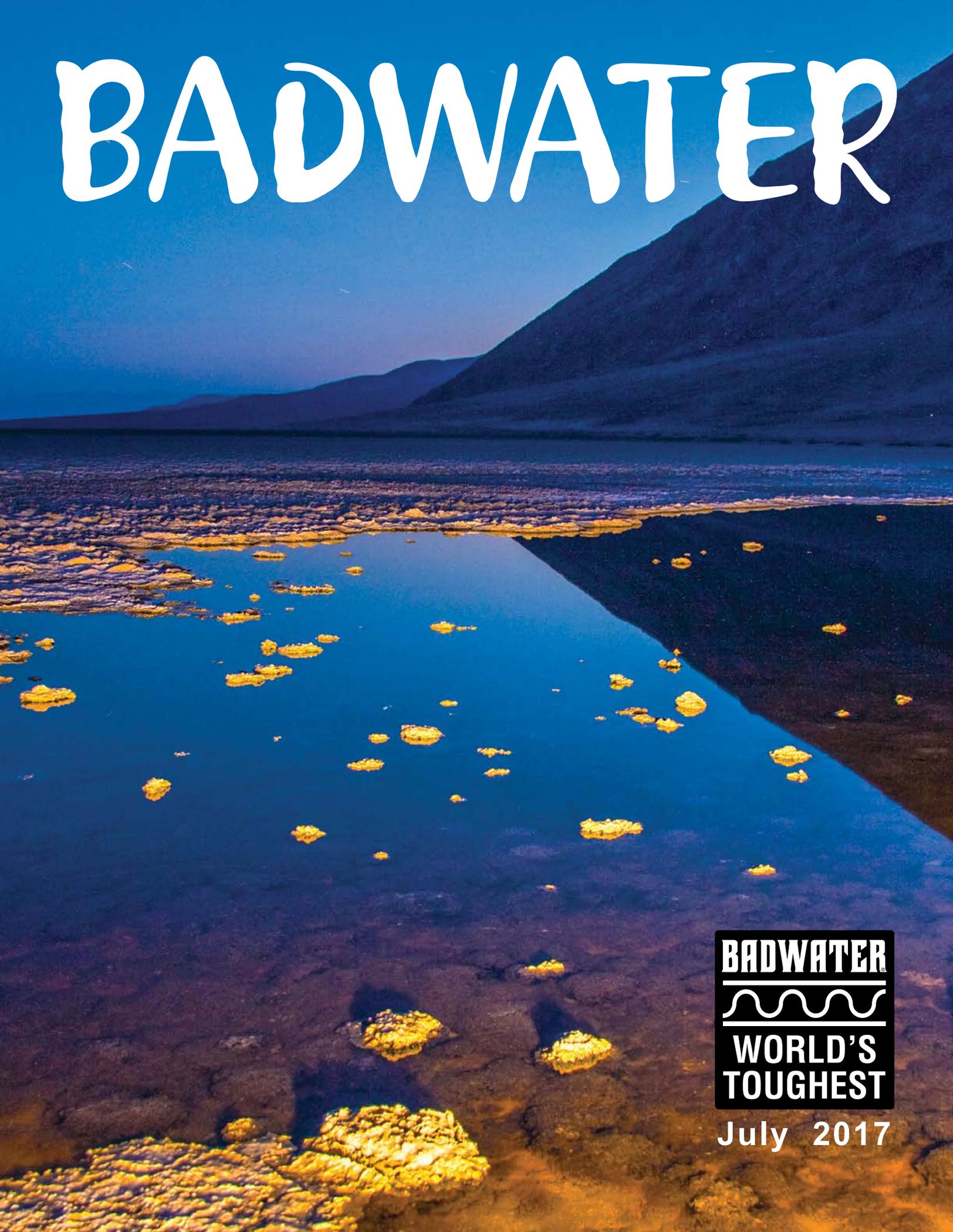
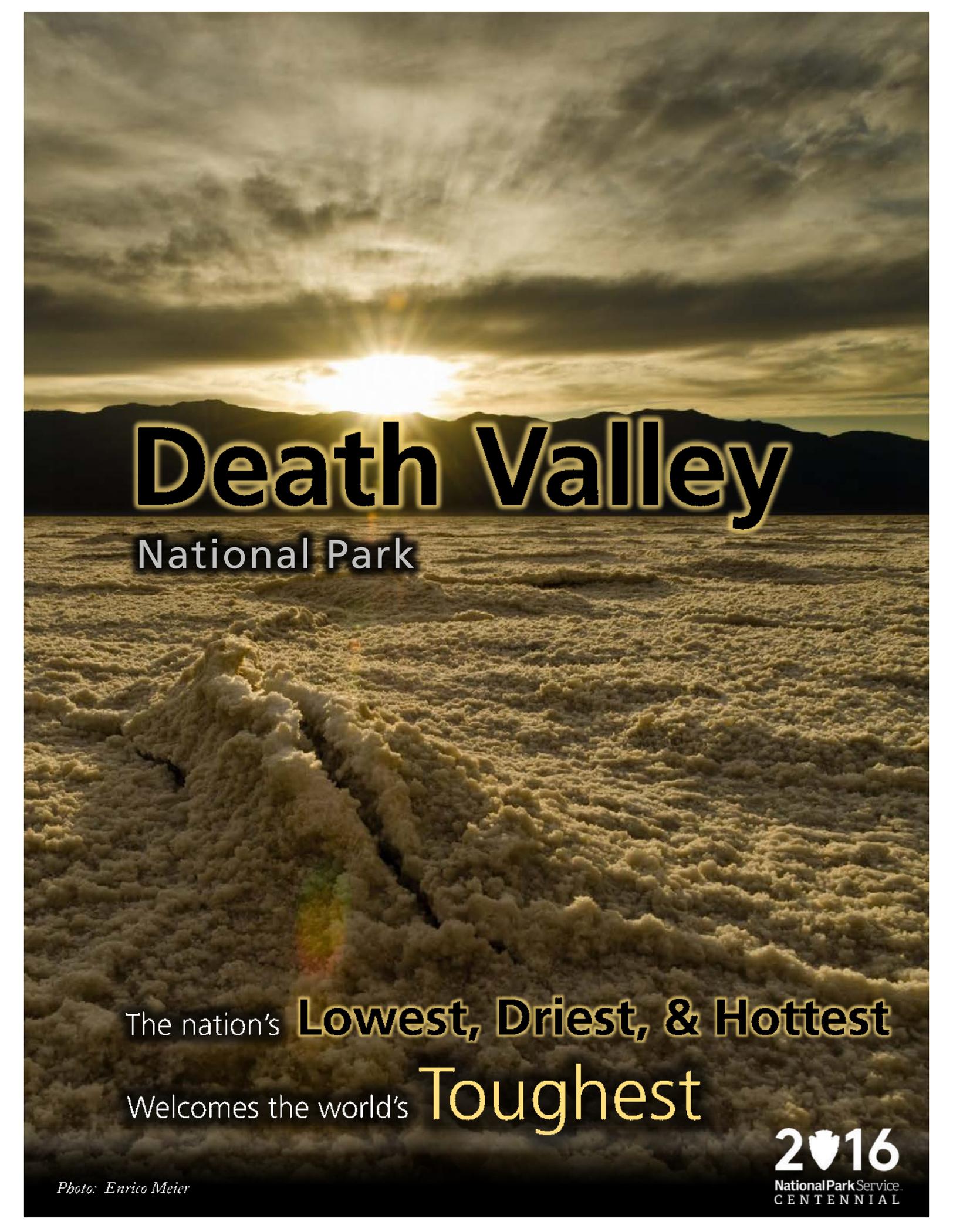


BADWATER



BADWATER
~~~~~  
**WORLD'S  
TOUGHEST**

July 2017



# Death Valley

National Park

The nation's **Lowest, Driest, & Hottest**

Welcomes the world's **Toughest**

*Photo: Enrico Meier*

**2016**  
National Park Service  
CENTENNIAL



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**You will push yourself harder than you ever thought possible, testing every preconceived notion of what our bodies are capable of.**

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**Your Body, Your Lab™**



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Designed with ❤️ in Scottsdale, AZ

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"Out There Since 1984"

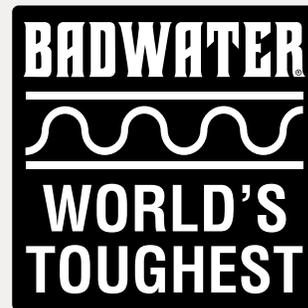


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Badwater 135 official finisher Ian Parker.

Design and Layout by Kevin Fung, kevin@kfungdesign.com



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what you touch and  
making it fun makes  
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*- Jerry H, genl mgr  
for largest client*



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*Chris with Alex Ramsey*



*Chris with Ashley Lindsey*



*Chris with Pablo Segura Romero*



*Chris with Kayla and Kevin Delk*

Welcome to the July 2017 edition of BADWATER® Magazine! We are AdventureCORPS®, an athlete-run firm producing and promoting ultra-endurance sports events and the BADWATER® brand. Adventure is our way of life, so we are pleased to host the 40th anniversary STYR Labs Badwater® 135, known globally as “the world’s toughest foot race,” on July 10-12, 2017.

This year’s race celebrates the 40th anniversary of Al Arnold’s original trek from Badwater to Mt. Whitney in 1977. Arnold, an ultrarunning pioneer and human potential guru, competed in a solo effort: it was just Arnold and his support crew against the elements and the clock. It took four more years until Jay Birmingham also completed the course, in 1981. The official head-to-head race began ten years after Arnold’s pioneer trek, in 1987, and has been held annually since then without serious incident, fatality, or any citations issued by any branch of law enforcement.

As always, we tip our hat to the National Park Service, which celebrated their 100th birthday last year. Death Valley is the largest U.S. National Park outside Alaska at 3.4 million acres. Nearly 1000 miles of paved and dirt roads provide access to locations both popular and remote. Even so, 91% of the park is protected as officially designated Wilderness. That wild country includes low valley floors crusted with barren salt flats, rugged mountains rising as much as 11,000 feet, deep and winding canyons, rolling sand dunes, and spring-fed oases. We call it “Mother Nature’s greatest sports arena.”

The STYR Labs Badwater 135 is the final event in the Badwater® Ultra Cup, a three race series which began with the 51-mile Badwater® Cape Fear in March, continued with the 81-mile Badwater® Salton Sea in April, and now concludes with the STYR Labs Badwater 135 in July. Those runners who complete all three events in the same calendar year are featured on the Badwater.com website and their virtues are extolled throughout the Internet and in BADWATER Magazine. This year, nineteen athletes have completed the first two Badwater races and will now toe the line at the third and final race.

A true “challenge of the champions,” the legendary STYR Labs Badwater 135 pits up to 100 of the world’s toughest athletes—representing 19 countries and 21 American states in 2017—against one another and the elements. Covering 135 miles (217km) non-stop from the bottom of Death Valley to high on Mt. Whitney, CA, in the hottest time of the year, the STYR Labs Badwater 135 is the most demanding and extreme running race offered anywhere on the planet.

The start line is at Badwater Basin, Death Valley, which marks the lowest elevation in North America at 280’ (85m) below sea level. The first 86.4 miles of the race course fall within Death Valley National Park. The Badwater 135 course covers three mountain ranges for a total of 14,600’ (4450m) of cumulative vertical ascent and 6,100’ (1859m) of cumulative descent. Whitney Portal is the trailhead to the Mt. Whitney summit, the highest point in the contiguous United States, and serves as the finish line.

Now in its eighteenth year producing this race, AdventureCORPS is pleased to welcome our title sponsor, STYR Labs—an innovative nutrition customization and tracking platform delivering cutting-edge supplements to connected athletes and health and fitness consumers worldwide. The advanced ecosystem includes an activity tracker, wireless scale and free app that collects health and fitness data to create personalized multivitamins or protein blends specific to the user’s health and fitness goals and needs. The STYR Labs founder, Sergio Radovic, is a well-known Badwater 135 veteran with three consecutive Badwater 135 finishes.

We also greatly appreciate the support of Farm to Feet Socks, Caring House Project Foundation, ZZYXXXZ, and ZombieRunner.com, plus the local support of Furnace Creek Ranch, Stovepipe Wells Resort, Panamint Springs Resort, Dow Villa, Pizza Factory, the community of Lone Pine, CA, the people of Inyo County, and other generous companies and individuals.

Additionally, we salute the National Park Service, U.S. Forest Service, Inyo County, California Department of Transportation, and California Highway Patrol, whose staff—and permits—oversee this event. Finally, this race could not be held without the nearly 50 amazing, tireless, wonderful volunteers who make it all happen! We thank them especially!

Yours in sport,

*Chris Kostman*

Race Director and Chief Adventure Officer

# AL ARNOLD, THE JOGGERNAUT

## Memories from the man who went first, proving it possible:

In early 1961 I was invited to a gathering of scuba divers in Oakland. The guest speaker was Jacques Cousteau. At the end of his speech, he mingled with the club members in their bright dive club jackets. I wasn't a member and so didn't have the jacket. When they introduced me to Mr. Cousteau, he asked if I was a diver. A member said, "no, Jacques, he's a jogger." He flapped his arms and pointed at the sky and said "astronaut," then he pointed at the floor with swimming motions and said "aquanaut." Then he raised my arm overhead and said "Al, the joggernaut!" and everyone cheered.

That's the inception of the word "joggernaut," which is how I was introduced to the Badwater 135 runners when I came to spectate the race in 2002.

Back in 1977 when I ran from Badwater to Mt. Whitney, there were humorous moments and there were serious moments:

I was running along my myself by Artist's Canyon and this limousine came driving along. It pulled over and all these gorgeous women from Belgium got out. They wanted to know what I was doing, and then posed for pictures with me. I spent some time with them, but not enough, ha ha! The temperature was, of course, very hot. As a result, there was a mirage across the road and after they pulled away and headed down the road, it looked like the limo just ascended into the sky.

Later I made it to Panamint Springs and the Department of Transportation was stopping traffic from traveling up Hwy 190. There was demolition going on and there would be an eight-hour delay on the Father Crowley climb. Not wanting to wait eight hours, I grabbed two gallons of water and headed north, then west into the Panamint Valley desert. Eventually I ascended a rocky canyon all the way up to Father Crowley checkpoint, with the Cal Trans crews honking their horns so I would know which way to climb.

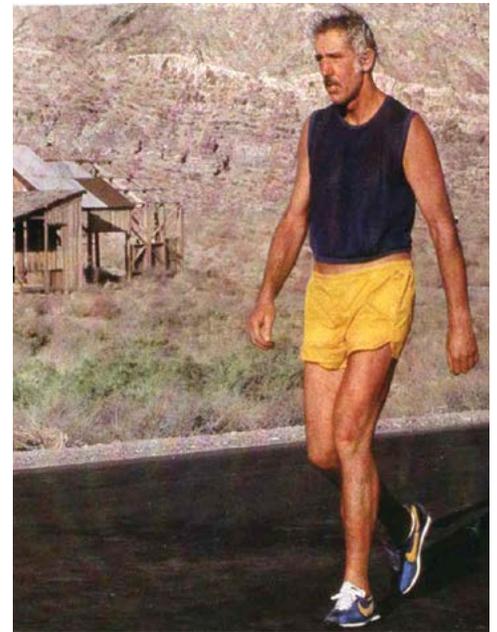
When I got back to the road, my only remaining crew member was Eric. I essentially was abandoned by the rest of my crew. (Earlier they had gone into Artist's Canyon and I didn't see them again until Stovepipe Wells. Fortunately Cal Trans came along and gave me water.)

Simply put, without the crew, there can be no runner, so I'm thankful to Eric for sticking with me for the whole run. Crew members have to train for the heat, be alert, and take this very, very seriously. It could be a matter of life and death.

Two weeks after my 1977 run from Badwater to Mt. Whitney, I was in Hawaii, at the beach. I was hit by by a wave and totally paralyzed. At the hospital I was diagnosed with Brown-Siccard Syndrome. They gave me a walker and said maybe in a year I would be able to walk a few steps. I gave them the walker back and told them to give it somebody who could use it.

Three days short of one year later, I ran around Lake Tahoe, 72 miles. Without a walker.

The body follows the mind, and with hard work and dedication, anything is possible!



*NOTE: Al Arnold is the Neil Armstrong and Edmund Hillary of ultramarathons, the first to run between Badwater and Mount Whitney, back in 1977, after two failed attempts in 1974 and 1975. He became the first inductee into the Badwater Hall of Fame in 2002, on the 25th anniversary of his historic run, and remains a staunch friend and fan of the race. He lives in Walnut Creek, CA and is 89 years old. His birthday is February 4, 1928. He can be reached by email at [alarnold1977@msn.com](mailto:alarnold1977@msn.com) and loves hearing from fellow ultrarunners. His essays are archived on the [Badwater.com](http://Badwater.com) website.*



# JAY BIRMINGHAM, THE SECOND PIONEER

One year before I set foot in Death Valley in 1981, I met Gary Morris at a running shop on the eve of my third attempt to run solo from Los Angeles to New York City. “What are you going to wear in the desert?” he asked.

In an hour, I’d been given a gauzy hooded shirt that would blunt the 100+ degree heat of the Mojave and dozens of heat-wave days in the Midwest.

Gary Morris was preparing to challenge Al Arnold’s 84-hour mark for the 146 miles from Badwater to the summit of Mt. Whitney, a feat I’d read about in RUNNER magazine. Morris later wrote to me that he’d stopped at Townes Pass, unable to handle food.

In the year that followed, I pondered whether to give Arnold’s record a shot. On paper, it seemed possible. My confidence to handle extreme heat was high. My summer vacation from teaching science gave me time to prepare. My wife and three kids would be my support crew.

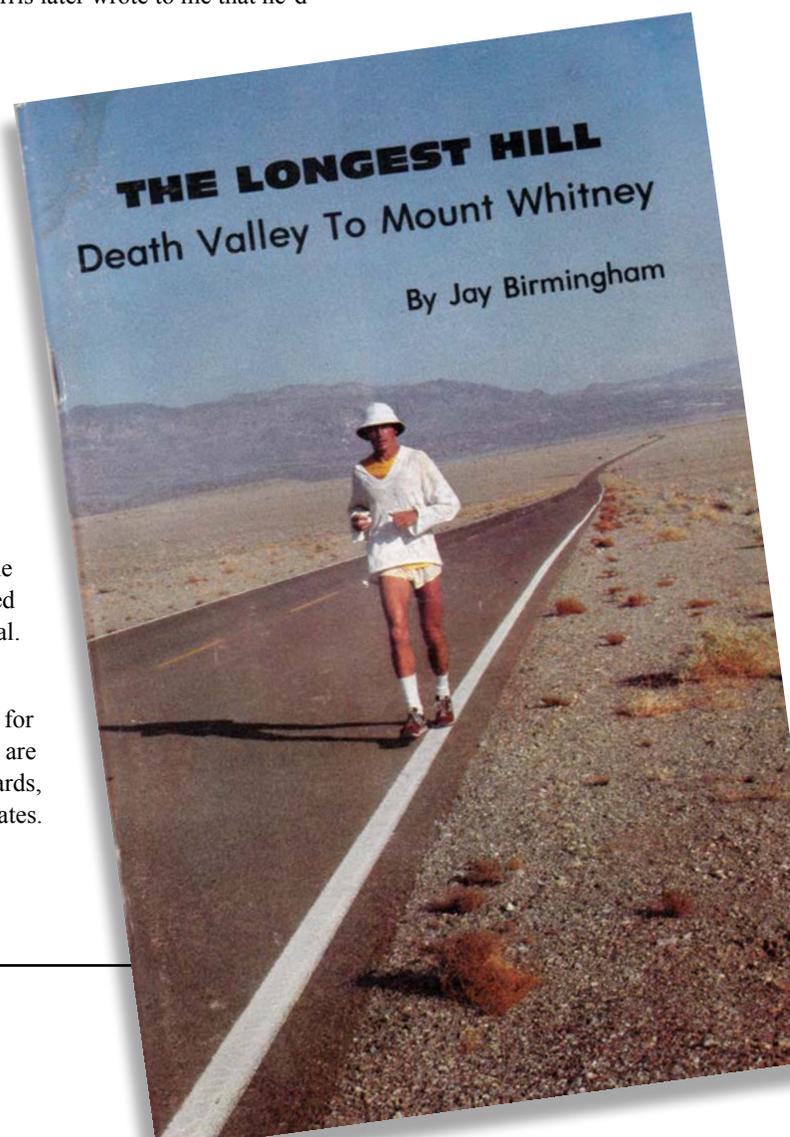
As I lived in north Florida, I trained on stairs, bridges, and sand dunes to strengthen my legs. One hundred mile weeks in heavy clothing enhanced my acclimation to heat.

The details of my 1981 success are in *The Longest Hill*, my book which Chris Kostman has posted on the Badwater website. In short, I covered Arnold’s route in 75 hrs, 34 minutes. Max Telford (NZ) shattered my mark in 1982; Morris became the fourth to cover the route in 1983. The actual race began four years later, but I had no involvement with that until Chris reached out to me in 2000, eager to learn about the history.

Invited to join the Badwater Hall of Fame in 2003, I decided to enter the race, but quit with a sick crew after 75 miles. In 2004, at age 58, I returned to carve nine hours and 44 minutes from my 1981 time to Whitney Portal. After 23 years, the allure of Death Valley and Whitney drew out my best.

I am honored to have served on the Badwater 135 Application Committee for the past several years, evaluating the thousands of runners who, like me, are drawn to the challenge of the hottest place on Earth, to confront its hazards, and to ascend the side of the tallest mountain in the contiguous United States.

—Jay Birmingham



**THANK YOU, SPONSORS AND SUPPORTERS**

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AdventureCORPS is pleased to welcome the support of STYR Labs, ZombieRunner.com, Farm to Feet, ZZYXXXZ, and Caring House Project Foundation, as well as Furnace Creek Ranch, Stovepipe Wells, Panamint Springs Resort, and Dow Villa of Lone Pine, the community of Lone Pine, CA, the County of Inyo, and other generous companies and individuals.



## SCHEDULE OF EVENTS

### Sunday, July 9

**100-400pm: Runner Check-In and Registration / Retail of BADWATER Gear:** Held in the Stovepipe Wells Auditorium. Please do not all show up at 100pm! It takes quite a while to go through the Check-In process! We suggest that 1st wave runners arrive at 100pm, 2nd wave runners arrive at 200pm, and 3rd wave runners arrive at 300pm. (Each Racer and their designated Crew Chief must attend; all crew are welcome and encouraged to attend). NOTE: All retail is first come, first served. If there is something you NEED or MUST BUY, be there at 100pm to purchase.

**500-630pm: Pre-Race Meeting for ALL Racers + ALL Crew Chiefs.** ALL racers and ALL crew chiefs must attend the Pre-Race Meeting (but no other crew members). Held in the Auditorium at the National Park Service Visitors Center in Furnace Creek.

**630pm(app.): Group Photo of All Racers at the Thermometer in front of the Visitors Center.**

### Monday, July 10

**1230-130pm: Optional Races Rules Review / Questions & Answers / Discussion of Best Crewing Practices / Retail of Badwater Gear:** Since only racers + crew chiefs may attend the Pre-Race Meeting on Monday, we are offering a follow-up meeting to review race rules and best crewing practices, as well as a Q&A session, along with retail of Badwater gear. This is open to everyone. If you want or need to know more before you start the race this evening, please attend! Held in the Stovepipe Wells Auditorium.

**130-200pm: Media Check-In and Briefing:** All journalists / media / photographers must attend. Held in the Stovepipe Wells Auditorium.

**200-300pm: Private Staff Meeting:** Held in the Stovepipe Wells Auditorium.

**800pm: 1st Wave Starts at Badwater Basin:** ALL Wave 1 runners must check in, weigh in, and receive their GPS tracker no later than 730pm.

**930pm: 2nd Wave Starts at Badwater Basin:** ALL Wave 2 runners must check in, weigh in, and receive their GPS tracker no later than 900pm.

**1100pm: 3rd Wave Starts at Badwater Basin:** ALL Wave 3 runners must check in, weigh in, and receive their GPS tracker no later than 1030pm.

### Tuesday, July 11

**300am: Furnace Creek General Store Closes.** By special arrangement, the General Store at Furnace Creek will remain open on the first night of the race until 300am. They have food, snacks, drinks, ice, and much more. Please support them, and stock up heavily!

Additionally, an ice trailer will be set up in the parking lot just east of the General Store. The crews will purchase the quantity they need at the registers in the store, then take the receipt to the trailer where the employees working the trailer will hand out the bags.

**400am: Stovepipe Wells General Store and Gas Station Opens.** By special arrangement, the General Store and Gas Station in Stovepipe Wells (at mile 42 of the race route) will open at 400am during the first night of the race. They have food, snacks, drinks, ice, and much more. Please support them, and stock up heavily!

**1000am: First Time Cut-Off.** Deadline for ALL RUNNERS, regardless of starting wave, to pass Mile 50.5 (2000' Elevation Sign, located 8.6 miles beyond Stovepipe Wells.)

**800pm: Second Time Cut-Off.** Deadline for ALL RUNNERS, regardless of starting wave, to pass Mile 72 (Panamint Springs Resort.)

### Wednesday, July 12

**500am: Third Time Cut-Off.** Deadline for ALL RUNNERS, regardless of starting wave, to pass Mile 90 (Darwin Time Station.)

**700-900pm: Post-Race Get-together:** Lo-Inyo Elementary School at, 223 East Locust Street (1.5 blocks east of Hwy 395 in the north-east end of town). Pizza and drinks will be served. No charge (up to four crew per runner may attend).

NOTE: Although the 48-hour overall time limit remains in place in 2017, ALL runners are encouraged to complete the race by 600pm on Wednesday in order to attend the post-race get-together in Lone Pine. That "soft" deadline equals a 46 hour completion for the 800pm wave runners, 44.5 hours for 930pm wave starters, and a 43 hour completion for 1000pm wave starters.

**800pm: Course Closes for 1st Wave Runners** (48 hour time limit, based on start; all runners recommended to finish by 600pm.)

