 AM	Friday	11:40 AM		None
Pole Creek	19.7	4.3	960	-1340	534	Friday	9:15 AM	10:15 AM	Friday	1:00 PM		None
Sherman*	28.8	9.1	1390	-3210	507	Friday	11:00 AM	12:00 PM	Friday	3:45 PM	Friday	8:15 PM
Grouse Gulch*	42.2	13.4	5258	-4188	704	Friday	2:15 PM	3:15 PM	Friday	9:55 PM	Saturday	2:30 AM
Engineer	48.7	6.5	2310	-1220	543	Friday	3:45 PM	4:45 PM	Saturday	1:50 AM		None
Ouray*	56.6	7.9	455	-4575	633	Friday	4:45 PM	5:45 PM	Saturday	5:10 AM	Saturday	9:00 AM
Governor Basin	64.5	7.9	3148	-48	404	Friday	6:15 PM	7:15 PM	Saturday	8:50 AM	Saturday	12:30 Noon
Virginius Pass	67.8	3.3	2320	0	717	Friday	7:15 PM	8:15 PM	Saturday	11:00 AM		None
Telluride*	72.8	5.0	40	-4390	881	Friday	8:15 PM	9:15 PM	Saturday	12:50 PM	Saturday	4:45 PM
Chapman Gulch*	82.1	9.3	4500	-3090	820	Friday	10:15 PM	11:15 PM	Saturday	6:40 PM	Saturday	9:30 PM
KT	89.1	7.0	2920	-2450	760	Saturday	2:30 AM	3:30 AM	Saturday	11:15 PM	Sunday	1:30 AM
Putnam Basin	94.7	5.6	2425	-1455	693	Saturday	3:30 AM	4:30 AM	Sunday	3:20 AM		None
Silverton-Finnish	100.5	5.9	324	-2614	501	Saturday	4:30 AM	5:30 AM	Sunday	6:00 AM	Sunday	6:00 AM

* Bag Drop/Crew Access

48 hour pace estimate is time into aid stations based on previous years' weighted average for those finishing over 47:30 hours. Leader arrival time estimate based on a 23:30 hour finish.

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	Sum	mary	of Ha	rdroo	ek 100	Legs	CCV	V	
	MILES	CLIMB	DESCENT	HWY	Auto Road	Jeep Road	Trails	X-Country	Avg Elev
Leg	Leg	Feet	Feet	Miles	Miles	Miles	Miles	Miles	Feet
Silverton-Sherman	28.65	9020	9350	0.0	0.8	3.5	20.1	4.3	11431
Sherman-Ouray	27.87	9943	7983	0.0	4.9	5.4	15.5	2.1	11081
Ouray-Telluride	16.16	4390	5460	0.1	5.1	5.2	5.3	0.4	10144
Telluride-Silverton	27.78	9609	10169	0.0	0.6	2.2	21.2	3.7	11042
Totals	100.5	33050	-33050	0.17	11.26	16.56	62.88	9.61	11019

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9900 Ma (W tran Gia	ad and within a tenth of a mile climb steeply up to main jeep road in Arrastra Gulch.
(W tran Gia	rrastra Gulch Road. (21RD) Take a hard right (SSE) for about fifty yards then angle left (E) at the intersection of the
tran Gia	layflower Mine Road. The road swings to the SSE and parallels the stream. After about 0.4 mi. make a hard left
Gia	VNW) at the intersection onto the Little Giant Basin Road. This road crisscrosses the path of the abandoned aerial anway that went to the Big Giant Mine. Near timberline the road levels in a meadow where the remains of the Big
	iant Mine and a small lake are on your right. The road climbs steeply through the slide rock, going around two
	vitchbacks as it proceeds in a generally SE direction on the way to the upper Little Giant Basin. When you see the
	maining buildings of the Little Giant Mine across the gully to the right, watch for the trail intersection leaving the
	ad to the left. The trail is a distinct line along the left (N) side of the valley.
	ittle Giant Trail Intersection. Turn left (SE) onto the trail. (If you stay on the road you will come to a lake and a dead
	nd.) This old mine trail is not maintained and there are many loose stones. In a heavy snow year, there may be several
	eep snowfields you will have to cross. Some years we have had to cut steps in the rock hard snow. Near the top of
Litt	ittle Giant Basin, the trail has been cut through the rock and there are metal rod supports holding the rock in place. As
you	ou climb up the basin head wall, the direction of the trail changes from SE to S. When you reach the top of the climb
	the head of the basin go south through a wide grassy meadow. Off to your left is an unnamed basin and directly in
	ont of you is Little Giant Peak. The trail toward Dives Basin is cut across the steep east face of Little Giant Peak. In
	w snow years, this wide trail in no challenge at all. However, in heavy snow years, there is extremely hard steep snow
	ice. For three of the runs, steps have been cut in the snow. About a hundred yards below the trail, the steep grass
	ope disappears over cliffs that are several hundred feet high. A slip here could be fatal. Exposure, acrophobia. IF THE
	NOW CONDITIONS WARRANT IT, THERE WILL BE A FIXED ROPE. (Note we have not yet had to use a rope
	ere.) iwy Liefe Ciant Dava, Climb #1. The high aciet is larged and a generative on the same side of Liefe Ciant Davb
	ives-Little Giant Pass. Climb #1. The high point is located on a narrow ridge on the east side of Little Giant Peak
	here you are suddenly looking into the upper end of Dives Basin. Continue straight ahead (S), leaving the built trail, and dropping straight down into upper Dives Basin. The animal trails used for this section are becoming well worn and
	asy to follow. At about the 12600' level, turn left (SE) on the built Dives Basin trail when you meet it again. Below
	but to the right is a large cavity in the bottom of Dives Basin where the Shenandoah mine has collapsed. Stay to the left
	to the runs of the Shenandoah Mine buildings. Cross the hanging wall and pick up the unmaintained trail that stays on
	e left (N) side of the Dives basin stream. Once below the headwall, you can see the Cunningham Gulch Aid station
	elow you. The trail switches back and forth going from a NNE to SSE direction, dropping rapidly toward Cunningham
	reek. As you descend, you can view the next climb up Green Mountain. The Green Mountain route goes between the
	iff bands, starting to the right (S) of the aid station, then climbs to the clump of evergreen trees you see just right and
	pove the prominent water fall fed by the Green Mountain stream. Now focus your attention back to the Dives side of
	unningham Gulch and continue down into the timber. Here the Dives trail may be overgrown with willows so watch
car	
	refully for it as it switches back several times. At the final switch back you are directly above the stock pens and
and	raight across from the Green Mountain Stream waterfall. Follow the trail south, cross the Dives Basin stream (SSE)
car stra	

FO. 03	
[9.2] 10380	CUNNINGHAM GULCH AID STATION/CREW ACCESS/DROP BAGS . Turn right (S) on good dirt road, [FR589, 4RD}, suitable for standard autos and go 0.2 miles. About 100 yards beyond the outhouse, turn left (E) and climb 0.3 miles steeply cross-country through a meadow in a shallow drainage. Watch carefully for the trail on your left (NE) at the base of the cliff. The large number of willows in this drainage makes it difficult to find the beginning of the very steep Green Mountain trail. For the next half mile the trail climbs between two bands of cliffs on a narrow shelf. Exposure, acrophobia . At one point on this shelf trial you have a nearly straight down view into the Cunningham Aid Station (about 600 vertical feet). Once through the cliffs, traverse the steep grass and flower covered slope, continuing up and NE toward the only stand of evergreen trees between you and the Green Mountain Waterfall. The built trail direction switches to the SE at the trees, switches back three or four times across the grassy slope, then ends abruptly at a mine site. Follow a game trail left of the mine ruin and climb toward end of the ridge top (ENE) between the Green Mountain Stream and Cunningham Gulch. The flow of the Green Mountain Stream abruptly goes from a NNW to a W direction below the end of ridge. When you reach the top, you will be looking 100 vertical feet down at Green
	Mountain Stream on the other side of the ridge.
[10.6] 11700	Green Mountain/Cunningham ridge. Make a hard right turn (SSE) on top of the ridge and do a little rock scrambling to get above a small rock out crop. Pick up a game trail that stays on top of the ridge and takes you through a stand of evergreen. After about a quarter mile, when the ridge drops into a saddle, angle slightly left onto a game/sheep trail that stays on the right (W) side of Green Mountain Stream. You may encounter a herd of sheep and their herding dogs in the Green Mountain Basin. The sheep may have flattened the trail markers. Go about three quarters of a mile (S) on the west side of the stream to about the 12000' level. Angle left, (E) on a secondary trail, cross the stream and climb cross country up the ridge (E). On your left is a very steep, rotten dirt gully. At about 12,600' gradually angle left (N) toward the normally snow filled saddle between the Green Mountain Stream Drainage and the Rio Grande Drainage. Skirt the corniced snowfield in the saddle to the left, then turn abruptly right (E) for about 40 yards to the low point in the saddle. You are going to go down the gully on left (N) side of the saddle. Looking down this gully you can see Stony Pass, the high point on the road (N) between Stony Gulch and the headwaters of the Rio Grande River.
[12.2] 12980	Green Mountain/Stony Pass ridge. (Climb #2) While crossing toward Stony Pass you get a good view of the next part of the route that traverses the S to SW side of Canby Peak. The trail begins on the very visible wide grassy shelf on the south side of Canby Peak. Go down the bottom of the gully (N) facing the Stony Pass road on either a snowfield or black dirt until the slope off peak 13165 flattens enough to allow you to leave the gully to the right (NE). Head toward Canby Mountain with Stony Pass visible between you and it. The route is a mixture of cross-country and faint animal trails crossing in and out of small drainages and slide rock fields. Your goal is to meet the road about 100 yards below the pass on the right (SE) side.
[12.8] 12580	Stony Pass. Cross the jeep road (CR-3) and angle to the right of a cliff face and very steep wash, climbing the grass- flower slope (NNE). Once you are above the top of the wash, turn left (NW) and locate the trail on the grassy shelf you observed from the Green Mountain Area. This built trail traverses all the way under Canby Peak going from a NW to NNE direction. The trail meets the ridge in the saddle NW of Canby peak at 13000'. To your left is Stony Gulch and on your right is Maggie Gulch. At the saddle turn left (NW) on the ridge top and climb across point 13214'. Turn around and take a look at the magnificent view of the Grenadier range and Weminuche Wilderness behind you.
[13.7] 13214	Buffalo Boy Ridge. Climb #3. Acrophobia, exposure. Find the continuation of the Canby trail just to the left (W) side of the ridge between Rocky Gulch and Maggie Gulch and go 0.2 miles to the next small saddle. A built trail that goes SE into Maggie Gulch intersects with the Buffalo Boy Ridge and the Canby Trail here. From this normally snow filled saddle between Rocky Gulch and Maggie Gulch, you will be able to see the Buffalos boy tram shed and mine in Rocky Gulch to your left. Your next move is to drop cross country into Maggie Gulch then follow a series of sheep trail and cross country routes to the Maggie Gulch aid station. Move right to where you are looking down in Maggie Gulch, normally at the intersection of the snowfield and a rock outcropping. The aid station is at the end of the Maggie Gulch road and is visible from this ridge. Cross the ridge at the rock out cropping and work your way steeply down and slightly right SE below the ridge (E). You are below and parallel to the built trail that goes SE into Maggie Gulch. The Maggie Gulch trail is usually buried under a large snowfield so you may not be able to see it. After about 100yards, switch back toward the left (NNE) across a high hanging meadow and look for a good sheep trail (assuming the snow has melted). Continue in the NNE direction for about 0.5 miles, dropping gradually so you cross under point 13090 when you are at an elevation of 12600°. Once you get into the drainage of the stream that comes out of the NNW, angle right and move down toward the stream. Watch for a series of white plastic pipes and when you reach them, get on the sheep trail and cross the stream. Climb toward the low ridge, N about 50 yards, to the site of a sheepherder camp. The remains of a crude wooden floor and a set of rusted bedsprings mark this spot. Continue N about 50 yards beyond the ruins into the first shallow drainage, and turn right (SSE), and follow the trail across the side stream, then E to the main fork of the Maggie Stream. Wade the Maggie Gulch stream,

	2013 COUNTER CLOCKWISE COURSE DESCRIPTION
[15.3]	MAGGIE GULCH AID STATION. Tank up, cheer up, start up. This aid station is located at the end of the road in
11840	Maggie Gulch. Where the trail enters the road there is a cable drum and just to the left are the remains of a well-
	preserved stamp mill, relics of the Intersection Mill and Mine. Take the good trail at the right (E) edge of the parking
	area. After about 200 yards, when the trail starts to swing toward the south, go directly up hill (E), crossing a small side
	stream for about 300 yards where you meet the Continental Divide Trail. (The Continental Divide trail has been
	rerouted across here in the last few years and is not shown as such on either the USGS topo map or the Drake Map.)
	Turn left (N on the Continental Divide Trail and climb up it as it swings around to the E and meets the La Garita Stock
	trail just to the right of the stream in the E-W drainage you have entered. (This is between the N and E in Continental
	(Divide) on the Drake Map.) Turn right (SE) on the now combined LaGarita Stock/Continental Divide/TR918/TR787
	Trail and climb to the low point in the ridge, Maggie Pole Pass.
16.3]	Maggie-Pole Creek Pass. Climb #4. Continental Divide. Snowfields. Continue ESE on the La Garita/Continental
12530	Divide Trail, heading toward Greenhalgh Mountain, the rounded peak on the right hand (S) ridge of the West Fork of
	Pole Creek. As you descend, cross multiple small streams that make up the headwaters of the West Fork of Pole Creek.
	These waters will become part of the Rio Grande River, eventually draining into the Gulf of Mexico. There are many
	low willows in this area and the trail is the only easy access through them. Just past the final small tributary you cross at
	about 11750, the direction of travel changes from SE to E.
[17.9]	Sheep Creek. This stream comes from the south off of Sheep Mountain. Cross Sheep Creek into a large meadow where
11520	the trail becomes faint for about a half mile. 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 meadow. Go to the wooden pole trail
	marker on the right edge of the meadow then angle left (ENE] toward the West Fork of Pole Creek. The trail becomes
	easier to see as you approach a swampy, very muddy section that takes you through the willows. Wade the stream,
	move up hill out of the swampy stream bottom and find the trail. For the next 1.9 miles there is only a net loss of 80
	feet in altitude, but there are a series of short ups and downs as you parallel the stream on the treeless, grassy hillside.
	The West Fork stream is dropping faster than the trail so you are gradually getting further away from the stream. As
	you come down to where you can see left into the main fork of Pole creek you will be on a large bench (near the end
	of the word divide on your Drake map). Stay some 50 yards to right (S) of the small lake and go to the aid station.
	(The map shows the trail going to the left (N) side of the lake but it is actually on the right (S) side.)
[19.6]	POLE CREEK AID STATION. Minimal aid station. Everything has been packed into here on horses. From the aid
11460	station, angle left (NNE) on a reasonable trail. Just past the first gully coming down from your left, the trail turns
	sharply right (E) and drops steeply down to a willow covered bench. You have now crossed out of the West Fork of
	Pole Creek into the North Fork of Pole Creek. Across the valley (NE), you can look straight up the Main Fork of Pole
	Creek, your next objective. Work your way through the brush on the bench to a good trail and turn left (NNW), and go
	upstream on the left side of Pole Creek.
[20.2]	Wade North Fork of Pole Creek just above its confluence with the Main Fork. Continue straight ahead (NE), crossing
11230	the North Fork Trail. The Main Fork Trail has multiple names including the Continental Divide Trail, the Colorado
	Trail, TR 787 and TR 1776. You start out on the left of the Main Fork of Pole Creek and cross (wade) it twice on the
	way up the canyon. You will pass a series of small ponds, mostly on your right and cross several small streams coming
	from the left.
[22.1]	About 1.9 miles up the Main Fork of Pole Creek you are going to leave the main trail. You enter a huge meadow with
11810	one fork of the stream coming straight at you from the north and the main stream off to your right, coming out of the
	NE. The Colorado Trail swings almost due east, crosses the stream from the north, and follows the NE fork. (This is at
	the bottom of the first E in Telluride on the title page of the Drake map.) Staying well to the left of the north fork
	stream, leave the trail and follow a game trail (N) on the left (W) hillside just above the flat, very swampy area in the
	bottom of the attractive looking meadow. Gradually climb 30 to 50 yards above the meadow edge and stream. Climb
	onto a small bench where there are several small water holes and lots of willows. When the stream direction changes so
	it is coming directly from the left (W), continue straight ahead [N], and cross the stream. Your goal is a saddle that at
	the 1 o'clock position. Continue N on a faint but findable trail and work your way moderately steeply up through the
	willows. Part way up this climb you go left of a slide rock covered point. Continue to work your way up through the
	willows until you meet a good trail that runs east/west. Turn right (E) on the east/west trail and maintain your altitude
	into the saddle. (On your Drake map, the route just described is roughly between the T and E in Telluride on the title
	page.) (In 2006, there were multiple ribbons, flag markers in this area for a study to reroute the Continental Divide
	Trail. From where you meet the trail to Cataract Pole Pass, these ribbons were on the course we use, but on the N end
	of the lake they turn N. Do not get distracted by them.)
[23.5]	Cataract-Pole Pass. Pass #5. Continental Divide. Located directly on top of this pass is a small lake. You decide which
12200	ocean the water leaving it goes to. You now cross back to the western slope. As you look down Cataract Gulch (N) the
	pyramid shape of Sunshine Peak (14,001') fills the end of the valley. Your goal is to get to the base of Sunshine Peak at
	the ghost town site of Sherman. Cross to the right (E) side of the continental divide lake and go left (N) on trail, TR
	475. As you drop into the Cataract drainage, off to your right across a basin filled with willows is Cataract Lake. Stay
L	

	on the trail on the left (W) side of the canyon for about a half a mile until you have gone past Cataract Lake. When you
	see a small pond to your left, begin to angle right (NNE) cross-country toward the Cataract stream. Cross the stream at
	about the 12,000' level and find the trail on the right (E) side of the canyon and continue N on it. From here on this trail
	rapidly improves so it will not be heavily marked. In addition, there have been problems with people pulling markers
	on this trail. You may see very few or possibly no markers to Sherman. For the next 0.7 miles the trail contours
	gradually around the hillside, staying above and to the right (E) of the trail shown on the Pole Creek Mountain USGS
	map, and then it turns back to meet Cataract Creek at about 11,600'. From here to Sherman you will have to wade the
	stream four times going down Cataract Gulch. In past years, there has been a build up of very slick algae at the crossing
	just above the waterfall so be extra careful if you have to wade the stream at this crossing. (In 2006 there were trees
	across the stream above the falls, so the crossing could be made dry.) When you get down to the 10,400 level the trail
	leaves the stream and works its way out onto the north facing slope of the Cottonwood Creek drainage. After a series of
	long switchbacks you are dumped into the bottom of the canyon where you cross a side branch of Cottonwood Creek
	on a log or by wading and the main branch on the steel bridge. Just beyond the steel bridge is the aid station.
[28.7]	SHERMAN AID STATION, CREW ACCESS, BAG DROP. Station is located near the BLM provided rest rooms
9640	located at the Cataract Gulch trailhead. Turn right on county road 18X (E) down canyon and go about 1/2 mile to the
	bridge over the East Fork of the Gunnison River. About 40 yards beyond the bridge, leave the road to the left (N)
	watching for faint trail up the bank to an old mill site. For the next quarter mile, the route may be difficult to follow but
	the general direction is up and north. Cross to the right (E) of the stone wall at the mill site. About 20 yards from the
	wall, when you meet a long abandoned wagon road coming in from the east, angle left (NE) on a game trail. When you
	meet another abandoned road, turn left on it (NNW) up to a switch back. Leave the road, continuing up (NNE) on a
	series of game trails. You will come out of the trees in a grassy meadow near the Sherman Overlook scenic sign. Go to
	the sign and follow the wide trail to the Cinnamon pass road. (<i>This short cut crossing from the Cottonwod Creek Road</i>
	to the Cinammon Pass Road is possible because of the generous permission of a private land owner to cross his land
	here.)
[29.5]	Cinnamon Pass Road. 4RD Turn hard left (NW) and stay on this road for the next 3.1 miles. Road is negotiable by
[29.3] 9925	
9923	standard road cars and there is a lot of vehicular traffic. Enter the West Fork of the Gunnison gorge and wonder at the
	engineering that was required to establish this narrow shelf road high above the river. You only gain about 400' of
	altitude on this road. There will be very few or no markers on this section.
(32.6)	Burrows Park. There will be a water cache here. On your left are BLM restrooms and to your right is a large
10410	parking/camping area where peak baggers going after Sunlight, Redcloud, and Handies Peaks begin their climbs. Visit
	http://www.co.blm.gov/gra/gra-grizzly.htm#loco for the BLM description of the route up Grizzly Gulch to Handies
	Peak. Just beyond the restrooms, turn left (SW) on the well signed Grizzly Gulch Trail- Handies Peak Trail. Cross the
	Lake Fork of the Gunnison on a steel bridge and follow the good trail up the right NW side of Grizzly Gulch through
	the mixed conifer and aspen forest. (SSW)
[34.4]	Timberline. If there is not much snow, the route to the summit of Handies is simply to follow the trail. The following is
11820	probably only of interest if the trail is snow covered. From timberline stay straight ahead (SSW) and cross the Grizzly
	gulch stream and follow the cairns. You are looking directly at the east face of Handies Peak. Your target is the saddle
	to the right of the on the Handies Peak-Whitecross Mountain ridge. At about 12,000' cross back to the right side of the
	stream go NNE away from the stream toward Whitecross Mountain. At about 12500' the route switches back toward
	Handies on a wide ramp. Work your way up this ramp and pick a line up the snowfields to the saddle between Handies
	Peak and Whitcross Mountain. Turn left (S) on the ridge toward Handies peak and climb the steep, loose dirt trail above
	the saddle. If traveling with one or more runners, be careful to not kick rocks down on those below you. Once above the
	steep section, it is a mild, short scamper to the rounded summit of Handies Peak.
[36.8]	Handies Peak. Pass #6, highest point on the course. Snow fields, altitude sickness, fantastic views. The ridge of the
14048	peak runs north south. Stand with your face to the south [the direction you have been going] and look right (W) across
14040	American Basin. The low saddle you see on the ridge across the basin is American-Grouse Pass, your next goal. Go
	straight ahead and follow the good climbers trail (S) just to the right (W) of the ridge between Boulder Gulch and
	American Basin. At the saddle (13,480) angle right (W) on the very well built trail (BLM and CFI) that switches back
	several times across the west side of the peak. Your next target is Sloan lake, a deep blue jewel (or ice skating rink) you
	see sitting in the upper end of American Basin. Once you get off the smooth grass slopes and start into a large rocky
	cirque stay on the trail going straight south toward Sloan Lake. If the trail is snow covered, be aware that you will drop
	to slightly below the lake level then climb back up to the ridge as you go toward Sloan Lake. (There is no trail shown
	on the Handies Peak 7.5 minute quadrangle map.) At the cirque is a sign asking all foot traffic to use the trail. Please,
	for the sake of the land and our ability to obtain a permit for this run in the future, stay on the trail to Sloan Lake. There
	may be some mechanism for us to verify you have indeed followed the route to Sloan Lake.