**930pm: Course Closes for 2nd Wave Runners** (48 hour time limit based on start; all runners recommended to finish by 600pm.)

**1100pm: Course Closes for 3rd Wave Runners** (48 hour time limit based on start; all runners recommended to finish by 600pm.)

**SUNRISE / SUNSET (July 10):** Civil Twilight (AM): 5:14am | Sunrise: 5:44am | Sunset: 8:08pm | Moonrise: 9:06pm | Civil Twilight (PM): 8:38pm | Moonset: 7:08am.

**PERMITS:** This event is held under special use permits from the California Department of Transportation, Inyo National Forest, Death Valley National Park, and Inyo County, and is additionally overseen by the California Highway Patrol. (If one of these agencies won't issue us a permit, this race could be cancelled. Please keep that in mind!)

#### DRIVING DISTANCES:

Las Vegas Airport to Furnace Creek: 120 miles  
 Los Angeles Airport to Furnace Creek: 270 miles  
 Lone Pine to Las Vegas Airport: 225 miles  
 Lone Pine to Los Angeles Airport: 220 miles

## BADWATER CAPE FEAR

The fourth annual **Badwater Cape Fear** 50km/51mi ultramarathon took place March 18 this year on Bald Head Island, North Carolina. A field of 183 runners from seven countries and twenty-six American states competed, with 76 of 79 runners completing the 50km race and 101 of 104 runners completing the 51-mile race.

With 50km and 51-mile race options, Badwater® Cape Fear features a twelve-mile warm-up on the car-free, one-lane-wide roads of Bald Head Island, followed by either 19 or 39 miles of running on the wild and secluded sandy beach between Cape Fear and Fort Fisher. The race is held along the Atlantic Seaboard with spectacular views of the Frying Pan Shoals to the east and wild and undeveloped marshlands to the west. Running this remote coast is a dramatic, invigorating, and inspiring manner in which to experience the Cape Fear region in all its grandeur!

This exquisite natural setting is the perfect antidote to the “real world” and a wonderful counterpart to the desert sands and



mountains of Death Valley and Anza-Borrego Desert featured in the two West Coast BADWATER® races.

Registration is already open for the March 17, 2018 edition, and there is a 200-runner limit which will sell out. Whether you are a grizzled Badwater veteran, or looking to take on your first Badwater race, we hope you will join us!

Visit [www.badwater.com](http://www.badwater.com) for all the information and the registration link.





# About Cape Fear

Cape Fear is a prominent headland jutting into the Atlantic Ocean from Bald Head Island on the coast of North Carolina in the southeastern United States. It is largely formed of barrier beaches and the silty outwash of the Cape Fear River as it drains the southeast coast of North Carolina through an estuary south of Wilmington.

Cape Fear is formed by the intersection of two sweeping arcs of shifting, low-lying beach, the result of longshore currents which also form the treacherous, shifting Frying Pan Shoals, part of the Graveyard of the Atlantic.

Dunes dominated by sea oats occur from the upper beach driftline back to the stable secondary dunes, where they mix with other grasses such as Saltmeadow Cordgrass and panic grass, as well as seaside goldenrod, spurge and other herbs to form a stable salt-tolerant grassland.

The Cape Fear estuary drains the largest watershed in North Carolina, containing 27% of the state's population.

Giovanni da Verrazzano, the Italian explorer sailing for France, made landfall after crossing the Atlantic at or near Cape Fear on March 1, 1524.

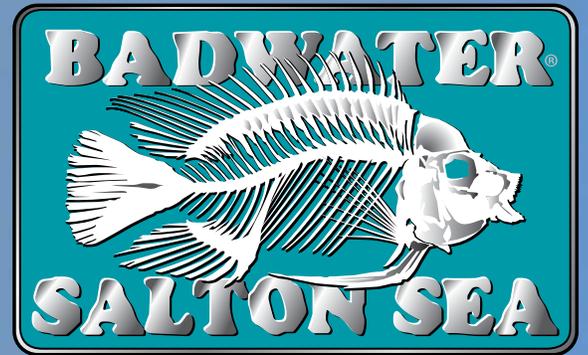
The name comes from the 1585 expedition of Sir Richard Grenville. Sailing to Roanoke Island, his ship became embayed behind the cape. Some of the crew were afraid they would wreck, giving rise to the name Cape Fear.[1] It is the fifth-oldest surviving English place name in the U.S.[2]

Cape Fear was the landing place of General Sir Henry Clinton during the American Revolutionary War on May 3, 1775. The 1962 movie Cape Fear and its 1991 remake were set at Cape Fear.

The legend of Cape Fear lives on with BADWATER® CAPE FEAR!

*Source: Wikipedia*

The fifth annual **Badwater Salton Sea** 81-mile ultramarathon took place April 30 - May 1 of this year. This remarkable event challenges teams of two or three ultrarunners – running together as duos or trios for the duration, NOT in a relay – to tackle an unimaginable traverse of Southern California deserts and mountains. This year, seventy-one runners from five countries and seventeen American states competed as 13 two-person teams and 15 three-person teams. Of the 28 teams entered, just 21 completed the race intact, with 63 of 71 runners finishing officially. Teams that do not finish as a complete unit are unranked, though all finishers receive the coveted Badwater Salton Sea buckle featuring the fish skeleton motif reminiscent of the start line.



The route covers 81 miles (130km) from Salton City (elevation 234 feet / 71m below sea level) to Palomar Mountain, the almost tallest mountain in San Diego County (elevation 5500 feet / 1676m.) Eight of the 81 race miles pass through Anza-Borrego State Park on a single track trail from near Borrego Springs to near Ranchita, creating a race route which is a mix of road and trail. There is a total elevation gain of over 9000 feet (2740m).

Registration is already open for the April 29-30, 2018 editions, and there is a 105-runner limit!

Visit [www.badwater.com](http://www.badwater.com) for all the information and the registration link.





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**SILVER  
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*Danny "Wiener Dog" Westergaard is a ten-time consecutive finisher of Furnace Creek 508 / Silver State 508 and of the Badwater 135 Ultramarathon (2007-2016)!*





# A SALUTE TO *DANNY* *WESTERGAARD,* TEN-TIME FINISHER

*By Chris Kostman*

In 2017, we salute Danny Westergaard of Palos Verdes Estates, CA, who has successfully completed the Badwater 135 Ultramarathon ten times in a row, from 2007 through 2016 (age 48-58.) Concurrently, Danny has also completed the Badwater 135's sister race, an ultracycling race called Furnace Creek 508 / Silver State 508, all of those same ten years. Additionally, Danny is a two-time finisher of Badwater Salton Sea in 2013 and 2017.

Looking at all his strong finishes, to say he is “Mr. Consistent” would be an understatement. It would also be fair to call him “Mr. Nice Guy,” as evidenced by his always-friendly smile and demeanor, and by the fact that he has had the same two-person crew for the majority of his Badwater 135 races! (Hats off to Jennifer Drain for crewing Danny at nine consecutive races and Patrick Sweeney for six!)

| <b>Year</b> | <b>Badwater</b> | <b>The 508</b> |
|-------------|-----------------|----------------|
| 2007        | 32:22:58        | 35:51:38       |
| 2008        | 36:31:46        | 34:38:34       |
| 2009        | 35:51:44        | 39:54:25       |
| 2010        | 37:13:19        | 40:32:17       |
| 2011        | 38:29:58        | 37:40:22       |
| 2012        | 33:22:00        | 39:52:42       |
| 2013        | 42:41:28        | 28:54:00       |
| 2014        | 38:25:08        | 41:23:00       |
| 2015        | 36:39:17        | 43:08:00       |
| 2016        | 36:14:40        | 43:30:00       |

Why does Danny come back to the Badwater 135 every year?

*“Because I’m hooked! I love the feeling I get running through Death Valley, the other runners, the volunteers, the race staff, and the teamwork it takes to get through the race, and I really love the challenge and overwhelming feelings of accomplishment if you are lucky enough to cross the finish line at the top of the Whitney Portal road.”*



# The AdventureCORPS Cup (formerly the Death Valley Cup)

recognizes those athletes who complete both the Badwater 135 Ultramarathon and the Silver State 508 (formerly Furnace Creek 508) Bicycle Race in the same calendar year. To earn this recognition is a very significant achievement in endurance sports, and especially for those who love our AdventureCORPS events.

For more information about Silver State 508, visit:  
[www.the508.com](http://www.the508.com)

## CURRENT DEATH VALLEY CUP RECORD HOLDERS

**Charlie Engle, “Water Dragon”** Greensboro, NC, 47, 2009 (2nd DV Cup)



### **Badwater**

25:45:11, 4th place

### **Furnace Creek**

33:19:25, 4th place

=59:04:36 total time\*

**Shanna Armstrong “Dik Dik”** Lubbock, TX, 34, 2008



### **Badwater**

31:16:10, 3rd female, 7th overall

### **Furnace Creek**

34:30:58, 5th female, 24th overall

=65:47:08 total time\*

(\*To receive the Death Valley Cup plaque, these combined record times must be broken.)

# DEATH VALLEY CUP FINISHERS

\* Note: The 2013 edition of Furnace Creek 508, also known as "Trona 353," was held on an abbreviated 353-mile course due to the federal government shutdown. The race moved from the Furnace Creek Route in California to the Silver State route in Nevada in 2014.

| Athletes                                                                     | Yr   | Badwater                                      | FC508                                             | Time      |
|------------------------------------------------------------------------------|------|-----------------------------------------------|---------------------------------------------------|-----------|
| Shanna Armstrong "Dik Dik" Lubbock, TX, 34                                   | 2008 | Badwater, 31:16:10, 3rd female, 7th overall   | Furnace Creek, 34:30:58, 5th female, 24th overall | =65:47:08 |
| Patrick Candé, "Golden Eagle" Tahiti, French Polynesia, 48                   | 2005 | Badwater, 34:13:21, 7th place                 | Furnace Creek, 36:52:12, 37th place               | =71:05:33 |
| Joaquin Candel, "Toro" Henderson, NV, 45                                     | 2015 | Badwater, 42:55:23, 67th place                | Silver State 508, 49:57:50, 22nd place            | =92:53:43 |
| Angelika Castaneda, "Cat" San Diego, CA, 56 (1st Ever female DV Cup)         | 1999 | Badwater, 36:58, 1st female, 8th overall      | Furnace Creek, 43:46:40, 3rd female, 18th overall | =80:44:40 |
| Meredith Dolhare, "RedAssd Monkey" Charlotte, NC, 40                         | 2013 | Badwater, 30:52:40 3rd female, 20th overall   | "Trona 353*," 30:42:00 8th female, 54th overall   | =60:34:40 |
| Charlie Engle, "Water Dragon" Greensboro, NC, 45                             | 2007 | Badwater, 27:42:32, 5th place                 | Furnace Creek, 34:31:12, 13th place               | =62:13:44 |
| Charlie Engle, "Water Dragon" Greensboro, NC, 47 (2nd DV Cup)                | 2009 | Badwater, 25:45:11, 4th place                 | Furnace Creek, 33:19:25, 4th place                | =59:04:36 |
| Charlie Engle, "Water Dragon" Greensboro, NC, 51 (3rd DV Cup)                | 2013 | Badwater, 26:15:35, 5th place                 | "Trona 353*," 26:52:00, 12th place                | =53:07:35 |
| Monica Fernandez, "Quetzal" Casablanca, Morocco, 40, Guatemala               | 2008 | Badwater, 35:17:59, 7th female, 12th overall  | Furnace Creek, 32:58:12 2nd female, 12th overall  | =68:16:11 |
| Paul Grimm, "Wile E Coyote" Littleton, CO, 44                                | 2012 | Badwater, 46:13:12, 87th place                | Furnace Creek, 45:10:28, 41st place               | =91:23:40 |
| Tim Hewitt, "Muskox" Greensburg, PA, 56                                      | 2010 | Badwater, 36:30:52 26th place                 | Furnace Creek, 42:11:07 32nd place                | =78:41:59 |
| Nickademus Hollon, "Horned Lizard" San Diego, CA, 19                         | 2009 | Badwater, 33:21:29, 18th place                | Furnace Creek, 44:06:44, 24th place               | =77:28:13 |
| Nickademus Hollon, "Horned Lizard" San Diego, CA, 20 (2nd DV Cup)            | 2010 | Badwater, 31:53:00, 13th place                | Furnace Creek, 39:53:28 21st place                | =71:46:28 |
| David Jackson, "Jackass" Lexington, KY, 43                                   | 2002 | Badwater, 47:12:30, 25th place                | Furnace Creek, 38:56:12 15th place                | =86:08:42 |
| James Kern, "Shrike" Sunnyvale, CA, 55                                       | 2013 | Badwater, 33:57:30, 22nd place                | "Trona 353*," 22:31:00, 11th place                | =56:28:30 |
| Charlie Liskey, "Lizard" Somis, CA, 40                                       | 1996 | Badwater, 58:26, 14th place                   | Furnace Creek, 39:32:08 17th place                | =97:58:08 |
| Eric Meech, "Cattle Dog" San Diego, CA, 44                                   | 2013 | Badwater, 41:17:32 47th place                 | "Trona 353*," 26:45:00 33rd place                 | =68:02:32 |
| Jean Michel Monot, "Manta Ray" Tahiti, French Polynesia, 45                  | 2005 | Badwater, 36:51:12, 11th place                | Furnace Creek, 35:53:48 31st place                | =72:45:00 |
| Ted Philip, "Mountain Gorilla" Wayland, ME, 47                               | 2012 | Badwater, 32:30:48, 24th place                | Furnace Creek, 38:52:59, 17th place               | =71:23:47 |
| Greg Pressler, "Pheasant" Portland, OR, 43                                   | 2011 | Badwater, 38:36:46 43rd place                 | Furnace Creek, 42:18:56 39th place                | =80:55:42 |
| Vito Rubino, "Crazy Ibex" Pasadena, CA, 36                                   | 2014 | Badwater, 35:23:51 27th place                 | Silver State 508, 37:19:00 14th place             | =72:42:51 |
| Kaname Sakurai, "Sea Lion" Nagoya, Japan, 36                                 | 2000 | Badwater, 27:52:14, 3rd place                 | Furnace Creek, 32:31:56, 2nd place                | =60:24:10 |
| Michele Santilhano, "Shongololo" Menlo Park, CA, 38, South Africa            | 2008 | Badwater, 39:42:23, 11th female, 29th overall | Furnace Creek, 38:01:42, 7th female, 42nd overall | =77:44:05 |
| Del Scharffenberg, "Spider" Portland, OR, 52                                 | 1997 | Badwater, 48:16, 13th place                   | Furnace Creek, 42:15:26, 10th place               | =90:31:26 |
| Monica Scholz, "Scarlett Fairy Cup" Jerseyville, ON, Canada, 37              | 2004 | Badwater, 29:22:29, 1st female, 3rd overall   | Furnace Creek, 44:29:15, 1st female, 25th overall | =73:51:44 |
| Monica Scholz, "Scarlett Fairy Cup" Jerseyville, ON, Canada, 39 (2nd DV Cup) | 2006 | Badwater, 32:07:01, 1st female, 8th overall   | Furnace Creek, 40:00:02, 2nd female, 27th overall | =72:07:01 |
| Joshua Talley, "Escape Goat" Santa Monica, CA, 43                            | 2015 | Badwater, 38:59:05, 44th place                | Silver State 508, 39:07:08, 9th place             | =78:06:13 |
| Steve Teal, "Desert Duck" Phelan, CA, 40                                     | 2005 | Badwater, 43:56:20, 34th place                | Furnace Creek, 35:39:52 29th place                | =79:46:12 |
| Steve Teal, "Desert Duck" Phelan, CA, 41 (2nd DV Cup)                        | 2006 | Badwater, 42:29:16, 32nd place                | Furnace Creek, 41:24:06 29th place                | =83:53:22 |
| Steve Teal, "Desert Duck" Phelan, CA, 42 (3rd DV Cup)                        | 2007 | Badwater, 44:16:27, 50th place                | Furnace Creek, 34:16:04, 11th place               | =78:32:31 |
| Steve Teal, "Desert Duck" Phelan, CA, 43 (4th DV Cup)                        | 2008 | Badwater, 45:24:20, 56th place                | Furnace Creek, 35:12:55, 26th place               | =80:37:15 |
| Steve Teal, "Desert Duck" Phelan, CA, 45 (5th DV Cup)                        | 2010 | Badwater, 42:15:49 47th place                 | Furnace Creek, 37:15:00, 16th place               | =79:30:49 |
| Marshall Ulrich, "Unicorn" Ft. Morgan, CO, 43 (1st Ever DV Cup)              | 1996 | Badwater, 33:01, 1st place                    | Furnace Creek, 38:32:45 16th place                | =71:33:45 |
| Danny Westergaard, "Wiener Dog" Rolling Hills, CA, 48                        | 2007 | Badwater, 32:22:58, 12th place                | Furnace Creek, 35:51:38, 19th place               | =68:14:36 |
| Danny Westergaard, "Wiener Dog" Rolling Hills, CA, 49 (2nd DV Cup)           | 2008 | Badwater, 36:31:46, 17th place                | Furnace Creek, 34:38:34, 23rd place               | =71:10:20 |
| Danny Westergaard, "Wiener Dog" Rolling Hills, CA, 50 (3rd DV Cup)           | 2009 | Badwater, 35:51:24, 28th place                | Furnace Creek, 39:54:25, 14th place               | =75:45:49 |
| Danny Westergaard, "Wiener Dog" Rolling Hills, CA, 51 (4th DV Cup)           | 2010 | Badwater, 37:13:19 30th place                 | Furnace Creek, 40:32:17 23rd place                | =77:45:36 |
| Danny Westergaard, "Wiener Dog" Rolling Hills, CA, 52 (5th DV Cup)           | 2011 | Badwater, 38:29:58 42nd place                 | Furnace Creek, 37:40:22 23rd place                | =76:10:20 |
| Danny Westergaard, "Wiener Dog" Rolling Hills, CA, 53 (6th DV Cup)           | 2012 | Badwater, 39:52:42, 26th place                | Furnace Creek, 33:22:00, 20th place               | =73:14:42 |
| Danny Westergaard, "Wiener Dog" Rolling Hills, CA, 54 (7th DV Cup)           | 2013 | Badwater, 42:41:28, 59th place                | "Trona 353", 28:54:00, 45th place                 | =71:35:28 |
| Danny Westergaard, "Wiener Dog" Palos Verdes Estates, CA, 55 (8th DV Cup)    | 2014 | Badwater, 38:25:08 46th place                 | Silver State 508, 41:23:00 17th place             | =81:48:08 |
| Danny Westergaard, "Wiener Dog" Palos Verdes Estates, CA, 56 (9th DV Cup)    | 2015 | Badwater, 36:39:17, 31st place                | Silver State 508, 43:08:00, 11th place            | =79:42:17 |
| Danny Westergaard, "Wiener Dog" Palos Verdes Estates, CA, 57 (10th DV Cup)   | 2016 | Badwater, 36:14:40, 35th place                | Silver State 508, 43:30:00, 10th place            | =79:44:40 |
| Thomas Zaide, "Speedy Turtle" Long Beach, CA, 37                             | 2014 | Badwater, 46:33:40 78th place                 | Silver State 508, 47:35:00, 25th place            | =94:08:40 |

# THE MEANING OF BADWATER

*The ultimate physical and mental challenge. Heat. Suffering. Comradeship. Ecstasy. The opportunity to surpass myself.*

—Ricarda Bethke

*Badwater signifies gratefulness and thankfulness that I am healthy, fit and strong. Badwater denotes never giving up, digging deep, and persevering onward for these are my mantras throughout life. Badwater represents learning to be comfortable in the uncomfortable; being empowered. Badwater means lifelong friendships and offering words of inspiration in each other's personal journey.*

—Kimberlie Budzik

*Badwater = Bad Ass!!!*

—Chavet Breslin

*Badwater symbolizes the toughest footrace on earth; simply the premier running event that exists.*

—Pamela Chapman-Markle

*Badwater is an epic brand meaning adventure, endurance, fun and achievement.*

—Adam Connor

*It means tough, dig deep, push hard, and never give up.*

—Catra Corbett

*Badwater is synonymous with the (perceived) impossible, human potential, and physical and mental devotion to achieving one's goals and dreams. Perhaps more important, Badwater is a supportive family of unbelievable people who share a common interest in pushing the limits of what is possible.*

—Kevin Delk

*Family!*

—Amy Costa

*To me, the name/brand Badwater means to explore. A way of life that I chose to follow to improve how I react and interact with everyone and everything around me.*

—Luigi Dessy

*Badwater is the epitome of what ultra is: the struggle, the risk, the triumph, and on occasion, the defeat.*

—Ed Ettinghausen

*Courage, Spirit and perseverance!*

—John Radich

*Badwater is just one word, but the connotations are nearly boundless.*

—Eric Spencer

*Prefacing the following words with extreme illustrates BADWATER's meaning to me: beauty, difficulty, exposure, learning, willingness (to adapt), respect, challenge, preparation, attention (to detail), execution (of the plan), experience, and (hopefully) accomplishment.*

—Jason LeDoyen

*The ultimate physical and mental challenge. Heat. Suffering. Comradeship. Ecstasy. The opportunity to surpass myself.*

—Jens Vieler

*Prestige and seriousness.*

—Roberto Mario Gili Farina

*As a person, Badwater makes me think about the incredible beauty of Death Valley. As a runner, it is the same for me as Everest is for a mountain climber. As a brand, Badwater I see it as a very professional race with an organization that you can trust.*

—Patrick Hameau

*It means tough. Badwater tough. You can not only withstand the elements, but you can withstand the ugliness that is inside all of us. You are able to work through and around all types of problems that may arise during a long hard race. It forces you to see things with more love and gratitude.*

—Andrea Kooiman

*It means letting your actions speak for you, both in what you aspire to be and how you help others realize their own dreams.*

—Pete Kostelnick

*You are not a true Ultrarunner if one is not confronted with this "terrible" but great race, the hardest, the most coveted by all ultrarunners.*

—Marco Mazzi

# THE MEANING OF LIFE



*The meaning of life for me is exploring and realizing one's god-given potential, and in so doing, helping others realize theirs. We are not meant to sit on couches, watch television and count money.*

—Dan McHugh

*To share love.*

—Michael Jimenez

*When we allow ourselves to feel our feelings, to express ourselves, to love one another, to receive love, to challenge our mind and body then we are living, and so I think the meaning of life is to really live life - don't live it meekly, but rather boldly.*

—Rosie Prather

*Life for me means not only to exist, it means to live your dreams and not only to dream your life, to make happy those you love and to be happy every moment.*

—Francisco Manzanares

*In general, people working together and progressing to build a better society.*

—Brian Tjersland

*Live life to the fullest and share peace, love and happiness with all those who enter your life to the greatest degree possible.*

—Tim Robert

*Life is about dreaming and achieving. To learn from mistakes and make it better your next attempt. To be strong and never quit. To help others by motivation, listening, and actions. To be brave and show others that anything is possible. To share your time and knowledge with others.*

*To be able to always forgive others.*

—Luigi Dessy

*I believe that the meaning of life is in the pursuit of happiness, and nothing makes me happier than achieving something. What I am trying to achieve now is to fulfill my potential, which I believe is the source of true satisfaction.*

—Marcia Zhou

*An endless journey of self-discovery; realizations, challenges externally and from within, and looking out for and helping others along the way with love and giving until we reach our end.*

—Joshua Holmes

*Life is a big, blank canvas we create by our actions and attitudes.*

—Noelani Taylor

*Life is an adventure. Reflecting back on my challenges, successes, joy, pain, and where I am at in life today, I find myself appreciative of the opportunities life can bring.*

*Life is good.*

—Ray Sanchez

*I hope we are here to learn, grow, to become "more": to self-actualise, to take personal responsibility for our choices and the consequences thereof - such choices and actions rippling out positively, by walking our talk we demonstrate and influence, inspire.*

—Michelle Payne

*In general, the meaning of life is to pursue authentic, challenging activities that stretch you to the edge of who you think are and what you can do.*

—Nathan DeWall

*The meaning of life in general is to self-actualize and in doing so, be of service to others along the way.*

—Cheryl Zwarkowsk

*To keep doing and growing. Gain people's empathy by showing what I am doing and make them grow as well.*

—Nobumi Iwamoto

## THE OFFICIAL CHARITIES

---

**THE OFFICIAL CHARITIES OF ADVENTURECORPS** ARE THE CHALLENGED ATHLETES FOUNDATION, MAJOR TAYLOR ASSOCIATION, CARING HOUSE PROJECT FOUNDATION, AND BALD HEAD ISLAND CONSERVANCY. THE GOAL AND PURPOSE OF OUR EVENTS IS TO RAISE FUNDS FOR, AND AWARENESS OF, THESE WONDERFUL AND IMPORTANT ORGANIZATIONS.



**The Challenged Athletes Foundation** was created on the belief that people of all abilities should have the opportunity to pursue a life full of physical activity and of sports. Be they recreational or in pursuit of a gold medal at the Paralympic Games, people with a physical disability are limited only by their access to funding. Since 1994, CAF has raised over \$76 million—allowing the Foundation to satisfy thousands of funding requests from challenged athletes in all 50 states and across the globe.

Over eighty cents of every dollar raised by CAF provides funding and programs that get challenged athletes into the game. Whether it's a \$2,000 handcycle, helping underwrite a \$15,000 running prosthetic or arranging enthusiastic encouragement from a mentor who has triumphed over a similar injury, CAF's mission is clear: give those with the desire to live active, competitive lifestyles every opportunity to compete in the sports they love.

Since 2002, AdventureCORPS has raised over \$350,000 for CAF, and AdventureCORPS athletes have raised equally impressive sums!

**Website:** [www.challengedathletes.org](http://www.challengedathletes.org)



**The Bald Head Island Conservancy** was founded on Bald Head Island, NC in 1983 with a focus on barrier island conservation, preservation, and education. The Conservancy sponsors and facilitates scientific research that benefits coastal communities and provides numerous recreational and educational activities to the public. In coordination with various organizations, partnerships, and collaborations, the Conservancy has led the nation in conservation and research efforts and is uniquely poised to become a leader in Barrier Island Conservation world-wide.

Badwater fans and race participants will appreciate that BHIC cares for the pristine setting for the Badwater Cape Fear race route and its role as a sea turtle nesting site and sanctuary. The Conservancy also serves as the host and finish line for our event. As such, our goal is to raise \$10,000 to purchase one of the special UTV vehicles which BHIC uses to patrol the beach and care for sea turtle nesting sites.

**Website:** [www.bhic.org](http://www.bhic.org)



Since 2014, AdventureCORPS is proud to recognize **Caring House Project Foundation** as an Official Charity and support their efforts. Founded by eleven-time Badwater 135 veteran Frank McKinney, and based on the principal that “stability begins at home,” CHPF provides shelter to the world's most desperately poor and homeless by building entirely self-sufficient villages in the poorest county in the Western Hemisphere, Haiti.

As of today 10,616 children and their families have been provided with a new concrete home, and countless more are alive because of CHPF's efforts. In 2017 CHPF completed its 24th self-sufficient village in Guimbi, Haiti. That's right, 24th self-sufficient village in 21 Haitian cities in last 14 years! Visit [www.chpf.org](http://www.chpf.org) to support Frank's efforts. Thank you for all you do, Frank and Nilsa!

**Website:** [www.chpf.org](http://www.chpf.org)



Founded by 10x Badwater veteran

**Frank McKinney, the Caring House Project Foundation** builds self-sufficient villages for the world's most desperately poor and homeless by providing housing, education, food, water, medical support & capitalism in *Haiti, Honduras, Nicaragua, Indonesia, Africa & the United States.*



## What CHPF is doing?

This year Caring House Project will build its 24th self-sufficient village in the last 14 years in the small town of Guimbi, Haiti located about two hours north of the capital city of Port au Prince. By the end of 2017, a total of 10,616+ people will have been sheltered because of CHPF, and thousands more are alive because of our (and your) efforts.



*Frank McKinney*

## How Can You Help?

Please visit [www.chpf.org](http://www.chpf.org) to donate today.

There are many different donation options to choose from (Housing, Schooling, Orphanages, Church/Community Centers, Medical Clinics, Renewable Food, Clean Drinking Water, and a Miscellaneous category).

**[www.chpf.org](http://www.chpf.org)**  
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ENVIRONMENT

AdventureCORPS events happen not in a man-made stadium, but in the real world “out there.” We care deeply about the natural world for we are intrinsically linked with it and because we want to enjoy these events in their awesome natural settings for a long, long time.

As such, we joined **One Percent For The Planet** on July 1, 2008, a growing global movement of more than 1200 companies that donate at least 1% of their sales to a network of more than 3600 approved environmental organizations worldwide. Therefore we donate at least 1% of total revenues (in other words, “off the top,” not just 1% of profit) to environmental causes. This is in addition to all the work we do on behalf of, and donations we make to, Challenged Athletes Foundation, Major Taylor Association, and Caring House Project Foundation, which are wonderful causes but not environmental in their focus. In the past ten years, we and our fellow One Percent For The Planet members have invested over \$100 million in positive environmental change.



In association with our membership in One Percent for the Planet, we have supported **The Conservation Alliance** since September, 2008. The Conservation Alliance is an organization of outdoor businesses whose collective contributions support grassroots environmental organizations and their efforts to protect wild places where outdoor enthusiasts recreate. Alliance funds have played a key role in protecting rivers, trails, wildlands and climbing areas throughout North America.



Membership in the Alliance is open to companies representing all aspects of the outdoor industry, including manufacturers, retailers, publishers, mills and sales representatives. The result is a diverse group of businesses whose livelihood depends on protecting our natural environment. Since its inception in 1989, the Alliance has contributed close to \$13 million to grassroots conservation groups throughout North America. The results of our funding have been remarkable. Alliance funding has helped to save more than 44 million acres, protect 2,945 miles of rivers, stop or remove 26 dams, and purchase 10 climbing areas. There are now more than 190 member companies, and plans to disburse \$1.65 million in 2015.

In 2014, we began supporting the **Bald Head Island Conservancy** with the inaugural BADWATER Cape Fear race by focusing attention on the race route’s pristine setting as a sea turtle nesting area and BHIC’s role as a leader in barrier island conservation, preservation and education.



Additionally, we have championed other environmental causes including the **Los Angeles County Bicycle Coalition**, a nonprofit organization with over 1,000 members that engages cyclists through advocacy, education and outreach across the county. Founded in 1998, LACBC brings together the diverse bicycling community in a united mission to improve the bicycling environment and quality of life for the entire region. In 2011, we donated \$10,000 to LACBC to initiate and sponsor the Jim Swarzman Memorial Membership Drive, an effort that brought \$23,000 into LACBC.

AdventureCORPS joined the **Death Valley Natural History Association** as Life Members and recognized DVNHA as an Official Charity of AdventureCORPS from 2009 through 2013. DVNHA is a non-profit organization supporting education, research, and preservation in Death Valley National Park and Ash Meadows National Wildlife Refuge. Some of their efforts include DeathValley R.O.C.K.S. (bringing inner city kids to experience one of the largest outdoor classrooms in the world), Devil’s Hole Pupfish Recovery, Death Valley All Taxa Biological Inventory, plus they run the wonderful gift shops in the Park.



According to DVNHA, AdventureCORPS has paid for, at the minimum, “every need (sleeping bags, cooking fuel, transportation) for one Death Valley ROCKS school group (50-60 students, chaperones, and teachers) every year since 2009.” AdventureCORPS athletes have also supported this and other DVNHA causes! Additionally, through DVNHA, AdventureCORPS and our athletes have donated \$5000 to support the recently renovated Death Valley National Park Visitors Center, as evidenced by five “donor tiles” are in the Visitors Center (one per \$1000 donation.)



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# INSPIRING A PASSION

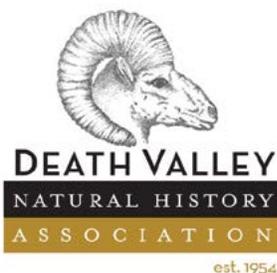
*for Death Valley and Ash Meadows*

Since 2009, AdventureCorps participants have contributed over \$20,000 to DVNHA in support of Death Valley National Park programs. To make a donation or shop with us online please visit [dvnha.org](http://dvnha.org).



Photos, clockwise from top left: Mosaic Canyon, Kimber Moore; Badwater, Salt Pan, Tim Kendzioriski; Devils Hole Pupfish, Kimber Moore; Ash Meadows collage, Tim Kendzioriski; Twenty Mule Team (historic), NPS.

Preserving and interpreting the natural and cultural resources of the Death Valley region in cooperation with our government partners: Death Valley National Park and Ash Meadows National Wildlife Refuge.



(800)478-8564  
[dvnha.org](http://dvnha.org)

**Bookstore Locations:**

- Furnace Creek Visitors Center
- Stovepipe Wells Ranger Station
- Scotty's Castle Museum (temporarily closed)
- Ash Meadows NWR

All proceeds benefit education and research in Death Valley National Park and Ash Meadows National Wildlife Refuge. Please visit us next time you are in the park or shop with us online at [dvnha.org](http://dvnha.org)

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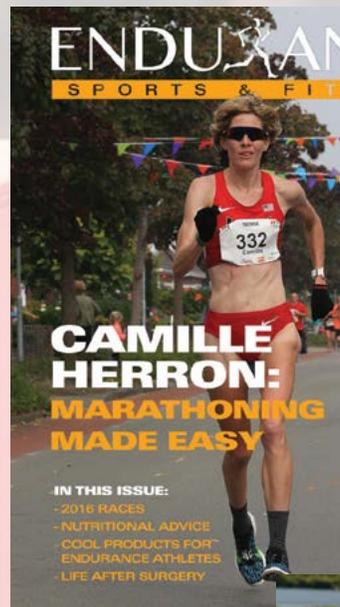
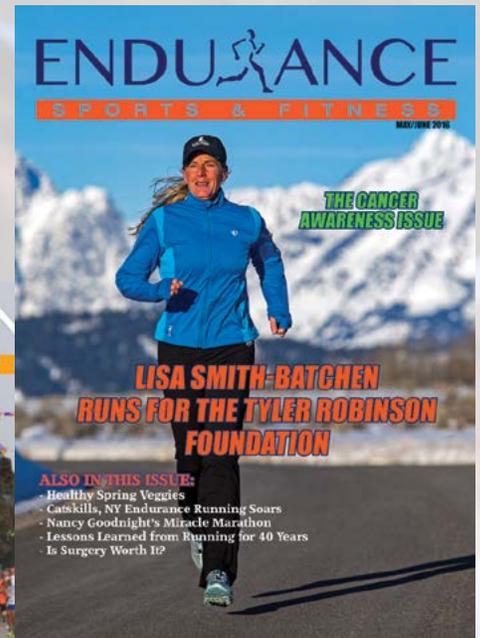
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BADWATER

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# THE DANGERS OF RUNNING IN THE HEAT

By Jason Hodde, MS, ATC/L

Running in hot weather can pose many dangers to ultrarunners. Although most runners are aware of the dangers of running for prolonged distances in hot and humid weather, many are also inadequately prepared for the intense stress placed on the body during these hot weather runs.

Scott Jurek takes one of many ice baths in 2006.

In July 2002, I participated in the 25th anniversary of the Badwater Ultramarathon, a 135-mile trek from the lowest place in the continental United States (Badwater Basin), through Death Valley National Park, and to the foot of Mount Whitney, the Whitney Portals, at an altitude of 8,360 feet (2,548 meters). The run was held in the middle of one of the most severe heat waves southern California has ever seen. In preparation for the run, I made sure my crew was aware of the signs and symptoms of heat illness, as well as how to treat me should problems occur. Here are some of the dangers of ultrarunning in the heat, and preventative measures that can be taken to avoid potential problems.

## The Heat Index

The heat index is the apparent temperature felt by the body due to the combined effects of actual temperature and humidity. Most people understand that as the air temperature goes up, so does the heat index, but humidity also plays a role. As the humidity rises, the body is unable to efficiently evaporate the sweat it produces. Therefore, the perceived temperature is much higher than the actual air temperature. The loss of cooling efficiency thus makes exercise extremely dangerous.

Although it is convenient to use a single number to describe the apparent temperature your body feels, keep in mind that heat and humidity affect everybody differently. Several assumptions are made to calculate the heat index measurements in the table below. Specifically, the heat index assumes the body to be:

- 5' 7" (170 cm) in height
- 147 pounds (67 kg) in weight
- Caucasian
- At 98.6° F (37° C) body temperature
- Clothed in long pants and a short-sleeved shirt
- In shade

- Walking at a speed of 3.1 mph (5 kph)
- In a breeze of 6 mph (10 kph)
- Not dripping with sweat

|                   | Air Temperature (Degrees F) |    |    |     |     |     |     |     |     |     |     |
|-------------------|-----------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   | 70                          | 75 | 80 | 85  | 90  | 95  | 100 | 105 | 110 | 115 | 120 |
| Relative Humidity | Heat Index                  |    |    |     |     |     |     |     |     |     |     |
| 0%                | 64                          | 69 | 73 | 78  | 83  | 87  | 91  | 95  | 99  | 103 | 107 |
| 10%               | 65                          | 70 | 75 | 80  | 85  | 90  | 95  | 100 | 105 | 111 | 116 |
| 20%               | 66                          | 72 | 77 | 82  | 87  | 93  | 99  | 105 | 112 | 120 | 130 |
| 30%               | 67                          | 73 | 78 | 84  | 90  | 96  | 104 | 113 | 123 | 135 | 148 |
| 40%               | 68                          | 74 | 79 | 86  | 93  | 101 | 110 | 123 | 137 | 151 |     |
| 50%               | 69                          | 75 | 81 | 88  | 96  | 107 | 120 | 135 | 150 |     |     |
| 60%               | 70                          | 76 | 82 | 90  | 100 | 114 | 132 | 149 |     |     |     |
| 70%               | 70                          | 77 | 85 | 93  | 106 | 124 | 144 |     |     |     |     |
| 80%               | 71                          | 78 | 86 | 97  | 113 | 136 | 157 |     |     |     |     |
| 90%               | 71                          | 79 | 88 | 102 | 122 | 150 | 170 |     |     |     |     |
| 100%              | 72                          | 80 | 91 | 108 | 133 | 166 |     |     |     |     |     |

## Heat Illnesses

There are three major heat illnesses—and all of them can be exacerbated by ultra distance running and prematurely end an ultrarunner's race. In all cases, the main reason that runners experience heat illness is dehydration. If you replace lost fluids and electrolytes and are able to train your body to process a high volume of fluid in a short period of time, you significantly decrease the risk of experiencing these race-ending medical emergencies.

**Heat cramps:** Exercising in hot weather can lead to muscle cramps, especially in the legs. This is usually caused by imbalances or deficiencies in your body's electrolyte stores. A cramp is characterized by sharp, stabbing pain in the muscle and rarely works itself out on its own. On a training run earlier this year in Death

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Valley, many runners complained of cramps in their legs; I suffered from cramps in my diaphragm and had difficulty breathing for more than an hour! Cramps become less frequent with heat training, but for those of us unaccustomed to such extreme conditions, maintaining adequate hydration and electrolyte balance is critical to avoiding them. To eradicate cramps, you should stop running, drink fluids containing electrolytes, cool your body with wet towels, and immediately get out of the sun.

**Heat exhaustion:** Losing fluid and electrolytes through sweat leads to dizziness and weakness if the lost fluids are not replaced. Heat exhaustion is characterized by a moderate rise in body temperature, dizziness, nausea and vomiting, and a headache. You might also experience weakness, lack of coordination, heat cramps, heavier than usual sweating accompanied by moist and cold skin, and “goose bumps.” Your heart rate may rise and you won’t be able to run as fast due to fatigue. Many runners—even those who are well trained—will suffer from mild heat exhaustion after running for several hours in hot and humid conditions. If you experience the signs of heat exhaustion, stop running immediately and drink fluids containing electrolytes, cool your body with wet towels, lie down and elevate your feet a few inches above your heart, and immediately get out of the sun. Since heat exhaustion can lead to the most severe form of heat-related illness, heat stroke, seeking prompt medical attention for heat exhaustion is also highly recommended.

**Heatstroke:** In extreme cases heat can upset the body’s thermostat, causing body temperature to rise to 105 degrees F or higher. This is a life-threatening situation that requires immediate medical attention. While it is common for untreated heat exhaustion to rapidly progress to heatstroke, heatstroke can (and does) occur without the signs of heat exhaustion being apparent. Symptoms of heatstroke include lethargy and extreme weakness, confusion and odd or bizarre behavior, disorientation and unconsciousness. Because heatstroke is a complete failure of the body’s temperature regulation system, sweating ceases and the skin becomes hot and dry. Convulsions or seizures can occur as the brain begins to shut down. Coma and death are also possible in extreme cases. Heatstroke is a medical emergency that requires immediate medical attention. Call the emergency response system immediately! Get the runner out of the sun, remove all clothing, and immediately rub their body with ice or immerse the runner in cold water.

By staying properly hydrated and recognizing the early warning signs of heat illness, as a runner you can prevent a heat-related problem from becoming a life-threatening situation. As a volunteer, recognizing these heat-related dangers may one day help you save the life of a runner who has underestimated the intensity of the surroundings.

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**“THE ORIGINAL”**

Key Largo to Key West  
**KEYS**  
**100**

**Race Across The Islands  
Of The Florida Keys!**

**100 Mile**

**50 Mile**

**50 Kilometer**

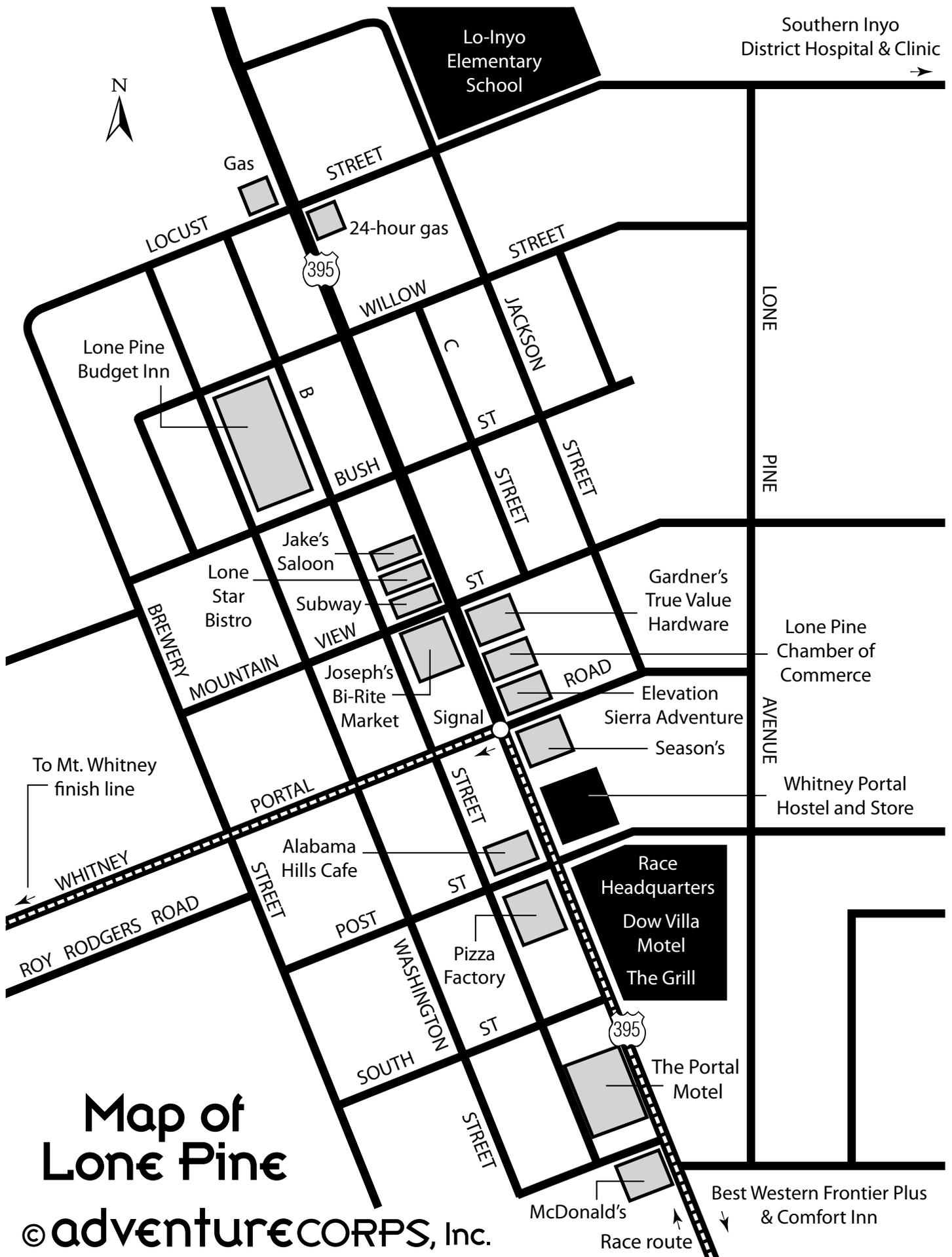
**100 Mile  
Team Relay**



**KEYS100:  
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Check the website for details  
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**May 19, 2018**



# Map of Lone Pine

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**LONE PINE: QUICK REFERENCE TO THE MOST POPULAR PLACES FOR BADWATER FOLKS**

Lone Pine is located at Mile 122 of the Badwater 135 race route and is an important hub of activity before, during, and after the race. Located at 3727 feet (1136m) at the foot of Mt. Whitney and with a population of just over 2000 friendly people, it is a wonderful and appealing destination year-round and particularly important to the success of the Badwater 135.

Lone Pine meets every need, from great food to comfortable hotels, plus all enjoy the Post-Race Get-Together at the school, followed later by the traditional social hour(s) at Jake’s Saloon. We hope you enjoy the town, spend lots of money there, and let everyone know how much you enjoy racing in their back yard!

Many Badwater 135 runners and crews buy race equipment and supplies at True-Value Hardware or Whitney Portal Hostel and Store, groceries at Joseph’s Bi-Rite, purchase moderately priced gas in town, and/or excellent coffee, snacks, and sandwiches at Lone Star Bistro, get an excellent meal at The Grill or enjoy fine dining at Seasons Restaurant.

During the race, many support teams will go into town to pick up coffees and more at Lone Star Bistro, pizza from The Pizza Factory, to-go food from The Grill or Lee’s Frontier Deli, or for ice, water, & groceries.

**Motels / Hotels (Not a complete list! See LonePineChamber.org for more listings!)**

|                                          |              |
|------------------------------------------|--------------|
| <b>Best Western Frontier Hotel</b>       |              |
| 1008 S Main Street                       | 760-876-5571 |
| <b>Comfort Inn</b>                       |              |
| 1920 S Main Street                       | 760-876-8700 |
| <b>Dow Villa Motel</b>                   |              |
| 310 S Main St ( <i>Race HQ</i> )         | 760-876-5521 |
| <b>Portal Motel</b>                      |              |
| 425 S Main St                            | 760-876-5930 |
| <b>Whitney Portal Hostel (and Store)</b> |              |
| 238 S Main St                            | 760-876-0030 |

**Popular Eateries**

|                                                                                                                                                          |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Lone Star Bistro</b> at 107 N Main St (Coffee drinks, sandwiches, pastries, ice cream, smoothies, and such, plus WiFi. Very popular with PCT hikers.) |                     |
| 760-876-1111                                                                                                                                             | Open 6am-10pm daily |
| <b>The Grill</b> at 446 S Main St. (Located on the southern end of the Dow Villa parking lot. Great food and great location!)                            |                     |
| 760-876-4240                                                                                                                                             | Open 6am-10pm daily |

**Alabama Hills Cafe** at 111 W Post S  
760-876-4675 Open 6am-2pm daily

**Pizza Factory** at 301 S Main St  
760-876-4707 Open 11am-10pm daily

**Season’s Restaurant** at 206 S Main St  
760-876-8927 Open 5pm-10pm daily

**Jake’s Saloon** at 119 N Main St (Many runners and crews socialize here after attending the official post-race pizza party at the Lo-Inyo Elementary School at the conclusion of the race!)

**Groceries, Gas & Mini-Mart, Outdoor Outfitters, Hardware**

**Whitney Portal Store and Hostel** at 238 S Main St  
760-876-0030 Open 7am-9pm daily in July

**Elevation Sierra Adventure** at 150 S Main St  
760-876-4560 Open 9am-630 or 7pm daily

**Joseph’s Bi-Rite Market** at 119 S Main St  
760-876-4378 Open 8am-9pm daily

**Gardner’s True Value Hardware** at 104 S Main St  
760-876-4208 Open 8am-6pm, Mon-Sat

**L.P. Chamber of Commerce** at 120 S Main St  
760-876-4444 Open 830am-430pm daily

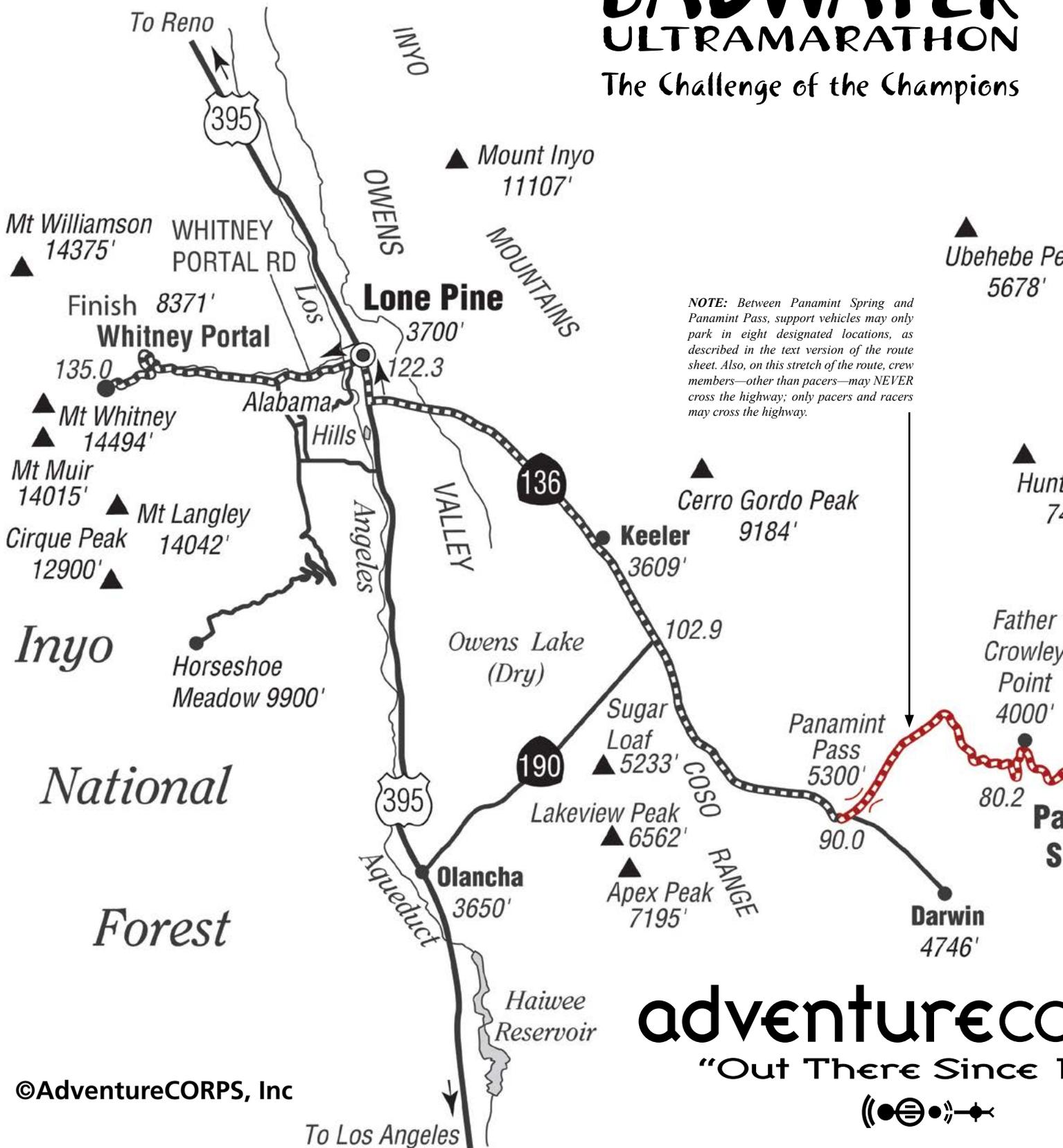
**Chevron & Lee’s Frontier Deli** at 1900 South Main St (This is the last business on the west side of the road on the far southern end of town. Many crews call ahead to order sandwiches as they approach town, or if making a quick run into town from the race route.)  