 [38.2] Sloan Lake, Just before reaching Sloan Lake (it is off to your left) cross a saddle and turn right (N) on a series of steep tight switchbacks to quickly loose 200 vertical feet into a flat area. Turn left (W) and follow the god trail across a series of side stream coming from the left. You are working your way toward the upper reaches of Lake Fork of the Gunnison in American Basin. (Yes, the same Lake Fork you followed up from Sherman and crossed at Burrows Park.) As you approach the Lake Fork Stream, the direction of the trail changes from WNW to almost due North paralleling the West Fork. This direction change occurs at the top of steep pitch and the trail makes a switchback. About 30 yards below the switch back when the grade allows easy access, leave the main trail to the left (W) and head for the Lake Fork of the Gunnison on what appears to be an abandoned road. You want to cross Gulch saddle. (38.9) A mericana Basin-Grouse Gulch Trail. Cross the Lake Fork of the Gunnison River and begin to climb the west side of the basin on a trail that stays close to the base of the lower cliffs, going WNW. There will probably be much snow in here so the trails it difficult to find. Use the cliff band as a guide and contour around the hillside at the bottom of them. Once around the first set of cliffs, trail is intermittent but the route is NW with a rapid rate of climb, crossing several streams across the high open basin to the saddle. (Remember the saddle you carefully observed from the top of Handies? Go for it.) [39.6] American Grouse Pass, Pass #7. Snow fields. Look back at Handies Peak and approciate where you have been. Angle left (SW) away from what appears to be the trail, and just across the pas get on the Grouse Gulch Trail going SE into the shower on abandoned road and continue downhill (W). You will break out of Grouse Gulch stream. Turn right into the adi station When you leave the Grouse Gulch, Just say or eight switchbacks. Turn left (S at the Engineer Pass,	eks to quickly loose 200 vertical feet into a flat area. Turn left (W) and follow the good trail across a tream coming from the left. You are working your way toward the upper reaches of Lake Fork of the merican Basin. (Yes, the same Lake Fork you followed up from Sherman and crossed at Burrows Park.) ch the Lake Fork Stream, the direction of the trail changes from WNW to almost due North paralleling This direction change occurs at the top of steep pitch and the trail makes a switchback. About 30 yards ch back when the grade allows easy access, leave the main trail to the left (W) and head for the Lake nnison on what appears to be an abandoned road. You want to cross the Lake Fork of the Gunnison at
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buck where a road interseets from the east at about 12000. The next section of road is carved along the west fact of	
Engineer Mountain (W to N) and the drop off to your left is spectacular. Along this traverse, the road goes down hill for	
about a tenth of a mile before beginning the final climb to the Oh Point Road.	
[47.2] Oh Point Road-Engineer Mountain. Climb #8. At the high point, watch carefully for the road coming steeply up the	
12910 ridge from the left. Turn left on the Oh Point Road (W). Here the Engineer Pass road curves around (NE) Engineer	
Mountain and then drops to Engineer Pass. You do not want to go to Engineer Pass!! The Oh Point is a popular place for ican tours and got its name from the many evaluations "Oh" look at the view. You only stay on the steep down	
for jeep tours and got its name from the many exclamations "Oh" look at the view. You only stay on the steep down hill read to Oh Boint for about 25 words before making a share turn right (N) and going steeply errors country down the	
hill road to Oh Point for about 25 yards before making a sharp turn right (N) and going steeply cross-country down the group (nound steep and stee	
grassy/snowy slope. You are in grassy open meadows from here to the Engineer Aid Station. The headwaters of the	
Ouray Bear Creek originate in the basin in front of you and, with one short excursion to the left bank, you are going to	
stay on the right side of its valley for its entire length- from its headwaters to its merging with the Uncompany river.	
As the slope begins to level you will come to three mine dumps. There you will meet Trail 242 coming in from your	
right off the top of Engineer Pass. Turn left on Trail 242 immediately cross a small stream and follow the trail NNW	
continue down valley (NNW). Near timberline, 11900', cross a small side stream and watch for a grey mine dump in	side of the valley. You will cross several streams draining off Engineer Pass and peak 13260 as you
the meadow to your left. Just past this dump, turn left (WNW) off the trail crossing to the right and above the dump.	side of the valley. You will cross several streams draining off Engineer Pass and peak 13260 as you valley (NNW). Near timberline, 11900', cross a small side stream and watch for a grey mine dump in

 and follow it to the aid station. Head Expected Mineston Minimum aid station. Everything here has been backpacked. The trail at this point is extremely good. Continue on down the trail (NNW), Cross Bear Creek (wade), to the 'yalle') bottom here was covered with a huge snowfield. In hidre years it has been snow free. If there is no snow, just go down valley on the trail on the right is do f the stream. If there is a snow field. Stating and the was and the card of the snow away from where the water is maning underneath but making sure you are on the right side of the stream at the card of the snow field. Continue on the trail to a fors service sign pointing toward Engineer Pass that is in the middle of an abandored road. Coatinae down the road (NNW), on the right side of Bear Creek and wade stream coming from right. There are some bandoned chains from the Yellow Aleckt Mine. Due you left. Yellow Jackt Mine. Bear Creek National Recreation Trail, acrophobia, exposure, TR 241, starts just by shord the buildings where Bear Creek takes a sharp swing to the left [W]. Once on this trail you cart enssity deliberately get off. It is in a very narrow steep canyon. The shandoned chains gaine ar prevalent on the rocks and hey are usually very fick. A sy oug od own the trail, there are dramatic drops of 300-400 fect to your left. The trail breaks out of the Ours Post. A sy oug so down the trail, there are dramatic drops of 300-400 fect to your left. The trail breaks out the Orbid year status and the stream status as a sharp or post. The trail of these streams coming in the road disappears in a pile a rock, turn left (NNW) out rail a quart of the Nure A you have probably guessed by now, you are going to drop down on a series of switchbacks (13 of them) as the trail descends. [53.8] Highway 550 tunnel. (10 KW) and work your way down hill on a marginal trail about 50 yards to the remains of original to low at blay way stream on the relating the stream stating a stare and the sa		
 [48.6] Engineer Ail Mation. Minimum aid station. Everything here has been backpacked. The trail at this point is extremely 11800 god. Comtinue on down the trail (NNW), Cross Bear Creek (wold, you ic kw hundred yards on the left (W) side then cross back (wode) to the right (E) side. The first two years of this run, the valley bottom here was covered with a huge sowerled/snow side (and lar ery cass it has been sower free. If there is no snow, just go down valley on the trail on the right side of the stream. If there is a snowfield, continue down the stream bottom on the snow, trying to stay on the side of the snow away from where the water is running underneath but making sure you are on the right side of the stream. If there is a snowfield, Continue forom the trail to a forost service sign pointing toward Engineer Pass that is in the middle of an abandoned road. Continue forom the trail Acatek Mine on your left. [49.9] Yellow Jacket Mine. Bear Creek National Recreation Trail, acrophobia, exposure, TR 241, starts just beyond the Yellow Jacket Mine or Creek kates a sharp swing to the left [W]. Once or cors several streams coming in from the right. Be careful at these stream crossings as algae are prevalent on the rocks and they are asually very slick. As you go down the trail, there are dimensitic drops of 300-400 (cct to your left. The trail at hous 300 of the Onrop Near Creek into the Uncompahgre Gorge at about 9200 feet, nearly a thousand feet above the River. As you have probably guessed by now, you are going to drop down on a serier (S1.03 of them) as the trail descends. [53.8] Highway 550 tunnel. The trail crosses the highway on top of the tunnel then swings down to the left (W) on the Agarter on a meaning train about. 50 yard to the remains of original toll road built by Otto Mears. Turn right (N) and follow the trail a quarter of a mile. At wooden post and just Efort ther out disappears in a pill is a varning sign for botters stating "Dam Agarter in the remains and yo		Continue downward across the meadow, cross another small stream and watch for a decent trail leading to your right
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 the end of the snowfield. Continue down the road (NNW), on the right side of Bear Creek and wade stream coming from right. There are some abandoned cabins from the Yellow Jacket Mine on your feft. [49.9] Yellow Jacket Mine. Bear Creek National Recreation Trail, acrophobia, exposure, TR 241, starts just beyond the buildings where Bear Creek takes a sharp swing to the left [W]. One on this trail you can't easily deliberately get off. It is in a very narrow steep caryon. The abandoned building next to the trail about a mile and a half down from the Yellow Jacket Were part of the Grizzly Bear mine operation. You will have to wade or cross several streams coming in from the right. Be careful at these stream crossings as algae are prevalent on the croks and they are usually very slick. As you go down the trail, there are dramatic drops of 300-400 (fect to your left. The trail breaks out of the Coras Bear Creek into the Uncompahper Gorge at about 9200 feet, nearly a thousand feet above the River. As you have probably guessed by now, you are going to drop down on a scircs of switchbacks (13 of them) as the trail descends. [55.8] Highway 550 tunnel. The trail crosses the highway on top of the tunnel then swings down to the highway on the left (S) or diginal toll about 50 yards. As soon as you go under the oposite bank is a warning sign for baares stating "Dam Ahead". Angle right (N) on the river laim, staying close to the steep riverbank. After about 100 yards, pick up a gume trail some 125 yards to the Cumpahper Dam service road. Turm right (N) and yords vards to the Care Art. Tail. In the past Ge wy cars, there has been a stack of old mattresses on the left (W). Da on turn left (WSW) as in previous years on the branch of Lee Park Trail that crosses the Uncomphagre River. Instead continue straing halead on the road and through the Box Canyoo Park. Follow the road and through the Box Canyoo Park. Follow across the bridge over the Uncomphagre River. Angle right (N) and yo 30 y		right side of the stream. If there is a snowfield, continue down the stream bottom on the snow, trying to stay on the side
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road goes from a w to in w direction. At the next signed intersection, take the left [NW] road toward Governor Basin.		road goes from a W to NW direction. At the next signed intersection, take the left [NW] road toward Governor Basin.

[71.6]	At the well signed Jub Wiebe trail intersection, continue straight (S) ahead on the road/trail. Coming down the Liberty
9600	Bell road toward the reservoir, there are several places you can overlook the town. The canyon directly across from you
	(S) is the Telluride Bear Creek, the next leg on your trip. Between you and Telluride Bear Creek is the town park.
	There is a large white permanent canopy in the park that marks the aid station location. Pass to the left of the covered
	reservoir on a switchback and follow the road onto the south facing of the San Miguel River canyon, going (E) away
	from Cornet Creek. Go around the pipe gate and onto the Tomboy Road (FR 869). Turn left, (E) and go up hill on the
	Tomboy road for about 40 yards, angle right on a road (some new houses are being constructed in this area so the road
	may be gated), go along this road about 10 yards and turn right (S) onto a well used trail that makes a quick switchback
	down canyon (W). After only a short distance, at the next trail intersection, turn left (S) and drop steeply to where the
	trail merges into a driveway. Continue straight, crossing Galena Street and merge onto Alder Street. Follow Alder to
	the intersection with Colorado Avenue, cross Colorado avenue (remember you are still heading for the white canopy)
	take a dirt track about twenty yards to the bike path, turn right onto the bike path, for about 30 yards to the pedestrian
	bridge across the San Miguel River, turn left, cross the bridge and follow the paved path to the aid station.
[72.7]	Elev. 8750 TELLURIDE AID STATION, CREW ACCESS, BAG DROP.
8750	Leave the aid station heading toward the soccer fields and stage (S). Get on the trail just to the right (W) of the stage
	area where the park meets the trees. Climb for about 100 yards (WSW), always staying on the left fork of the trail, to
	the Telluride Bear Creek Road, FR 635 (closed to vehicles and classified as a trail for this run). Make a hard left (ESE)
	on this road and follow it into the Telluride Bear Creek drainage. As you move into the canyon, the road direction
	becomes almost due S and stays on the right side of Bear Creek. Stay right at the only intersection about 2 miles up
	from the aid station.
[74.0]	
[74.9]	Wasatch Trail. Turn right [W] on trail, TR 508. [Forest service sign]. Trail climbs steeply with switch backs then turns
9680	S and continues high above and to the right of Bear Creek. Cross a footbridge through the cliffs just before the Nellie
	Mine. Between the Nellie and the bridge, a side stream and the trail use the same route to get across the steep rock face.
	(Acrophobia.)
[76.1]	Nellie Mine. Ruins are on your right. Beyond the mine, there are normally the frozen remains of a snow slide. Cross
10840	this snowfield on the same line you have been following on the trail, or if it is dry, just follow the trail. At the far edge
10040	
	of the snowfield, take the left fork, TR 513 (Forest Service Signs). You are aiming for the confluence of the main fork
	and the east forks of Bear Creek. Go just above the stream intersection and cross the main stream of Bear Creek. Stay
	on the flat between the Main Fork and East Fork angling upstream on an intermittent trail toward the East Fork.
	Normally, the valley of the East Fork drainage directly in front of you is completely full of snow and the trail to the left
	of the snow is covered and can't be found. In heavy snow years, the route goes directly up the rock hard snowfield
	directly over the East Fork of Bear Creek. After about 0.15 miles, when the snow slope levels off, the drainage ahead
	narrows to a slot, and there is a small waterfall directly to your left, go left off the snowfield and climb steeply to the
	East Fork trail. In very dry years when the snowfield does not fill the East Bear Creek valley (2006 was one of these
	years) stay on the trail, climbing up the East Fork parallel to the stream. Where the valley narrows, the trail make a
	switchback (NE)l passes under the waterfall (in a heavy run off year this can mean an unplanned cold shower) then
	switches back multiple times as it steeply climbs about 300 vertical feet on the face of the mountain to get above the
	East Fork. At about 11400 the trail begins an up canyon traverse across the face of the East Fork [SE] drainage
	(acrophobia). The elevation of the stream rises rapidly until trail and stream meet at the intersection of the East Fork
	and Wasatch trails.
[77.3]	Turn left [N], on Wasatch Trail FR 508, at the forest service trail markers and climb through several switchbacks up the
11990	Wasatch Mountain Face. After climbing about 200 vertical feet in an ESE direction, the trail switches back onto a SE
	line parallel to the East Fork Stream. Again the stream elevation rises rapidly and you will meet it again in a huge, often
	flower filled, meadow (wheelbarrow flats). Cross the stream as you enter the meadow and follow the trail up the right
	side of the stream. You may have to cross the remains of several snow slides across here and one year the entire
	meadow was under about eighteen inches of slushy snow. At the upper end of the meadow, the stream narrows to a
	sharp V and the trail says to the right climbing through some steep rocks. Continue SE and cross East Fork stream. Up
	to here, the general direction of flow of the East Fork has been NW, but here in the upper basin the flow is almost due
	N. You want to continue on a line becoming due east to the Wasatch Saddle. The trail from the crossing of the East
	5
	Fork stream to the Wasatch saddle is well marked with cairns as it climbs through multiple switchbacks across the
	flower or snow cover hillside. If the basin is full of snow, when you come out of wheelbarrow flats, take a bearing on
	the low point in the ridge directly (ESE) ahead of you and climb to it across the snow.
[78.8]	Wasatch Saddle. Cornice. Go straight across the pass until you have a good view of upper Bridal Veil Basin. Your next
13060	target is Oscars pass, the low point on the ridge to the right at about a 60 degree angle. Work your way off the cornice,
2000	angling slightly right [SE] and down across the snowfield into Bridal Veil Basin. The amount you can angle is snow
	dependent and you may have to go almost due east to get into the basin. When the slope levels enough to allow a turn
	directly toward Oscar's pass, turn right (S) and go to the Oscar's Pass jeep road (closed to vehicles, classified as trail
	for this run). The road normally is snow covered but you can usually see outline of the road across the snow. As the

	road approaches the pass its direction swings left (E) and there is normally a large, icy snowfield with a cornice you
	have to traverse up to Oscar's Pass. If conditions warrant, there will be a fixed rope here. (To date we have not had to
	use a rope here, but have had to cut steps.)
[79.2]	Oscars Pass. Pass #10. Acrophobia, exposure, cornice. Look straight across from you as you across the pass. You are
13140	looking into Swamp Canyon and the saddle at the head of it is Swamp-Grant Pass, the next climb. On the right side of
	Swamp Canyon you will see two waterfalls coming off the side of U.S. Grant Peak Peak. You will cross the bench
	below them. From the top of Oscar's Pass, follow the remains of the steep jeep road with multiple switchbacks on a
	line parallel to Chapman Gulch (to the left) down [S] to the Ophir Pass road. Between the pass and the first switch back
	there may be the remains of a snow slide across the road. To get across here, there may be a fixed rope and/or steps cut
	in the snow. (To date, cutting steps has been sufficient). Three switchbacks down, this same snow slide crosses the road
	again and if necessary there will be a fixed rope and/or steps cut here. Stay to the left at the intersection after passing
	the locked pipe gate in the trees. The forest service has installed a locked green gate near the bottom of the Oscar's Pass
	road. Just work your way around the gate and continue down the road through the willows. When the Oscars' Pass
	road merges with the Ophir Pass road, FR 679, continue straight ahead (W) down hill 0.3 mi to Iron Springs.
[82.0]	Iron Springs/Swamp Canyon Road. This one time mining site is characterized by some very red iron oxide mine
10160	dumps, most of them below the road. Take a hard left (105 degree turn), (SE), on the Swamp Canyon jeep road. In
	places is also the streambed for the Chapman Gulch stream. The forest service as put a green gate across this road to
	restrict vehicle access. Work your way around the gate and continue up the road. The aid station is located at the next
	road intersection near some power poles.
[82.4]	CHAPMAN GULCH AID STATION, CREW ACCESS, DROP BAGS.
10190	Leave the aid station and go directly (10 yards) to the main stream of the Howard Fork of the San Miguel river, cross
	the stream, on logs or by wading and head south into Swamp Canyon on jeep road (Closed to vehicles and classified as
	a trails for this run). After 0.5 miles, turn right [WSW] off road onto trail. Watch carefully for this turn off. It is on a
	level spot in the fir and spruce. (If you find yourself getting into willows and nearing the water in Swamp Canyon, you
	missed the trail turn off. Go back and find it.) After a few switchbacks the trail climbs (SSE) through a high meadow
	and works its way through some skunk cabbage to a high bench. There are relics, including a wood stove, of a
	sheepherder's camp. This bench is located on the north side of a side stream running into Swamp canyon from the west.
	Cross side stream and follow a sporadic trail into the slide rock. You are going to pass under the north face of U. S.
	Grant peak going is a SSE direction. When you break out of the slide rock, you are on a grassy bench (11,150') that has
	an intermittent trail across it. Cross the stream that comes out of the basin between U.S. Grant and the unnamed 13528
	peak. You will now have a close up view of the spectacular waterfalls you could see from Oscar's pass. Stay on the
	bench (SE) until you are almost back to the main drainage of Swamp Creek. Angle right [S], following the remains of
	the trail as it goes into and out of rock glaciers. The route is generally climbing up a small ridge that splits the basin.
	Keep a small valley on either side of you as you approach the final pitch to Grant-Swamp Pass. Be very careful in this
	area, these rock piles can be leg breakers. The final climb is about 1/4 mile very steeply up loose scree. It is small rock
	and dirt that will slide back down the hill with each step you take. Aim for the low point on the left side of the saddle.
	Acrophobia. You will use a lot of energy here so take it easy. The top 300' may have a fixed rope depending on snow.
	(Only had a rope once so far.)(Some local mountaineers cut steps up the snow to help the runners in 2005. No
	guarantee it will happen again.)
[85.6]	Grant-Swamp Pass. Acrophobia. Exposure. Pass #11. You are looking into the Ice Lake drainage with multiple basins.
12920	You are going to descend Island Lake Basin. Behind you is a spectacular view of Swamp Canyon and Oscar's pass.
12720	The saddle will probably be full of snow on both side of the pass. Go to the right (W) on the ridge top for about 100
	yards, pass the Joel Zucker memorial plate mounted on the face of a rock to your left, then start angling down (SW)
	through the scree. After dropping about 50 vertical feet onto the south side of the pass, switchback left (SSE) on some
	faint animal trails through the slide rock-scree mixture. Traverse all the way across the slope above Island Lake loosing
10 4 22	altitude rapidly. You are aiming for the ridge to the left [E] side of Island Lake.
[86.2]	Island Lake Ridge. Island Lake is to the right and below you. Follow this ridge down (S) until you are in a saddle about
12400	even with the Island in the lake. Turn left (SE) and drop into the drainage that flows in a SE direction. There is a trail
	along the left side of this drainage. The trail switches to the right side of the stream and takes you down to a mine dump
	that still has metal track on it. Go left below the tracks, cross to the left side of the stream, then within fifty yards angle
	hard right down the drainage. You are on the original Island Lake trail that you follow to its intersection with the Ice
	Lake trail. The general direction of travel is south, but you will be going around multiple switchbacks as you drop down
	the steep south facing slopes of Lower Ice Lake basin.
[87.4]	Ice Lake Trail, FS 505. Turn left [SE] and go 0.2 miles. The next turn, off the trail onto the Kamm traverse, is difficult
11290	to find and is cross-country. Stay on the Ice Lake trail until you have gone approximately 150 yards past a huge
	conglomerate rock on your left at a switch back. The Ice Lake trail is going south and down on a side hill. When the
	hillside to your right becomes almost perpendicular instead of parallel to you, turn right [W] off the Ice Lake Trail onto
	a well-worn animal trail.
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[87.6]	Kamm Traverse. From here to the KT aid station is the Kamm Traverse, named in honor of Ulrich Kamm who
11160	suggested using this route based on some hundred year old maps he obtained after the 1993 run. Follow the well-worn
	animal trail steeply down (S) to the Ice Lake Stream. The trail puts you at the lower end of a flat bottomed bowl
	between two small water falls.
[07 7]	
[87.7]	Ice Lake Stream. At the lower end of the bowl, there is normally a bunch of big trees hung up on the rocks in the
11040	stream. Cross the stream, either by wading or working your way across on the logs. {In 2005, the bowl was filled with
	avalanche debris. One runner, who was scouting the route, was badly injured when a tree he was sitting on over the
	stream shifted suddenly due to snow melt and his weight. The route for that year was adjusted to go above the waterfall
	on the upper end of the bowl (right). It that is necessary, there will be a fixed rope. { Climb up the hill on the south
	side of the stream for about 50 feet then turn left (SE) and follow trail about 0.4 miles along a boggy bench and through
	the trees, paralleling the Ice Lake Stream that is rapidly loosing elevation on your left. When the Ice Lake drainage
	abruptly ends, the trail turns (S) onto the face of the South Mineral Creek drainage some 1200 vertical feet above the
	South Mineral Campground. Exposure, Acrophobia. In about 0.2 miles, this very narrow game trail merges into a track
	left over from an abandoned jeep road at a mine site. Follow this track (SW) to the KT aid station that is located at the
	intersection of the KT trail with the Bandora Mine Road.
[89.0]	KT AID STATION.
10630	Turn right [SW] on the Bandora Mine road (FS-585) and go up hill about 0.2 miles. Turn left (SSE), just before an old
10050	
	abandoned road intersection blocked off with rocks. Go down the grass slope, aiming for the red colored bare area with
	water running down it on the far side of the South Fork of Mineral Creek. Wade the South Fork of Mineral Creek and
	go up the red bare area into the willows. {High water in 2005 made this a very dangerous crossing. Many of the runners
	chose to go across here in groups and link arms for stability.} Pick up the trail at the top of the red wash and work your
	way slightly right (SE) through the willows toward the tall timber on the far side of the meadow. Just into the timber
	you will merge with the Porcupine Gulch trail. Turn left (SE) on this trail, which climbs steeply through a series of
	switchbacks up under the west ridge of the northeast peak of the Twin Sisters.
[90.2]	The trail turns abruptly left (NE) and traverses between the west ridge and north ridge of the NE Twin Sisters peak
11360	actually loosing a bit of altitude along the bench. After crossing the north ridge, the trail turns due east and drops into
11500	
	the Porcupine Creek drainage. Cross several tributaries of Porcupine Creek as the trail continues (E) toward the main
	branch of the creek.
[91.1]	Porcupine Creek. The trees end at the Porcupine stream edge and you are looking at a steep hillside meadow. Go
11240	directly (E) up this meadow until you intersect a trail and turn right [SE]. (We suspect the sheepherders bring their
	flocks into this basin later in the year and maintain this trail.) The trail passes about 100 feet to the left of two waterfalls
	and will take you above the hanging wall of Porcupine Creek. There, the stream is to your right and several hundred
	feet below you. Your target is the low saddle located directly in front of you as you come over the hanging wall. When
	the trail disappears continue on a SSE course to the Porcupine-Cataract Saddle.
[01.0]	Porcupine-Cataract Saddle. Pass 312. Look across Cataract Basin at the far ridge (Peak 13042). The right side of the
[91.9]	
12230	ridge is your final climb! The saddle may be full of snow with a cornice on the Cataract Basin side. Pick a route down
	the snow and after dropping about 50 vertical feet, angle right picking up one of the sheep trails for your traverse across
	Cataract Basin. If there is no snow in the saddle, turn left (NE) on the trail that drops about 50 vertical feet before
	switching back to the right (ESE) for the traverse of the basin. Your target on the traverse is the saddle on the far side
	(E) of the basin between Cataract Basin and Lime Creek.
[92.7]	At the eastern most side of the Cataract Basin, where you have no choice but to go uphill to go eastward, continue
12110	straight ahead (E) leaving the trail. The trail drops into Lime Creek. Climb steeply about 0.2 miles up the grass face
12110	until you meet a good sheep trail then turn right on it (SE). Continuous to climb gradually under Peak 13042 as you
	traverse along this W facing hillside above the unnamed fork of Lime Creek. Below you to the right are some
	spectacular red cliffs and just below them is the Colorado Trail. Acrophobia. (You haven't seen it since leaving Pole
	Creek.)
[93.3]	Elev. 12600. Pass #13. This ridge is the top of the last major climb. Follow the sheep trail down (SE) the ridge
12600	between Putnam Basin and Lime Creek to about 50 yards above the Putnam-Lime saddle.
[93.5]	Elev. 12400. Putnam-Lime Creek Saddle. (Note: Putnam Basin is not named on the Drake Map. It is the basin east of
12400	the unnamed 13042 peak at the head of Copper Gulch.) To get across upper Putnam Basin, angle left (N) on a mixture
	of trail/cross-country, aiming for the flat area at 12000' just above the hanging wall near the headwaters of Putnam
	Creek. The flat and stream crossing are directly east of the 13042 peak. Cross Putnam Creek, climb a short hill and
	pick p the trail, another section we suspect is maintained by the sheep herders, and angle off to the ENE. There are a
	couple of short switchbacks that take you through several cliffs and across several side streams where footing is
	marginal. The trail stays to the left and high above Putnam Creek as it drops into the lower basin. Exposure,
	acrophobia, The aid station is located near timberline.
[94.9]	ELEV. 11400. PUTNAM BASIN AID STATION. This is an absolute minimum aid station because all item have to
11400	be backpacked into here. Continue down hill (SE) on trail toward Putnam Creek. Do not cross Putnam Creek but about

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	30 yards before it, turn left (E) off the Putnam trail onto a secondary trail. Follow a mix of original Silverton Bear
	Creek trail and animal trails down the left side of Putnam Creek. About 0.2 mi down, just below a nice little water fall
	in the Putnam stream the trail angles left (NE), crosses a short bench, then drops sharply down to a longer, wider bench.
	Turn left [NNE] on the well-defined bench where you stay at a constant elevation (~11200') for about 0.3 mile. At the
	end of the bench, work your way through the skunk cabbage and willows, onto the built Silverton Bear Creek trail and
	follow it all the way down valley. From here to highway 550, the trail stays left and high above the Silverton Bear
	Creek. As you exit Bear Creek into the Mineral Creek drainage the terrain flattens and the trail becomes a little hard to
	find. Continue to parallel Bear Creek, between it and some fence posts. Highway 550 is across Mineral Creek in front
	of you. Just past the last fence post, angle right (ENE) toward Bear Creek, going down stream parallel to Mineral
	Creek. Just above the confluence of Bear Creek and Mineral Creek, there will be a fixed rope to aid your crossing of
	Mineral Creek. Once across Mineral Creek, work your way 20 yards down Mineral Creek past the swampy area and
	climb up onto Highway 550.
[98.5]	Highway 550. Turn left (WNW), cross the highway, and go upstream about 50 years. Make a hard right turn (ENE) on
9395	the Nute Chute trail. The The Nute Chute route in named in honor of Silverton runner Chris Nute who suggested the
	change and directed the trail building work necessary to allow use of the railroad bed and eliminate the need to run
	Highway 550 from the Shrine Road to the Silverton Bear Creek. You are going to go high to the left and parallel to
	Highway 550 toward Silverton. The trail follows a bench up under the electrical power line, passes a two poled power
	line support, and climbs to the railroad bed at the point where you are directly across from the Silverton Bear Creek.
	Turn right (SE) on the railroad bed and follow this nearly level path through the aspens. The route you are following is
	part of the railroad bed that carried trains from Silverton to Ironton. After about 0.6 miles, above a log building, the
	wide track merges into a trail across a red talus slope. At the end of the talus slope, the trail merges into a jeep road that
	you follow to the Shrine of the Mines road.
[99.7]	Turn left [NE] on wide graveled Shrine of the Mines auto road. Follow the road uphill until you are about even with
9301	the Shrine of the Mines statue and overlooking Silverton. Turn right (SE) and go steeply downhill on a trail that merges
	into 10 th street. Go two blocks on 10 th and turn left (NE) on Snowden. Go two blocks and turn right (SE), on 12 th
	Street. Go one half block to front of Gymnasium at Silverton school.
[100.5]	Elev. 9310 SILVERTON, CREW ACCESS. STOP!!!!!!
9310	Check in with the officials and kiss the "HARDROCK".