760-876-5844 Gas 24/7; Deli closed 2-4am only

**Exxon-Mobil & AM-PM** at 380 North Main St  
760-876-4073 Open 24 Hours a Day



# BADWATER ULTRAMARATHON

The Challenge of the Champions

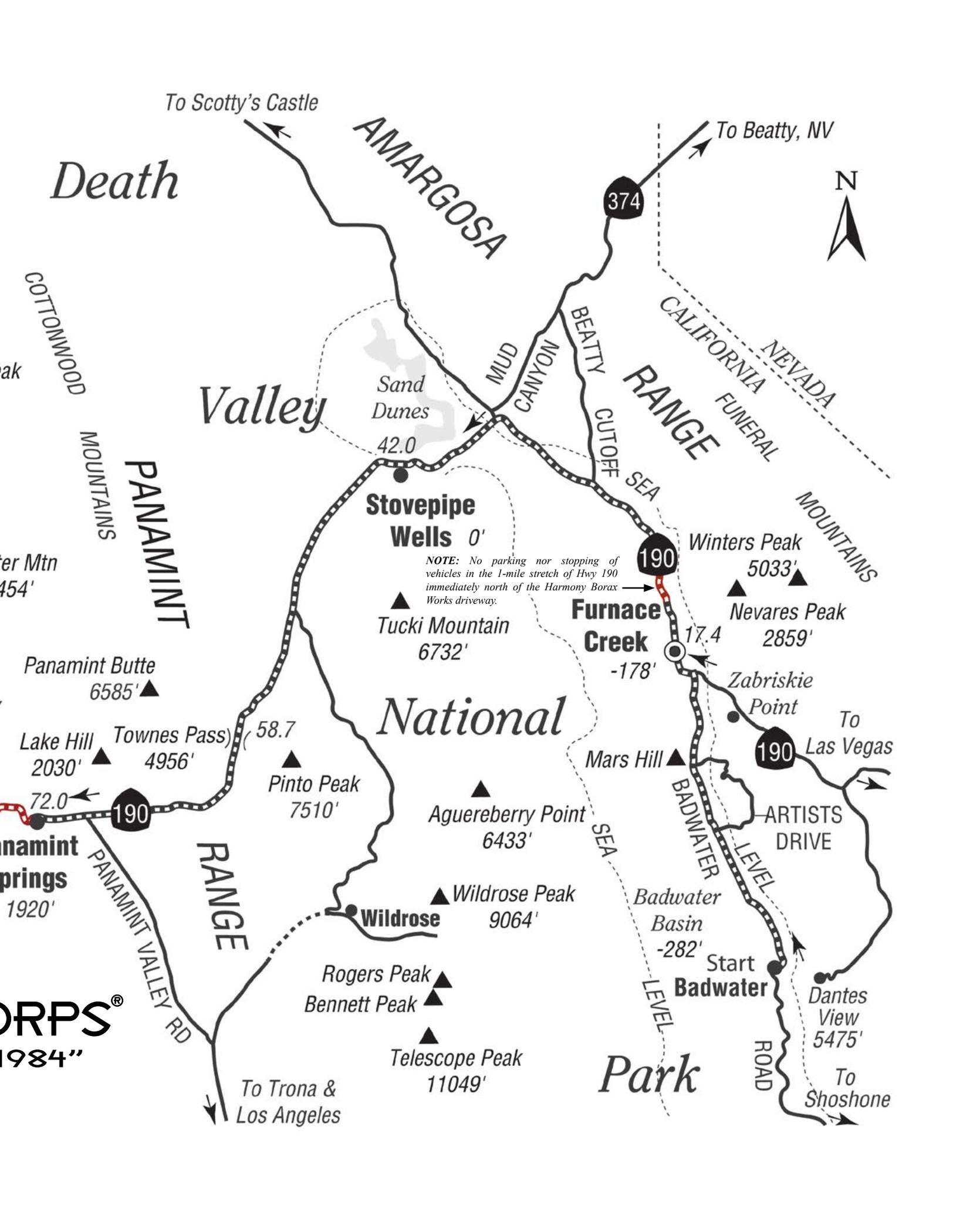


NOTE: Between Panamint Spring and Panamint Pass, support vehicles may only park in eight designated locations, as described in the text version of the route sheet. Also, on this stretch of the route, crew members—other than pacers—may NEVER cross the highway; only pacers and racers may cross the highway.

adventureco

"Out There Since 1968"





## THE OFFICIAL RACE ROUTE

|                                                                                                  | LANDMARK                                                                           | DIST. (MI) | ELE. (FT) | MARKER  |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------|-----------|---------|
| <b>NOTE: TL = TRAFFIC LIGHT; SS = STOP SIGN; T-INT = T-INTERSECTION; JCT. = JUNCTION</b>         |                                                                                    |            |           |         |
|                                                                                                  | Badwater Basin: Head north                                                         | 0          | -282      |         |
| <b>Crews will be held for 10 minutes after each wave begins, then released in small batches.</b> |                                                                                    |            |           |         |
|                                                                                                  | Former location of Telescope Peak Sign on L.                                       | 1.8        | -200      |         |
|                                                                                                  | Wide Shoulder on Right                                                             | 3.1        |           |         |
|                                                                                                  | Natural Bridge turnoff on R. <b>(PACERS MAY JOIN AGE 65+ RUNNERS HERE)</b>         | 3.5        | -170      | MM 13   |
|                                                                                                  | Wide Shoulder on R.                                                                | 3.9        |           |         |
|                                                                                                  | Devil's Golf Course on L.                                                          | 5.6        | -165      |         |
|                                                                                                  | Artist's Drive entry on R.                                                         | 8          | -165      |         |
|                                                                                                  | West Side Road on L.                                                               | 10.6       |           | MM 6    |
|                                                                                                  | Artist's Drive exit on R.                                                          | 11.7       | -70       |         |
|                                                                                                  | Mushroom Rock on R.                                                                | 12.1       | -170      | MM 5    |
|                                                                                                  | Golden Canyon on R. (Toilet / Parking) <b>(45 MPH)</b>                             | 14.5       | -165      |         |
|                                                                                                  | Jct. Hwy 190 & Badwater Rd.: Go Left onto 190 north (Cell Service Begins)          | 16.5       | 0         |         |
| <b>Watch Speed Limit! (Don't be like that Aussie team in 2015!)</b>                              |                                                                                    |            |           |         |
|                                                                                                  | Timbisha Shoshone Reservation on L.                                                | 17.2       | -140      |         |
|                                                                                                  | Furnace Creek Ranch on L.: <b>Ice &amp; Store close at 300am (Time Station #1)</b> | 17.5       | -165      |         |
| <b>Park in lots, not along roadway, near Time Station.</b>                                       |                                                                                    |            |           |         |
| Dumpsters available to dump garbage and recycling at Time Station.                               |                                                                                    |            |           |         |
|                                                                                                  | Furnace Creek Fuel on L. (Please do NOT dump garbage here.)                        |            |           |         |
|                                                                                                  | Park Service Visitor's Center on L. (Run on bike path left of roadway)             | 17.7       | -165      |         |
|                                                                                                  | Furnace Creek Campground on L.                                                     | 17.8       | -170      |         |
|                                                                                                  | Harmony Borax Works on L.: <b>Park here and let runner go ahead (45 MPH)</b>       | 18.2       | -170      |         |
|                                                                                                  | <b>NO STOPPING, SLOWING, or PARKING NEXT 1 MILE! Drive beyond curves!</b>          | 19.1       | -100      |         |
|                                                                                                  | <b>Parking allowed beyond curvey section, where safe.</b>                          | 20.1       |           |         |
|                                                                                                  | Cow Creek on R.                                                                    | 20.8       |           |         |
|                                                                                                  | 1st Marathon                                                                       | 26.2       |           |         |
|                                                                                                  | Daylight Pass Rd. on R. (Cell Service Ends)                                        | 28.4       |           | MM 99.5 |
|                                                                                                  | Salt Creek turnoff on L.                                                           | 30.8       |           | MM 97.5 |
|                                                                                                  | Sea Level sign on R.                                                               | 31.5       | 0         |         |
|                                                                                                  | Sea Level sign on L.                                                               | 32.1       | 0         |         |
|                                                                                                  | "Summit" / end of rolling hills section                                            | 33.7       | 140'      | MM 94.5 |
|                                                                                                  | North Hwy / Scotty's Castle turnoff on R.                                          | 34.9       |           | MM 93.5 |
|                                                                                                  | Sea Level sign on L.                                                               | 35.4       | 0         |         |
| <b>MINIMAL PARKING NEXT 6 MILES! SOFT SHOULDERS. Do not get stuck in sand.</b>                   |                                                                                    |            |           |         |
|                                                                                                  | Devil's Cornfield sign on R.                                                       | 36.3       | -80       | MM 91.5 |
|                                                                                                  | Parking on R. (Space for 2-3 cars)                                                 | 37.1       |           |         |
|                                                                                                  | Camera Sign pullout on R. (Space for 4-5 cars only)                                | 37.5       |           |         |
|                                                                                                  | Sand Dunes Parking Lot on R. (Toilet / Parking) <b>(35 MPH)</b>                    | 40.2       | 0         |         |
|                                                                                                  | Approaching Stovepipe Wells (Cell Service Begins)                                  | 41         | 0         |         |
|                                                                                                  | Stovepipe Wells Village Welcome sign: Gas / Food / Store opens at 300am!           | 42         | 0         |         |
|                                                                                                  | <b>Time Station #2 &amp; Medical HQ on L. by hotel courtyard &amp; flag</b>        | 42.2       |           |         |
| <b>(PACERS MAY JOIN RUNNERS OF ANY AGE HERE.)</b>                                                |                                                                                    |            |           |         |
| <b>It's a long climb, and a long way, to Panamint Springs, 30 miles away!</b>                    |                                                                                    |            |           |         |
| <b>It is CRITICAL to stock up on water, ice, and snacks, plus real food for the crew!</b>        |                                                                                    |            |           |         |
| <b>Also, take advantage of the low gas prices while you are here!</b>                            |                                                                                    |            |           |         |
|                                                                                                  | Mosaic Canyon turnoff on L.                                                        | 42.4       | 5         |         |
|                                                                                                  | 1000' Elevation sign on R. <b>(65 MPH)</b>                                         | 46.8       | 1000      |         |
|                                                                                                  | Short downhill (Cell Service ends on this ascent.)                                 | 47.2       |           |         |
|                                                                                                  | DIP Sign on R. <b>(Do NOT park in dips as you will be invisible!)</b>              | 48.5       |           |         |
|                                                                                                  | <b>2000' Elevation sign: All racers must pass this location before 1000am</b>      | 50.7       | 2000      | MM 77.5 |
|                                                                                                  | Wildrose Station (Bathroom; paved parking lot on R.)                               | 51.2       | 2450      |         |
| <b>Please park neatly and use designated spaces. Don't park "haphazardly."</b>                   |                                                                                    |            |           |         |

| LANDMARK                                                                                                           | Dist. (MI) | Ele. (FT) | MARKER  |
|--------------------------------------------------------------------------------------------------------------------|------------|-----------|---------|
| Wildrose Turnoff on L.                                                                                             | 51.4       | 2500      | MM 76.5 |
| 2nd Marathon                                                                                                       | 52.4       | 2800      | MM 75.5 |
| 3000' Elevation sign on L.                                                                                         | 53.6       | 3000      |         |
| 4000' Elevation sign on L.                                                                                         | 56         | 4000      |         |
| DIP sign on R. (Do NOT park in dips as you will be invisible!)                                                     | 56.4       |           |         |
| Approaching the summit of Towne Pass (30 MPH)                                                                      | 57.25      |           | MM 70.5 |
| Brake Check area on R.                                                                                             | 58.9       | 4965      |         |
| Towne Pass Summit sign on R.                                                                                       | 59         | 4965      |         |
| "Downhill Next 9 Miles - 9% Grade" - Begin descent into Panamint Valley                                            | 59.6       |           |         |
| 4000' Elevation sign on R. (55 MPH)                                                                                | 61.8       | 4000      |         |
| Vista Point (amazing view of Mt. Whitney!) / big gravel pullout on R.                                              | 62         | 3500      |         |
| Paved pullout on L.                                                                                                | 62.5       |           |         |
| Gravel pullout on L.                                                                                               | 63.7       |           | MM 64.5 |
| 3000' Elevation sign on L.                                                                                         | 64.1       | 3000      |         |
| Large Paved pullout on L.                                                                                          | 65.3       |           |         |
| 2000' Elevation sign on L. (65 MPH)                                                                                | 66.4       | 2000      |         |
| Panamint Dry Lake Bed, east edge; "Soft Shoulder" sign                                                             | 68.4       | 1640      |         |
| Panamint Valley Road to Trona / Ridgecrest on L.                                                                   | 70.2       | 1750      |         |
| Panamint Springs Resort: Gas / Mini Mart / Food / Hotel (35 MPH)                                                   | 72.7       | 1970      |         |
| Time Station #3 on L. at resort hotel, not at the gas station                                                      |            |           |         |
| All racers must pass TS3 before 800pm, Tuesday night                                                               |            |           |         |
| Free Showers and Flush Toilets across street at campground!                                                        |            |           |         |
| Get water, ice, snacks, and more at Gas Station / Mini Mart!                                                       |            |           |         |
| Get REAL FOOD quickly with "streamined Badwater Race Menu" at the Resort                                           |            |           |         |
| WARNING: Parking only allowed in designated locations for next 12.2 miles: follow odometer and route book closely. |            |           |         |
| Also watch for our "Badwater Parking Zone" signs.                                                                  |            |           |         |
| 2000' Elevation sign on L. (55 MPH)                                                                                | 73.3       | 2000      |         |
| Darwin Falls turnoff on L. / "Rock Slide Area" sign on R.                                                          | 73.7       | 2500      |         |
| <b>Parking Allowed on R. in gravel pullout with yellow left arrow (1.8 from PSR)</b>                               | 74.5       |           | MM 53.5 |
| <b>Parking Allowed on R. in small gravel pullout on right (3.4 from PSR)</b>                                       | 76.1       |           |         |
| 3000' Elevation sign on L. (end parking allowed zone)                                                              | 76.2       | 3000      |         |
| <b>Parking Allowed on R. in large gravel shoulder on right (4.7 from PSR)</b>                                      | 77.4       |           |         |
| <b>Parking Allowed in large gravel pullout on L. before left curve (5.3 from PSR)</b>                              | 78         |           |         |
| 3rd Marathon at 25 MPH sign with sharp left curve arrow                                                            | 78.6       | 3400      | MM 48.5 |
| 4000' Elevation sign on L.                                                                                         | 80.55      | 4000      |         |
| Father Crowley's Point on R. (Toilet) <b>Parking Allowed in lot (7.9 from PSR)</b>                                 | 80.6       | 4000      |         |
| Please no sleeping on the ground in parking spaces!                                                                |            |           |         |
| <b>Parking Allowed in elevated gravel pullout via small drive on R. (8.7 from PSR)</b>                             | 81.4       |           |         |
| <b>Parking Allowed in wide gravel pullout on R. (35 MPH) (10.5 from PSR)</b>                                       | 83.2       |           | MM 44.8 |
| Summit (no sign) <b>Parking Allowed in large gravel pullout on R. (12.2 from PSR)</b>                              | 84.9       |           |         |
| 65 MPH sign on right, just beyond parking zone                                                                     | 85         |           |         |
| Support vehicles may resume parking wherever it is safe to do so from here onwards.                                |            |           |         |
| Death Valley National Park sign on L. (65 MPH)                                                                     | 85.4       | 4200      |         |
| Saline Valley Rd. on R. (actual DVNP boundary)                                                                     | 86.4       | 4800      |         |
| "Adopt a Highway" sign on R.                                                                                       | 88.6       |           | MM 39.5 |
| Darwin turnoff on L.: Time Station #4 on Left before turnoff                                                       | 90.6       | 5050      | MM 37.5 |
| All racers must pass TS4 before 500am, Wednesday morning                                                           |            |           |         |
| Gravesite on right (white cross)                                                                                   | 96.8       | 4100      |         |
| "Rock Slide Area"                                                                                                  | 99.8       |           |         |
| One hundred miles! (3' wide gray stripe across road with culvert under road)                                       | 100        | 4050      | MM 28*  |
| * MM 28 is exactly at the 100-mile mark, but is on the LEFT side of the road, facing the opposite direction.       |            |           |         |
| 4000' Elevation sign on R. before "Gunsite Notch" (Cell Service Begins)                                            | 102.2      | 4000      |         |
| Jct. Hwy 136 & Hwy 190: Go straight / north onto Hwy 136 "Lone Pine 19mi"                                          | 103.4      | 3935      |         |

| LANDMARK                                                                                            | Dist. (MI) | Ele. (FT) | MARKER  |
|-----------------------------------------------------------------------------------------------------|------------|-----------|---------|
| 4th Marathon                                                                                        | 104.8      | 3800      | MM 16.5 |
| "100 Sulfate Road" sign                                                                             | 106.5      |           |         |
| Keeler City sign at Cerro Gordo Rd. on R.                                                           | 108.1      | 3610      |         |
| Adopt-a-Highway sign on R. after solar panel array                                                  | 109.1      | 3605      |         |
| <b>SOFT SHOULDERS NEXT FOUR MILES: BE CAREFUL! DO NOT GET STUCK!</b>                                |            |           |         |
| Dolomite Loop Road on R.                                                                            | 113.2      | 3600      |         |
| Dolomite Loop Road on R.                                                                            | 117.5      | 3510      |         |
| Cross Owens River: View of Whitney Portal Rd. is straight ahead!                                    | 118.3      | 3500      |         |
| Jct. Hwy 136 & Hwy 395: Go Right / North                                                            | 121        | 3696      |         |
| Runners may run on right side of road into and through Lone Pine: stay well away from traffic lane. |            |           |         |
| <b>WARNING: SPEED LIMITS DROP TO 25mph as you pass through town!</b>                                |            |           |         |
| Comfort Inn on R. (45 MPH)                                                                          | 121.1      |           |         |
| Chevron / Lee's Frontier Deli / Mini Mart (Great sandwiches!) on L.                                 | 121.3      |           |         |
| Best Western on R. (35 MPH)                                                                         | 122        |           |         |
| Lone Pine City Limits sign on R. (25 MPH)                                                           | 122.3      |           |         |
| McDonald's on L.                                                                                    | 122.6      | 3610      |         |
| Dow Villa on R.: Time Station #5 & Medical HQ                                                       | 122.7      | 3610      |         |
| All racers must pass within 42 hours of their individual wave start!                                |            |           |         |
| All racers with time penalties must "check in" and serve penalty time here before continuing.       |            |           |         |
| Portal Road (the only traffic light in Lone Pine): Go left                                          | 122.8      | 3610      |         |
| Tuttle Creek turnoff on L.                                                                          | 123.3      | 3770      |         |
| <b>WARNING: Park and Drive Properly! NO slow driving; NO stopping in roadway!</b>                   |            |           |         |
| Los Angeles Aqueduct                                                                                | 123.4      | 3855      |         |
| Lone Pine Creek                                                                                     | 124.5      | 4200      |         |
| Movie Flat Road on R.                                                                               | 125.5      | 4590      |         |
| <b>WARNING: Park and Drive Properly! NO slow driving; NO stopping in roadway!</b>                   |            |           |         |
| Lone Pine Creek                                                                                     | 125.7      | 4800      |         |
| Horseshoe Meadow turnoff on L.                                                                      | 125.9      | 5000      |         |
| Cuffe Ranch turnoff on R.                                                                           | 127.1      | 5100      |         |
| <b>WARNING: Park and Drive Properly! NO slow driving; NO stopping in roadway!</b>                   |            |           |         |
| Whitney Vista Drive on L                                                                            | 127.4      |           |         |
| Olivas Ranch Road on L.                                                                             | 128.4      | 5300      |         |
| "Entering Active Bear Area"                                                                         | 129.2      |           |         |
| <b>WARNING: Park and Drive Properly! NO slow driving; NO stopping in roadway!</b>                   |            |           |         |
| Lone Pine Campground on L.                                                                          | 129.3      | 5700      |         |
| Lone Pine Creek                                                                                     | 129.6      | 6000      |         |
| "Inyo National Forest" sign on R. (Sign was missing in May, 2015)                                   | 129.8      | 6400      |         |
| 5th Marathon at Indian Creek Rd. on R.                                                              | 131        | 7000      |         |
| Time Station #6 in Large gravel pullout on R.                                                       | 131.1      | 6890      |         |
| Road makes a 180-degree switchback to L.                                                            | 132        | 7215      |         |
| Vista Point on Left at large gravel pullout                                                         | 132.8      | 7400      |         |
| "Campsites 39-44" and "Whitney Portal Recreation Area" signs                                        | 133.7      | 7700      |         |
| <b>WARNING: Park and Drive Properly! NO slow driving; NO stopping in roadway!</b>                   |            |           |         |
| Meysan Lakes trailhead on L.                                                                        | 133.9      | 8035      |         |
| Family Campground on L.: Support vehicles should drive ahead to park!                               | 134        | 8100      |         |
| Overflow Parking Lot on L.                                                                          | 134.6      | 8200      |         |
| Finish Line of the World's Toughest Foot Race: <i>Congratulations!</i>                              | 134.7      | 8360      |         |

Mile Markers (MM) noted are on R. side of road and within 2/10 of a mile of their stated location. For reference only. Official distance is 135.0 miles. Remember all car odometers have error. Distances above were GPS-measured and are accurate in a relative sense.

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**Badwater Basin, Death Valley (- 85m / 280ft)**

The race begins here adjacent to a pool of saltwater located at the lowest place in the Western Hemisphere.

**Furnace Creek Ranch (-170'), Mile 17.5 (Time Station #1)**

The first oasis in our journey. A gas station, small general store, hotel, restaurant, camping, and ice are available. Stock up here!

**Stovepipe Wells (Sea Level), Mile 42.2 (Time Station #2)**

A small general store, gas station, restaurant and motel. Location of the race's Medical HQ for most of first 15 hours of the race. Stock up here!

**Towne Pass (4956'), Mile 58.7**

17-mile long ascent with 5000' of elevation gain, then a 10-mile long descent with 3000' feet of elevation loss into the Panamint Valley. It's a steep and narrow road with limited opportunities to park. Support vehicles, crews, and runners must be cautious and extra aware of the traffic.

**Panamint Springs Resort (2000'), Mile 72.7 (Time Station #3)**

Gas station / mini-mart, plus restaurant and motel. We rent out "The Cottage" as a way station for any and all race entrants and crews to use during the race: Bring your own towel, soap, and shampoo and make a big effort to keep the room and bathroom tidy. After passing Panamint Springs, a long, steep climb follows on a steep and narrow road with limited opportunities to park. Support vehicles, crews, and runners must be cautious and extra aware of the traffic, and ONLY park in the eight designated parking zones between Panamint Springs Resort and unmarked "Panamint Pass" at mile 84.9.

**Father Crowley's Turnout (4000'), Mile 80.65**

The bathrooms and parking lot that designate this view point are not the top of this ascent, though you may hope so. The road continues to rise to 5000' over rolling hills, then eventually descends into the Owen's Valley.

**Darwin Turn-Off (5050'), Mile 90.6 (Time Station #4)**

Just a few miles to the south of our route is the small inhabited ghost town of Darwin, the website for which touts "NO broadcast TV; NO AM/FM radio, NO cell signal; NO stores; NO restaurants." This is where the race usually starts to get serious for all entrants. Look for Mile Marker 28 about nine miles ahead to indicate your 100-mile mark!

**Keeler (3610'), Mile 108.1**

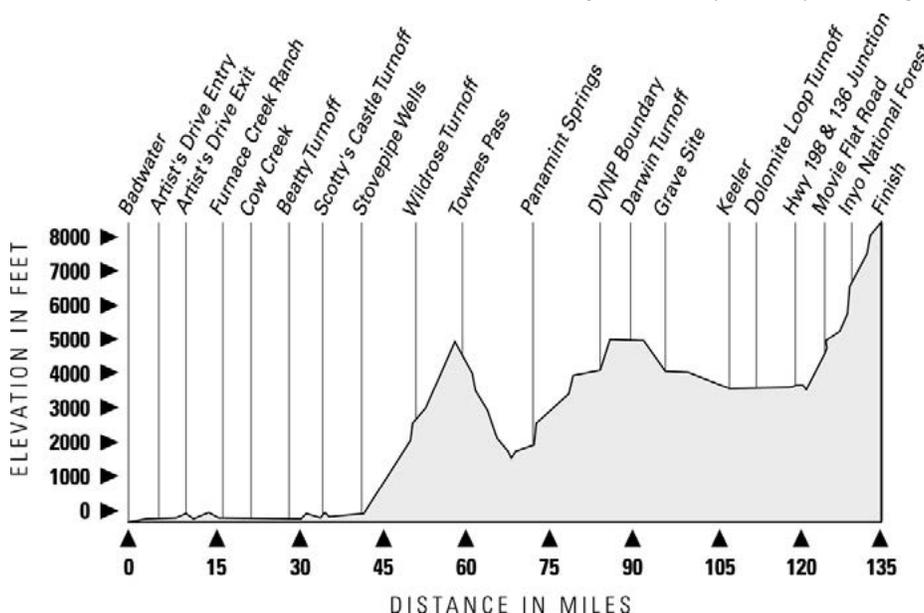
This is a small mining town with no facilities which abuts the Owens Dry Lake Bed the left of the highway. Amazing views of Mt. Whitney and the Sierra Nevada abound. A dirt road to the right ascends to Cerro Gordo, an authentic ghost town which was featured in the 2014 Badwater 135 and will be featured again in the upcoming "Badwater® Cerro Gordo" 102-mile Ultramarathon.