2011 Hardrock 100 Results by Segment

										2011	Harc	Irock	100	Resu		<u>y Seg</u>	mer	<u>1T</u>												
				8.6 mi		14.7 mi		19.0 mi		28.1 mi	4	41.5 mi		48.0 mi		55.9 mi		63.8 mi		67.0 mi		72.0 mi		81.3 mi	88.3 mi		93.9 mi		100.5 mi	Finish
Place	Runner	Bib	То	Cunningham		Maggie		Pole Creek		Sherman		Grouse		Engineer		Ouray		Governor		Kroger		Telluride	То	Chapman	TO KT		Putnam		Silverton	Time
	Julien Chorier, M 31 FR	112	1:50	1	1:31	0	0:46	1	1:39	1	3:30	1	1:45	2	1:16	3	1:48	2	1:07	2	0:47	3	3:24	3	2:24 2	1:55	0	1:14	21	25:17:00
	Dakota Jones, M 21 CO	150	1:52	1	1:37	0	0:54	0	1:42	0	3:26	1	1:45	1	1:26	4	1:57	4	1:08	7	0:58	4	3:48	12	2:48 8	1:57	1	1:09	43	27:10:00
	Nick Clark, M 37 CO		1:53	0	1:40	1	0:50	0	1:44	4	3:26	4	1:31	2	1:25	5	2:00	6	1:12	7	1:05	5	3:49 4:24	10	2:46 5	2:06	2	1:25	51	27:43:00 28:57:00
4	Daniel Levy, M 33 FR Diana Finkel, F 40 CO	158 2	1:52	1	1:37 1:59	0	0:48	0	1:45	10 0	3:45	7	1:51	3	1:30 1:38	11	2:02	4	1:21	2	1:03	6 1	4:24	8	2:34 2 2:54 1	2:07	0	1:23 1:35	55 10	28:57:00
6	Joseph Grant, M 28 CO	195	1:59 1:52	0	1:39	0	0:49	1	1:50 1:41	1	3:37	1	1:44	1	1:26	6	2:11 2:35	4	1:24	3	1:11	22	4:16	10	3:04 5	2:29	4	1:16	58	29:38:00
7	Darcy Africa, F 36 CO	3	1:52	1	1:50	0	0:53	0	1:50	1	3:42	1	1:58	1	1:39	4	2:07	4	1:23	2	1:11	5	4:49	5	2:31 3	2:12	4	1:13	27	29:46:00
8	Duncan Callahan, M 29 CO	111	1:55	2	1:43	0	0:51	1	1:51	4	3:56	0	2:28	7	1:39	9	2:11	9	1:25	8	1:12	8	4:15	12	2:48 4	2:11	2	1:26	66	30:57:00
	Ted Mahon, M 39 CO	4	2:13	2	1:56	0	0:59	2	1:57	4	4:05	0	2:05	1	1:43	6	2:24	4	1:24	5	1:22	11	4:22	5	2:44 3	2:28	2	1:28	45	31:55:00
10	Danny Gnojek, M 44 CO	132	2:18	5	1:53	1	0:57	2	1:57	10	3:56	9	1:59	2	1:52	9	2:17	8	1:24	5	1:18	16	4:50	5	2:36 4	2:21	5	1:22	81	32:21:00
	Brett Gosney, M 52 CO	6	2:11	1	1:53	1	0:57	1	1:56	4	3:49	3	1:51	3	1:42	5	2:18	7	1:22	4	1:26	9	5:10	12	3:04 8	2:48	4	1:45	62	33:14:00
	Ryan Cooper, M 37 CO	116	2:05	2	2:03	1	0:59	0	2:01	9	4:16	8	2:05	5	1:38	13	2:34	12	1:33	9	1:17	14	4:47	2	2:58 10	2:42	11	1:43	96	34:17:00
	Chad Armstrong, M 43 TX	101	2:20	2	2:08	0	1:03	1	2:07	3	4:35	10	2:14	4	2:07	15	2:20	6	1:30	5	1:21	11	4:21	9	3:14 2	2:42	3	1:42	71	34:55:00
14	Matthew Hart, M 36 UT	135	1:53	0	1:50	0	0:54	0	1:48	2	4:06	5	1:55	1	1:34	6	2:22	12	1:32	2	1:24	13	6:03	89	3:07 9	2:54	0	1:18	139	34:59:00
15	Pete Stevenson, M 38 CO	182	1:54	0	1:45	0	0:52	2	1:47	2	4:07	14	1:51	6	1:24	12	2:49	61	1:17	7	1:18	140	4:50	40	2:49 7	2:17	2	1:30	293	35:23:00
16	Erich Peitzsch, M 33 MT	171	2:13	3	1:53	0	1:00	1	2:05	6	4:49	27	2:16	14	2:00	24	2:53	25	1:45	2	1:27	9	4:16	20	2:53 4	2:43	0	1:23	135	35:51:00
17	Billy Simpson, M 56 TN	180	2:25	2	2:12	1	1:04	1	2:12	5	5:03	8	2:10	4	2:09	23	2:45	11	1:36	5	1:21	12	4:20	11	2:55 4	2:48	0	1:28	87	35:55:00
	Joe Lea, M 41 NC	157	2:13	1	2:03	2	0:59	3	1:59	6	4:40	0	2:18	2	1:51	11	2:47	10	1:46	6	1:19	13	4:54	4	3:23 5	2:53	3	1:48	66	35:59:00
	Nathan Yanko, M 30 CA	194	2:15		1:56	0	0:57	1	2:01	1	4:23	0	1:56	2	1:49	11	2:10	3	1:30	4	1:29	7	5:39	90		2:46	3	1:45	135	36:03:00
	Scott Eppelman, M 45 TX	126	2:25	2	2:03	2	1:01	2	2:10	5	4:31	9	2:08	4	2:12	15	2:47	13	1:38	5	1:33	8	4:30	6		2:50	0	1:54	82	36:14:00
	Aaron Spurlock, M 36 ID	181	2:12		2:00	0	1:03	2	2:10	2	4:30	9	1:57	2	1:55	19	2:11	4	2:04	4	1:39	18	4:52	32		2:49	3	2:04	107	36:26:00
	Chris Gerber, M 38 CO	21	2:16		2:09	1	1:03	3	2:08	9	5:12	2	2:23	0	2:19	52	0:15	2	4:12	5	1:41	26	5:12	5	2:48 0	2:47	2	1:33	108	36:55:00
	Mike Ehrlich, M 48 CO	18	2:21	3	2:04	2	1:04	2	2:12	1	4:15	7	2:04	0	2:04	12	3:07	6	1:43	3	1:39	13	4:49	15	3:15 8	2:58	10	2:04	82	37:01:00
24 25	Garrett Graubins, M 39 CO Daniel Benhammou, M 31 CO	11 250	2:02 2:06	5	1:58 1:50	2	0:58 0:55	0	2:03 2:02	7	4:14 4:29	9 15	1:58 2:02	2	2:00 2:23	29 25	2:49 2:36	13 4	1:51 1:50	4	1:47 1:49	58 19	4:41 4:58	18 15	3:11 23 3:17 33	2:55 2:47	6 6	1:48 2:02	176 130	37:11:00 37:16:00
25	Wayne Rancourt, M 49 ID	176	2:00	4	2:03	1	1:01	3	2:02	4	4:43	9	2:02	1	2:23	18	2:30	4	1:47	2	1:28	13	4:46	5	3:18 6	3:00	1	2:02	71	37:35:00
	Christian Johnson, M 40 UT	148	2:07	2	1:56	1	0:56	2	1:48	12	6:05	79	2:04	8	2:05	22	2:36	16	1:29	4	1:09	23	4:12	19	3:02 16	2:48	29	1:28	233	37:33:00
	Ben Corrales, M 38 UT	117	2:14	_	2:21	2	1:03	1	2:11	4	5:03	7	2:09	3	2:13	14	2:46	7	1:40	5	1:35	12	4:37	20		2:48	29	1:28	130	37:38:00
	David Larsen, M 40 OR	156	2:17	2	2:13	1	1:12	1	2:12	7	5:19	29	2:10	2	2:03	24	2:57	10	1:50	3	1:23	9	4:35	11	3:03 12	2:55	10	1:33	121	37:43:00
30	John Hallsten, M 55 MT	16	2:24	2	1:54	1	0:59	2	2:06	6	4:29	18	2:15	5	2:38	35	3:05	16	1:56	4	1:34	15	4:31	12	3:11 9	3:06	0	1:54	125	38:07:00
31	Blake Wood, M 53 NM	22	1:57	3	1:55	2	0:56	2	2:03	12	4:18	9	1:56	2	2:03	19	2:34	12	1:44	4	1:48	65	5:01	2	3:32 24	3:08	33	2:17	189	38:21:00
32	Scott Kuhn, M 41 CO	153	2:39	5	2:17	4	1:08	3	2:26	11	5:01	14	2:22	7	2:28	19	2:44	12	1:38	4	1:25	17	4:24	3	2:59 13	2:42	8	2:09	120	38:22:00
33	Greg Hartman, M 38 CO	9	2:16	2	2:20	2	1:06	2	2:18	5	5:19	22	2:18	15	2:03	24	2:49	12	1:50	3	1:21	17	4:41	9	3:19 15	3:06	6	1:40	134	38:40:00
34	Randy Isler, M 54 NM	28	2:18	1	2:01	1	1:01	1	2:07	3	4:27	7	2:12	2	2:21	18	4:17	7	1:16	4	1:49	11	5:09	7	3:40 8	3:11	2	1:56	72	38:57:00
35	Julian Jamison, M 38 MA	145	2:30	3	2:13	1	1:07	2	2:23	12	5:08	22	2:28	5	2:28	50	2:40	11	1:41	7	1:15	34	4:51	27	3:08 7	2:39	3	1:27	184	39:02:00
36	David Pease, M 48 UT	17	2:22	3	2:10	1	1:05	3	2:15	8	5:23	12	2:23	3	2:28	29	3:09	14	1:56	6	1:22	26	4:30	12	3:04 7	3:10	1	1:41	125	39:03:00
	Todd Salzer, M 37 CO	30	2:20		2:05	1	1:00	3	2:14	13	5:02	13	2:10	5	2:23	41	2:52	14	1:49	4	1:18	21	4:27	16		2:46	10	3:04	163	39:14:00
	Betsy Nye, F 47 CA	7	2:24		2:10	1	1:07	2	2:19	4	4:53	2	2:30	3	2:36	16	2:46	14	1:55	6	1:41	12	4:55	5	3:27 5	3:18	2	2:13	82	39:17:00
39	Trevor Garner, M 33 ID	128	2:14	2	1:50	2	0:56	3	1:55	17	5:52	119	2:19	4	2:25	30	2:32	5	1:43	2	1:17	11	4:37	21		2:47	0	2:03	382	39:31:00
40	PoDog Vogler, M 45 AR	186	2:30	4	2:10	1	1:02	1	2:23	7	5:40	26	2:27	7	2:47	25	2:38	4	1:43	8	1:33	14	4:21	24		2:57	0	2:02	123	39:41:00
	Michael Popov, M 33 CA	174	2:28	1	2:25	2	1:15	5	2:29	8	5:25	60	1:42	0	2:10	18	3:04	11	1:35	2	1:26	12	4:53	0	4:07 0	3:11	2	1:38	121	39:49:00
	Doug Newton, M 35 CO Scott Olmer, M 40 CO	169 20	2:37 2:33	2	2:11 2:17	1	1:12 1:06	1	2:30 2:25	8	5:00 5:20	12 12	2:23 2:35	5	2:44 2:48	17 15	2:43 3:02	11 5	1:29 1:53	2	1:34 1:20	15 9	4:58 4:52	16 5	3:48 5 3:44 6	3:02 3:05	3	2:07 1:49	99 72	39:57:00 40:01:00
	Philip Wiley, M 50 CO	189	2:28	1	2:17	1	1:07	5	2:20	9	4:43	10	2:09	3	2:46	21	2:50	2	2:08	2	1:28	25	4:50	21	3:33 4	3:43	6	2:20	110	40:09:00
	Scott Brockmeier, M 49 GA	13	2:40	1	2:23	1	1:12	2	2:27	7	4:54	15	2:13	2	2:18	16	3:04	9	1:47	5	1:20	19	4:45	11	3:24 20	3:42	2	2:13	110	40:13:00
	Kris Quandt, M 37 WY	15	2:27	1	2:07	2	1:03	1	2:17	9	4:48	26	2:19	3	2:43	26	3:38	53	1:38	8	1:43	22	4:56	20	3:21 11	2:49	3	2:01	185	40:55:00
	Jeff List, M 52 MA	159	2:43	3	2:22	0	1:17	4	2:38	2	5:45	9	2:29	2	2:37	22	2:52	9	1:38	5	1:35	17	5:02	16	3:18 6	2:47	10	2:09	105	40:57:00
	Paul Schoenlaub, M 52 MO	179	2:30	3	2:32	0	1:08	2	2:23	13	5:01	13	2:28	7	2:19	39	3:00	5	1:48	2	1:13	31	4:59	16	4:02 5	2:50	3	2:46	139	41:18:00
49	Mark Heaphy, M 49 MT	32	2:45	9	2:26	1	1:14	3	2:32	20	5:11	36	2:48	3	2:36	28	3:08	2	1:32	16	1:04	22	4:35	15	3:11 7	3:07	1	2:59	163	41:51:00
50	Tina Ure, F 52 CA	23	2:42	4	2:13	5	1:03	6	2:09	18	4:44	24	2:15	5	2:16	66	2:38	20	1:51	5	1:36	61	4:49	74	3:07 7	3:33	13	1:54	308	41:58:00
51	Luis De Arriba India, M 44 SP	122	2:47	2	2:29	6	1:13	2	2:28	20	5:27	19	2:37	8	2:22	26	3:00	10	1:52	5	1:21	26	4:52	23	3:01 7	3:40	8	2:13	162	42:04:00
52	Tara Burton, F 39 CO	110	2:38	3	2:19	2	1:09	3	2:25	14	5:00	10	2:36	6	2:45	16	3:03	19	1:43	10	1:46	18	5:45	2	3:33 8	3:18	8	2:15	119	42:14:00
	Andrea Williams, F 30 CO	191	2:33	8	2:14	1	1:10	3	2:23	10	4:49	14	2:14	6	2:06	20	3:07	15	1:47	6	1:16	24	5:36	3	3:54 5	4:27	18	2:33	133	42:22:00
	Josh Mietz, M 32 NE	168	1:59	0	2:17	0	1:13	7	2:21	8	5:33	120	2:30	8	2:34	27	2:33	17	1:41	6	1:31	23	4:17	16		3:49	28	2:29	274	42:40:00
	Jay Dobrowalski, M 32 CA	125	2:20	4	2:23	3	1:09	7	2:28	21	5:29	12	2:45	8	2:42	20	2:47	29	1:38	12	1:38	38	5:22	15		3:26	9	2:33	196	43:45:00
	Diane Van Deren, F 51 CO	27	2:29	1	2:21	1	1:11	2	2:33	5	5:08	8	2:46	5	3:05	15	3:12	5	1:51	3	1:55	10	5:08	21	3:42 0	4:30	3	2:36	79	43:46:00
	Kirk Apt, M 49 CO		2:33		2:14	3	1:11	6	2:30	10	4:59	3	2:35	12	2:34		2:47	18	1:54	7	1:41	25	5:34	18		4:20	16	2:28	162	43:47:00
	Chris Twiggs, M 41 FL	14	2:24		2:41	1	1:20	3	2:42	4	6:15	53	3:04	12	3:05	17	2:38	4	1:38	4	1:16	9	4:23	12		3:50	15	2:32	142	43:51:00
	Dennis Drey, M 60 NM	39	2:48		2:34	4	1:12	2	2:32	14	5:06	2	3:08	5	2:55		3:11	7	1:45	4	1:33	17	5:15	14		3:33	9	2:44	115	43:57:00
	Tim Long, M 44 CO Marcy Beard, F 42 NY	197	2:20		2:03	2	0:58	4	2:08	9	5:05 5:50	21	2:24 2:47	33	2:27	40	2:47 3:32	11	1:38 1:54	7	1:34	17	5:00	24		4:43 3:39	37	3:07	224 102	44:17:00
	Rich DeSimone, M 60 MT		2:57	3	2:28 2:23	0	1:10	3	2:34	15		3 15	2:47	5	2:56		3:32	6 10	1:54	5	1:28	19	5:36	20		3:39 4:37	2	2:25 2:42		44:32:00 44:41:00
	Mike Mason, M 41 NC		2:46 2:13		2:23	1	1:16 1:01	2	2:41 1:58	8	5:18 3:54	4	1:59	8	3:01 2:06	15 14	2:43 6:20	86	1:51	5 5	1:51 1:27	18 10	4:41 5:08	32 61		4:37	6 0	2:42	136 198	44:41:00
	Rodger Wrublik, M 54 CO		2:49		2:00	1	1:16	1	2:43	5	6:04	17	2:51	15	2:39		3:23	38	1:54	5	1:34	15	5:40	13		3:36	2	2:40	152	45:13:00
	Neil Blake, M 46 NM		2:33		2:21	2	1:10	1	2:30	10	5:15	1	3:11	8	3:23	27	3:31	6	1:41	4	1:34	19	5:29	26		3:53	6	3:12	120	45:13:00
	Ken Ward, M 54 OR		2:33		2:30	2	1:18	2	2:42	21	5:20	27	2:39	8	2:44		3:00	9	1:47	4	1:34	31	5:13	29		4:00	11	2:58	189	45:18:00

2011 Hardrock 100 Results by Segment

											Har	агоск	100) Kesu		<u>y Sei</u>	gmer	10												
				8.6 mi		14.7 mi		19.0 mi		28.1 mi		41.5 mi		48.0 mi		55.9 mi		63.8 mi		67.0 mi		72.0 mi		81.3 mi	88.3 n		93.9 mi		100.5 mi	Finish
Place	Runner	Bib		Cunningham		Maggie		Pole Creek		Sherman		Grouse		Engineer		Ouray		Governor	То	Kroger		Telluride		Chapman	TO KT	То	Putnam		Silverton	Time
	Joe Salette, M 61 CO		2:42	5	2:28	4	1:15	0	2:40	12	5:19	20	2:29	7	3:03		3:00	9	1:36	6	1:53	20	6:19	0	3:41 23	4:03	6	2:51	148	45:47:00
	Bruce Grant, M 46 BC		2:23	3	2:22	0	1:03	2	2:18	7	5:09	21	1:38 2:32	67	2:25		3:21	53 0	1:56 2:04	8	1:27	30	5:43	28	4:16 22	4:25	8	2:45	284	45:55:00 46:05:00
	Robert Andrulis, M 44 AZ Ken Gordon, M 46 NM	200 133	2:38	3	2:30 2:20	3 5	1:18 1:10	4	2:41 2:24	23 9	5:50 5:37	24 53	3:27	4 38	2:50 2:43		3:14 2:41	6	1:49	6 16	1:46 1:18	22 15	5:28 5:16	21 38	3:30 6 4:00 44	4:15 3:52	2	2:53 2:07	156 304	46:05:00
	Kristen Kern, M 47 NM		2:33	4	2:20	4	1:09	2	2:24	13	5:28	45	2:43	10	2:45		3:07	20	1:51	5	1:28	24	5:58	23	3:53 26	4:00		2:23	239	46:33:00
	Larry Hall, M 57 IL		2:24	5	2:23	1	1:14	1	2:30	10	5:09	15	2:50	16	3:40		2:45	16	1:50	6	1:32	21	5:08	22	4:12 2	5:23		3:18	153	46:51:00
	Douglas Long, M 29 HI		2:46	0	2:29	7	1:17	5	2:38	13	5:35	36	4:14	7	2:39		2:43	23	1:56	9	1:30	15	5:26	41	3:55 33	3:57	5	2:15	217	46:57:00
74	James Ficke, M 50 TX	127	2:29	1	2:18	1	1:22	4	2:25	11	5:16	20	2:31	7	3:06	110	2:51	3	1:49	6	1:35	35	6:16	9	4:00 9	4:25	5	2:57	221	47:01:00
75	Ryan Martin, M 42 CO	163	2:45	4	2:31	5	1:23	3	2:49	11	5:51	15	2:40	8	3:11	20	3:11	8	1:54	5	1:46	15	6:03	10	4:19 13	4:07	7	2:45	124	47:19:00
76	Stan Ferguson, M 48 AR	31	2:45	8	2:18	1	1:11	3	2:38	11	5:38	38	3:00	4	2:48	42	2:59	4	2:12	9	1:42	1	5:47	16	4:27 14	4:32	4	2:51	155	47:23:00
77	Wolfgang Hoefle, M 51 GER	142	2:47	5	2:44	6	1:25	5	2:57	17	6:16	19	3:09	13	2:55	38	3:08	13	2:10	6	1:33	11	5:46	15	4:07 6	3:34	0	2:25	154	47:30:00
	Scott Tomchick, M 46 WA		3:08	3	2:24	1	1:18	5	3:01	15	6:03	20	2:37	6	2:50		2:42	12	1:43	8	1:47	32	5:02	22	3:41 17	3:19		4:52	184	47:31:00
	Bob Combs, M 44 OH		2:47	6	2:38	1	1:14	3	2:42	10	5:53	23	2:54	6	2:52		3:39	16	2:05	9	1:27	12	6:36	25	4:41 6	3:28	1	2:19	145	47:40:00
	Gregory Trapp, M 49 OH		3:12	7	2:49	7	1:17	6	2:45	14	5:58	36	2:49	6	3:01		2:59	12	2:11	5	1:27	9	5:29	12	4:29 17	3:44		2:33	177	47:40:00
	Les Jones, M 53 TN		2:45	3	2:50	3	1:21	3	2:50	18	6:09	3	3:20	2	3:15		2:55	5	2:11	6	2:10	17	5:39	23	4:20 11	4:01	0	2:21	113	DNF
	Adam Watters, M 39 NM Rick Hoopes, M 57 NE		2:47 2:38	7	2:45 2:24	4	1:28 1:06	6 3	2:59 2:27	23 11	6:47 4:52	92 4	3:09 2:25	50 5	2:20 2:16		3:00 2:32	11 9	2:10 2:00	6 6	1:31 1:32	22 17	5:24 6:11	20 7	3:42 25 4:43 87	3:11	1	1:47	300	DNF DNF
	Howard Breinan, M 43 CT		2:33	1	2:24	2	1:08	3	2:14	14	4:53	25	2:23	10	2:10		3:00	11	1:47	4	1:25	46	4:56	25	3:59 66					DNF
	Eric (Rick) Hodges, M 62 CO		2:46	6	2:20	3	1:16	3	2:45	30	5:38	35	3:00	8	3:08		3:03	18	1:54	8	1:42	41	5:00	22	5:02 240					DNF
	Karl Meltzer, M 44 UT		1:59	0	1:54	0	0:57	1	1:51	2	3:30	0	1:47	2	1:22		2:06	5	1:16	3	1:02	24	6:35	39						DNF
	Zach Hermsen, M 34 CO		2:15	1	1:55	1	0:58	1	2:01	5	4:29	9	1:59	3	2:06	11	2:31	7	1:57	5	2:01	30	5:44	73						DNF
DNF	Tim Stroh, M 49 WA	10	2:24	2	2:11	3	1:05	1	2:12	11	4:45	10	2:11	4	2:11	44	2:32	15	1:32	3	1:21	12	5:26	105						DNF
DNF	Andrew Heard, M 45 AZ	137	2:08	2	2:01	1	0:55	1	2:01	4	4:39	0	2:20	2	2:20	23	2:40	4	2:05	6	1:58	20	7:27	63						DNF
DNF	Allan Holtz, M 61 MN		3:26	2	3:17	1	1:26	1	3:13	4	7:44	12	3:29	3	2:51		3:48	2	2:03	7	1:50	15	7:39	53						DNF
	Jean Jacques D'Aquin, M 72 CO	121		5	2:58	3	1:39	8	2:56	16	7:04	34	3:00	0	3:02		3:38	9	2:46	7	2:15	4	7:35	119						DNF
	Jennifer Roach, F 58 CO	46	3:09	3	2:59	2	1:27	4	3:09	7	7:18	15	3:44	5	3:30		3:42	6	2:39	5	2:01	7	8:20	63						DNF
	Jared Campbell, M 32 UT	1	1:53	1	1:39	0	0:51	0	1:54	2	3:48	1	1:53	2	1:37		2:31	70	1:23	4	2:57	86								DNF
	Bill Geist, M 41 NM Betsy Kalmeyer, F 50 CO	130 12	2:30 2:20	2	2:07 2:15	1 6	1:02 1:01	1	2:06 2:13	10 18	4:15 4:57	12 33	2:08 2:11	2	2:08 2:36		2:57 2:54	27 161	1:47	7	2:46	87								DNF DNF
	James Ballard, M 61 OR		3:04	6	2:36	2	1:27	8	3:06	21	6:11	22	3:04	16	3:39		3:55	101												DNF
	Nick Coury, M 24 AZ		2:06	2	1:55	1	0:58	0	1:52	2	4:15	7	2:20	9	2:41															DNF
	David Hayes, M 44 UT			4	1:52	0	0:59	1	2:00	6	4:19	8	2:17	24	2:00															DNF
DNF	Mike Burke, M 61 OR	109	2:38	2	2:23	1	1:08	2	2:25	6	4:59	15	2:34	6	2:06	13														DNF
DNF	Mike James, M 40 MT	144	2:52	3	2:41	7	1:20	5	2:39	11	5:29	21	2:39	6	2:38	53														DNF
	Mike Price, M 61 UT		2:45	2	2:40	4	1:12	3	2:32	19	5:55	27	2:49	5	3:22															DNF
	Willie Lambert, M 49 UT	154		6	2:41	3	1:21	5	2:54	10	6:07	14	2:53	3	3:05															DNF
	Steve Petersen, M 259 OR			5	2:49	3	1:25	3	2:51	14	6:22	50	2:36	8	3:03															DNF
	Scott Snyder, M 56 CO		2:58 2:54	1	2:49 2:41	2	1:24 1:20	5	2:43 2:49	5 16	6:21	0 27	1:51 3:05	66 3	3:54 3:19															DNF DNF
	Gerry Roach, M 68 CO Kristina Irvin, F 53 CA		3:04	8	2:41	3	1:20	8	3:00	13	6:18 6:07	24	2:54	10	3:29															DNF
	Rickie Redland, F 57 CO	38	3:02	5	2:44	2	1:23	4	2:59	8	6:22	17	3:02	2	3:52															DNF
	Jack Jewell, M 57 CO		2:53	5	2:40	3	1:21	3	2:49	14	5:56	19	3:42	21	4:04															DNF
	Kerry Collings, M 62 UT		2:53	5	2:38	2	1:24	4	2:59	33	6:12	28	3:19	13	3:51															DNF
DNF	Joe Prusaitis, M 57 TX	175	2:45	1	2:59	5	1:18	3	2:37	23	7:03	74	3:19	8	3:04	114														DNF
DNF	George Hitzfeld, M 51 TX	141	3:05	11	2:52	4	1:25	8	3:25	45	6:22	47	2:57	3	3:19	118														DNF
	Stuart Johnson, M 52 KS		2:49	3	2:42	2	1:25	3	2:57	12	6:19	22	3:27	5	5:24															DNF
	Tom Stockton, M 51 NM	24	2:33	4	2:13	0	1:04	2	2:11	9	4:48	16	2:40	8	2:45															DNF
	Richard Knapp, M 59 NM	152 26	3:18 2:53	16 14	2:38 2:47	6 5	1:23 1:23	7	2:57 2:56	20 8	7:47 6:01	46 19	3:37 3:12	5 10	4:40	100														DNF DNF
	Randy Wojno, M 52 CO Glenn Mackie, M 49 TX	26	2:53	2	1:57	0	0:58	1	2:56	8	4:18	6	5.12	10																DNF
	Nerea Martinez Urruzola, F 39 SP		2:06	1	1:52	0	0:58	1	1:55	1	6:01	3																		DNF
	John Machray, M 58 BC		2:47	5	3:19	8	1:30	9	3:07	36	2:26	58																		DNF
	James Varner, M 34 WA		2:20	2	2:06	1	1:02	2	2:26	7	6:28	12																		DNF
DNF	Ryan McDonald, M 38 CA	166	2:43	3	2:29	5	1:16	5	2:43	14	6:21	27																		DNF
	Jeff Heasley, M 44 CO	138		3	2:43	2	1:22	2	2:48	10	6:00	17																		DNF
	Steve Pero, M 60 NM		2:45	3	2:22	0	1:19	1	2:43	20	6:27	24																		DNF
	Greg Loomis, M 37 VA		2:45	7	2:24	7	1:13	3	3:00	26	6:19																			DNF
	Lance Johnson, M 45 NM		2:45	2	2:46	0	1:21	7	2:43	25	6:22	34																		DNF
	Odin Christensen, M 64 CO	113		6	2:37	3	1:24	3	2:57 2:50	14	6:20	26																		DNF DNF
	Wendell Doman, M 52 CA Jim Baker, M 61 OK	36 102	2:47	1 9	3:00 1:56	1	1:28 2:11	7	2:50	6 8	6:29 6:21	10 25																		DNF
	Jean-Francois Geiss, M 58	129		2	2:42	1	1:26	3	2:53	18	6:38	24																		DNF
	Allen Wrinkle, M 47 TX	192		8	2:48	2	1:24	3	2:56	34	6:10	47																		DNF
	Markus Wiaderek, M 259 QC		2:45	2	2:28	6	1:28	3	3:01	21	6:39	32																		DNF
	Rick Pearcy, M 58 CO		3:03	5	2:42	1	1:33	3	3:06	10	7:38	19																		DNF
DNF	Marty Fritzhand, M 259 OH	44	2:48	4	2:50	1	1:25	5	2:58	18	7:53	28																		DNF