**Lone Pine (3610'), Mile 122.7 (Time Station #5)**

Lone Pine offers the weary runner and crew all the amenities of a real town: fast food, pizza, restaurants, motels, gas stations, grocery stores, and more, not to mention our Race Headquarters at the Dow Villa. Restock here for the climb to Whitney Portal. Turn left onto the Whitney Portal Road to begin the final leg, the longest and steepest climb of the race (13 miles with 5000 feet of elevation gain). After the turn from Hwy 395, it's 8.4 miles to Time Station #6, located at the start of the switchbacks. Temperatures will steadily decrease during the ascent (though depending on time of day). Be prepared with extra layers of clothing and rain gear the final few miles; at night it can approach freezing temperature. Be sure your support vehicle is always parked completely off of the road and that you do not block traffic, even for a moment.

**Mt. Whitney Trailhead, (8360'), Mile 135**

Congratulations! You have finished the world's toughest foot race! A small diner/shop are open during daylight hours. There is also a stocked fishing pond and a campground (because, of course, after running 135 miles, you really want to go fishing and camping!).





# THE DANGERS OF HOT WEATHER RUNNING

## *DEHYDRATION, HEAT CRAMPS, HEAT EXHAUSTION, HEATSTROKE & HYPONATREMIA*

*By Claudio Piepenburg  
(Originally published by Road Runner Sports)*

*2007 men's champion and record-breaker Valmir Nunes gets help with staying cool.*

Running in hot weather can pose dangers to runners. Particularly dangerous is racing in hot, humid summer conditions. Here's how to protect yourself from these five serious (and potentially fatal) conditions.

### **Dehydration**

Dehydration is not limited only to the summer months, although it's probably more likely to occur during that time. Many physicians believe that most people are in a constant state of dehydration. Since coffee, tea, soda and alcohol act as a diuretic, anyone who drinks these fluids on a daily basis, and doesn't drink at least an equal amount of water, will probably be dehydrated. If the person is physically active, the potential for dehydration is even greater.

Working out in hot, humid conditions promotes sweating, which in turn can cause dehydration. Sweating is good for you because it cools your body, but when you lose too much water you become dehydrated. If you're already slightly dehydrated, sweating will

only make it worse. It's important to maintain an adequate fluid intake all the time. Don't expect that you can make up for several days of not drinking enough by downing two cups of sports drink before your next long run or race. It's important to keep hydrated all the time. Once you start to feel thirsty, it's too late.

The average (sedentary) person needs a minimum of eight 8-ounce glasses of fluid a day. Runners need more: anywhere from four to eight quarts of fluid. That translates to at least sixteen 8-ounce glasses daily. Remember that diuretics don't count! Drink water and sports drinks, and if you don't have to worry about calories, fruit drinks or juice.

Two hours before your daily summer workout or a race, you should drink 16 ounces of fluid. Then ten minutes or so before you start to run, drink another one or two cups of water or sports drink. Drinking early and drinking often is the key. During a race you should drink six to twelve ounces of fluid every 15-20 minutes. If the weather is very hot, you may need to drink even more. Training in warm weather, you should drink at least

every 35 to 40 minutes. (Remember you will have already had two 8-ounce glasses before you started.) If you're running a race shorter than 30 minutes, you probably won't need any water other than what you drank before the start. The same goes for the last few miles of a longer race. If you're racing or training for longer than an hour, drink sports drinks as opposed to strictly water.

Start drinking immediately after finishing a run, no matter if it was a race or a workout. Minimum is 16 ounces for every 30 minutes you ran. If you tend to sweat a lot, you'll need more. Weigh yourself after you've run. Drink at least 16 ounces of fluid for every pound you lose through sweating.

By monitoring the color of your urine you can tell if you're hydrated. It should be pale yellow or even clear. If it isn't, you need to drink more fluids. It's important that you retain the fluid, so be careful it you're urinating every fifteen or twenty minutes. To restore your fluid balance, eat something salty (a bag of pretzels, salted nuts, crackers or potato chips), then drink a sports drink. The salt will make you thirstier, so you'll take in even more fluid and urine production will decrease.

### Heat Cramps

Have you ever seen a runner bent over at the side of the road massaging their calves during a race? Chances are that he or she had heat cramps. Heat cramps are very painful (envision someone stabbing a knife deep into your muscles!) and rarely "work themselves out". The cramps occur because you've lost minerals through sweating and dehydration. Once you've reached the point of heat cramps, it's too late to try to replace fluids on the run. To make the cramps go away you should:

- Stop running
- Drink fluids immediately. The fluids should include sports drinks as well as water
- Massage the muscles once the pain begins to subside
- Cool your body with wet towels
- Get out of the sun

### Heat Exhaustion

Heat exhaustion is a very serious condition that can lead to heatstroke. The symptoms of heat exhaustion are:

- Dizziness
- "Goose bumps" (particularly on the torso and arms)
- Nausea (sometimes accompanied by vomiting)
- Moderate to severe headache
- Weak legs
- Lack of coordination
- Rapid pulse

- Heavy sweating often accompanied by moist and cold skin
- Muscle cramping

If you experience any of these symptoms you must:

- Stop running immediately
- Get medical attention
- Drink large amounts of fluids, including sports drinks
- Get out of the sun
- Lie down and elevate your feet above your heart
- Loosen your clothing

### Heatstroke

Heatstroke can be fatal. Unfortunately runners will sometimes ignore the symptoms of heat exhaustion (particularly in races longer than 10K) and will continue to push themselves until they're nearing a total thermoregulatory breakdown. The symptoms of heatstroke are very similar to those of heat exhaustion, but rapidly progress to:

- Disorientation
- Weakness in the legs to the point that the runner may fall
- Strange behavior (including flailing with the arms and shoving)
- "Fuzzy" thinking
- Rapid pulse
- Cessation of sweating and hot/dry skin
- Body temperature that may reach 104 degrees or higher
- Lack of consciousness
- Convulsions or seizures
- Coma

Someone suffering from heatstroke needs immediate medical attention. They should be moved out of the sun, cooled by either rubbing their body with ice or immersing them in cold water and given fluids intravenously.

### Hyponatremia

Within the last few years the condition known as hyponatremia has begun to attract the attention of sports medicine physicians, exercise physiologists, and the medical directors at some of the larger marathons around the country. Hyponatremia has been called water intoxication because of the symptoms it produces. According to Dr. Tim Noakes, Professor of Exercise & Sports Science Director at the University of Cape Town, "...a person with hyponatremia looks like he or she is mildly drunk. They can't concentrate normally...they forget what you were talking about and start to concentrate elsewhere."

## THE DANGER OF HOT WEATHER RUNNING

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*Noora Alidina receives fluids for inside and out during the 2007 race from her husband and daughter.*

Hyponatremia occurs when the body becomes dangerously low in sodium. It's caused when you literally take in too much water. Although scientists have known about it for a long time, it has only been in the last few years as more runners have been competing in marathons that it has become a concern. According to Dr. Noakes, fluid has to be ingested at high levels for several hours for hyponatremia to occur. He suggests that a runner would have to be drinking water regularly for at least four to six hours to develop the condition. So runners taking four to six hours or more to run a marathon are at particular risk.

Unfortunately, symptoms of hyponatremia tend to mimic those of severe dehydration and/or heat exhaustion. By giving the athlete more water to drink the hyponatremia becomes worse, as more and more sodium is flushed out of the system. If a runner with hyponatremia is given fluids intravenously, they can suffer a fatal reaction. Dr. Noakes and other sports medicine professionals recommend that physicians and other medical personnel at road races be alert for the signs of hyponatremia. One of the earliest symptoms is a craving for salty food.

Although hyponatremia is rare, it's wise to be aware that it can occur, particularly if you're running a marathon in unusually hot

weather. Hyponatremia serves as a reminder that water is good, but don't forget sports drinks, which replenish your body with the sodium, potassium and other trace minerals you lose through sweat. It's worth repeating: if you're going to be running (or racing) for longer than an hour, you should be drinking a sports drink as well as water.

### ***About the author:***

*Claudia Piepenburg has been running for 21 years and is the current editor for Peak Run Performance. She holds or has held state age-group records in Michigan, North Carolina, Florida, Tennessee and Virginia. In 1990, she was ranked 18th fastest masters woman in the world and 8th fastest masters woman in the U.S. in 1990 and 1991. She competed in the 1988 Olympic Marathon Trials, was 20th woman overall in the 1987 Boston Marathon and women's winner of the 1986 Virginia Beach Marathon. If you have questions or comments for Claudia, she can be reached at [cpiepe@roadrunnersports.com](mailto:cpiepe@roadrunnersports.com).*

## MEDICAL RISKS IN THE BADWATER ULTRAMARATHON



*2011 champ Oswaldo Lopez stays cool during the 2013 race.*

This 135 mile race is probably the most physically taxing competitive event in the world. It also has considerable medical risks. All runners and crews must appreciate these two facts both before and during the race.

Heat illness and heat stroke are serious risks. These can cause death, renal shutdown, and brain damage. It is important that runners and crews be aware of the symptoms of impending heat illness. These include: nausea, vomiting, headache, dizziness, faintness, irritability, lassitude, weakness, and rapid heart rate. Impending heat stroke may be signaled by a decrease in sweating and goose bumps, especially over the chest.

Heat stroke may progress from minimal symptoms to complete collapse in a very short period of time. Deaths and renal shutdown (kidney failure) have been reported in other ultra-marathons. Adequate conditioning is mandatory.

Adequate fluid and electrolyte intake is the most important preventative for heat illness. Runners may well require dozens of gallons of fluid during this race. Proper pace is crucial.

The high altitude plus exertion can also produce various degrees of altitude sickness. This can lead to severe lung and brain swelling, and even death. The main treatment is rest, and especially to get to a lower altitude.

Blisters are also a problem on this course, with pavement temperatures perhaps reaching 200 degrees. Proper foot care & preparation are essential for having a successful race.

Remember, you are responsible for your well-being while participating in this race. There are no aid stations. Know where your limits are and know your body. Your acceptance of invitation to this race declares that you are aware of the risks & potential health problems.

| HEAT EXHAUSTION                                                                                                                                                                           | OR | HEAT STROKE                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------|
| Faint or dizzy                                                                                                                                                                            |    | Throbbing headache                                                                                                                       |
| Excessive sweating                                                                                                                                                                        |    | No sweating                                                                                                                              |
| Cool, pale, clammy skin                                                                                                                                                                   |    | Body temperature above 103°<br>Red, hot, dry skin                                                                                        |
| Nausea or vomiting                                                                                                                                                                        |    | Nausea or vomiting                                                                                                                       |
| Rapid, weak pulse                                                                                                                                                                         |    | Rapid, strong pulse                                                                                                                      |
| Muscle cramps                                                                                                                                                                             |    | May lose consciousness                                                                                                                   |
| <ul style="list-style-type: none"> <li>• Get to a cooler, air conditioned place</li> <li>• Drink water if fully conscious</li> <li>• Take a cool shower or use cold compresses</li> </ul> |    | <p><b>CALL 9-1-1</b></p> <ul style="list-style-type: none"> <li>• Take immediate action to cool the person until help arrives</li> </ul> |

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 [@SacramentoOES](https://twitter.com/SacramentoOES) SacramentoReady.org

## RACE RULES

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### GENERAL RACE RULES

1. There are three starting times for the 2017 Badwater Ultramarathon (800pm, 930pm, and 1100pm on July 10, 2017), but all racers in all groups are competing in the same race. Runners must check in at the start line, ready to race, 30 minutes prior to their start time.

2. Starting Groups are assigned by the race director and are non-transferable. Split times will be collated throughout the race to maintain overall standings. There are only two divisions: men's and women's. The racer to arrive at the finish line in each division with the lowest overall time, based on their starting time, will be considered the winner.

3. The race number must be worn by the racer on the front of the body, unmodified, unfolded, and visible at all times during the race. It may not be worn on the head or hat. Bib numbers must also be worn by any pacer / crew member who is running along with his or her racer.

4. The GPS tracker provided by the race organizers must be worn by the runner, as directed (not worn on the shorts, nor carried in a pocket or in a hand-held bottle pocket.). When the runner has a pacer with him or her, that pacer may wear the tracker instead of the runner. However, the tracker must stay on or immediately near the racer at all times during the race; it must NOT travel along the race course within the support vehicle. The tracker must be returned to the race staff upon finishing the race, or when the racer withdraws; a \$500 fee will be charged if the tracker is lost. A minimum one-hour time penalty will be assessed for any runner who doesn't properly use the assigned GPS tracker.

5. All runners MUST have passed, and be proceeding beyond, the following locations along the race route within the specified time cut-offs.

- Mile 50.5 (2000' Elevation Sign, located 8.6 miles beyond Stovepipe Wells): All runners must pass by 1000am, Tuesday morning (regardless of starting wave).

- Mile 72 (Panamint Springs Resort): All runners must pass by 800pm, Tuesday night (regardless of starting wave).

- Mile 90 (Darwin Turn-Off): All runners must pass by 500am, Wednesday morning (regardless of starting wave).

- Lone Pine at Mile 122: Within 42 hours. Additionally, beyond the Darwin Checkpoint, if it becomes clear that a runner will not be able to finish the race officially within the 48-hour time limit, that runner may be forced to withdraw from the course and the race prior to the actual conclusion of the 48 hours.

6. Runners who fail to meet the specified time cut-offs along the course must withdraw from the race course; similarly, runners who are disqualified from the race must also withdraw from the race course. Such runners may not continue on the race course "unofficially" or after simply removing their bib number. Crew members from withdrawn runners must also depart the race course, unless they formally join another runner's crew.

7. The clock does not stop for any reason until the race course officially closes 48 hours after each designated official start time. All racers must leave the course by the 48th hour beyond their start time: Finishing, or remaining on the race course with the intent to continue, is not allowed after 48 hours.

8. Running must always be single file, on the far left side of the road or off the left side of the road, facing traffic (pacers, too).

9. Racers must make their presence known at all Time Stations located along the route.

10. As it has since 1989, the race ends at Mt. Whitney Portal. If any entrant or crew member chooses to hike to the summit, official race logos must not be worn and the appropriate permits must be obtained from the Forest Service.

11. Racers, crew, and staff must not litter, mar, or pollute the landscape or environment.

12. All racers, crew and staff must display courtesy, good taste, decorum, and sportsmanship at all times. Nudity is specifically not allowed.

13. All racers, crew and staff must display courtesy, good taste, decorum, and sportsmanship at all times. Nudity is specifically not allowed.

### Legal and Bureaucratic Issues

1. "Badwater®" is a federally registered trademark and may not be used in any commercial or promotional manner except under license from AdventureCOPRS, Inc. In particular, t-shirts (such as for crew members) may not state "Badwater" or feature any version of the race logo.

2. All applicants must be a minimum of 19 years in age when submitting an application to race.

3. All racers must follow and complete the entire application and entry process, filling out all forms and paying all necessary fees.

4. Each Runner's Support Crew shall have a designated Crew Chief and his or her name and email address must be provided to the race organizers at least six weeks before the race. All crew chiefs must study all race rules and information about supporting a runner and organizing and overseeing a support team, as well as study all email correspondence sent by the race organizers. Each Crew Chief is to be primarily responsible for managing the support crew, maintaining adherence to all race rules, state and local laws, and common sense, as well as overseeing the Health and Safety of all crew members and the runner at all times.

5. The names and email addresses of all support crew members must be provided at least four weeks before the race. All crew members must study all race rules and information about supporting a runner and organizing a support team, as well as study all email

correspondence sent by the race organizers.

6. Each runner is strongly encouraged to bring a nurse, EMT, MD or other first responder or medical professional on his or her support team.

7. Each runner is strongly encouraged to bring at least one crew member or Crew Chief who is a veteran runner, crew member, or Crew Chief with Badwater 135 experience.

8. Each racer is strongly encouraged to carry a walkie-talkie for communicating with his or her support crew. This is particularly encouraged for the Father Crowley / Panamint Springs ascent, between Panamint Springs at Mile 72.7 and Panamint Pass at Mile 84.9.

9. All racers and all crew members must sign the Accident Waiver and Release of Liability / Release of Name and Likeness. Each entrant must also bring the properly completed Check-In Form and Medical History Form to Runner Check-In.

10. All race vehicles must meet the minimum requirements of property damage and personal injury liability automobile insurance for the State of California. All vehicle drivers must be fully licensed.

11. All racers and all designated Crew Chiefs must attend Racer Check-In, while all crew members are encouraged to attend. Additionally, all racers and their designated Crew Chiefs ONLY must attend the Pre-Race Meeting. Those racers and/or their Crew Chiefs who do not complete the scheduled check-in and attend the Pre-Race Meeting will not be allowed to participate. Attendance is mandatory: no exceptions will be made.

12. All racers must be willing to submit to a drug urine test before (at any point prior to the race, after being officially confirmed for entry), during (at any time), or after the race (up to 90 days after the conclusion of the race). If any WADA banned substances are detected, the racer will be disqualified from competition, listed as DISQUALIFIED FOR DOPING in the final standings of the race, and banned for life from any AdventureCORPS event. Refusal to submit a urine specimen upon demand will also result in the racer being disqualified from competition, being listed as DISQUALIFIED FOR DOPING in the final standings of the race, and being banned for life from any AdventureCORPS event. Additionally, any Badwater 135 finisher who fails a drug test within 36 months after competing in any edition of the Badwater 135 will be retroactively disqualified from any and all previous Badwater 135 races, removed from all Badwater 135 race results, as well as banned for life from any AdventureCORPS events.

13. All entrants must bring one U.S. dollar (or more) in a sealed envelope to Racer Check-In. Please write the runner number on the envelope. This envelope will not be returned and the money will be donated to charity.

14. During Racer Check-In, all entrants must display a minimum

of four satisfactory reflective vests - or 360 degree reflective belts - and eight blinking red lights - which will be worn and utilized by the runner and crew during nighttime periods of the race. Runners without satisfactory quality, or quantity, nighttime safety equipment will be required to purchase additional gear at that time, IF any such gear is available.

15. During Racer Check-In, all racers must display one OSHA Class 2 reflectivity garment for each crew member to wear during the day, and one OSHA Class 3 reflectivity garment for each crew member to wear during the night (or one OSHA Class 3 reflectivity garment for each crew member to wear 24 hours a day). See point 3 under "Support Crew & Assistance" below.

16. During Racer Check-In, all racers must show that they have at least eight personal portable toilet products such as the Biffy Bag for use on the race course wherever toilets are not available. (Zip-lock bags or dog poop bags are NOT acceptable.) Such products must be used discreetly and must be disposed of properly after use. Public and/or unsanitary defecation by racers or crew members will result in disqualification of the racer.

17. All racers and crew must pay the Death Valley National Park Entrance Fee for each of their support vehicle(s). Proof must be brought to Runner Check-In. Runners will not be allowed to check-in for the race without proof of paying the Park Entrance Fee.

18. No commercial photography or videography may be conducted at the race without the specific written permission of AdventureCORPS, Inc. Additionally, the National Park Service, California Department of Transportation and/or the U.S. Forest Service may also require payment of a filming fee and signature of a filming agreement. Also, bona fide media must contact AdventureCORPS, Inc. to request a media credential.

#### 19. PHOTO / VIDEO REGULATIONS WITHIN DEATH VALLEY NATIONAL PARK

The National Park Service regulates photography and videography that is considered commercial in nature. (The NPS had jurisdiction over the first 85 miles of the race route; the final 50 miles of the race route are outside DVNP jurisdiction. Therefore photos and videos shot over the last 50 miles of the race route – Darwn, Keeler, Lone Pine, Portal Road, and finish line – are not governed by NPS regulations.) In simple terms, this means the following:

- Photo / video for personal use, including posting to runners' and crew members' social media accounts, websites, and similar is not regulated, so long as it is conducted in a safe manner and according to the rules of the race, the motor vehicle code, and the NPS special event permitting guidelines. No permit is required for personal use.

- Photos / video which is being shot to provide to sponsors of runners to be used by the sponsors in a promotional purpose IS regulated and may require a Commercial Filming Permit. Said

## RACE RULES

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permits have an up-front \$210 fee and may likely also require Ranger Monitoring. Any monitoring costs would likely be fractionally shared by all those who are required to have a Commercial Filming Permit, and will be billed after the event.

–If you or your crew members will be shooting photos and/or video to provide to your sponsor(s), you likely require a Commercial Filming Permit and thus should contact the Special Park Uses office at Death Valley National Park at least 30 days before the event to inquire.

–All those who are required to obtain a Commercial Filming Permit, as well as all bona fide media, must also attend the Media Check-In and Briefing prior to the race.

### Support Crew and Assistance

1. Each racer must be accompanied by a support crew comprised of no more than one four-wheeled motor vehicle and at least two and no more than four crew members - at least two of whom are legally licensed to drive and at least one of whom can speak English - at all times. Race entrants may have no more than one support vehicle and no more than four crew members in total on the race course.

2. “Unofficial” or extra crew members and “family cheering squads” may only be present in Lone Pine and at the finish line; they may not drive on the race course except between Lone Pine and the finish line and such drive must be made without stopping en route. A secondary vehicle may not be used to shuttle crew members or supplies to and from the runner and support vehicle, except within Lone Pine.

3. Each racer must have his or her own personal support crew and vehicle; crew and support vehicles may not be shared, except informally in the spirit of the event, i.e., crews may lend assistance to other racers or crews. Exceptions may be made under some circumstances for married couples or others who have a history of racing together and would like to race this event in this manner. Please inquire.)

4. Regulations for sporting events held within Death Valley National Park require that ALL support crew members (except those actively pacing their racer) wear a minimum of OSHA Class 2 (or higher) high-visibility clothing during daylight hours, and OSHA Class 3 high-visibility clothing during nighttime hours (or OSHA Class 3 high-visibility clothing 24 hours a day). These regulations may ONLY be met by wearing the special garments developed by ZZYXXXZ in collaboration with BADWATER and which can be pre-ordered for pick-up in Death Valley prior to the race, OR by wearing certified OSHA Class 2 (in daytime) and Class 3 (at nighttime) vests / jackets, such as those worn by highway workers. Running-type reflective vests, such as those by Nathan Sports, do NOT meet OSHA Class 2 or Class 3 requirements.

5. Racers and Pacers may dress as they choose during daylight, and must wear 360 degree reflectivity (such as runner-type reflective vests by Nathan Sports) and front and rear blinky lights at night.

Racers and Pacers are not required to wear the specific OSHA Class 2 or OSHA Class 3 garments that are required for all crew members, but that level of high-contrast reflectivity and visibility is highly recommended for racers and pacers, too.

6. In addition to the requisite reflective garments, all crew members, pacers, and racers must wear front and rear blinky lights whenever they are outside of a motor vehicle during nighttime.

7. Beginning immediately at the start line, racers must not run abreast with other racers or with pacers, except when passing a slower racer, which must be done quickly. All running must be single-file. Additionally, pacers may not run in front of, even slightly, racers at any time.

8. Runners must progress under their own power without drafting, helping, pushing, supporting, or any other type of physical assistance. Runners may not use walking sticks, ski poles, or the like. So-called “cooling vests” or other types of artificial / technological cooling systems may not be worn or utilized by race entrants while making forward progress on the race course. Crewmembers may not carry an umbrella or shade cover for a runner while he or she is moving forward on the race course.

9. Any crew member running along with their racer is considered a pacer and must wear the pacer’s designated bib number (provided at Racer Check-In). Runners may not be accompanied by more than one pacer at any given time while making forward progress on the race course. Additional crew members that are handing off supplies, or otherwise providing aid, to the runner and/or pacer must be off the roadway at all times (i.e. left of the white line on the shoulder) and may not run along with the runner. To be clear: if a runner is moving forward on the race course, NO MORE THAN ONE crew member may also be moving with, or near, the runner at the same time. Time penalties will be assessed for all infractions.

10. No more than two crew members, including a pacer if one is present, may be on the other side (racers’ side) of the highway at any given time.

11. Crew members, other than pacers, may never cross the roadway during the entire Father Crowley / Panamint Pass climb (a 12.2-mile stretch from Time Station 3 at Panamint Springs Resort at Mile 72.7 to “Panamint Pass” at Mile 84.9), as described above. Also, each racer, or racer’s pacer, is strongly encouraged to carry a walkie-talkie for communicating with his or her support crew during this 12.2-mile stretch of the race route. In addition to Badwater race staff, this will also be monitored by National Park Service staff who have the authority to disqualify racers.

12. Racers may not be accompanied by pacers or moving crew members until Mile 42 at the Stovepipe Wells time station. Exception: racers over the age of 65 may utilize a pacer from Mile 3.5 (Natural Bridge turn-off.)

13. Wheeled conveyances (other than a motorized support vehicle), including in-line skates, strollers, and bicycles, are prohibited on

the course at all times. Likewise for hovercrafts and helicopters. Runners accompanied by any such conveyance will be disqualified. (Drones are illegal within Death Valley National Park boundaries.)

14. Crew members may not use illegal drugs, stimulants, or dope, as well as alcohol of any kind, during the race or at any official race events or activities.

### **Support Vehicles**

1. The California Motor Vehicle Code, and all local, county, and/or federal laws, rules, and regulations, must be respected at all times. In particular, support vehicle drivers and crews are reminded that phones must only be operated by the driver with a hands-free device; seat belts must be worn by all vehicle occupants at all times while moving, and it is illegal to drive on a highway while displaying emergency flashers. For further information, consult the DMV Code.