2011 Hardrock 100 Results by Segment

																															-· · ·
				8.6 mi		14.7 mi		19.0 mi		28.1 mi		41.5 mi		48.0 mi		55.9 n	ni	63.8 mi		67.0 mi		72.0 mi		81.3 mi		88.3 m		93.9 mi		100.5 mi	Finish
Place	Runner	Bib	То	Cunningham	То	Maggie	То	Pole Creek	То	Sherman	То	Grouse	То	Engineer	То	Oura	у То	Governor	То	Kroger	То	Telluride	То	Chapman	То	кт	То	Putnam	То	Silverton	Time
DNF Kathie	Lang, F 62 OR	155	3:18	16	3:06	2	1:28	1	3:01	7	8:16	5 26																			DNF
DNF Roy H	eger, M 57 OH	139	3:21	3	3:07	3	1:29	6	3:06	16	6:30	128																			DNF
DNF Deb P	ero, F 57 NM	196	3:15	2	3:13	4	1:29	8	3:04	23	8:57	7 37																			DNF
DNF Bruce	Swanson, M 48 NY	183	2:33	1	2:28	3	1:16	3	3:03	7																					DNF
DNF Charli	e Culver, M 31 CO	119	2:46	6	2:45	2	1:31	4	3:12	12																					DNF
DNF Elizab	eth Bouquet, F 60 CO	107	3:00	3	2:52	5	1:31	3	3:05	19																					DNF
DNF Micha	el Gleman, M 63 FL	131	3:08	4	3:24	3	1:48	3	7:30	10																					DNF
DNF Steph	en Wilkinson, M 47 MA	190	3:54	8																											DNF

2011 Hardrock 100 Results in Elapsed Time

						2011 Hart				-						
			8.6 mi	14.7 mi	19.0 mi	28.1 mi	41.5 mi	48.0 mi	55.9 mi	63.8 mi	67.0 mi	72.0 mi	81.3 mi	88.3 mi	93.9 mi	100.5 mi
	_		Cunningham	Maggie Gulch	Pole Creek	Sherman	Grouse Gulch	Engineer	Ouray	Governor Basin	Kroger's	Telluride	Chapman	КТ	Putnam	Silverton
Place		Bib	In - Out	In												
1	Julien Chorier, M 31 FR	112	01:50-01:51	03:22-03:22	04:08-04:09	05:48-05:49	09:19-09:20	11:05-11:07	12:23-12:26	14:14-14:16	15:23-15:25	16:12-16:15	19:39-19:42	22:06-22:08	24:03-24:03	25:17:00
2	Dakota Jones, M 21 CO	150	01:52-01:53	03:30-03:30	04:24-04:24	06:06-06:06	09:32-09:33	11:18-11:19	12:45-12:49	14:46-14:50	15:58-16:05	17:03-17:07	20:55-21:07	23:55-24:03	26:00-26:01	27:10:00
3	Nick Clark, M 37 CO	114	01:53-01:53	03:33-03:34	04:24-04:24	06:08-06:12	09:38-09:42	11:13-11:15	12:40-12:45	14:45-14:51	16:03-16:10	17:15-17:20	21:09-21:19	24:05-24:10	26:16-26:18	27:43:00
4	Daniel Levy, M 33 FR	158	01:52-01:52	03:29-03:29	04:17-04:19	06:04-06:14	09:59-10:06	11:57-12:00	13:30-13:41	15:43-15:47	17:08-17:10	18:13-18:19	22:43-22:51	25:25-25:27	27:34-27:34	28:57:00
5	Diana Finkel, F 40 CO	2	01:59-02:00	03:59-04:00	04:50-04:50	06:40-06:40	10:14-10:14	11:58-11:58	13:36-13:37	15:48-15:49	17:13-17:14	18:22-18:23	22:25-22:28	25:22-25:23	27:52-27:52	29:27:00
6	Joseph Grant, M 28 CO	195	01:52-01:52	03:29-03:29	04:18-04:19	06:00-06:01	09:38-09:39	11:25-11:26	12:52-12:58	15:33-15:37	17:00-17:03	18:14-18:36	22:52-23:02	26:06-26:11	28:18-28:22	29:38:00
7	Darcy Africa, F 36 CO	3	01:59-02:00	03:50-03:50	04:43-04:43	06:33-06:34	10:16-10:17	12:15-12:16	13:55-13:59	16:06-16:10	17:33-17:35	18:48-18:53	23:42-23:47	26:18-26:21	28:33-28:33	29:46:00
8	Duncan Callahan, M 29 CO	111	01:55-01:57	03:40-03:40	04:31-04:32	06:23-06:27	10:23-10:23	12:51-12:58	14:37-14:46	16:57-17:06	18:31-18:39	19:51-19:59	24:14-24:26	27:14-27:18	29:29-29:31	30:57:00
9	Ted Mahon, M 39 CO	4	02:13-02:15	04:11-04:11	05:10-05:12	07:09-07:13	11:18-11:18	13:23-13:24	15:07-15:13	17:37-17:41	19:05-19:10	20:32-20:43	25:05-25:10	27:54-27:57	30:25-30:27	31:55:00
10	Danny Gnojek, M 44 CO	132	02:18-02:23	04:16-04:17	05:14-05:16	07:13-07:23	11:19-11:28	13:27-13:29	15:21-15:30	17:47-17:55	19:19-19:24	20:42-20:58	25:48-25:53	28:29-28:33	30:54-30:59	32:21:00
11	Brett Gosney, M 52 CO	6	02:11-02:12	04:05-04:06	05:03-05:04	07:00-07:04	10:53-10:56	12:47-12:50	14:32-14:37	16:55-17:02	18:24-18:28	19:54-20:03	25:13-25:25	28:29-28:37	31:25-31:29	33:14:00
12	Ryan Cooper, M 37 CO	116	02:05-02:07	04:10-04:11	05:10-05:10	07:11-07:20	11:36-11:44	13:49-13:54	15:32-15:45	18:19-18:31	20:04-20:13	21:30-21:44	26:31-26:33 27:03-27:12	29:31-29:41	32:23-32:34	34:17:00
13	Chad Armstrong, M 43 TX Matthew Hart, M 36 UT	101 135	02:20-02:22	04:30-04:30	05:33-05:34 04:37-04:37	07:41-07:44	12:19-12:29	14:43-14:47 12:33-12:34	16:54-17:09 14:08-14:14	19:29-19:35	21:05-21:10	22:31-22:42 19:46-19:59		30:26-30:28	33:10-33:13	34:55:00 34:59:00
14		135	01:53-01:53 01:54-01:54	03:43-03:43 03:39-03:39	04:37-04:37	06:25-06:27 06:20-06:22	10:33-10:38 10:29-10:43	12:33-12:34		16:36-16:48 17:05-18:06	18:20-18:22 19:23-19:30	20:48-23:08	26:02-27:31 27:58-28:38	30:38-30:47 31:27-31:34	33:41-33:41 33:51-33:53	35:23:00
15 16	Pete Stevenson, M 38 CO Erich Peitzsch, M 33 MT	171	01:54-01:54	04:09-04:09	05:09-05:10	07:15-07:21	12:10-12:37	14:53-15:07	14:04-14:16 17:07-17:31	20:24-20:49	22:34-22:36	20:48-25:08	28:28-28:48	31:41-31:45	34:28-34:28	35:51:00
10		180	02:13-02:10	04:39-04:40	05:44-05:45	07:57-08:02	13:05-13:13	15:23-15:27	17:36-17:59	20:44-20:55	22:34-22:30	23:57-24:09	28:29-28:40	31:35-31:39	34:27-34:27	35:55:00
17	Billy Simpson, M 56 TN Joe Lea, M 41 NC	157	02:23-02:27	04:17-04:19	05:18-05:21	07:20-07:26	12:06-12:06	14:24-14:26	16:17-16:28	19:15-19:25	21:11-21:17	22:36-22:49	27:43-27:47	31:10-31:15	34:08-34:11	35:55:00
18	Nathan Yanko, M 30 CA	194	02:13-02:14	04:17-04:19	05:09-05:10	07:20-07:26	12:06-12:06	13:31-13:33	15:22-15:33	17:43-17:46	19:16-19:20	20:49-20:56	26:35-28:05	31:17-31:29	34:15-34:11	36:03:00
20	Scott Eppelman, M 45 TX	194	02:15-02:16	04:30-04:32	05:33-05:35	07:45-07:50	12:21-12:30	14:38-14:42	16:54-17:09	19:56-20:09	21:47-21:52	23:25-23:33	28:03-28:09	31:17-31:29	34:20-34:20	36:14:00
20	Aaron Spurlock, M 36 ID	120	02:23-02:27	04:13-04:13	05:16-05:18	07:28-07:30	12:00-12:09	14:06-14:08	16:03-16:22	20:33-20:37	20:33-20:37	22:16-22:34	27:26-27:58	31:19-31:30	34:19-34:22	36:26:00
21	Chris Gerber, M 38 CO	21	02:12-02:13	04:27-04:28	05:31-05:34	07:42-07:51	13:03-13:05	15:28-15:28	17:47-18:39	18:54-18:56	23:08-23:13	24:28-24:54	29:40-29:45	32:33-32:33	35:20-35:22	36:55:00
22	Mike Ehrlich, M 48 CO	18	02:16-02:18	04:27-04:28	05:31-05:34	07:42-07:51	12:04-12:11	14:15-14:15	16:19-16:31	19:38-19:44	23:08-23:13	23:09-23:22	29:40-29:45	31:41-31:49	34:47-34:57	37:01:00
23	Garrett Graubins, M 39 CO	18	02:21-02:24	04:05-04:07	05:05-05:06	07:09-07:16	11:30-11:39	13:37-13:38	15:38-16:07	18:56-19:09	21:27-21:30	22:51-23:49	28:30-28:48	31:59-32:22	35:17-35:23	37:01:00
24	Daniel Benhammou, M 31 CO	250	02:02-02:07	03:58-03:59	03:03-03:00	06:56-07:02	11:31-11:46	13:48-13:50	16:13-16:38	19:14-19:18	21:08-21:10	22:59-23:18	28:16-28:31	31:48-32:21	35:08-35:14	37:16:00
25	Wayne Rancourt, M 49 ID	176	02:37-02:41	04:44-04:45	05:46-05:49	08:06-08:10	12:53-13:02	15:18-15:19	17:43-18:01	20:41-20:45	22:32-22:34	24:02-24:15	29:01-29:06	32:24-32:30	35:30-35:31	37:35:00
20	Christian Johnson, M 40 UT	148	02:07-02:09	04:05-04:06	05:02-05:04	06:52-07:04	13:09-14:28	16:32-16:40	18:45-19:07	21:43-21:59	23:28-23:32	24:02-24:13	29:16-29:35	32:37-32:53	35:41-36:10	37:38:00
27	Ben Corrales, M 38 UT	148	02:14-02:14	04:35-04:37	05:40-05:41	07:52-07:56	12:59-13:06	15:15-15:18	17:31-17:45	20:31-20:38	22:18-22:23	23:58-24:10	28:47-29:07	32:27-32:53	35:41-36:10	37:38:00
20	David Larsen, M 40 OR	156	02:14-02:14	04:32-04:33	05:45-05:46	07:58-08:05	13:24-13:53	16:03-16:05	18:08-18:32	21:29-21:39	23:29-23:32	24:55-25:04	29:39-29:50	32:53-33:05	36:00-36:10	37:43:00
30	John Hallsten, M 55 MT	16	02:24-02:26	04:20-04:21	05:20-05:22	07:28-07:34	12:03-12:21	14:36-14:41	17:19-17:54	20:59-21:15	23:11-23:15	24:49-25:04	29:35-29:47	32:58-33:07	36:13-36:13	38:07:00
31	Blake Wood, M 53 NM	22	01:57-02:00	03:55-03:57	04:53-04:55	06:58-07:10	11:28-11:37	13:33-13:35	15:38-15:57	18:31-18:43	20:27-20:31	22:19-23:24	28:25-28:27	31:59-32:23	35:31-36:04	38:21:00
32	Scott Kuhn, M 41 CO	153	02:39-02:44	05:01-05:05	06:13-06:16	08:42-08:53	13:54-14:08	16:30-16:37	19:05-19:24	22:08-22:20	23:58-24:02	25:27-25:44	30:08-30:11	33:10-33:23	36:05-36:13	38:22:00
33	Greg Hartman, M 38 CO	9	02:16-02:18	04:38-04:40	05:46-05:48	08:06-08:11	13:30-13:52	16:10-16:25	18:28-18:52	21:41-21:53	23:43-23:46	25:07-25:24	30:05-30:11	33:33-33:48	36:54-37:00	38:40:00
34	Randy Isler, M 54 NM	28	02:18-02:19	04:20-04:21	05:22-05:23	07:30-07:33	12:00-12:07	14:19-14:21	16:42-17:00	21:17-21:24	22:40-22:44	24:33-24:44	29:53-30:00	33:40-33:48	36:59-37:01	38:57:00
35	Julian Jamison, M 38 MA	145	02:30-02:33	04:46-04:47	05:54-05:56	08:19-08:31	13:39-14:01	16:29-16:34	19:02-19:52	22:32-22:43	24:24-24:31	25:46-26:20	31:11-31:38	34:46-34:53	37:32-37:35	39:02:00
36	David Pease, M 48 UT	17	02:22-02:25	04:35-04:36	05:41-05:44	07:59-08:07	13:30-13:42	16:05-16:08	18:36-19:05	22:14-22:28	24:24-24:30	25:52-26:18	30:48-31:00	34:04-34:11	37:21-37:22	39:03:00
37	Todd Salzer, M 37 CO	30	02:20-02:23	04:28-04:29	05:29-05:32	07:46-07:59	13:01-13:14	15:24-15:29	17:52-18:33	21:25-21:39	23:28-23:32	24:50-25:11	29:38-29:54	32:55-33:14	36:00-36:10	39:14:00
38	Betsy Nye, F 47 CA	7	02:24-02:27	04:37-04:38	05:45-05:47	08:06-08:10	13:03-13:05	15:35-15:38	18:14-18:30	21:16-21:30	23:19-23:25	25:00-25:12	30:07-30:12	33:39-33:44	37:02-37:04	39:17:00
39	Trevor Garner, M 33 ID	128	02:14-02:16	04:06-04:08	05:04-05:07	07:02-07:19	13:11-15:10	17:29-17:33	19:58-20:28	23:00-23:05	24:48-24:50	26:07-26:18	30:55-31:16	31:55-34:41	37:28-37:28	39:31:00
40	PoDog Vogler, M 45 AR	186	02:30-02:34	04:44-04:45	05:47-05:48	08:11-08:18	13:58-14:24	16:51-16:58	19:45-20:10	22:48-22:52	24:35-24:43	26:16-26:30	30:51-31:15	34:40-34:42	37:39-37:39	39:41:00
41	Michael Popov, M 33 CA	174	02:28-02:29	04:54-04:56	06:11-06:16	08:45-08:53	14:18-15:18	17:00-17:00	19:10-19:28	22:32-22:43	24:18-24:20	25:46-25:58	30:51-30:51	34:58-34:58	38:09-38:11	39:49:00
42	Doug Newton, M 35 CO	169	02:37-02:39	04:50-04:51	06:03-06:05	08:35-08:43	13:43-13:55	16:18-16:23	19:07-19:24	22:07-22:18	23:47-23:49	25:23-25:38	30:36-30:52	34:40-34:45	37:47-37:50	39:57:00
43	Scott Olmer, M 40 CO	20	02:33-02:34	04:51-04:52	05:58-05:59	08:24-08:29	13:49-14:01	16:36-16:42	19:30-19:45	22:47-22:52	24:45-24:50	26:10-26:19	31:11-31:16	35:00-35:06	38:11-38:12	40:01:00
44	Philip Wiley, M 50 CO	189	02:28-02:29	04:43-04:44	05:51-05:56	08:16-08:25	13:08-13:18	15:27-15:30	17:56-18:17	21:07-21:09	23:17-23:19	24:47-25:12	30:02-30:23	33:56-34:00	37:43-37:49	40:09:00
45	Scott Brockmeier, M 49 GA	13	02:40-02:41	05:04-05:05	06:17-06:19	08:46-08:53	13:47-14:02	16:15-16:17	18:35-18:51	21:55-22:04	23:51-23:56	25:17-25:36	30:21-30:32	33:56-34:16	37:58-38:00	40:13:00
46	Kris Quandt, M 37 WY	15	02:27-02:28	04:35-04:37	05:40-05:41	07:58-08:07	12:55-13:21	15:40-15:43	18:26-18:52	22:30-23:23	25:01-25:09	26:52-27:14	32:10-32:30	35:51-36:02	38:51-38:54	40:55:00
47	Jeff List, M 52 MA	159	02:43-02:46	05:08-05:08	06:25-06:29	09:07-09:09	14:54-15:03	17:32-17:34	20:11-20:33	23:25-23:34	25:12-25:17	26:52-27:09	32:11-32:27	35:45-35:51	38:38-38:48	40:57:00
48	Paul Schoenlaub, M 52 MO	179	02:30-02:33	05:05-05:05	06:13-06:15	08:38-08:51	13:52-14:05	16:33-16:40	18:59-19:38	22:38-22:43	24:31-24:33	25:46-26:17	31:16-31:32	35:34-35:39	38:29-38:32	41:18:00
49	Mark Heaphy, M 49 MT	32	02:45-02:54	05:20-05:21	06:35-06:38	09:10-09:30	14:41-15:17	18:05-18:08	20:44-21:12	24:20-24:22	25:54-26:10	27:14-27:36	32:11-32:26	35:37-35:44	38:51-38:52	41:51:00
50	Tina Ure, F 52 CA	23	02:42-02:46	04:59-05:04	06:07-06:13	08:22-08:40	13:24-13:48	16:03-16:08	18:24-19:30	22:08-22:28	24:19-24:24	26:00-27:01	31:50-33:04	36:11-36:18	39:51-40:04	41:58:00
51	Luis De Arriba India, M 44 SP	122	02:47-02:49	05:18-05:24	06:37-06:39	09:07-09:27	14:54-15:13	17:50-17:58	20:20-20:46	23:46-23:56	25:48-25:53	27:14-27:40	32:32-32:55	35:56-36:03	39:43-39:51	42:04:00
52	Tara Burton, F 39 CO	110	02:38-02:41	05:00-05:02	06:11-06:14	08:39-08:53	13:53-14:03	16:39-16:45	19:30-19:46	22:49-23:08	24:51-25:01	26:47-27:05	32:50-32:52	36:25-36:33	39:51-39:59	42:14:00
53		191	02:33-02:41	04:55-04:56	06:06-06:09	08:32-08:42	13:31-13:45	15:59-16:05	18:11-18:31	21:38-21:53	23:40-23:46	25:02-25:26	31:02-31:05	34:59-35:04	39:31-39:49	42:22:00
54	Josh Mietz, M 32 NE	168	01:59-01:59	04:16-04:16	05:29-05:36	07:57-08:05	13:38-15:38	18:08-18:16	20:50-21:17	23:50-24:07	25:48-25:54	27:25-27:48	32:05-32:21	35:40-35:54	39:43-40:11	42:40:00
55	Jay Dobrowalski, M 32 CA	125	02:20-02:24	04:47-04:50	05:59-06:06	08:34-08:55	14:24-14:36	17:21-17:29	20:11-20:31	23:18-23:47	25:25-25:37	27:15-27:53	33:15-33:30	37:19-37:37	41:03-41:12	43:45:00
56	Diane Van Deren, F 51 CO	27	02:29-02:30	04:51-04:52	06:03-06:05	08:38-08:43	13:51-13:59	16:45-16:50	19:55-20:10	23:22-23:27	25:18-25:21	27:16-27:26	32:34-32:55	36:37-36:37	41:07-41:10	43:46:00
57	Kirk Apt, M 49 CO	19	02:33-02:39	04:53-04:56	06:07-06:13	08:43-08:53	13:52-13:55	16:30-16:42	19:16-19:37	22:24-22:42	24:36-24:43	26:24-26:49	32:23-32:41	36:26-36:43	41:03-41:19	43:47:00
58	Chris Twiggs, M 41 FL	14	02:24-02:27	05:08-05:09	06:29-06:32	09:14-09:18	15:33-16:26	19:30-19:42	22:47-23:04	25:42-25:46	27:24-27:28	28:44-28:53	33:16-33:28	37:09-37:14	41:04-41:19	43:51:00
59	Dennis Drey, M 60 NM	39	02:48-02:51	05:25-05:29	06:41-06:43	09:15-09:29	14:35-14:37	17:45-17:50	20:45-21:08	24:19-24:26	26:11-26:15	27:48-28:05	33:20-33:34	37:20-37:31	41:04-41:13	43:57:00
60	Tim Long, M 44 CO	197	02:20-02:26	04:29-04:31	05:29-05:33	07:41-07:50	12:55-13:16	15:40-16:13	18:40-19:20	22:07-22:18	23:49-23:56	25:23-25:40	30:40-31:04	35:37-35:50	40:33-41:10	44:17:00
61	Marcy Beard, F 42 NY	104	02:57-03:00	05:28-05:28	06:38-06:41	09:15-09:30	15:20-15:23	18:10-18:15	21:11-21:25	24:57-25:03	26:57-27:02	28:30-28:49	34:25-34:45	38:19-38:26	42:05-42:07	44:32:00
62	Rich DeSimone, M 60 MT	123	02:46-02:51	05:14-05:15	06:31-06:33	09:14-09:22	14:40-14:55	17:35-17:43	20:44-20:59	23:42-23:52	25:43-25:48	27:39-27:57	32:38-33:10	37:05-37:16	41:53-41:59	44:41:00
63	Mike Mason, M 41 NC	165	02:13-02:14	04:20-04:20	05:21-05:24	07:22-07:28	11:22-11:26	13:25-13:26	15:32-15:46	22:06-23:32	25:08-25:13	26:40-26:50	31:58-32:59	37:37-37:44	42:05-42:05	44:51:00