2. Support vehicles may not be wider than 78" in width, not counting mirrors, fenders, or bumper which extend beyond the widest part of the actual vehicle body. Small Cars, Minivans, and SUVs are recommended. Oversize SUVs, vans, and trucks, or other types of oversize vehicles are strongly discouraged. Motorhomes, RVs, "Sports-Mobiles," Sprinter Vans, and all types of Hummers are specifically not allowed. Support vehicles may not pull trailers of any kind.

3. All support vehicles must have their headlights on while driving, 24 hours a day, except as noted in Rule 10 in this section of the rules.

4. All race vehicles must have highly visible signage on the back of the vehicle stating "CAUTION RUNNERS ON ROAD." Magnetic reusable signs may be ordered from our sign vendor, or one-time use signs will be provided by the race organizers at Racer Check-In.

5. All support vehicles must have their racer's bib number easily and clearly visible on both sides, the front, and the left rear in digits that are at least 8" (20cm) tall. The background for the racer number signs must be white and the lettering must be black, red, or blue. (STICKY racer bib numbers will be provided to ALL racers at no charge during Racer Check-In. These racer numbers must be displayed on the support vehicle.)

6. Display of the racer's name is optional, but must be at least 6" (15cm) tall if displayed, with a white background and black, blue, or red letters.

7. Sponsor / Charity names and graphics may be placed on support vehicles on the left and right sides only, not on the front or rear.

8. Vehicle windows may not be blocked or obstructed with any signage, paint, or the like. All vehicles will be inspected in Furnace Creek or Badwater, and no racer will be allowed to start the race who has any vehicle windows blocked. If a racer support vehicle is found with blocked windows during the race, that racer will be forced to stop and wait while the vehicle's windows are unblocked and signage properly mounted.

9. Vehicles must "leapfrog" the runner at all times. Each "leapfrog" must be at least two miles or more in length. Racers may not be "shadowed" (driving a vehicle at the runner's speed) and vehicles must not "caravan" (drive together, like a train, at any speed). Driving may never be at the speed of any racer. Driving must be done at the speed of traffic, never slowing down to encourage, talk to, or lend assistance to any racer while moving. All assistance must be provided by pedestrian crew members; handing off of supplies from the vehicle is never allowed, nor is slowing down to speak with or to a racer or other person while moving.

10. Vehicles must be parked completely off the road surface whenever they are stopped (with all four tires right of the white line). The doors on the left side of the vehicle must never be opened into the roadway, even momentarily. All exiting of the vehicle by active crew members must be from the right side of the vehicle; drivers may exit from left but only if space allows for them to do so without their door opening into the roadway. Crew members must not stand on the left side of a parked vehicle (between the road and the vehicle.) Many areas of the route have very little shoulder for parking so care must be taken in choosing stopping places. When stopping/parking, vehicles may not stop on the left side of the road. All stopping/parking must be on the right side of the road, off the roadway. From 700pm to 600am each day (night) of the event, at all times while stopped or parked off the road, support vehicles must have their headlights turned off and emergency flashers turned on.

11. Support vehicles must not park across from parked vehicles on the other side of the road (50 meters in either direction), in order to avoid bottlenecking the roadway.

12. Support vehicles may not stop during the one-mile stretch which begins at Harmony Borax Works at Mile 19.1, while runners pass through the curvy "Harmony Curves" section of Hwy 190. Each support vehicle should wait at Harmony Borax Works long enough to allow the runner to cover the next, mostly uphill mile, then drive ahead (no stopping nor slowing until Mile 20.1).

13. On the Father Crowley / Panamint Pass climb (a 12.2-mile stretch from Time Station 3 at Panamint Springs Resort at Mile 72.7 to "Panamint Pass" at Mile 84.9), support vehicles may only stop at EIGHT designated locations along the route. These are identified in the route book and with signage along the roadway. They are located 1.8, 3.4, 4.7, 5.3, 5.9, 7.95, 10.5, and 12.2 miles beyond Panamint Springs Resort. Except in a legitimate emergency situation, stopping at any other location along this stretch of roadway, even momentarily, will result in the immediate disqualification of the racer associated with the stopped crew. In addition to Badwater race staff, this will also be monitored by National Park Service staff who have the authority to disqualify racers.

### **Safety and Medical Issues**

1. Remember, at all times and in all situations, safety is the most important issue. This means safety for racers, crew, staff, and the

## RACE RULES

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general public. The roads are not closed for this event and are, in fact, quite busy with tourist and local traffic.

2. I.V.s (intravenous fluids) are not permitted during the race. If a racer receives an I.V. during the race, for any reason, then that racer is disqualified and must withdraw from the race and the race course.
3. Racers are responsible for both their own and their crew's actions; crews are responsible for both their own and their racer's actions.
4. Always look and listen both ways before crossing the highways. Remember that drivers will not expect to encounter a racer or parked vehicle out on the course. Remember the event is held on public roads. Racers should not cross over the highway more than necessary; crew should cross the highway carefully to bring assistance to their racer (except on the Father Crowley climb as noted elsewhere). Time Penalties or Disqualification will be enforced with a Zero Tolerance Policy towards dangerous crossing of, or behavior on, the roadway.
5. Per National Park Service regulations, racers and crew members may not wear any headset covering the ears, or any earplugs in both ears, unless it is a necessary prosthetic device that aids the hearing-impaired.
6. All entrants and crew must study "Medical Risks in the Badwater Ultramarathon," "Dangers of Running in the Heat," and "The Dangers of Hot Weather Running".

### Leaving the Course or Withdrawing

1. Every inch of the course must be traveled by each racer. In the event of a routing error, e.g., wrong turn, the racer may be driven back to the exact original spot where he/she left the course and continue running from that location. There will be no allowance made for lost time or miles run in the wrong direction.
2. If a racer needs to leave the course via motor vehicle, his/her crew must note the exact location with a numbered stake in the ground. This numbered stake must be visible from the road in both directions. The racer must then resume the race from the same place that he/she left it. The numbered stakes will be provided to all racers at Racer Check-In. Racers may only leave or otherwise drive up or down the course via motor vehicle for medical attention, NOT simply to rest. This must be reported as soon as possible to Race Headquarters or the nearest time station. Racers found in a moving motor vehicle will be disqualified unless they are en route to or from medical care. Focus must be kept on the speedy completion of the course.
3. If a racer withdraws, he/she or his/her crew must contact Race Headquarters or a Time Station immediately. Name, bib#, reason for withdrawal, time of withdrawal, and miles completed must be stated. All racers and crew who drop are encouraged - and expected - to come to the finish line and the post-race party to greet and celebrate with their fellow racers and crews.

4. All Emergency Evacuation costs for participants or crews will be borne by that person or their heirs. The race organizers are in no way liable or responsible for emergency evacuation.

### Awards

1. All racers who begin the event will receive a Badwater 135 race t-shirt, hat, Race Magazine, and a goodie bag with other one-of-a-kind Badwater items and products from the race sponsors, as well as entry into the post-race pizza party (for the racer and up to four crew members). All racers who officially complete the event within 48 hours will receive a finisher's t-shirt and commemorative Badwater 135 buckle.

### Rule Enforcement and Penalties

1. Race rules are designed to provide a safe and fair experience for everyone involved and to help ensure our ability to produce the race again next year.
2. Major rule infractions by racers or their crew, especially those regarding "cheating," will result in immediate disqualification of the racer.
3. Other, lesser offenses will result in the following cumulative time penalties:
  - A WARNING may be issued, depending on the nature of the infraction, at the discretion of the race official (A "slash" will be marked on the racer's bib number.)
  - First Penalty: One Hour ("X" will be marked on the racer's bib number.
  - Second Penalty: Disqualification
4. Time penalties are imposed by the penalized runner stopping at the final Time Station in Lone Pine to serve his/her time penalty. The race and clock will continue while the penalized racer waits out his/her penalty time. A Race Official will be present to oversee this process. Any racer who is required to serve a time penalty, but does not stop to do so, will be disqualified.
5. The Race Director has the authority, at any time, to overrule any rule or invent a new rule based on extenuating, unforeseen, and/or unusual circumstances and/or to maintain the integrity and fair play necessary for the successful completion, and continuation, of the race. The Race Director has ultimate authority in regards to all rules, their interpretation, and their enforcement. There is no "appeals committee" nor an "appeals process." All entrants in the race, and their support crews, willingly acknowledge this fact, as well as all other race rules, by attending the race in any capacity.
6. In all cases and circumstances, it is the intent, and spirit, of the rules which will govern their implementation and enforcement.

### Finally

Have fun and keep smiling! Remember, you chose to be here!

**FINISHER DATA ANALYSIS: 1990-PRESENT**

**FINISHER DATA ANALYSIS: BADWATER 135 ULTRAMARATHON, 1990-PRESENT**

| Year              | Starters    | Finishers   | Buckle Cut-Off | Sub 60hr | Sub 48hr   | Sub 40hr   | Sub 34hr   | New Men Record | New Women Record |
|-------------------|-------------|-------------|----------------|----------|------------|------------|------------|----------------|------------------|
| 2016 (PM)         | 97          | 84          | 48 Hours       | N/A      | 87%        | 55%        | 25%        | 21:56:32       | 25:53:07         |
| 2015 (PM)         | 97          | 79          | 48 Hours       | N/A      | 81%        | 57%        | 20%        |                |                  |
| <b>2 Year Avg</b> | <b>97</b>   | <b>82</b>   |                |          | <b>84%</b> | <b>56%</b> | <b>23%</b> |                |                  |
| 2014 (AM)         | 97          | 83          | 48 Hours       | N/A      | 86%        | 52%        | 23%        |                |                  |
| 2013 (AM)         | 96          | 81          | 48 Hours       | N/A      | 84%        | 39%        | 23%        |                |                  |
| 2012 (AM)         | 96          | 89          | 48 Hours       | N/A      | 93%        | 71%        | 34%        |                |                  |
| 2011 (AM)         | 94          | 81          | 48 Hours       | N/A      | 86%        | 76%        | 20%        |                |                  |
| 2010 (AM)         | 80          | 73          | 48 Hours       | 91%      | 83%        | 51%        | 19%        |                | 26:16:12         |
| <b>5 Year Avg</b> | <b>92.6</b> | <b>81.4</b> |                |          | <b>86%</b> | <b>58%</b> | <b>24%</b> |                |                  |
| 2009 (AM)         | 86          | 75          | 48 Hours       | 87%      | 77%        | 47%        | 24%        |                |                  |
| 2008 (AM)         | 82          | 75          | 48 Hours       | 91%      | 83%        | 37%        | 10%        |                | 26:51:33         |
| 2007 (AM)         | 84          | 78          | 48 Hours       | 93%      | 77%        | 47%        | 18%        | 22:51:29       |                  |
| 2006 (AM)         | 85          | 67          | 48 Hours       | 79%      | 62%        | 24%        | 13%        |                |                  |
| 2005 (AM)         | 81          | 67          | 48 Hours       | 83%      | 56%        | 22%        | 7%         | 24:36:08       |                  |
| <b>5 Year Avg</b> | <b>83.6</b> | <b>72.4</b> |                |          | <b>87%</b> | <b>71%</b> | <b>14%</b> |                |                  |
| 2004 (AM)         | 72          | 57          | 48 Hours       | 79%      | 58%        | 28%        | 8%         |                |                  |
| 2003 (AM)         | 73          | 46          | 48 Hours       | 63%      | 42%        | 14%        | 5%         |                |                  |
| 2002 (AM)         | 78          | 58          | 48 Hours       | 74%      | 47%        | 12%        | 4%         |                | 27:56:47         |
| 2001 (AM)         | 71          | 55          | 48 Hours       | 77%      | 46%        | 14%        | 7%         |                |                  |
| 2000 (AM)         | 69          | 49          | 48 Hours       | 71%      | 41%        | 16%        | 12%        | 25:09:05       | 29:48:27         |
| <b>5 Year Avg</b> | <b>72.6</b> | <b>53</b>   |                |          | <b>73%</b> | <b>47%</b> | <b>17%</b> |                |                  |
| 1999 (AM)         | 42          | 33          | 48 Hours       | 78%      | 60%        | 26%        | 12%        | 27:49:00       | 36:58:00         |
| 1998 (AM)         | 29          | 20          | 48 Hours       | 69%      | 41%        | 17%        | 10%        | 28:09:00       |                  |
| 1997 (AM)         | 27          | 20          | 48 Hours       | 74%      | 44%        | 26%        | 3%         | 29:10:00       | 37:01:00         |
| 1996 (AM)         | 23          | 14          | 45 Hours       | 61%      | 35%        | 1%         | 4%         | 33:01:00       | 41:13:00         |
| 1995 (PM)         | 24          | 16          | 45 Hours       | 67%      | 38%        | 13%        | 0%         |                |                  |
| <b>5 Year Avg</b> | <b>29</b>   | <b>20.6</b> |                |          | <b>70%</b> | <b>44%</b> | <b>17%</b> |                |                  |
| 1994 (PM)         | 25          | 16          | 45 Hours       | 64%      | 32%        | 1%         | 4%         |                |                  |
| 1993 (PM)         | 12          | 10          | 60 Hours       | 83%      | 50%        | 25%        | 17%        |                |                  |
| 1992 (PM)         | 14          | 13          | 60 Hours       | 92%      | 29%        | 14%        | 14%        |                |                  |
| 1991 (PM)         | 14          | 14          | 60 Hours       | 100%     | 71%        | 36%        | 14%        |                |                  |
| 1990 (PM)         | 21          | 17          | 70 Hours       | 81%      | 29%        | 29%        | 14%        |                |                  |
| <b>5 Year Avg</b> | <b>17.2</b> | <b>14</b>   |                |          | <b>84%</b> | <b>42%</b> | <b>13%</b> |                |                  |

**AGE GROUP AND \*\*OVERALL COURSE RECORDS**

| Age Group                 | Men                              | Time     | Women                                 | Time     |
|---------------------------|----------------------------------|----------|---------------------------------------|----------|
| 10-19                     | Nickademus Hollon, 19, USA, 2009 | 33:21:29 | N/A                                   | N/A      |
| 20-29                     | Pete Kostelnick, 28, USA, 2016** | 21:56:32 | Jen Lee Segger, 28, Canada, 2008      | 32:31:57 |
| 30-39                     | Oswaldo Lopez, 39, Mexico, 2011  | 23:41:40 | Alyson Venti (Allen), 34, USA, 2016** | 25:53:07 |
| 40-49                     | Valmir Nunes, 43, Brazil, 2007   | 22:51:29 | Nikki Wynd, 43, Australia, 2015       | 27:23:27 |
| 50-59                     | Charlie Engle, 50, USA, 2013     | 26:15:35 | Irina Reutovich, 50, Russia, 2000     | 29:48:27 |
| 60-69                     | David Jones, 60, USA, 2012       | 30:33:19 | Pamela Chapman-Markle, 60, USA, 2016  | 41:02:04 |
| 70-79                     | Arthur Webb, 70, USA, 2012       | 33:45:40 | N/A                                   | N/A      |
| Youngest Ever             | Nickademus Hollon, 19, USA, 2009 | 33:21:29 | Breanna Cornell, 22, USA, 2014        | 44:58:21 |
| Oldest Ever               | Jack Denness, 75, UK, 2010       | 59:13:02 | Sigrid Eichner, 64, Germany, 2005     | 52:45:46 |
| Oldest Ever (Sub-48 Hrs.) | Arthur Webb, 70, USA, 2012       | 33:45:40 | Dixie A. Madsen, 63, USA, 2000        | 47:04:00 |

## HISTORICAL DATA ABOUT THE BADWATER 135: 1987-2016

### HISTORICAL DATA ABOUT THE BADWATER 135, 1987 - 2017

**Total Number of Entrants, including 2017:** 1787

\* 1430 and 357 Females (80% / 20%)

**Total Number of Unique Entrants, including 2017:** 917

\* 725 Males and 192 Females (79% / 21%)

**Total Unique Finishers, through 2016 (any time limit):** 782

\* 609 Males and 173 Females (78% / 22%)

\* Time limits have been 70 hours, 60 hours, then 48 hours

**Total Unique Finishers, through 2016 (48 hours or less):** 660

\* 513 Males and 147 Females (78% / 22%)

**Total Unique Finishers, through 2016 (36 hours or less):** 214

\* 176 Males and 38 Females (82% / 18%)

**Comparison: Total Number of Mt. Everest Summits, as of 2016:**

7,646 summits by 4,469 people

### NUMBERS OF OFFICIAL FINISHES, THROUGH 2016

**1-Time Finishers:** 523 (407 Males and 116 Females; 78% / 22%)

**2-Time Finishers:** 141 (109 Males and 32 Females; 77% / 23%)

**3-Time Finishers:** 51 (44 Males and 7 Females; 86% / 14%)

**4-Time Finishers:** 25 (16 Males and 9 Females; 64% / 26%)

**5-Time Finishers:** 12 (9 Males and 3 Females; 75% / 25%)

**6-Time Finishers:** 9 (7 Males and 2 Females; 78% / 22%)

**7-Time Finishers:** 5 (Monica Scholz, Cheryl Zwarkowski,  
Oswaldo Lopez, Frank McKinney, Anthony Portera)

**8-Time Finishers:** 4 (Eberhard Frixe, David Jones, Ian Parker,  
Keith Straw)

**9-Time Finishers:** 3 (Lisa Smith-Batchen, Ray Sanchez, Chris Frost)

**10-Time Finishers:** 2 (Dean Karnazes and Danny Westergaard)

**11-Time Finishers:** 1 (Pam Reed)

**12-Time Finishers:** 2 (Jack Denness and Dan Marinsik)

**13-Time Finishers:** 1 (Scott Weber)

**14-Time Finishers:** 2 (Arthur Webb and John Radich)

**20-Time Finishers:** 1 (Marshall Ulrich)

### UNIQUE FINISHERS' NATIONALITY

|                   |    |                          |            |
|-------------------|----|--------------------------|------------|
| India .....       | 4  | Portugal.....            | 2          |
| Iran .....        | 3  | Romania .....            | 1          |
| Ireland.....      | 4  | Russia .....             | 3          |
| Israel.....       | 1  | Serbia .....             | 2          |
| Italy.....        | 13 | Singapore .....          | 3          |
| Japan .....       | 8  | Slovenia .....           | 1          |
| Jordan .....      | 1  | South Africa .....       | 3          |
| Kazakhstan .....  | 1  | South Korea .....        | 1          |
| Latvia .....      | 1  | Spain.....               | 5          |
| Luxembourg .....  | 2  | Sweden .....             | 3          |
| Malaysia .....    | 1  | Switzerland .....        | 6          |
| Mexico .....      | 8  | United Kingdom ...       | 43         |
| Netherlands.....  | 1  | United States.....       | 465        |
| New Zealand.....  | 5  |                          |            |
| Philippines ..... | 3  | <b>Total Non-USA ...</b> | <b>317</b> |
| Poland.....       | 4  | <b>Total.....</b>        | <b>782</b> |



# BADWATER 135 OFFICIAL FINISHERS: 1987-2016



*1987, the first race: Tom Crawford and Jeanie Ennis stayed in synch for the duration.*

| Last Name     | First Name       | Nationality    | Finishes                     |
|---------------|------------------|----------------|------------------------------|
| Adams         | Eleanor          | United Kingdom | 1987                         |
| Adams         | James            | United Kingdom | 2010                         |
| Adamson       | Ian              | Australia      | 2010                         |
| Afanador      | Rudy             | USA            | 2004, 2001                   |
| Albert        | Norm             | USA            | 2005                         |
| Aldovini      | Roberto          | Italy          | 2009                         |
| Alexander     | Lorie            | Canada         | 2016, 2015, 2014, 2011, 2010 |
| Alidina       | Noora            | Jordan         | 2015, 2007, 2006, 2005       |
| Amaral        | Marcio Villar    | Brazil         | 2008                         |
| Andersen      | Jill             | USA            | 2015                         |
| Anderson      | Jay              | USA            | 2003, 2002                   |
| Anderson      | Marina (Mimi)    | United Kingdom | 2011, 2005                   |
| Andersson     | Mikael           | Sweden         | 2013, 2012                   |
| Andre         | Carla            | Portugal       | 2016                         |
| Andrews       | Bill             | USA            | 2009, 2008                   |
| Andrulis      | Robert           | USA            | 2006                         |
| Angel Andrade | Julio Cesar      | Mexico         | 2014, 2012                   |
| Ankenbrand    | Juergen          | USA            | 1992, 1990                   |
| Ankeney       | Bob              | USA            | 1999, 1998                   |
| Ansick        | William          | USA            | 2010                         |
| Armstrong     | Shanna Christine | USA            | 2008                         |
| Arnstein      | Michael          | USA            | 2012                         |
| Aro           | Matthew          | USA            | 2010                         |
| Ashizawa      | Jeff             | Canada         | 2013, 2012                   |
| Askew         | Stuart           | United Kingdom | 2001                         |
| Ayres         | Ed               | USA            | 1990                         |
| Bahr          | Tracy            | USA            | 2003                         |

| Last Name  | First Name   | Nationality | Finishes         |
|------------|--------------|-------------|------------------|
| Baier      | Dr. Burkhard | Germany     | 2004             |
| Ballantyne | Jane         | Canada      | 2003             |
| Baluchi    | Reza         | Iran        | 2012, 2010       |
| Banderas   | Carlos       | USA         | 1998             |
| Barnes     | Rita         | USA         | 2008             |
| Bartoletti | Marie        | USA         | 2008             |
| Barton     | Michelle     | USA         | 2010             |
| Bartoo     | Duke         | USA         | 1998             |
| Basich     | Crystal      | USA         | 2012             |
| Bastidas   | Norma        | Canada      | 2015             |
| Batchen    | Gerald Jay   | USA         | 2000             |
| Baughman   | Wayne        | USA         | 1991             |
| Baum       | Todd         | USA         | 2009, 2008, 2007 |
| Beach      | Maggie       | USA         | 2014, 2012       |
| Becker     | Bob          | USA         | 2015, 2014, 2008 |
| Begay      | Arnold       | USA         | 2009             |
| Belitu     | Adrian       | Romania     | 2010, 2009       |
| Bell       | Raymond      | USA         | 1990             |
| Bellante   | Rich         | USA         | 2000             |
| Bello      | Emily        | USA         | 2013             |
| Bello      | Todd         | USA         | 2013             |
| Benike     | Jim          | USA         | 2001             |
| Benjamin   | Christopher  | USA         | 2014             |
| Benjamin   | Elad         | Israel      | 2010             |
| Benke      | Blake        | USA         | 2009, 2007       |
| Berggren   | Marcus       | Sweden      | 2016, 2015       |
| Bergland   | Christopher  | USA         | 2005, 2003       |
| Bethke     | Ricarda      | Germany     | 2015             |
| Betts      | Mary         | Canada      | 2011             |

## BADWATER 135 OFFICIAL FINISHERS: 1987-2016

| Last Name       | First Name | Nationality    | Finishes                           |
|-----------------|------------|----------------|------------------------------------|
| Betz            | Thomas     | Germany        | 2005, 2004                         |
| Bhardwaj        | Arun       | India          | 2011                               |
| Bhatt           | Divesh     | India          | 2011                               |
| Bialla          | Vito       | USA            | 2008, 2002                         |
| Biondic         | George     | Canada         | 2004, 2002                         |
| Birmingham      | Jay        | USA            | 2004                               |
| Bishop          | Rusty      | USA            | 2001                               |
| Blackford       | Darris     | USA            | 2013                               |
| Blackford       | Starshine  | USA            | 2015                               |
| Blake           | Jonathan   | Australia      | 2011                               |
| Blanchard       | Eric       | France         | 2012                               |
| Blangy          | Marianne   | France         | 2014, 2009, 2008, 2007             |
| Blessing        | Ben        | USA            | 2011                               |
| Bliss           | Lisa       | USA            | 2007, 2004                         |
| Blumberg        | Andre      | Germany        | 2014                               |
| Bodoh           | Jim        | USA            | 2006, 2004, 2003                   |
| Boehnke         | Gunter     | Germany        | 2006, 2004                         |
| Bolling         | David      | USA            | 1987                               |
| Bomhoff         | Greg       | USA            | 2011                               |
| Bonato          | Raphael    | Brazil         | 2009                               |
| Bookspan        | Adam       | USA            | 2006, 2003, 2000, 1999, 1998       |
| Bostic          | Bobby      | USA            | 2006                               |
| Boyer           | Bonnie     | USA            | 1991                               |
| Boyle-Vulgarian | John       | USA            | 2001                               |
| Braden          | Paul       | Canada         | 1997                               |
| Bradley         | Bill       | USA            | 2009, 2008                         |
| Branco          | Ariovaldo  | Brazil         | 2010, 2009                         |
| Brehe           | Michael    | Germany        | 2012                               |
| Brenden         | Dan        | USA            | 2015                               |
| Brimsted        | Antony     | United Kingdom | 2004                               |
| Brooks          | Mike       | USA            | 2004                               |
| Brunson         | Angela     | USA            | 2002                               |
| Bucci           | Paolo      | Italy          | 2013, 2012, 2011                   |
| Buck            | Kip        | USA            | 2001                               |
| Budzik          | Kimberlie  | USA            | 2016, 2015, 2014, 2013, 2012, 2011 |
| Burnett         | Adam       | Canada         | 2016                               |
| Bursler         | David      | USA            | 2006                               |
| Busch           | Bonnie     | USA            | 2015, 2011, 2007, 2003             |
| Butcher         | Bill       | USA            | 2011                               |
| Butterick       | John       | USA            | 2008, 2005, 2004                   |
| Cain            | Gerard     | France         | 2005                               |
| Calisto         | Eduardo    | Brazil         | 2013                               |
| Campbell        | Amy        | New Zealand    | 2013                               |
| Campilongo      | Mary       | USA            | 2000                               |
| Cande           | Patrick    | France         | 2005, 2003                         |
| Candel          | Joaquin    | Spain          | 2015                               |
| Cantu           | Ruben R.   | USA            | 2009, 2004, 2003, 2002, 2001, 2000 |
| Carrion         | Elizabeth  | USA            | 2009                               |

| Last Name      | First Name | Nationality    | Finishes               |
|----------------|------------|----------------|------------------------|
| Carter         | Carol      | USA            | 1990                   |
| Carver         | Dave       | Canada         | 2012                   |
| Castaneda      | Angelika   | Austria        | 1999, 1991, 1990, 1989 |
| Castello       | Patrick    | USA            | 2016                   |
| Chapman-Markle | Pamela     | USA            | 2016                   |
| Chasilew       | Mauro      | Brazil         | 2009                   |
| Cheang         | Reuben     | Singapore      | 2014                   |
| Choi           | Don        | USA            | 1991                   |
| Chorgnon       | Ludovic    | France         | 2007                   |
| Christensen    | Odin       | USA            | 1991                   |
| Christian      | Jack       | USA            | 1991, 1990             |
| Christiansen   | Odin       | USA            | 1990                   |
| Ciabattini     | Alberto    | Italy          | 2001                   |
| Clark          | Benjamin   | USA            | 2011                   |
| Clark          | David      | USA            | 2015, 2013             |
| Clark          | Tony       | USA            | 2015, 2012, 2011       |
| Cleveland      | Carl       | USA            | 2014                   |
| Clifton        | Eric       | USA            | 1999                   |
| Coats          | David      | USA            | 2016, 2012             |
| Cockbain       | Mark       | United Kingdom | 2009, 2007, 2005, 2003 |
| Cockman        | Dave       | USA            | 2016                   |
| Coffey         | Marty      | USA            | 1995                   |
| Colque         | Christian  | Argentina      | 2014                   |
| Conill         | Carles     | Spain          | 2009                   |
| Conte          | Francesca  | Italy          | 2004                   |
| Cook           | Ethel      | USA            | 2012                   |
| Cook           | Patricia   | USA            | 2003                   |
| Cook           | William    | USA            | 2008                   |
| Cooper         | Louise     | USA            | 2003, 1999             |
| Cooper-Imhof   | Iris       | Switzerland    | 2013, 2011, 2010, 2009 |
| Corbarieu      | Thierry    | France         | 2012                   |
| Corbin         | Leigh      | USA            | 2009                   |
| Cordeiro       | Sergio     | Brazil         | 2003                   |
| Corey          | John       | USA            | 2016, 2014             |
| Corfman        | David      | USA            | 2010                   |
| Corino         | Marylou    | Canada         | 2013                   |
| Corley         | William    | USA            | 2016                   |
| Cornell        | Breanna    | USA            | 2015                   |
| Costa          | Amy        | USA            | 2016, 2014, 2013       |
| Cougot         | Dale       | USA            | 2016, 2015             |
| Cowan          | Robert     | USA            | 2012                   |
| Craveri        | Juan       | Argentina      | 2014                   |
| Crawford       | Sada       | USA            | 2016                   |
| Crawford       | Tom        | USA            | 1987                   |
| Croxall        | Doug       | USA            | 2001                   |
| Crutchlow      | Kenneth    | United Kingdom | 1987                   |
| Cuff           | Kermit     | USA            | 2011, 2009, 2008       |
| Cunningham     | Ron        | USA            | 2006                   |
| D&#39;Angelo   | Scott      | USA            | 2012                   |

## BADWATER 135 OFFICIAL FINISHERS: 1987-2016

| Last Name   | First Name                  | Nationality    | Finishes                                                                        |
|-------------|-----------------------------|----------------|---------------------------------------------------------------------------------|
| D'Andria    | Henri Alain                 | France         | 2007                                                                            |
| Daguaia     | Sebastiao                   | Brazil         | 2009                                                                            |
| Dailey      | Bruce                       | USA            | 2013                                                                            |
| Dami        | Joao                        | Brazil         | 2016                                                                            |
| Daniel      | Conrad                      | USA            | 2003                                                                            |
| de Souza    | Rodrigo Pereira<br>Reinaldo | Brazil         | 2015                                                                            |
| De Witte    | Philippe                    | Belgium        | 2004                                                                            |
| Decker      | Joe                         | USA            | 2000, 1999                                                                      |
| DeJesus     | Maria                       | United Kingdom | 1999                                                                            |
| Delk        | Kayla                       | USA            | 2016                                                                            |
| Delk        | Kevin                       | USA            | 2016                                                                            |
| Denness MBE | Jack                        | United Kingdom | 2010, 2005, 2002,<br>2001, 2000, 1999,<br>1998, 1996, 1994,<br>1993, 1992, 1991 |
| DeNoma      | Mike                        | USA            | 2013                                                                            |
| Desena      | Joseph                      | USA            | 2003                                                                            |
| Deshaies    | Eric                        | Canada         | 2010                                                                            |
| Dessy       | Luigi                       | USA            | 2016, 2015, 2014                                                                |
| Deupree     | Chisholm                    | USA            | 2008                                                                            |
| Deupree     | Harry                       | USA            | 1996, 1995, 1994,<br>1992, 1991                                                 |
| Dhaliwal    | Charanjit                   | USA            | 2015                                                                            |
| Di Palma    | Ciro                        | Italy          | 2013                                                                            |
| Dickerson   | Alexa                       | USA            | 2013, 2012                                                                      |
| Dill        | Jim                         | USA            | 1995                                                                            |
| Dobberteen  | Dean                        | USA            | 2016                                                                            |
| Dockendorf  | Connie                      | USA            | 2011, 2010                                                                      |
| Dodds       | John                        | USA            | 2005                                                                            |
| Doggett     | Jesse                       | USA            | 2010                                                                            |
| Dolhare     | Meredith                    | USA            | 2013                                                                            |
| Doman       | Wendell                     | USA            | 2002                                                                            |