2011 Hardrock 100 Results in Elapsed Time

							ITOCK TOU R									
			8.6 mi	14.7 mi	19.0 mi Dele Creek	28.1 mi	41.5 mi	48.0 mi	55.9 mi	63.8 mi	67.0 mi	72.0 mi Tollurido	81.3 mi	88.3 mi	93.9 mi	100.5 mi
Blaco	Bunner	Pib	Cunningham In - Out	Maggie Gulch In - Out	Pole Creek	Sherman	Grouse Gulch In - Out	Engineer In - Out	Ouray In - Out	Governor Basin	Kroger's In - Out	Telluride	Chapman	KT In - Out	Putnam	Silverton In
Place 64	Runner Rodger Wrublik, M 54 CO	Bib 193	02:49-02:50	05:27-05:28	In - Out 06:44-06:45	In - Out 09:28-09:33	15:37-15:54	18:45-19:00	21:39-22:16	In - Out 25:39-26:17	28:11-28:16	In - Out 29:50-30:05	In - Out 35:45-35:58	39:26-39:28	In - Out 43:04-43:06	45:13:00
65	Neil Blake, M 46 NM	105	02:33-02:39	05:00-05:02	06:12-06:13	08:43-08:53	14:08-14:09	17:20-17:28	20:51-21:18	24:49-24:55	26:36-26:40	28:16-28:35	34:04-34:30	37:58-38:02	41:55-42:01	45:13:00
66	Ken Ward, M 54 OR	34	02:33-02:39	05:09-05:11	06:29-06:31	09:13-09:34	14:54-15:21	18:00-18:08	20:52-21:22	24:22-24:31	26:18-26:22	27:56-28:27	33:40-34:09	38:00-38:09	42:09-42:20	45:18:00
67	Joe Salette, M 61 CO	178	02:42-02:47	05:15-05:19	06:34-06:34	09:14-09:26	14:45-15:05	17:34-17:41	20:44-21:20	24:20-24:29	26:05-26:11	28:04-28:24	34:43-34:43	38:24-38:47	42:50-42:56	45:47:00
68	Bruce Grant, M 46 BC	198	02:23-02:26	04:48-04:48	05:51-05:53	08:11-08:18	13:27-13:48	15:26-16:33	18:58-19:33	22:54-23:47	25:43-25:51	27:18-27:48	33:31-33:59	38:15-38:37	43:02-43:10	45:55:00
69	Robert Andrulis, M 44 AZ	200	02:38-02:43	05:13-05:16	06:34-06:38	09:19-09:42	15:32-15:56	18:28-18:32	21:22-21:58	25:12-25:12	27:16-27:22	29:08-29:30	34:58-35:19	38:49-38:55	43:10-43:12	46:05:00
70	Ken Gordon, M 46 NM	133	02:33-02:36	04:56-05:01	06:11-06:15	08:39-08:48	14:25-15:18	18:45-19:23	22:06-23:14	25:55-26:01	27:50-28:06	29:24-29:39	34:55-35:33	39:33-40:17	44:09-44:14	46:21:00
71	Kristen Kern, M 47 NM	25	02:47-02:51	05:25-05:29	06:38-06:40	09:08-09:21	14:49-15:34	18:17-18:27	21:12-22:04	25:11-25:31	27:22-27:27	28:55-29:19	35:17-35:40	39:33-39:59	43:59-44:10	46:33:00
72	Larry Hall, M 57 IL	134	02:24-02:29	04:52-04:53	06:07-06:08	08:38-08:48	13:57-14:12	17:02-17:18	20:58-21:31	24:16-24:32	26:22-26:28	28:00-28:21	33:29-33:51	38:03-38:05	43:28-43:33	46:51:00
73	Douglas Long, M 29 HI	160	02:46-02:46	05:15-05:22	06:39-06:44	09:22-09:35	15:10-15:46	20:00-20:07	22:46-23:09	25:52-26:15	28:11-28:20	29:50-30:05	35:31-36:12	40:07-40:40	44:37-44:42	46:57:00
74	James Ficke, M 50 TX	127	02:29-02:30	04:48-04:49	06:11-06:15	08:40-08:51	14:07-14:27	16:58-17:05	20:11-22:01	24:52-24:55	26:44-26:50	28:25-29:00	35:16-35:25	39:25-39:34	43:59-44:04	47:01:00
75	Ryan Martin, M 42 CO	163	02:45-02:49	05:20-05:25	06:48-06:51	09:40-09:51	15:42-15:57	18:37-18:45	21:56-22:16	25:27-25:35	27:29-27:34	29:20-29:35	35:38-35:48	40:07-40:20	44:27-44:34 44:28-44:32	47:19:00
76 77	Stan Ferguson, M 48 AR Wolfgang Hoefle, M 51 GER	31 142	02:45-02:53 02:47-02:52	05:11-05:12 05:36-05:42	06:23-06:26 07:07-07:12	09:04-09:15 10:09-10:26	14:53-15:31 16:42-17:01	18:31-18:35 20:10-20:23	21:23-22:05 23:18-23:56	25:04-25:08 27:04-27:17	27:20-27:29 29:27-29:33	29:11-29:12 31:06-31:17	34:59-35:15 37:03-37:18	39:42-39:56 41:25-41:31	44:28-44:32 45:05-45:05	47:23:00 47:30:00
78	Scott Tomchick, M 46 WA	142	03:08-03:11	05:35-05:36	06:54-06:59	10:09-10:20	16:18-16:38	19:15-19:21	22:11-22:45	25:27-25:39	27:22-27:30	29:17-29:49	34:51-35:13	38:54-39:11	43:03-43:03	47:31:00
79	Bob Combs, M 44 OH	115	02:47-02:53	05:31-05:32	06:46-06:49	09:31-09:41	15:34-15:57	18:51-18:57	21:49-22:16	25:55-26:11	28:16-28:25	29:52-30:04	36:40-37:05	41:46-41:52	45:20-45:21	47:40:00
80	Gregory Trapp, M 49 OH	29	03:12-03:19	06:08-06:15	07:32-07:38	10:23-10:37	16:35-17:11	20:00-20:06	23:07-23:51	26:50-27:02	29:13-29:18	30:45-30:54	36:23-36:35	41:04-41:21	45:05-45:07	47:40:00
DNF	Les Jones, M 53 TN	151	02:45-02:48	05:38-05:41	07:02-07:05	09:55-10:13	16:22-16:25	19:45-19:47	23:02-23:21	26:16-26:21	28:32-28:38	30:48-31:05	36:44-37:07	41:27-41:38	45:39-45:39	DNF
DNF	Adam Watters, M 39 NM	187	02:47-02:54	05:39-05:43	07:11-07:17	10:16-10:39	17:26-18:58	22:07-22:57	25:17-25:50	28:50-29:01	31:11-31:17	32:48-33:10	38:34-38:54	42:36-43:01	46:12-46:13	DNF
DNF	Rick Hoopes, M 57 NE	143	02:38-02:39	05:03-05:05	06:11-06:14	08:41-08:52	13:44-13:48	16:13-16:18	18:34-18:56	21:28-21:37	23:37-23:43	25:15-25:32	31:43-31:50	36:33:00		DNF
DNF	Howard Breinan, M 43 CT	108	02:33-02:34	05:04-05:06	06:14-06:17	08:31-08:45	13:38-14:03	16:37-16:47	19:06-19:31	22:31-22:42	24:29-24:33	25:58-26:44	31:40-32:05	36:04-37:10		DNF
DNF	Eric (Rick) Hodges, M 62 CO	45	02:46-02:52	05:12-05:15	06:31-06:34	09:19-09:49	15:27-16:02	19:02-19:10	22:18-23:24	26:27-26:45	28:39-28:47	30:29-31:10	36:10-36:32	41:34:00		DNF
DNF	Karl Meltzer, M 44 UT	167	01:59-01:59	03:53-03:53	04:50-04:51	06:42-06:44	10:14-10:14	12:01-12:03	13:25-13:27	15:33-15:38	16:54-16:57	17:59-18:23	24:58:00			DNF
DNF	Zach Hermsen, M 34 CO	140	02:15-02:16	04:11-04:12	05:10-05:11	07:12-07:17	11:46-11:55	13:54-13:57	16:03-16:14	18:45-18:52	20:49-20:54	22:55-23:25	29:09:00			DNF
DNF	Tim Stroh, M 49 WA	10	02:24-02:26	04:37-04:40	05:45-05:46	07:58-08:09	12:54-13:04	15:15-15:19	17:30-18:14	20:46-21:01	22:33-22:36	23:57-24:09	29:35:00			DNF
DNF	Andrew Heard, M 45 AZ	137	02:08-02:10	04:11-04:12	05:07-05:08	07:09-07:13	11:52-11:52	14:12-14:14	16:34-16:57	19:37-19:41	21:46-21:52	23:50-24:10	31:37:00			DNF
DNF	Allan Holtz, M 61 MN	199	03:26-03:28	06:45-06:46	08:12-08:13	11:26-11:30	19:14-19:26	22:55-22:58	25:49-25:55	29:43-29:45	31:48-31:55	33:45-34:00	41:39:00			DNF
DNF DNF	Jean Jacques D'Aquin, M 72 CO	121 46	03:12-03:17 03:09-03:12	06:15-06:18 06:11-06:13	07:57-08:05 07:40-07:44	11:01-11:17 10:53-11:00	18:21-18:55 18:18-18:33	21:55-21:55	24:57-25:30	29:08-29:17 29:43-29:49	32:03-32:10 32:28-32:33	34:25-34:29 34:34-34:41	42:04:00			DNF DNF
DNF	Jennifer Roach, F 58 CO Jared Campbell, M 32 UT	40	03:09-03:12	03:33-03:33	07:40-07:44	06:18-06:20	10:08-10:09	22:17-22:22 12:02-12:04	25:52-26:01 13:41-13:47	16:18-17:28	18:51-18:55	21:52	43:01:00			DNF
DNF	Bill Geist, M 41 NM	130	02:30-02:32	04:39-04:40	05:42-05:43	07:49-07:59	12:14-12:26	14:34-14:36	16:44-17:09	20:06-20:33	22:20-22:27	25:13:00				DNF
DNF	Betsy Kalmeyer, F 50 CO	130	02:20-02:24	04:39-04:45	05:46-05:53	08:06-08:24	13:21-13:54	16:05-16:07	18:43-20:14	23:08	22.20 22.27	25.15.00				DNF
DNF	James Ballard, M 61 OR	103	03:04-03:10	05:46-05:48	07:15-07:23	10:29-10:50	17:01-17:23	20:27-20:43	24:22-24:51	28:46:00						DNF
DNF	Nick Coury, M 24 AZ	118	02:06-02:08	04:03-04:04	05:02-05:02	06:54-06:56	11:11-11:18	13:38-13:47	16:28							DNF
DNF	David Hayes, M 44 UT	136	02:14-02:18	04:10-04:10	05:09-05:10	07:10-07:16	11:35-11:43	14:00-14:24	16:24-17:26							DNF
DNF	Mike Burke, M 61 OR	109	02:38-02:40	05:03-05:04	06:12-06:14	08:39-08:45	13:44-13:59	16:33-16:39	18:45-18:58							DNF
DNF	Mike James, M 40 MT	144	02:52-02:55	05:36-05:43	07:03-07:08	09:47-09:58	15:27-15:48	18:27-18:33	21:11							DNF
DNF	Mike Price, M 61 UT	37	02:45-02:47	05:27-05:31	06:43-06:46	09:18-09:37	15:32-15:59	18:48-18:53	22:15							DNF
DNF	Willie Lambert, M 49 UT	154	02:46-02:52	05:33-05:36	06:57-07:02	09:56-10:06	16:13-16:27	19:20-19:23	22:28							DNF
DNF	Steve Petersen, M 259 OR	173	02:49-02:54	05:43-05:46	07:11-07:14	10:05-10:19	16:41-17:31	20:07-20:15	23:18							DNF
DNF	Scott Snyder, M 56 CO	41	02:58-02:59	05:48-05:50	07:14-07:19	10:02-10:07	16:28-16:28	18:19-19:25	23:19-23:21							DNF
DNF	Gerry Roach, M 68 CO	177	02:54-02:59	05:40-05:43	07:03-07:09	09:58-10:14	16:32-16:59	20:04-20:07	23:26							DNF
DNF DNF	Kristina Irvin, F 53 CA Rickie Redland, F 57 CO	42 38	03:04-03:12 03:02-03:07	05:56-05:59 05:49-05:51	07:24-07:32 07:14-07:18	10:32-10:45 10:17-10:25	16:52-17:16 16:47-17:04	20:10-20:20 20:06-20:08	23:49 24:00:00							DNF DNF
DNF	Jack Jewell, M 57 CO	146	02:53-02:58	05:38-05:41	07:02-07:05	09:54-10:08	16:04-16:23	20:05-20:26	24:30:00							DNF
DNF	Kerry Collings, M 62 UT	40	02:53-02:58	05:36-05:38	07:02-07:06	10:05-10:38	16:50-17:18	20:37-20:50	24:41:00							DNF
DNF	Joe Prusaitis, M 57 TX	175	02:45-02:46	05:45-05:50	07:08-07:11	09:48-10:11	17:14-18:28	21:47-21:55	24:59:00							DNF
DNF	George Hitzfeld, M 51 TX	141	03:05-03:16	06:08-06:12	07:37-07:45	11:10-11:55	18:17-19:04	22:01-22:04	25:23:00							DNF
DNF	Stuart Johnson, M 52 KS	147	02:49-02:52	05:34-05:36	07:01-07:04	10:01-10:13	16:32-16:54	20:21-20:26	25:50:00							DNF
DNF	Tom Stockton, M 51 NM	24	02:33-02:37	04:50-04:50	05:54-05:56	08:07-08:16	13:04-13:20	16:00-16:08	18:53-27:20							DNF
DNF	Richard Knapp, M 59 NM	152	03:18-03:34	06:12-06:18	07:41-07:48	10:45-11:05	18:52-19:38	23:15-23:20	28:00:00							DNF
DNF	Randy Wojno, M 52 CO	26	02:53-03:07	05:54-05:59	07:22-07:27	10:23-10:31	16:32-16:51	20:03-20:13								DNF
	Glenn Mackie, M 49 TX	8	02:15-02:17	04:14-04:14	05:12-05:13	07:13-07:16	11:34									DNF
	Nerea Martinez Urruzola, F 39 SP	164	02:06-02:07	03:59-03:59	04:52-04:53	06:48-06:49	12:50									DNF
	John Machray, M 58 BC		02:47-02:52	06:11-06:19	07:49-07:58	11:05-11:41	14:07									DNF
	James Varner, M 34 WA	185	02:20-02:22	04:28-04:29	05:31-05:33	07:59-08:06	14:34									DNF
DNF	, ,	166	02:43-02:46	05:15-05:20	06:36-06:41	09:24-09:38	15:59									DNF
	Jeff Heasley, M 44 CO	138	02:50-02:53 02:45-02:48	05:36-05:38	07:00-07:02	09:50-10:00	16:00 16:00									DNF DNF
	Steve Pero, M 60 NM Greg Loomis, M 37 VA	1/2	02:45-02:48	05:10-05:10 05:16-05:23	06:29-06:30 06:36-06:39	09:13-09:33 09:39-10:05	16:00 16:24									DNF
	Lance Johnson, M 45 NM	149	02:45-02:52	05:33-05:33	06:54-07:01	09:39-10:05	16:24									DNF
	Odin Christensen, M 64 CO	145	02:47-02:53	05:30-05:33	06:57-07:00	09:57-10:11	16:31									DNF
	Wendell Doman, M 52 CA	36	02:47-02:48	05:48-05:49	07:17-07:19	10:09-10:15	16:44									DNF