| Donaldson   | Jamie                       | USA            | 2010, 2009, 2008,<br>2007                                                       |
| Doppelmayr  | Hildegard                   | Austria        | 2006                                                                            |
| Doppelmayr  | Michael                     | Austria        | 2004, 2003, 2002                                                                |
| Dorgan      | Jason                       | USA            | 2005                                                                            |
| Dorion      | Lisanne                     | Bermuda        | 2000                                                                            |
| Dorsey      | Rico                        | USA            | 2013                                                                            |
| Douglas     | Steven                      | USA            | 2008                                                                            |
| Dowell      | Derek                       | USA            | 2016                                                                            |
| Draxler     | Leon J.                     | USA            | 2002, 2001, 2000                                                                |
| Drellick    | Julius                      | USA            | 2016                                                                            |
| Duobinis    | Stanley                     | USA            | 2001                                                                            |
| Dutz        | Sigurd                      | Germany        | 2001                                                                            |
| Eadie       | David                       | Australia      | 2012                                                                            |
| Eason       | Greg                        | USA            | 2005                                                                            |
| Edinger     | Perry                       | USA            | 2009                                                                            |
| Edwards     | Daniel                      | United Kingdom | 2001                                                                            |
| Eggenreich  | Gerhard                     | Austria        | 2009, 2006                                                                      |
| Ehasz       | James                       | USA            | 2015, 2014, 2012,<br>2011                                                       |

| Last Name     | First Name       | Nationality    | Finishes                                                   |
|---------------|------------------|----------------|------------------------------------------------------------|
| Eichner       | Sigrid           | Germany        | 2005                                                       |
| Eielson       | Ken              | USA            | 2003                                                       |
| Elam          | Linda            | USA            | 1988                                                       |
| Elder         | Andrew           | United Kingdom | 2005                                                       |
| Elia          | Barbara A.       | USA            | 2003, 2002, 2001,<br>2000                                  |
| Elias         | Barbara          | USA            | 2008, 2007                                                 |
| Eliot         | Eileen           | USA            | 1994                                                       |
| Elmgart       | Otto             | Sweden         | 2013                                                       |
| Elson         | James            | United Kingdom | 2010                                                       |
| Engle         | Charlie          | USA            | 2013, 2009, 2007,<br>2006, 2005, 2003                      |
| Ennis         | Jean             | USA            | 1987                                                       |
| Escobar       | Luis             | USA            | 2011, 2006, 2003                                           |
| Ettinghausen  | Ed               | USA            | 2016, 2015, 2014,<br>2013, 2012, 2011                      |
| Evans         | Colin Meredydd   | United Kingdom | 2000                                                       |
| Fahrenkamp    | Kyle             | USA            | 2016                                                       |
| Farar-Griever | Shannon          | USA            | 2015, 2010, 2009,<br>2006, 2005, 2001                      |
| Farinazzo     | Marco            | Brazil         | 2012, 2010, 2009                                           |
| Fatton        | Christian        | Switzerland    | 2007                                                       |
| Faure         | Francis          | France         | 2004                                                       |
| Fegyveresi    | John             | USA            | 2012                                                       |
| Fernandez     | Monica           | Guatemala      | 2008                                                       |
| Ferraro       | Nathan           | USA            | 2015                                                       |
| Ferreira      | Joilson          | Brazil         | 2013                                                       |
| Fetterolf     | Jared            | USA            | 2016, 2015, 2014                                           |
| Finkernagel   | Holger           | Germany        | 2005, 2002, 2001                                           |
| Finnell       | Scott            | USA            | 2011, 2010                                                 |
| Fioroni       | Gina             | USA            | 2016                                                       |
| Fischer       | Markus           | Germany        | 2006                                                       |
| Flores        | Gabriel          | USA            | 1999, 1998                                                 |
| Florine       | Jacqueline Adams | USA            | 2008                                                       |
| Foote         | Geoffrey         | USA            | 2014, 2013                                                 |
| Fortney       | Darren           | USA            | 2014, 2013, 2011,<br>2009                                  |
| Franiak       | Joe              | USA            | 1993, 1992                                                 |
| Franklin      | Martin           | USA            | 2007                                                       |
| Frazeur       | Rochelle         | USA            | 2011                                                       |
| Freeman       | Jimmy Dean       | USA            | 2016, 2010                                                 |
| Friedel       | Winfried         | Germany        | 2002                                                       |
| Frixe         | Eberhard         | Germany        | 2012, 2011, 2009,<br>2008, 2007, 2004,<br>2002, 2001       |
| Fromm         | Anita Marie      | USA            | 2010, 2008, 2007,<br>2003, 2002                            |
| Frost         | Chris            | USA            | 2012, 2011, 2010,<br>2008, 2007, 2006,<br>2004, 2003, 2002 |
| Fumich        | Frank            | USA            | 2004                                                       |
| Gaetos        | Ben              | Philippines    | 2013                                                       |
| Gane          | William          | United Kingdom | 2016                                                       |
| Gardner       | Connie           | USA            | 2010                                                       |

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| Last Name       | First Name      | Nationality    | Finishes                     |
|-----------------|-----------------|----------------|------------------------------|
| Gaudet          | Peggy           | USA            | 2009                         |
| Gay             | Florence        | France         | 2011                         |
| Gayter          | Sharon          | United Kingdom | 2009                         |
| Geerdes         | Gregg           | USA            | 2010                         |
| Gelber          | Eric            | USA            | 2015, 2012                   |
| Gelder          | Emily           | United Kingdom | 2011                         |
| Geoffroy        | Rudolph         | France         | 2015                         |
| Geraldi         | Alan            | USA            | 2008                         |
| Gerauer         | Alfred          | Germany        | 2004                         |
| Gingerich       | Zach            | USA            | 2012, 2011, 2010, 2009, 2008 |
| Girard          | Serge           | France         | 2008                         |
| Givens          | Bob             | USA            | 1993, 1992                   |
| Gleason         | Jeff            | USA            | 2014, 2012, 2010, 2009       |
| Gleman          | Michael         | USA            | 1995                         |
| Glover          | Will            | USA            | 2013                         |
| Godale          | Mark            | USA            | 1999                         |
| Goggins         | David           | USA            | 2013, 2007, 2006             |
| Gorski          | Mary Campbell   | USA            | 2008                         |
| Graglia         | Michele         | Italy          | 2016                         |
| Graham          | Dave            | Australia      | 2016                         |
| Graves Jr.      | Terry           | USA            | 2002                         |
| Green           | David           | USA            | 2012                         |
| Griffith        | Grif            | USA            | 2013                         |
| Grimm           | Paul            | USA            | 2012, 2010                   |
| Grizard         | Philippe        | France         | 2014, 2007                   |
| Grobeson        | Jay             | USA            | 2000                         |
| Grossheim       | Dagmar          | Germany        | 2007                         |
| Grossman        | Dominic         | USA            | 2010                         |
| Gryfe           | Robert          | Canada         | 2010                         |
| Guajardo        | Brenda          | USA            | 2016, 2011                   |
| Gunderson       | Jonathan        | USA            | 2012, 2009, 2008, 2007, 2006 |
| Gungle          | Bruce           | USA            | 2012, 2008, 2006, 2004       |
| Gusm&atilde;o   | Carlos Henrique | Brazil         | 2013                         |
| Hafner          | Joerg           | Germany        | 2012                         |
| Hamilton        | James           | USA            | 1999, 1998                   |
| Hanes           | Steve           | USA            | 2009                         |
| Hanna           | Noel            | Ireland        | 1999                         |
| Hannaford       | Dave            | USA            | 2002                         |
| Hansen          | Leon Skriver    | Denmark        | 2016                         |
| Hardel          | Fabrice         | France         | 2012                         |
| Hardy           | Timothy         | USA            | 2012                         |
| Harper          | David           | USA            | 2007, 2006, 2005             |
| Harsh           | Rob             | USA            | 2005                         |
| Harvey-Jamieson | Susannah        | Australia      | 2010                         |
| Hasse           | Paul            | USA            | 2006                         |
| Haugh           | Bob             | USA            | 2008, 2006                   |
| Hausmann        | Herbert         | Germany        | 2004                         |
| Haviland        | Michael         | USA            | 2002                         |

| Last Name          | First Name  | Nationality    | Finishes                                       |
|--------------------|-------------|----------------|------------------------------------------------|
| Hawke              | Ferg        | Canada         | 2006, 2005, 2004                               |
| Heid               | Claire      | USA            | 2012                                           |
| Helmlinger         | Gabriel     | France         | 2012                                           |
| Henderson          | Mark        | USA            | 2001                                           |
| Hendley            | Christopher | USA            | 2001                                           |
| Henebry            | Mike        | USA            | 2002                                           |
| Henson             | Lisa        | USA            | 2003                                           |
| Hernandez San Juan | Nahila      | Mexico         | 2013                                           |
| Herrmann           | Jan         | Australia      | 2008, 2007                                     |
| Heukemes           | Achim       | Germany        | 2007                                           |
| Hewitt             | Tim         | USA            | 2010, 2000                                     |
| Hicks Jr.          | Claude      | USA            | 2012                                           |
| Hilliard           | Gary        | USA            | 2007                                           |
| Hilton-Barber      | Geoffrey    | South Africa   | 2005                                           |
| Hineline           | Carl        | USA            | 2016                                           |
| Hodde              | Jason       | USA            | 2006                                           |
| Hofmann            | J&uuml;rgen | Germany        | 2008, 2006, 2005, 2004, 2002                   |
| Holdaway           | Dale        | USA            | 2012                                           |
| Hollon             | Nickademus  | USA            | 2010, 2009                                     |
| Holmes             | Joshua      | USA            | 2016, 2015, 2014                               |
| Horn               | Debra       | USA            | 2002                                           |
| Horner             | David       | USA            | 2010, 2008, 2006                               |
| Horsley            | David       | United Kingdom | 2004                                           |
| Hudgens            | Stephen     | USA            | 2008, 2007                                     |
| Hughes             | Iain        | United Kingdom | 2013                                           |
| Humphrey           | Jack        | USA            | 2009, 2008, 2007, 2005                         |
| Humphries          | Andy        | United Kingdom | 2001                                           |
| Huneycutt          | Jamie       | USA            | 2007                                           |
| Hunt               | Carl        | USA            | 2005                                           |
| Hutchison          | Lorie       | USA            | 2009, 2008                                     |
| Inagaki            | Sumie       | Japan          | 2012, 2011                                     |
| Ingalls            | Frank (Jim) | USA            | 2007, 2005                                     |
| Iwamoto            | Nobumi      | Japan          | 2016, 2013, 2011, 2010                         |
| Jacaway            | Scott       | USA            | 2009, 2007                                     |
| Jackson            | David       | USA            | 2005, 2002                                     |
| Jensen             | Daniel      | USA            | 2011, 2010, 2008, 2005                         |
| Jergens            | Flip        | South Africa   | 2005                                           |
| Jimenez            | Michael     | USA            | 2015                                           |
| Jo                 | Yoshiko     | Japan          | 2016, 2015                                     |
| Johnson            | Kirk        | USA            | 1999                                           |
| Johnson            | Mark        | USA            | 2002                                           |
| Johnson            | Robert      | USA            | 2001                                           |
| Johnston           | Christy     | USA            | 2016                                           |
| Jones              | Ben         | USA            | 1993, 1992, 1991                               |
| Jones              | Chuck       | USA            | 1989, 1988                                     |
| Jones              | David       | USA            | 2016, 2013, 2012, 2009, 2008, 2007, 1997, 1995 |

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| Last Name    | First Name    | Nationality    | Finishes                                                   |
|--------------|---------------|----------------|------------------------------------------------------------|
| Jones        | Denise        | USA            | 1999, 1996, 1994                                           |
| Jones        | Errol         | USA            | 2001, 2000, 1996                                           |
| Judd         | Joe           | USA            | 2010                                                       |
| Jurek        | Scott         | USA            | 2006, 2005                                                 |
| Justin       | Mick          | USA            | 2000, 1999, 1997, 1996, 1994                               |
| Jylanbaev    | Marat         | Kazakhstan     | 1994                                                       |
| Kahla        | Said          | Germany        | 2005, 2004                                                 |
| Kahler       | Mark          | USA            | 2005                                                       |
| Kamei        | Tomotaka      | Japan          | 2011                                                       |
| Kamrani      | Behnam        | Iran           | 2013                                                       |
| Kanuga       | Kerri         | Cayman Islands | 2016                                                       |
| Kapiloff     | Betsy         | USA            | 2001                                                       |
| Kapoor       | Neil          | United Kingdom | 2006                                                       |
| Karch        | Mike          | USA            | 2004, 2003                                                 |
| Karl         | Hubert        | Germany        | 2008                                                       |
| Karnazes     | Dean          | USA            | 2013, 2012, 2009, 2008, 2007, 2006, 2004, 2003, 2000, 1996 |
| Kashurba     | Mary          | USA            | 2006, 2003                                                 |
| Kelly        | Edward        | USA            | 2011                                                       |
| Kelly        | Joey          | Ireland        | 2011, 2000                                                 |
| Keltner      | Karl W.       | USA            | 2004, 2001                                                 |
| Kent         | Karla         | Czech Republic | 2016, 2015, 2014, 2013, 2012                               |
| Kern         | James         | USA            | 2013                                                       |
| Kerr         | Steve         | United Kingdom | 1997, 1994, 1992                                           |
| Kilpatrick   | Samuel        | United Kingdom | 2012                                                       |
| Kim          | David         | USA            | 2001                                                       |
| King         | Steve         | Canada         | 2001                                                       |
| Kjenstad     | Tim           | USA            | 2007, 2006                                                 |
| Kladensky    | Josef         | Austria        | 2006                                                       |
| Klassen      | Randy         | USA            | 2002                                                       |
| Klein        | Roger         | Luxembourg     | 2003                                                       |
| Klimowicz    | Brittany      | USA            | 2011                                                       |
| Kobus        | Karlheinz     | Germany        | 2005                                                       |
| Konya        | Akos          | Hungary        | 2008, 2007, 2006                                           |
| Kooiman      | Andrea        | USA            | 2015, 2014                                                 |
| Koop         | Jason         | USA            | 2011                                                       |
| Koors        | Dennis        | Denmark        | 2009                                                       |
| Koppenheffer | Bill          | USA            | 2000                                                       |
| Kostelnick   | Pete          | USA            | 2016, 2015, 2014                                           |
| Kozinc       | Gabor         | Hungary        | 2007                                                       |
| Krogmann     | Brian         | USA            | 2010                                                       |
| Kruger       | Tom           | USA            | 1994                                                       |
| Kruglikov    | Anatoli       | Russia         | 2000                                                       |
| Krupski      | Dave          | USA            | 2015, 2013                                                 |
| Kuhn         | Brian         | USA            | 2007                                                       |
| Kunze        | Guido         | Germany        | 2005                                                       |
| Labudzki     | Dariusz Jacek | Poland         | 2014                                                       |
| Labutin      | Ivan          | Russia         | 2000                                                       |
| Lacerda      | Mario         | Brazil         | 2006                                                       |

| Last Name          | First Name       | Nationality    | Finishes                                 |
|--------------------|------------------|----------------|------------------------------------------|
| LaDieu             | Bill             | USA            | 2006, 2003                               |
| Lalonde            | Alexander        | Canada         | 2013                                     |
| Lam                | Otto             | USA            | 2015                                     |
| Lambert            | Robert "Primus"  | United Kingdom | 1997, 1994, 1993                         |
| Langstaff          | Anne             | USA            | 2007, 2001                               |
| Lapanja            | Bob              | USA            | 2001, 1999, 1998                         |
| Law                | Chor Kin         | China          | 2013                                     |
| Lawson             | Dan              | United Kingdom | 2016                                     |
| Lazenby            | David            | United Kingdom | 2002                                     |
| Lebrun             | Robert           | Canada         | 2009                                     |
| LeMieux            | William          | USA            | 2016                                     |
| Lemus              | Maria            | El Salvador    | 2011, 2009, 2006                         |
| Leono              | Tess             | Philippines    | 2016                                     |
| Levet              | Janice I.        | USA            | 2003                                     |
| Lewis III          | Harvey           | USA            | 2016, 2015, 2014, 2013, 2012, 2011       |
| Lim                | Kelly            | Singapore      | 2014                                     |
| Lim                | Nghee Huat       | Singapore      | 2013                                     |
| Lindermuller       | Kurt             | Germany        | 2012                                     |
| Lindsey            | Ashley           | USA            | 2016                                     |
| Lint               | Adam             | USA            | 2007                                     |
| Linzbichler        | Helmut           | Austria        | 1998                                     |
| Liskey             | Charlie          | USA            | 2004, 1996                               |
| Lockton            | Bill             | USA            | 2003                                     |
| Lockwood           | Glenn            | Australia      | 2011                                     |
| Lombardi           | Bradford         | USA            | 2016, 2015, 2014                         |
| Long               | Douglas          | USA            | 2013                                     |
| Long               | Kimani           | USA            | 2015, 2014                               |
| Longcrier          | Nathan           | USA            | 2014                                     |
| Lopez              | Oswaldo          | Mexico         | 2016, 2015, 2013, 2012, 2011, 2010, 2009 |
| Losch              | Rainer           | Germany        | 2005                                     |
| Lowell             | Sarah            | USA            | 2008                                     |
| Ludwig             | Scott            | USA            | 2003                                     |
| Lundell            | Don              | USA            | 2003, 2002                               |
| Lusskandl          | Gerhard          | Austria        | 2009, 2007                               |
| Lynch              | Mike             | USA            | 2005                                     |
| Machado            | Solane           | Brazil         | 2014                                     |
| Macmillan          | Frank W.         | USA            | 2000                                     |
| Macy               | Mark             | USA            | 1993                                     |
| Madl               | Terence          | USA            | 2009                                     |
| Madsen             | Dixie A.         | USA            | 2000                                     |
| Magill             | Jim              | United Kingdom | 2006, 1997                               |
| Mak                | Chris            | China          | 2012                                     |
| Malinowski         | Zbigniew         | Poland         | 2014                                     |
| Maliszewski        | Steve            | USA            | 2015, 2014                               |
| Manley             | Brian            | USA            | 1999                                     |
| Mann               | Larry            | USA            | 2001                                     |
| Manzanares Ramirez | Francisco Simon  | Mexico         | 2014                                     |
| Maples             | Major William C. | USA            | 2002, 2000, 1997                         |

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| Last Name    | First Name      | Nationality    | Finishes                                                               |
|--------------|-----------------|----------------|------------------------------------------------------------------------|
| Marcelino    | Cristiano       | Brazil         | 2014                                                                   |
| Marchand     | Joseph          | Canada         | 1990                                                                   |
| Marchant     | Kari            | USA            | 2002                                                                   |
| Marek        | Desiree         | USA            | 2016                                                                   |
| Marinsik     | Dan             | USA            | 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003 |
| Marshall     | Kelvin          | Australia      | 2010, 2009, 2008                                                       |
| Martens      | Albert          | Canada         | 2004                                                                   |
| Martin       | Pascale         | France         | 2001                                                                   |
| Martin       | Ron             | United Kingdom | 1990                                                                   |
| Martinez     | Camilo          | Colombia       | 2015                                                                   |
| Mason        | Brendan         | Australia      | 2010                                                                   |
| Massie       | Tammy           | USA            | 2013                                                                   |
| Matera-Welch | Nicole          | USA            | 2014                                                                   |
| Matsuda      | Stephan         | USA            | 2002                                                                   |
| Matt         | Palocsay        | USA            | 2001                                                                   |
| Matte        | Camila Maria    | Brazil         | 2015                                                                   |
| Matukaitis   | Kira            | USA            | 2007                                                                   |
| Matyazic     | Mark            | USA            | 2016, 2015, 2014, 2013, 2012, 2011                                     |
| Maughan      | Grant           | Australia      | 2016, 2015, 2014, 2013                                                 |
| Mauro        | Anthony         | USA            | 2011                                                                   |
| Mazaud       | Jean-Paul       | France         | 2000                                                                   |
| Mazzi        | Marco           | Italy          | 2012                                                                   |
| McBroom      | Jack            | USA            | 2000                                                                   |
| McCarthy     | Philip          | USA            | 2012, 2010, 2009                                                       |
| McConnell    | Kym             | New Zealand    | 2004                                                                   |
| McFadden     | Linda           | USA            | 2007, 2006, 2005, 2002                                                 |
| McKinney     | Frank           | USA            | 2016, 2011, 2010, 2009, 2007, 2006, 2005                               |
| McQueeney    | Scott           | USA            | 2000                                                                   |
| Meech        | Eric            | USA            | 2013, 2011                                                             |
| Menard       | Bill            | USA            | 2005, 1997, 1995, 1994                                                 |
| Menard       | Jack            | USA            | 2006, 2002                                                             |
| Mendes       | Manoel de Jesus | Brazil         | 2007                                                                   |
| Mendoza      | Adalberto       | Mexico         | 2007, 2004                                                             |
| Merienne     | Jean-Jacques    | France         | 2002, 1999                                                             |
| Meyer        | Don             | USA            | 2001                                                                   |
| Meyer        | Peter           | Germany        | 2007                                                                   |
| Micka        | Klaus           | Germany        | 2005                                                                   |
| Milanovich   | Milan           | Switzerland    | 1996                                                                   |
| Millar       | Anton           | South Africa   | 2007                                                                   |
| Miller       | Bill            | USA            | 1990                                                                   |
| Miller       | Michael         | USA            | 2012                                                                   |
| Miller       | Rick            | USA            | 2001                                                                   |
| Miller       | Toni C.         | USA            | 2002                                                                   |
| Minter       | Greg            | USA            | 2005, 2002, 2001                                                       |

| Last Name      | First Name       | Nationality    | Finishes                           |
|----------------|------------------|----------------|------------------------------------|
| Mitchell       | Doug             | USA            | 1988                               |
| Mitchell       | Mike             | USA            | 1996                               |
| Moayedi        | Parvaneh         | Iran           | 2014, 2013                         |
| Moeller        | Kent             | Denmark        | 2007                               |
| Molteni        | Stefano          | Italy          | 2011                               |
| Monot          | Annie            | France         | 2007                               |
| Monot          | Jean Michel      | France         | 2005                               |
| Moon           | Chris            | United Kingdom | 2013, 2012, 2001, 2000, 1999       |
| Moreau         | Philippe         | France         | 2008                               |
| Morelli Neto   | Joao Jos&eacute; | Brazil         | 2016                               |
| Morris         | Mark             | USA            | 2004, 2003                         |
| Morton         | Mike             | USA            | 2012                               |
| Mravlje        | Dusan            | Slovenia       | 2006, 2000                         |
| Mueller        | Peter            | Switzerland    | 2004, 2002                         |
| Muhlen         | Monique          | Luxembourg     | 2006                               |
| Mullen         | Jess             | USA            | 2011                               |
| Mullins        | Padraig          | Ireland        | 2015                               |
| Murphy         | Alan             | USA            | 2014                               |
| Murphy         | Meredith         | USA            | 2012, 2011                         |
| Murray         | Jack             | USA            | 2005                               |
| Murri          | Morgan           | USA            | 2009                               |
| Muston         | Pam              | Australia      | 2011                               |
| Myers          | George           | USA            | 2016                               |
| Natraj         | Nattu            | India          | 2009, 2007, 2006                   |
| Nawrocki       | Rick             | USA            | 2002, 2001, 2000                   |
| Neckar         | Tim              | USA            | 2007, 1995                         |
| Nelson         | James            | USA            | 2004                               |
| Nemet          | Alex             | USA            | 2008                               |
| Neumann        | Klaus            | Germany        | 2007                               |
| Newton         | Scott            | USA            | 2015                               |
| Ng             | Hung-Kwong       | USA            | 2010, 2009                         |
| Ng             | Seow Kong        | Malaysia       | 2013                               |
| Ngamkam        | Angela           | Germany        | 2006                               |
| Nimmo          | Phil             | USA            | 2016, 2015, 2014                   |
| Nishimura      | Hiroyuki         | Japan          | 2016, 2015, 2013, 2012             |
| Nitzky         | Alene            | USA            | 2011, 2008                         |
| Nucifora       | Carmelo          | Italy          | 2011                               |
| Nugent         | Doina            | Germany        | 2000                               |
| Nunes          | Valmir           | Brazil         | 2007                               |
| O&apos;Donnell | Aoife            | Ireland        | 2014                               |
| O&apos;Grady   | Kevin            | USA            | 1990                               |
| Ochsner        | Nathan           | USA            | 2005, 2001                         |
| Olmo           | Marco            | Italy          | 2001                               |