						2011 Hard	lrock 100 Re	sults in Ela	apsed Tim	<u>ne</u>						
			8.6 mi	14.7 mi	19.0 mi	28.1 mi	41.5 mi	48.0 mi	55.9 mi	63.8 mi	67.0 mi	72.0 mi	81.3 mi	88.3 mi	93.9 mi	100.5 mi
			Cunningham	Maggie Gulch	Pole Creek	Sherman	Grouse Gulch	Engineer	Ouray	Governor Basin	Kroger's	Telluride	Chapman	КТ	Putnam	Silverton
Place	Runner	Bib	In - Out	In - Out	In - Out	In - Out	In - Out	In - Out	In - Out	In - Out	In - Out	In - Out	In - Out	In - Out	In - Out	In
DNF	Jim Baker, M 61 OK	102	02:58-03:07	05:03-05:04	07:15-07:22	10:16-10:24	16:45									DNF
DNF	Jean-Francois Geiss, M 58	129	02:45-02:47	05:29-05:30	06:56-06:59	09:52-10:10	16:48									DNF
DNF	Allen Wrinkle, M 47 TX	192	02:46-02:54	05:42-05:44	07:08-07:11	10:07-10:41	16:51									DNF
DNF	Markus Wiaderek, M 259 QC	188	02:45-02:47	05:15-05:21	06:49-06:52	09:53-10:14	16:53									DNF
DNF	Rick Pearcy, M 58 CO	43	03:03-03:08	05:50-05:51	07:24-07:27	10:33-10:43	18:21									DNF
DNF	Marty Fritzhand, M 259 OH	44	02:48-02:52	05:42-05:43	07:08-07:13	10:11-10:29	18:22									DNF
DNF	Kathie Lang, F 62 OR	155	03:18-03:34	06:40-06:42	08:10-08:11	11:12-11:19	19:35									DNF
DNF	Roy Heger, M 57 OH	139	03:21-03:24	06:31-06:34	08:03-08:09	11:15-11:31	18:01-20:09									DNF
DNF	Deb Pero, F 57 NM	196	03:15-03:17	06:30-06:34	08:03-08:11	11:15-11:38	20:35									DNF
DNF	Bruce Swanson, M 48 NY	183	02:33-02:34	05:02-05:05	06:21-06:24	9:27										DNF
DNF	Charlie Culver, M 31 CO	119	02:46-02:52	05:37-05:39	07:10-07:14	10:26										DNF
DNF	Elizabeth Bouquet, F 60 CO	107	03:00-03:03	05:55-06:00	07:31-07:34	10:39-10:58										DNF
DNF	Michael Gleman, M 63 FL	131	03:08-03:12	06:36-06:39	08:27-08:30	16:00										DNF
DNF	Stephen Wilkinson, M 47 MA	190	03:54-04:02													DNF

						201	1 Hardrock		e in Time of	f Dov							
			8.6 mi	14.7 mi	19.0 mi	28.1 mi	41.5 mi	48.0 mi	55.9 mi	63.8 mi	67.0 mi	72.0 mi	81.3 mi	88.3 mi	93.9 mi	100.5 mi	
Place	Runner	Bib	Cunningham In - Out	Maggie Gulch In - Out	Pole Creek In - Out	Sherman In - Out	Grouse Guich In - Out	Engineer In - Out	Ouray In - Out	Governor Basin In - Out	Kroger's In - Out	Telluride In - Out	Chapman In - Out	KT In - Out	Putnam In - Out	Silverton In	Finish Time
1	Julien Chorier, M 31, FR	112	07:50-07:51	09:22-09:22	10:08-10:09	11:48-11:49	15:19-15:20	17:05-17:07	18:23-18:26	20:14-20:16	21:23-21:25		01:39-01:42	04:06-04:08	06:03-06:03	7:17	25:17:00
2	Dakota Jones, M 21 CO	150	07:52-07:53	09:30-09:30	10:24-10:24	12:06-12:06	15:32-15:33	17:18-17:19	18:45-18:49	20:46-20:50	21:58-22:05	23:03-23:07	02:55-03:07	05:55-06:03	08:00-08:01	9:10	27:10:00
3	,	114	07:53-07:53	09:33-09:34		12:08-12:12	15:38-15:42	17:13-17:15		20:45-20:51	22:03-22:10		03:09-03:19	06:05-06:10	08:16-08:18	9:43	27:43:00
4	Daniel Levy, M 33, FR	158	07:52-07:52	09:29-09:29	10:17-10:19	12:04-12:14	15:59-16:06	17:57-18:00		21:43-21:47	23:08-23:10		04:43-04:51	07:25-07:27	09:34-09:34	10:57	28:57:00
5	Diana Finkel, F 40 CO	2	07:59-08:00	09:59-10:00		12:40-12:40	16:14-16:14	17:58-17:58	19:36-19:37	21:48-21:49	23:13-23:14	00:22-00:23	04:25-04:28	07:22-07:23	09:52-09:52	11:27	29:27:00
6	Joseph Grant, M 28 CO	195	07:52-07:52	09:29-09:29	10:18-10:19	12:00-12:01	15:38-15:39	17:25-17:26	18:52-18:58	21:33-21:37	23:00-23:03	00:14-00:36			10:18-10:22	11:38	29:38:00
7	Darcy Africa, F 36 CO	3	07:59-08:00	09:50-09:50	10:43-10:43	12:33-12:34	16:16-16:17	18:15-18:16	19:55-19:59	22:06-22:10	23:33-23:35	00:48-00:53	05:42-05:47	08:18-08:21	10:33-10:33	11:46	29:46:00
8	Duncan Callahan, M 29 CO	111	07:55-07:57	09:40-09:40	10:31-10:32	12:23-12:27	16:23-16:23	18:51-18:58	20:37-20:46	22:57-23:06	00:31-00:39	01:51-01:59	06:14-06:26	09:14-09:18	11:29-11:31	12:57	30:57:00
9	Ted Mahon, M 39 CO	4	08:13-08:15	10:11-10:11	11:10-11:12	13:09-13:13	17:18-17:18	19:23-19:24	21:07-21:13	23:37-23:41	01:05-01:10	02:32-02:43	07:05-07:10	09:54-09:57	12:25-12:27	13:55	31:55:00
10	Danny Gnojek, M 44 CO	132	08:18-08:23	10:16-10:17	11:14-11:16	13:13-13:23	17:19-17:28	19:27-19:29	21:21-21:30	23:47-23:55	01:19-01:24	02:42-02:58	07:48-07:53	10:29-10:33	12:54-12:59	14:21	32:21:00
11	Brett Gosney, M 52 CO	6	08:11-08:12	10:05-10:06	11:03-11:04	13:00-13:04	16:53-16:56	18:47-18:50	20:32-20:37	22:55-23:02	00:24-00:28	01:54-02:03	07:13-07:25	10:29-10:37	13:25-13:29	15:14	33:14:00
12	Ryan Cooper, M 37 CO	116	08:05-08:07	10:10-10:11	11:10-11:10	13:11-13:20	17:36-17:44	19:49-19:54	21:32-21:45	00:19-00:31	02:04-02:13	03:30-03:44	08:31-08:33	11:31-11:41	14:23-14:34	16:17	34:17:00
13	Chad Armstrong, M 43 TX	101	08:20-08:22	10:30-10:30	11:33-11:34	13:41-13:44	18:19-18:29	20:43-20:47	22:54-23:09	01:29-01:35	03:05-03:10	04:31-04:42	09:03-09:12	12:26-12:28	15:10-15:13	16:55	34:55:00
14	Matthew Hart, M 36 UT	135	07:53-07:53	09:43-09:43	10:37-10:37	12:25-12:27	16:33-16:38	18:33-18:34	20:08-20:14	22:36-22:48	00:20-00:22	01:46-01:59	08:02-09:31	12:38-12:47	15:41-15:41	16:59	34:59:00
15	Pete Stevenson, M 38 CO	182	07:54-07:54	09:39-09:39	10:31-10:33	12:20-12:22	16:29-16:43	18:34-18:40	20:04-20:16	23:05-00:06	01:23-01:30	02:48-05:08	09:58-10:38	13:27-13:34	15:51-15:53	17:23	35:23:00
16	Erich Peitzsch, M 33 MT	171	08:13-08:16	10:09-10:09	11:09-11:10	13:15-13:21	18:10-18:37	20:53-21:07	23:07-23:31	02:24-02:49	04:34-04:36	06:03-06:12	10:28-10:48	13:41-13:45	16:28-16:28	17:51	35:51:00
17	Billy Simpson, M 56 TN	180	08:25-08:27	10:39-10:40	11:44-11:45	13:57-14:02	19:05-19:13	21:23-21:27	23:36-23:59	02:44-02:55	04:31-04:36	05:57-06:09	10:29-10:40	13:35-13:39	16:27-16:27	17:55	35:55:00
18	Joe Lea, M 41 NC	157	08:13-08:14	10:17-10:19	11:18-11:21	13:20-13:26	18:06-18:06	20:24-20:26	22:17-22:28	01:15-01:25	03:11-03:17	04:36-04:49	09:43-09:47	13:10-13:15	16:08-16:11	17:59	35:59:00
19	Nathan Yanko, M 30 CA	194	08:15-08:16	10:12-10:12	11:09-11:10	13:11-13:12	17:35-17:35	19:31-19:33	21:22-21:33	23:43-23:46	01:16-01:20	02:49-02:56	08:35-10:05	13:17-13:29	16:15-16:18	18:03	36:03:00
20	Scott Eppelman, M 45 TX	126	08:25-08:27	10:30-10:32	11:33-11:35	13:45-13:50	18:21-18:30	20:38-20:42	22:54-23:09	01:56-02:09	03:47-03:52	05:25-05:33	10:03-10:09	13:19-13:30	16:20-16:20	18:14	36:14:00
21	Aaron Spurlock, M 36 ID	181	08:12-08:13	10:13-10:13	11:16-11:18	13:28-13:30	18:00-18:09	20:06-20:08	22:03-22:22	02:33-02:37	02:33-02:37	04:16-04:34	09:26-09:58	13:19-13:30	16:19-16:22	18:26	36:26:00
22	Chris Gerber, M 38 CO	21	08:16-08:18	10:27-10:28	11:31-11:34	13:42-13:51	19:03-19:05	21:28-21:28	23:47-00:39	00:54-00:56	05:08-05:13	06:28-06:54	11:40-11:45	14:33-14:33	17:20-17:22	18:55	36:55:00
23	Mike Ehrlich, M 48 CO	18	08:21-08:24	10:28-10:30	11:34-11:36	13:48-13:49	18:04-18:11	20:15-20:15	22:19-22:31	01:38-01:44	03:27-03:30	05:09-05:22	10:11-10:26	13:41-13:49	16:47-16:57	19:01	37:01:00
24	Garrett Graubins, M 39 CO	11	08:02-08:07	10:05-10:07	11:05-11:06	13:09-13:16	17:30-17:39	19:37-19:38	21:38-22:07	00:56-01:09	03:00-03:04	04:51-05:49	10:30-10:48	13:59-14:22	17:17-17:23	19:11	37:11:00
25	Daniel Benhammou, M 31 CO	250	08:06-08:08	09:58-09:59	10:54-10:54	12:56-13:02	17:31-17:46	19:48-19:50	22:13-22:38	01:14-01:18	03:08-03:10	04:59-05:18	10:16-10:31	13:48-14:21	17:08-17:14	19:16	37:16:00
26	Wayne Rancourt, M 49 ID	176	08:37-08:41	10:44-10:45	11:46-11:49	14:06-14:10	18:53-19:02	21:18-21:19	23:43-00:01	02:41-02:45	04:32-04:34	06:02-06:15	11:01-11:06	14:24-14:30	17:30-17:31	19:35	37:35:00
27	Christian Johnson, M 40 UT	148	08:07-08:09	10:05-10:06	11:02-11:04	12:52-13:04	19:09-20:28	22:32-22:40	00:45-01:07	03:43-03:59	05:28-05:32	06:41-07:04	11:16-11:35	14:37-14:53	17:41-18:10	19:38	37:38:00
28	Ben Corrales, M 38 UT	117	08:14-08:14	10:35-10:37	11:40-11:41	13:52-13:56	18:59-19:06	21:15-21:18	23:31-23:45	02:31-02:38	04:18-04:23	05:58-06:10	10:47-11:07	14:27-14:53	17:41-18:10	19:38	37:38:00
29	David Larsen, M 40 OR	156	08:17-08:19	10:32-10:33	11:45-11:46	13:58-14:05	19:24-19:53	22:03-22:05	00:08-00:32	03:29-03:39	05:29-05:32	06:55-07:04	11:39-11:50	14:53-15:05	18:00-18:10	19:43	37:43:00
30	John Hallsten, M 55 MT	16	08:24-08:26	10:20-10:21	11:20-11:22	13:28-13:34	18:03-18:21	20:36-20:41	23:19-23:54	02:59-03:15	05:11-05:15	06:49-07:04	11:35-11:47	14:58-15:07	18:13-18:13	20:07	38:07:00
31	Blake Wood, M 53 NM	22	07:57-08:00	09:55-09:57	10:53-10:55	12:58-13:10	17:28-17:37	19:33-19:35	21:38-21:57	00:31-00:43	02:27-02:31	04:19-05:24	10:25-10:27	13:59-14:23	17:31-18:04	20:21	38:21:00
32	Scott Kuhn, M 41 CO	153	08:39-08:44	11:01-11:05	12:13-12:16	14:42-14:53	19:54-20:08	22:30-22:37	01:05-01:24	04:08-04:20	05:58-06:02	07:27-07:44	12:08-12:11	15:10-15:23	18:05-18:13	20:22	38:22:00
33	Greg Hartman, M 38 CO	9	08:16-08:18	10:38-10:40	11:46-11:48		19:30-19:52	22:10-22:25		03:41-03:53	05:43-05:46				18:54-19:00	20:40	38:40:00
34	Randy Isler, M 54 NM	28	08:18-08:19	10:20-10:21		13:30-13:33	18:00-18:07	20:19-20:21	22:42-23:00	03:17-03:24	04:40-04:44	06:33-06:44	11:53-12:00		18:59-19:01	20:57	38:57:00
35	Julian Jamison, M 38 MA	145	08:30-08:33	10:46-10:47	11:54-11:56	14:19-14:31	19:39-20:01	22:29-22:34	01:02-01:52	04:32-04:43	06:24-06:31	07:46-08:20	13:11-13:38	16:46-16:53	19:32-19:35	21:02	39:02:00
36	David Pease, M 48 UT	17	08:22-08:25	10:35-10:36		13:59-14:07	19:30-19:42	22:05-22:08		04:14-04:28	06:24-06:30		12:48-13:00		19:21-19:22	21:03	39:03:00
37	Todd Salzer, M 37 CO	30	08:20-08:23	10:28-10:29	11:29-11:32		19:01-19:14	21:24-21:29	23:52-00:33	03:25-03:39	05:28-05:32			14:55-15:14	18:00-18:10	21:14	39:14:00
38	Betsy Nye, F 47 CA	7	08:24-08:27	10:37-10:38		14:06-14:10	19:03-19:05		00:14-00:30	03:16-03:30	05:19-05:25			15:39-15:44		21:17	39:17:00
39	Trevor Garner, M 33 ID	128	08:14-08:16	10:06-10:08		13:02-13:19	19:11-21:10	23:29-23:33	01:58-02:28	05:00-05:05	06:48-06:50	08:07-08:18	12:55-13:16		19:28-19:28	21:31	39:31:00
40	PoDog Vogler, M 45 AR	186	08:30-08:34	10:44-10:45		14:11-14:18	19:58-20:24		01:45-02:10	04:48-04:52	06:35-06:43		12:51-13:15			21:41	39:41:00
41	Michael Popov, M 33 CA	174	08:28-08:29	10:54-10:56	12:11-12:16		20:18-21:18	23:00-23:00		04:32-04:43	06:18-06:20	07:46-07:58	12:51-12:51	16:58-16:58	20:09-20:11	21:49	39:49:00
	Doug Newton, M 35 CO	169	08:37-08:39	10:50-10:51		14:35-14:43	19:43-19:55		01:07-01:24	04:07-04:18				16:40-16:45		21:57	39:57:00
43	Scott Olmer, M 40 CO	20	08:33-08:34	10:51-10:52	11:58-11:59		19:49-20:01	22:36-22:42		04:47-04:52	06:45-06:50		13:11-13:16			22:01	40:01:00
	Philip Wiley, M 50 CO		08:28-08:29	10:43-10:44		14:16-14:25	19:08-19:18	21:27-21:30		03:07-03:09				15:56-16:00		22:09	40:09:00
	Scott Brockmeier, M 49 GA		08:40-08:41	11:04-11:05	12:17-12:19		19:47-20:02	22:15-22:17		03:55-04:04				15:56-16:16		22:13	40:13:00
46	Kris Quandt, M 37 WY		08:27-08:28	10:35-10:37		13:58-14:07	18:55-19:21		00:26-00:52	04:30-05:23				17:51-18:02		22:55	40:55:00
	Jeff List, M 52 MA		08:43-08:46	11:08-11:08	12:25-12:29		20:54-21:03		02:11-02:33	05:25-05:34				17:45-17:51		22:57	40:57:00
48	Paul Schoenlaub, M 52 MO		08:30-08:33	11:05-11:05	12:13-12:15		19:52-20:05		00:59-01:38	04:38-04:43				17:34-17:39		23:18	41:18:00
49	Mark Heaphy, M 49 MT		08:45-08:54	11:20-11:21	12:35-12:38		20:41-21:17		02:44-03:12	06:20-06:22				17:37-17:44		23:51	41:51:00
	Tina Ure, F 52 CA		08:42-08:46	10:59-11:04		14:22-14:40	19:24-19:48	22:03-22:08		04:08-04:28				18:11-18:18		23:58	41:58:00
	Luis De Arriba India, M 44 SP		08:47-08:49	11:18-11:24	12:37-12:39		20:54-21:13	23:50-23:58		05:46-05:56				17:56-18:03		0:04	42:04:00
	Tara Burton, F 39 CO		08:38-08:41	11:00-11:02		14:39-14:53	19:53-20:03		01:30-01:46	04:49-05:08				18:25-18:33		0:14	42:14:00
	Andrea Williams, F 30 CO	191	08:33-08:41	10:55-10:56	12:06-12:09		19:31-19:45	21:59-22:05		03:38-03:53				16:59-17:04		0:22	42:22:00
54	Josh Mietz, M 32 NE	168	07:59-07:59	10:16-10:16	11:29-11:36	13:57-14:05	19:38-21:38	00:08-00:16	02:50-03:17	05:50-06:07	07:48-07:54	09:25-09:48	14:05-14:21	17:40-17:54	21:43-22:11	0:40	42:40:00

						201	1 Hardrock	100 Result	s in Time of	f Dav							
			8.6 mi	14.7 mi	19.0 mi	28.1 mi	41.5 mi	48.0 mi	55.9 mi	63.8 mi	67.0 mi	72.0 mi	81.3 mi	88.3 mi	93.9 mi	100.5 mi	
Place	Runner	Bib	Cunningham In - Out	Maggie Gulch In - Out	Pole Creek In - Out	Sherman In - Out	Grouse Gulch In - Out	Engineer In - Out	Ouray In - Out	Governor Basin In - Out	Kroger's In - Out	Telluride In - Out	Chapman In - Out	KT In - Out	Putnam In - Out	Silverton In	Finish Time
55	Jay Dobrowalski, M 32 CA	125	08:20-08:24	10:47-10:50	11:59-12:06	14:34-14:55	20:24-20:36	23:21-23:29	02:11-02:31	05:18-05:47	07:25-07:37	09:15-09:53	15:15-15:30	19:19-19:37	23:03-23:12	1:45	43:45:00
56	Diane Van Deren, F 51 CO	27	08:29-08:30	10:51-10:52	12:03-12:05		19:51-19:59	22:45-22:50		05:22-05:27	07:18-07:21	09:16-09:26	14:34-14:55	18:37-18:37	23:07-23:10	1:46	43:46:00
57	Kirk Apt, M 49 CO	19	08:33-08:39	10:53-10:56	12:07-12:13	14:43-14:53	19:52-19:55	22:30-22:42	01:16-01:37	04:24-04:42	06:36-06:43	08:24-08:49	14:23-14:41	18:26-18:43	23:03-23:19	1:47	43:47:00
58	Chris Twiggs, M 41 FL	14	08:24-08:27	11:08-11:09	12:29-12:32	15:14-15:18	21:33-22:26	01:30-01:42	04:47-05:04	07:42-07:46	09:24-09:28	10:44-10:53	15:16-15:28	19:09-19:14	23:04-23:19	1:51	43:51:00
59	Dennis Drey, M 60 NM	39	08:48-08:51	11:25-11:29	12:41-12:43	15:15-15:29	20:35-20:37	23:45-23:50	02:45-03:08	06:19-06:26	08:11-08:15	09:48-10:05	15:20-15:34	19:20-19:31	23:04-23:13	1:57	43:57:00
60	Tim Long, M 44 CO	197	08:20-08:26	10:29-10:31	11:29-11:33	13:41-13:50	18:55-19:16	21:40-22:13	00:40-01:20	04:07-04:18	05:49-05:56	07:23-07:40	12:40-13:04	17:37-17:50	22:33-23:10	2:17	44:17:00
61	Marcy Beard, F 42 NY	104	08:57-09:00	11:28-11:28	12:38-12:41	15:15-15:30	21:20-21:23	00:10-00:15	03:11-03:25	06:57-07:03	08:57-09:02	10:30-10:49	16:25-16:45	20:19-20:26	00:05-00:07	2:32	44:32:00
62	Rich DeSimone, M 60 MT	123	08:46-08:51	11:14-11:15	12:31-12:33	15:14-15:22	20:40-20:55	23:35-23:43	02:44-02:59	05:42-05:52	07:43-07:48	09:39-09:57	14:38-15:10	19:05-19:16	23:53-23:59	2:41	44:41:00
63	Mike Mason, M 41 NC	165	08:13-08:14	10:20-10:20	11:21-11:24	13:22-13:28	17:22-17:26	19:25-19:26	21:32-21:46	04:06-05:32	07:08-07:13	08:40-08:50	13:58-14:59	19:37-19:44	00:05-00:05	2:51	44:51:00
64	Rodger Wrublik, M 54 CO	193	08:49-08:50	11:27-11:28	12:44-12:45	15:28-15:33	21:37-21:54	00:45-01:00	03:39-04:16	07:39-08:17	10:11-10:16	11:50-12:05	17:45-17:58	21:26-21:28	01:04-01:06	3:13	45:13:00
65	Neil Blake, M 46 NM	105	08:33-08:39	11:00-11:02	12:12-12:13	14:43-14:53	20:08-20:09	23:20-23:28	02:51-03:18	06:49-06:55	08:36-08:40	10:16-10:35	16:04-16:30	19:58-20:02	23:55-00:01	3:13	45:13:00
66	Ken Ward, M 54 OR	34	08:33-08:39	11:09-11:11	12:29-12:31	15:13-15:34	20:54-21:21	00:00-00:08	02:52-03:22	06:22-06:31	08:18-08:22	09:56-10:27	15:40-16:09	20:00-20:09	00:09-00:20	3:18	45:18:00
67	Joe Salette, M 61 CO	178	08:42-08:47	11:15-11:19	12:34-12:34	15:14-15:26	20:45-21:05	23:34-23:41	02:44-03:20	06:20-06:29	08:05-08:11	10:04-10:24	16:43-16:43	20:24-20:47	00:50-00:56	3:47	45:47:00
68	Bruce Grant, M 46 BC	198	08:23-08:26	10:48-10:48	11:51-11:53	14:11-14:18	19:27-19:48	21:26-22:33	00:58-01:33	04:54-05:47	07:43-07:51	09:18-09:48	15:31-15:59	20:15-20:37	01:02-01:10	3:55	45:55:00
69	Robert Andrulis, M 44 AZ	200	08:38-08:43	11:13-11:16	12:34-12:38	15:19-15:42	21:32-21:56	00:28-00:32	03:22-03:58	07:12-07:12	09:16-09:22	11:08-11:30	16:58-17:19	20:49-20:55	01:10-01:12	4:05	46:05:00
70	Ken Gordon, M 46 NM	133	08:33-08:36	10:56-11:01	12:11-12:15	14:39-14:48	20:25-21:18	00:45-01:23	04:06-05:14	07:55-08:01	09:50-10:06	11:24-11:39	16:55-17:33	21:33-22:17	02:09-02:14	4:21	46:21:00
71	Kristen Kern, M 47 NM	25	08:47-08:51	11:25-11:29	12:38-12:40	15:08-15:21	20:49-21:34	00:17-00:27	03:12-04:04	07:11-07:31	09:22-09:27	10:55-11:19	17:17-17:40	21:33-21:59	01:59-02:10	4:33	46:33:00
72	Larry Hall, M 57 IL	134	08:24-08:29	10:52-10:53	12:07-12:08	14:38-14:48	19:57-20:12	23:02-23:18	02:58-03:31	06:16-06:32	08:22-08:28	10:00-10:21	15:29-15:51	20:03-20:05	01:28-01:33	4:51	46:51:00
73	Douglas Long, M 29 HI	160	08:46-08:46	11:15-11:22	12:39-12:44	15:22-15:35	21:10-21:46	02:00-02:07	04:46-05:09	07:52-08:15	10:11-10:20	11:50-12:05	17:31-18:12	22:07-22:40	02:37-02:42	4:57	46:57:00
74	James Ficke, M 50 TX	127	08:29-08:30	10:48-10:49	12:11-12:15	14:40-14:51	20:07-20:27	22:58-23:05	02:11-04:01	06:52-06:55	08:44-08:50	10:25-11:00	17:16-17:25	21:25-21:34	01:59-02:04	5:01	47:01:00
75	Ryan Martin, M 42 CO	163	08:45-08:49	11:20-11:25	12:48-12:51	15:40-15:51	21:42-21:57	00:37-00:45	03:56-04:16	07:27-07:35	09:29-09:34	11:20-11:35	17:38-17:48	22:07-22:20	02:27-02:34	5:19	47:19:00
76	Stan Ferguson, M 48 AR	31	08:45-08:53	11:11-11:12	12:23-12:26	15:04-15:15	20:53-21:31	00:31-00:35	03:23-04:05	07:04-07:08	09:20-09:29	11:11-11:12	16:59-17:15	21:42-21:56	02:28-02:32	5:23	47:23:00
77	Wolfgang Hoefle, M 51 GER	142	08:47-08:52	11:36-11:42	13:07-13:12	16:09-16:26	22:42-23:01	02:10-02:23	05:18-05:56	09:04-09:17	11:27-11:33	13:06-13:17	19:03-19:18	23:25-23:31	03:05-03:05	5:30	47:30:00
78	Scott Tomchick, M 46 WA	184	09:08-09:11	11:35-11:36	12:54-12:59	16:00-16:15	22:18-22:38	01:15-01:21	04:11-04:45	07:27-07:39	09:22-09:30	11:17-11:49	16:51-17:13	20:54-21:11	00:30-00:39	5:31	47:31:00
79	Bob Combs, M 44 OH	115	08:47-08:53	11:31-11:32	12:46-12:49	15:31-15:41	21:34-21:57	00:51-00:57	03:49-04:16	07:55-08:11	10:16-10:25	11:52-12:04	18:40-19:05	23:46-23:52	03:20-03:21	5:40	47:40:00
80	Gregory Trapp, M 49 OH	29	09:12-09:19	12:08-12:15	13:32-13:38	16:23-16:37	22:35-23:11	02:00-02:06	05:07-05:51	08:50-09:02	11:13-11:18	12:45-12:54	18:23-18:35	23:04-23:21	03:05-03:07	5:40	47:40:00
DNF	Les Jones, M 53 TN	151	08:45-08:48	11:38-11:41	13:02-13:05	15:55-16:13	22:22-22:25	01:45-01:47	05:02-05:21	08:16-08:21	10:32-10:38	12:48-13:05	18:44-19:07	23:27-23:38	03:39-03:39	6:00	DNF
DNF	Adam Watters, M 39 NM	187	08:47-08:54	11:39-11:43	13:11-13:17	16:16-16:39	23:26-00:58	04:07-04:57	07:17-07:50	10:50-11:01	13:11-13:17	14:48-15:10	20:34-20:54	00:36-01:01	04:12-04:13	6:00	DNF
DNF	Rick Hoopes, M 57 NE	143	08:38-08:39	11:03-11:05	12:11-12:14	14:41-14:52	19:44-19:48	22:13-22:18	00:34-00:56	03:28-03:37	05:37-05:43	07:15-07:32	13:43-13:50	18:33			DNF
DNF	Howard Breinan, M 43 CT	108	08:33-08:34	11:04-11:06	12:14-12:17	14:31-14:45	19:38-20:03	22:37-22:47	01:06-01:31	04:31-04:42	06:29-06:33	07:58-08:44	13:40-14:05	18:04-19:10			DNF
DNF	Eric (Rick) Hodges, M 62 CO	45	08:46-08:52	11:12-11:15	12:31-12:34	15:19-15:49	21:27-22:02	01:02-01:10	04:18-05:24	08:27-08:45	10:39-10:47	12:29-13:10	18:10-18:32	23:34			DNF
DNF	Karl Meltzer, M 44 UT	167	07:59-07:59	09:53-09:53	10:50-10:51	12:42-12:44	16:14-16:14	18:01-18:03	19:25-19:27	21:33-21:38	22:54-22:57	23:59-00:23	6:58				DNF
DNF	Zach Hermsen, M 34 CO	140	08:15-08:16	10:11-10:12	11:10-11:11	13:12-13:17	17:46-17:55	19:54-19:57	22:03-22:14	00:45-00:52	02:49-02:54	04:55-05:25	11:09				DNF
DNF	Tim Stroh, M 49 WA	10	08:24-08:26	10:37-10:40	11:45-11:46	13:58-14:09	18:54-19:04	21:15-21:19	23:30-00:14	02:46-03:01	04:33-04:36	05:57-06:09	11:35				DNF
DNF	Andrew Heard, M 45 AZ	137	08:08-08:10	10:11-10:12	11:07-11:08	13:09-13:13	17:52-17:52	20:12-20:14	22:34-22:57	01:37-01:41	03:46-03:52	05:50-06:10	13:37				DNF
DNF	Allan Holtz, M 61 MN	199	09:26-09:28	12:45-12:46	14:12-14:13	17:26-17:30	01:14-01:26	04:55-04:58	07:49-07:55	11:43-11:45	13:48-13:55	15:45-16:00	23:39				DNF
DNF	Jean Jacques D'Aquin, M 72 CO	121	09:12-09:17	12:15-12:18	13:57-14:05	17:01-17:17	00:21-00:55	03:55-03:55	06:57-07:30	11:08-11:17	14:03-14:10	16:25-16:29	0:04				DNF
DNF	Jennifer Roach, F 58 CO	46	09:09-09:12	12:11-12:13	13:40-13:44	16:53-17:00	00:18-00:33	04:17-04:22	07:52-08:01	11:43-11:49	14:28-14:33	16:34-16:41	1:01				DNF
DNF	Jared Campbell, M 32 UT	1	07:53-07:54	09:33-09:33	10:24-10:24	12:18-12:20	16:08-16:09	18:02-18:04	19:41-19:47	22:18-23:28	00:51-00:55	3:52					DNF
DNF	Bill Geist, M 41 NM	130	08:30-08:32	10:39-10:40	11:42-11:43	13:49-13:59	18:14-18:26	20:34-20:36	22:44-23:09	02:06-02:33	04:20-04:27	7:13					DNF
DNF	Betsy Kalmeyer, F 50 CO	12	08:20-08:24	10:39-10:45	11:46-11:53	14:06-14:24	19:21-19:54	22:05-22:07	00:43-02:14	5:08							DNF
DNF	James Ballard, M 61 OR	103	09:04-09:10	11:46-11:48		16:29-16:50		02:27-02:43	06:22-06:51	10:46							DNF
DNF	Nick Coury, M 24 AZ	118	08:06-08:08	10:03-10:04	11:02-11:02	12:54-12:56	17:11-17:18	19:38-19:47	22:28								DNF
DNF	David Hayes, M 44 UT	136	08:14-08:18	10:10-10:10	11:09-11:10	13:10-13:16	17:35-17:43	20:00-20:24	22:24-23:26								DNF
DNF	Mike Burke, M 61 OR	109	08:38-08:40	11:03-11:04	12:12-12:14	14:39-14:45	19:44-19:59	22:33-22:39	00:45-00:58								DNF
	Mike James, M 40 MT		08:52-08:55	11:36-11:43				00:27-00:33	3:11								DNF
	Mike Price, M 61 UT		08:45-08:47	11:27-11:31		15:18-15:37		00:48-00:53	4:15								DNF
DNF	Willie Lambert, M 49 UT		08:46-08:52	11:33-11:36	12:57-13:02	15:56-16:06	22:13-22:27	01:20-01:23	4:28								DNF
	Steve Petersen, M 259 OR		08:49-08:54	11:43-11:46		16:05-16:19	22:41-23:31	02:07-02:15	5:18								DNF
	Scott Snyder, M 56 CO		08:58-08:59	11:48-11:50				00:19-01:25	05:19-05:21								DNF
	Gerry Roach, M 68 CO		08:54-08:59	11:40-11:43			22:32-22:59	02:04-02:07	5:26								DNF
DNF	Kristina Irvin, F 53 CA	42	09:04-09:12	11:56-11:59	13:24-13:32	16:32-16:45		02:10-02:20	5:49								DNF
	Rickie Redland, F 57 CO	38	09:02-09:07	11:49-11:51		16:17-16:25	22:47-23:04	02:06-02:08	6:00								DNF
DNF	Jack Jewell, M 57 CO	146	08:53-08:58	11:38-11:41	13:02-13:05	15:54-16:08	22:04-22:23	02:05-02:26	6:30								DNF

						201	1 Hardrock	100 Result	s in Time of	f Day							
Place	Runner	Bib	8.6 mi Cunningham In - Out	14.7 mi Maggie Gulch In - Out	19.0 mi Pole Creek In - Out	28.1 mi Sherman In - Out	41.5 mi Grouse Gulch In - Out	48.0 mi Engineer In - Out	55.9 mi Ouray In - Out	63.8 mi Governor Basin In - Out	67.0 mi Kroger's In - Out	72.0 mi Telluride In - Out	81.3 mi Chapman In - Out	88.3 mi KT In - Out	93.9 mi Putnam In - Out	100.5 mi Silverton In	Finish Time
DNF	Kerry Collings, M 62 UT	40	08:53-08:58	11:36-11:38	13:02-13:06	16:05-16:38	22:50-23:18	02:37-02:50	6:41								DNF
DNF	Joe Prusaitis, M 57 TX	175	08:45-08:46	11:45-11:50	13:08-13:11	15:48-16:11	23:14-00:28	03:47-03:55	6:59								DNF
DNF	George Hitzfeld, M 51 TX	141	09:05-09:16	12:08-12:12	13:37-13:45	17:10-17:55	00:17-01:04	04:01-04:04	7:23								DNF
DNF	Stuart Johnson, M 52 KS	147	08:49-08:52	11:34-11:36	13:01-13:04	16:01-16:13	22:32-22:54	02:21-02:26	7:50								DNF
DNF	Tom Stockton, M 51 NM	24	08:33-08:37	10:50-10:50	11:54-11:56	14:07-14:16	19:04-19:20	22:00-22:08	00:53-09:20								DNF
DNF	Richard Knapp, M 59 NM	152	09:18-09:34	12:12-12:18	13:41-13:48	16:45-17:05	00:52-01:38	05:15-05:20	10:00								DNF
DNF	Randy Wojno, M 52 CO	26	08:53-09:07	11:54-11:59	13:22-13:27	16:23-16:31	22:32-22:51	02:03-02:13									DNF
DNF	Glenn Mackie, M 49 TX	8	08:15-08:17	10:14-10:14	11:12-11:13	13:13-13:16	17:34										DNF
DNF	Nerea Martinez Urruzola, F 39 SP	164	08:06-08:07	09:59-09:59	10:52-10:53	12:48-12:49	18:50										DNF
DNF	John Machray, M 58 BC	162	08:47-08:52	12:11-12:19	13:49-13:58	17:05-17:41	20:07										DNF
DNF	James Varner, M 34 WA	185	08:20-08:22	10:28-10:29	11:31-11:33	13:59-14:06	20:34										DNF
DNF	Ryan McDonald, M 38 CA	166	08:43-08:46	11:15-11:20	12:36-12:41	15:24-15:38	21:59										DNF
DNF	Jeff Heasley, M 44 CO	138	08:50-08:53	11:36-11:38	13:00-13:02	15:50-16:00	22:00										DNF
DNF	Steve Pero, M 60 NM	172	08:45-08:48	11:10-11:10	12:29-12:30	15:13-15:33	22:00										DNF
DNF	Greg Loomis, M 37 VA	161	08:45-08:52	11:16-11:23	12:36-12:39	15:39-16:05	22:24										DNF
DNF	Lance Johnson, M 45 NM	149	08:45-08:47	11:33-11:33	12:54-13:01	15:44-16:09	22:31										DNF
DNF	Odin Christensen, M 64 CO	113	08:47-08:53	11:30-11:33	12:57-13:00	15:57-16:11	22:31										DNF
DNF	Wendell Doman, M 52 CA	36	08:47-08:48	11:48-11:49	13:17-13:19	16:09-16:15	22:44										DNF
DNF	Jim Baker, M 61 OK	102	08:58-09:07	11:03-11:04	13:15-13:22	16:16-16:24	22:45										DNF
DNF	Jean-Francois Geiss, M 58	129	08:45-08:47	11:29-11:30	12:56-12:59	15:52-16:10	22:48										DNF
DNF	Allen Wrinkle, M 47 TX	192	08:46-08:54	11:42-11:44	13:08-13:11	16:07-16:41	22:51										DNF
DNF	Markus Wiaderek, M 259 QC	188	08:45-08:47	11:15-11:21	12:49-12:52	15:53-16:14	22:53										DNF
DNF	Rick Pearcy, M 58 CO	43	09:03-09:08	11:50-11:51	13:24-13:27	16:33-16:43	0:21										DNF
DNF	Marty Fritzhand, M 259 OH	44	08:48-08:52	11:42-11:43	13:08-13:13	16:11-16:29	0:22										DNF
DNF	Kathie Lang, F 62 OR	155	09:18-09:34	12:40-12:42	14:10-14:11	17:12-17:19	1:35										DNF
DNF	Roy Heger, M 57 OH	139	09:21-09:24	12:31-12:34	14:03-14:09	17:15-17:31	00:01-02:09										DNF
DNF	Deb Pero, F 57 NM	196	09:15-09:17	12:30-12:34	14:03-14:11	17:15-17:38	2:35										DNF
DNF	Bruce Swanson, M 48 NY	183	08:33-08:34	11:02-11:05	12:21-12:24	15:27											DNF
DNF	Charlie Culver, M 31 CO	119	08:46-08:52	11:37-11:39	13:10-13:14	16:26											DNF
DNF	Elizabeth Bouquet, F 60 CO	107	09:00-09:03	11:55-12:00	13:31-13:34	16:39-16:58											DNF
DNF	Michael Gleman, M 63 FL	131	09:08-09:12	12:36-12:39	14:27-14:30	22:00											DNF
	Stephen Wilkinson, M 47 MA		09:54-10:02														DNF

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.

- *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!
- 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.
- *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.
- *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.
- *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.
- *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.
- *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.

- *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.
- *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.
- *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.
- *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.
- 2011 Leo Lloyd [to be provided]

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.

When	What	Where
0700	Silverton Blue Ribbon 10 K Race	Memorial Park
1000	4 th of July Parade – Featuring the Hardrock	Main Street
	Precision Marching Team – You are invited!!	
aturday & Sunday,	July 6-7, 2013	
When	What	Where
Saturday	Trail Work	Ouray Bear Creek Tunnel
Sunday	Trail Work	Contact Rick Trujillo
Vednesday, July 10,	2013	
When	What	Where
1200-1600	Runner check-in	Silverton High School gym
1300-1600	Pot Lick	Memorial Park
1600	Trail briefing - voluntary loooooong version	TBD
Thursday, July 11, 2	013	
When	What	Where
0800-1100 *	Runner check-in	Silverton High School gym
1200	Mandatory runner briefing	Silverton High School gym
1400	Volunteer briefing	Silverton High School gym
1500	Drop bag deadline	Silverton High School gym
TBD	Fund raiser dinner	TBD
	heck in by 1100 hours or lose their entry in the run.	
Friday, July 12, 2013		
When	What	Where
0400	Breakfast	Local restaurants – to be announced
0500	Mandatory runner check-in	Silverton High School gym
0600	Start	Silverton High School gym
aturday, July 13, 20	013	
When	What	Where
On-going	Still busy/info available	Silverton High School gym
On going		
5 5		
Sunday, July 14, 201 When	What	Where
Sunday, July 14, 201		Where Silverton High School gym
Sunday, July 14, 201 When	What	
Sunday, July 14, 201 When 0600	What Last official finisher arrives	Silverton High School gym