| Olson          | Mark K.          | USA            | 2016, 2014, 2013, 2012, 2011, 2009 |
| Oralek         | Daniel           | Czech Republic | 2010                               |
| Ostor          | Pierre           | France         | 2009, 2007, 2004                   |
| Otero          | Monica           | Brazil         | 2010, 2007                         |
| Overholtzer    | Judy             | USA            | 1996, 1995, 1994                   |
| Owen           | Barb             | Canada         | 2011                               |

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| Last Name         | First Name | Nationality    | Finishes                                                                           |
|-------------------|------------|----------------|------------------------------------------------------------------------------------|
| Pacheco           | Jorge      | Mexico         | 2010, 2009, 2008, 2007                                                             |
| Palazzo           | Nick       | USA            | 1999                                                                               |
| Pallardy          | Yves       | France         | 2000                                                                               |
| Pallos            | Judit      | Hungary        | 2006, 2005                                                                         |
| Palm              | Hajo       | Germany        | 2013                                                                               |
| Palmiero-Winters  | Amy        | USA            | 2012, 2011                                                                         |
| Papathanasopoulos | Argyrios   | Greece         | 2016                                                                               |
| Park              | Sukhee     | South Korea    | 2013                                                                               |
| Parker            | Ian        | United Kingdom | 2010, 2008, 2007, 2006, 2005, 2004, 2003, 2002                                     |
| Parker            | Ross       | Australia      | 1993                                                                               |
| Pawzik            | Heike      | Germany        | 2006                                                                               |
| Pearlman          | Oz         | USA            | 2013                                                                               |
| Peischl           | Otto       | Austria        | 2006                                                                               |
| Pelissier         | Stephane   | France         | 2006, 2005                                                                         |
| Pence             | Eric       | USA            | 2006, 2004                                                                         |
| Perez             | Angel      | USA            | 2004                                                                               |
| Perier            | Marc       | France         | 2000                                                                               |
| Perry             | Heidi      | USA            | 2013, 2012                                                                         |
| Petersen          | Keith      | USA            | 2001                                                                               |
| Peterson          | Keith Alan | USA            | 2002                                                                               |
| Pfeil             | Terri      | USA            | 2011                                                                               |
| Philip            | Ted        | USA            | 2012                                                                               |
| Pippin            | Keith      | USA            | 1995, 1994, 1993, 1992                                                             |
| Plichta           | Katherine  | USA            | 2014                                                                               |
| Ploskonka         | David      | USA            | 2013, 2012, 2011, 2010                                                             |
| Podell            | Thomas     | USA            | 2015                                                                               |
| Pollard           | Fred       | USA            | 2007                                                                               |
| Portera           | Anthony    | USA            | 2015, 2014, 2013, 2012, 2011, 2010, 2009                                           |
| Posner            | Kenneth    | USA            | 2012, 2010                                                                         |
| Possert           | Tom        | USA            | 1990, 1989                                                                         |
| Poupard           | Thierry    | France         | 2000                                                                               |
| Prather           | Antoinette | USA            | 2015                                                                               |
| Pratscher         | Johann     | Austria        | 2006, 2000                                                                         |
| Pressler          | Greg       | USA            | 2015, 2011, 2007                                                                   |
| Prestes           | Joao Sacks | Brazil         | 2008                                                                               |
| Prost-Dumont      | Alain      | France         | 2009                                                                               |
| Prusaitis         | Joe        | USA            | 2003                                                                               |
| Puntelli          | Amerigo    | Italy          | 2000                                                                               |
| Purdeu            | Brandon    | USA            | 2014                                                                               |
| Quirk             | Linda      | USA            | 2013                                                                               |
| Radich            | John       | USA            | 2015, 2014, 2013, 2012, 2011, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 1997 |
| Radovcic          | Sergio     | Serbia         | 2014, 2013, 2012                                                                   |

| Last Name  | First Name     | Nationality    | Finishes                                                         |
|------------|----------------|----------------|------------------------------------------------------------------|
| Rambach    | Whit           | USA            | 1995                                                             |
| Rambo      | Ernie          | USA            | 2002                                                             |
| Rampacek   | Christopher    | USA            | 2003, 2002, 2001                                                 |
| Ramsey     | Alex           | USA            | 2016                                                             |
| Rasmussen  | Kim            | Denmark        | 2007                                                             |
| Ratliff    | Doug           | USA            | 2012, 2010                                                       |
| Re         | Gerardo Hector | Argentina      | 2012                                                             |
| Recore     | Brian          | USA            | 2012, 2011, 2010                                                 |
| Redpath    | Glen           | Canada         | 2013                                                             |
| Reed       | Pam            | USA            | 2015, 2014, 2013, 2012, 2010, 2009, 2008, 2005, 2004, 2003, 2002 |
| Reese      | Cory           | USA            | 2016                                                             |
| Reicher    | Jody-Lynn      | USA            | 2005, 2004, 2002                                                 |
| Reily      | Matthew        | USA            | 2016                                                             |
| Reinbolt   | Russ           | USA            | 2015, 2014                                                       |
| Remington  | Dave           | USA            | 2007, 2002                                                       |
| Rennison   | John           | Canada         | 2007                                                             |
| Reutovich  | Irina          | Russia         | 2000                                                             |
| Ricca      | Wagner         | Brazil         | 2010                                                             |
| Rice       | Chris          | USA            | 2014                                                             |
| Richard    | Reg            | USA            | 2001                                                             |
| Rios       | Parker         | USA            | 2013                                                             |
| Rita       | Jason          | Australia      | 2012                                                             |
| Rivera     | Will           | USA            | 2016                                                             |
| Rizk       | Levi           | USA            | 2012                                                             |
| Roberts    | Hannah         | USA            | 2012                                                             |
| Robinson   | Gillian        | United Kingdom | 2003                                                             |
| Roca       | Byron          | Guatemala      | 2015                                                             |
| Roman      | Chris          | USA            | 2012, 2011                                                       |
| Romero     | Jason          | USA            | 2015                                                             |
| Romesberg  | Ephraim        | USA            | 1999, 1998                                                       |
| Rosen      | Tia B.         | USA            | 2002                                                             |
| Rosenstein | Phil G         | USA            | 2008                                                             |
| Rosmus     | John           | USA            | 1999, 1994                                                       |
| Ross       | David          | United Kingdom | 2015                                                             |
| Rowe       | Tom            | USA            | 2001                                                             |
| Rubino     | Vito           | Italy          | 2014                                                             |
| Runions    | Neil           | Canada         | 2007, 2006                                                       |
| Russias    | Pierre         | France         | 1999                                                             |
| Ryan       | Emily          | USA            | 2016, 2015                                                       |
| Ryan       | Lucy           | Canada         | 2012                                                             |
| Ryerse     | Jan            | USA            | 2002                                                             |
| Rzeszotko  | Leszek         | Poland         | 2012                                                             |
| Sa         | Carlos         | Portugal       | 2014, 2013                                                       |
| Saffery    | Clive          | United Kingdom | 2009, 2000, 1999                                                 |
| Sagastume  | Juan Carlos    | Guatemala      | 2014                                                             |
| Saito      | Kazuyoshi      | Japan          | 2015                                                             |
| Sakurai    | Kaname         | Japan          | 2000                                                             |
| Sanchez    | Federico       | Mexico         | 2015, 2014                                                       |
| Sanchez    | Juan           | Mexico         | 2012, 2011                                                       |

## BADWATER 135 OFFICIAL FINISHERS: 1987-2016

| Last Name           | First Name | Nationality    | Finishes                                             |
|---------------------|------------|----------------|------------------------------------------------------|
| Sanchez             | Ray        | USA            | 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008 |
| Sanderson           | Marc       | USA            | 2006                                                 |
| Sandlin             | Michael    | USA            | 1992                                                 |
| Santilhano          | Michele    | United Kingdom | 2008                                                 |
| Savage              | Jonathan   | USA            | 2014                                                 |
| Scharffenberg       | Del        | USA            | 1997                                                 |
| Scherz              | Alexander  | Switzerland    | 2014                                                 |
| Schlereth           | Joe        | USA            | 1994                                                 |
| Schlett             | Stefan     | Germany        | 1991                                                 |
| Schlundt            | Margaret   | USA            | 2002, 2000                                           |
| Schmidt             | Jeff       | USA            | 2008                                                 |
| Schnyder            | Sepp       | Switzerland    | 2001                                                 |
| Schoeneck           | Bernard    | Germany        | 1998                                                 |
| Scholz              | Monica     | Canada         | 2009, 2008, 2006, 2005, 2004, 2003, 2002             |
| Schubert            | Reiner     | Germany        | 2008                                                 |
| Scot                | Geoffrey   | United Kingdom | 2001                                                 |
| Scott               | Charlie    | USA            | 2015                                                 |
| Scott               | Jim        | USA            | 2004                                                 |
| Scott               | Lloyd      | United Kingdom | 1998                                                 |
| Seger               | Nikki      | USA            | 2007, 2005                                           |
| Segger              | Jen Lee    | Canada         | 2008                                                 |
| Segura Romero       | Pablo      | Spain          | 2016                                                 |
| Sekiya              | Ryoichi    | Japan          | 2011                                                 |
| Sell                | Christine  | Germany        | 2005                                                 |
| Sentinella          | Terry      | USA            | 2012, 2011                                           |
| Sessions            | Matthew    | Canada         | 2005                                                 |
| Sesterheim          | Bernhard   | Germany        | 2005                                                 |
| Shand               | Stacey     | Canada         | 2015, 2013                                           |
| Shane               | Cory       | USA            | 1995                                                 |
| Sharma              | Brijmohan  | India          | 2016                                                 |
| Shehedy             | John       | USA            | 1993, 1992                                           |
| Sheridan            | Molly      | USA            | 2009                                                 |
| Shura               | Nancy      | USA            | 2003                                                 |
| Sichel              | William    | United Kingdom | 2006                                                 |
| Sieminowski         | Tammy      | Canada         | 2011                                                 |
| Sieveking           | Cristian   | Chile          | 2016                                                 |
| Silver              | Steven R.  | USA            | 2002, 2001, 2000, 1999, 1997, 1996                   |
| Silverman-Vulgarian | Rick       | USA            | 2001                                                 |
| Simmons             | Stephen    | USA            | 1999                                                 |
| Simonsen            | Jacqueline | USA            | 2005                                                 |
| Simpson             | Wayne      | United Kingdom | 2005, 2004                                           |
| Sitler              | Bob        | USA            | 2002                                                 |
| Sizemore            | Frank      | USA            | 2016                                                 |
| Skagerberg          | Marvin     | USA            | 1990                                                 |

| Last Name        | First Name       | Nationality    | Finishes                                             |
|------------------|------------------|----------------|------------------------------------------------------|
| Smit             | Robin            | USA            | 2007, 1999, 1992, 1991                               |
| Smith            | Carolyn          | USA            | 2004                                                 |
| Smith            | James L.         | USA            | 2008, 2007, 2004                                     |
| Smith            | Mike             | USA            | 2002                                                 |
| Smith            | Mosi             | USA            | 2015, 2012                                           |
| Smith-Batchen    | Lisa             | USA            | 2008, 2007, 2006, 2003, 2002, 2000, 1998, 1997, 1995 |
| Smithberger      | Jay              | USA            | 2015, 2013                                           |
| Snowbarger       | Marvin           | USA            | 2006, 2004                                           |
| Snyder           | Scott            | USA            | 2008, 2006                                           |
| Sobieraski       | Brett            | USA            | 2016                                                 |
| Spajic           | Jovica           | Serbia         | 2015                                                 |
| Spears           | Randy            | USA            | 1992                                                 |
| Spector          | Josh             | USA            | 2014                                                 |
| Spencer          | Eric             | USA            | 2014                                                 |
| Springman        | Alisa            | USA            | 2010, 2009, 2008                                     |
| Stark            | Lynne            | United Kingdom | 2004                                                 |
| Steele           | Eric             | USA            | 2000                                                 |
| Steiner          | Manfred          | Austria        | 2011                                                 |
| Stephens         | Larry            | USA            | 2016, 2014                                           |
| Stephens         | Mike             | USA            | 2004                                                 |
| Stone            | Paul             | USA            | 2002, 2001, 2000                                     |
| Straw            | Keith            | United Kingdom | 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009       |
| Struck           | Jared            | USA            | 2016                                                 |
| Strychalski      | Dariusz          | Poland         | 2014                                                 |
| Styllas          | Michael          | Greece         | 2000                                                 |
| Stypula          | Elaine           | USA            | 2013, 2012                                           |
| Sublett          | Brett            | USA            | 2007                                                 |
| Suckling         | Sandy            | Australia      | 2016                                                 |
| Supler           | Blaise           | USA            | 2002                                                 |
| Sutton           | Dale             | USA            | 1999, 1997                                           |
| Sutton           | Glenn            | New Zealand    | 2015, 2014                                           |
| Sweeney          | Mike             | USA            | 2005                                                 |
| Tabios           | Gerald           | Philippines    | 2016, 2015, 2014                                     |
| Talley           | Joshua           | USA            | 2015                                                 |
| Tamati-Lusskandl | Lisa Yvonne      | New Zealand    | 2009, 2008                                           |
| Taquet           | Herve            | France         | 2008                                                 |
| Teal             | Steve            | USA            | 2010, 2008, 2007, 2006, 2005                         |
| Teeples          | John             | USA            | 2011                                                 |
| Teres Costa      | Francisco (Xesc) | Spain          | 2009                                                 |
| Thomas           | Michael          | USA            | 2011                                                 |
| Thomas           | Tracy            | USA            | 2007                                                 |
| Thompson         | Bill             | USA            | 2016, 2014, 2013                                     |
| Thurston         | Jarom            | USA            | 2009, 2008                                           |
| Thwaites         | Mick             | Australia      | 2016, 2015                                           |
| Tibbets          | Cathy            | USA            | 1999                                                 |

## BADWATER 135 OFFICIAL FINISHERS: 1987-2016

| Last Name        | First Name | Nationality    | Finishes                                                                                                               |
|------------------|------------|----------------|------------------------------------------------------------------------------------------------------------------------|
| Tieger           | Julie      | USA            | 1998                                                                                                                   |
| Tilden           | Michael    | USA            | 2005                                                                                                                   |
| Todd             | Catherine  | Australia      | 2013, 2012                                                                                                             |
| Toepke           | Matthew    | USA            | 1997                                                                                                                   |
| Toler            | Beacham    | USA            | 1997, 1995                                                                                                             |
| Toumazou         | Vincent    | France         | 2010                                                                                                                   |
| Treptow          | Thorsten   | Germany        | 2005, 2004                                                                                                             |
| Trevino          | Mike       | USA            | 2001                                                                                                                   |
| Treyens          | Cliff      | USA            | 1998                                                                                                                   |
| Tripp            | Ian        | United Kingdom | 2001                                                                                                                   |
| Triumph          | Tom        | USA            | 2007                                                                                                                   |
| Tuller           | Rob        | USA            | 1991                                                                                                                   |
| Ulm              | Rob        | USA            | 2014                                                                                                                   |
| Ulrich           | Marshall   | USA            | 2015, 2013, 2012, 2011, 2010, 2008, 2007, 2005, 2004, 2003, 2002, 2001, 1999, 1998, 1996, 1995, 1993, 1992, 1991, 1990 |
| Ulrich           | Willette   | USA            | 1995                                                                                                                   |
| Vajda            | Zoltán     | Hungary        | 2016                                                                                                                   |
| Valentin         | Simone     | Brazil         | 2014                                                                                                                   |
| Vallée           | Albert     | France         | 2007, 2005                                                                                                             |
| Vance            | Fred       | USA            | 1998, 1997                                                                                                             |
| Veics            | Arthurs    | Latvia         | 2011                                                                                                                   |
| Velazco          | Andy       | USA            | 2003                                                                                                                   |
| Venti            | Alyson     | USA            | 2016, 2014                                                                                                             |
| Verdenet         | Gerard     | France         | 2001, 2000                                                                                                             |
| Verdier          | Philippe   | France         | 2014                                                                                                                   |
| Vieler           | Jens       | Germany        | 2011                                                                                                                   |
| Vila Casanovas   | Joan       | Spain          | 2014                                                                                                                   |
| Villar do Amaral | Marcio     | Brazil         | 2010                                                                                                                   |
| Villines         | Sandra     | USA            | 2016                                                                                                                   |
| Vis              | Prisca     | Netherlands    | 2015                                                                                                                   |
| Vogel            | Jennifer   | USA            | 2011                                                                                                                   |
| Vogel            | Lane       | USA            | 2013, 2010                                                                                                             |
| Volkenand        | Rob        | USA            | 1997, 1994                                                                                                             |
| Vondruska        | Jerry C.   | USA            | 2007                                                                                                                   |
| Walker           | David      | New Zealand    | 2010                                                                                                                   |
| Walker           | Jim        | USA            | 1989                                                                                                                   |
| Wallington       | Lee        | United Kingdom | 2014                                                                                                                   |
| Walther          | Tammy      | USA            | 2011                                                                                                                   |
| Wardian          | Michael    | USA            | 2011                                                                                                                   |
| Warren           | Barbara    | Austria        | 1999, 1991, 1990, 1989                                                                                                 |
| Warren           | Nancy      | USA            | 2006, 2005                                                                                                             |
| Webb             | Arthur     | USA            | 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2001, 2000, 1999, 1998                                     |

| Last Name   | First Name | Nationality    | Finishes                                                                     |
|-------------|------------|----------------|------------------------------------------------------------------------------|
| Weber       | Scott      | USA            | 2009, 2008, 2006, 2005, 2003, 2001, 2000, 1999, 1998, 1997, 1996, 1995, 1994 |
| Weber       | Uli        | Germany        | 2004, 2002, 2001, 2000                                                       |
| Weidemann   | Friedhelm  | Germany        | 2006                                                                         |
| Weir        | Sam        | Australia      | 2016                                                                         |
| Weiss       | Erhard     | Germany        | 2010, 2009, 2008, 2007, 2006                                                 |
| Weiss       | Heidi      | Germany        | 2006                                                                         |
| Weiss       | Jodi       | USA            | 2016, 2015                                                                   |
| Weiss       | Xy         | USA            | 2006                                                                         |
| Welch       | Tim        | United Kingdom | 2010                                                                         |
| Werner      | Lynne      | USA            | 2000                                                                         |
| West        | Dick       | USA            | 1990                                                                         |
| West        | Michelle   | USA            | 2015                                                                         |
| Westergaard | Danny      | USA            | 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007                   |
| Whalen      | Mike       | USA            | 2009, 2008                                                                   |
| Wheeler     | Craig      | USA            | 2015, 2014                                                                   |
| Wiaderek    | Markus     | Germany        | 2010                                                                         |
| Wilkie      | Jose       | USA            | 1997, 1996                                                                   |
| Wimmer      | Robert     | Germany        | 2004                                                                         |
| Wog         | John       | USA            | 2015                                                                         |
| Woods       | Andy       | USA            | 2014                                                                         |
| Woody       | Gavin      | USA            | 2014                                                                         |
| Woolley     | Mark       | United Kingdom | 2013, 2010                                                                   |
| Worts       | Darren     | USA            | 2002                                                                         |
| Wynd        | Nikki      | Australia      | 2016, 2015, 2014                                                             |
| Yasso       | Bart       | USA            | 1989                                                                         |
| Yeager      | Henry      | USA            | 1990                                                                         |
| Youngren    | Kathy      | USA            | 2016, 2009                                                                   |
| Youngren    | Robert     | USA            | 2014, 2011                                                                   |
| Yucra       | Iso        | Bolivia        | 2010                                                                         |
| Zaide       | Thomas     | USA            | 2014                                                                         |
| Zama        | Eris       | Italy          | 1997                                                                         |
| Zdon        | William    | USA            | 2012                                                                         |
| Zeigle      | Mike       | USA            | 1998                                                                         |
| Zemach      | Ken        | USA            | 2013                                                                         |
| Zwarkowski  | Cheryl     | USA            | 2016, 2014, 2013, 2012, 2011, 2009, 2008                                     |



2016 STYR Labs Badwater 135 champion Pete Kostelnick and his support crew broke the nine-year-old men's and overall course record with a time of 21:56:32. This was Pete's third consecutive finish and second consecutive overall victory. Later in 2016 he broke the trans-USA running record (from San Francisco to New York City), a record which had stood since 1980.



2016 STYR Labs Badwater 135 women's champion Alyson Venti (now Allen) and her support crew broke the six-year-old women's course record with a time of 25:53:07, also placing fifth overall. This was her third consecutive appearance, her second finish, and second victory (with one DNF in 2015.)



Cheryl Zwarkowski, 58 but ageless, of Victorville, CA was the final female finisher at the 2016 STYR Labs Badwater 135, with a time of 46:36:43. This was her eight appearance at the world's toughest foot race, and seventh finish.



Bradford Lombardi, 47, of Panamint Springs, CA was the final male finisher at the 2016 STYR Labs Badwater 135, with a time of 47:49:05. After a DNF at his first appearance in 2012, the "Salty Peacock"—the only entrant in this year's race who actually lives in Death Valley—has now finished the race three times in a row (2014-16).

# 2017 OFFICIAL RACE ROSTER

## 8:00PM START

| Bib | First Name | Last Name          | City               | State | Country        | Nationality    | M/F | Age | Vet? |
|-----|------------|--------------------|--------------------|-------|----------------|----------------|-----|-----|------|
| 100 | Mohammad   | Al Swaiti          | Amman              |       | Jordan         | Jordan         | M   | 46  | No   |
| 23  | Noora      | Alidina            | Clearwater         | FL    | USA            | Jordan         | F   | 60  | Yes  |
| 14  | Marcus     | Berggren           | Ljusdal            |       | Sweden         | Sweden         | M   | 42  | Yes  |
| 51  | Kimberlie  | Budzik             | Friendswood        | TX    | USA            | USA            | F   | 57  | Yes  |
| 10  | Pamela     | Chapman-Markle     | San Leon           | TX    | USA            | USA            | F   | 61  | Yes  |
| 57  | David      | Coats              | Houston            | TX    | USA            | USA            | M   | 56  | Yes  |
| 33  | Catra      | Corbett            | Fremont            | CA    | USA            | USA            | F   | 52  | No   |
| 40  | Siria      | Costa              | Quatro Barras      |       | Brazil         | Brazil         | F   | 40  | No   |
| 82  | Juan       | Craveri            | Buenos Aires       |       | Argentina      | Argentina      | M   | 48  | Yes  |
| 29  | Kayla      | Delk               | Greeneville        | TN    | USA            | USA            | F   | 30  | Yes  |
| 30  | Kevin      | Delk               | Greeneville        | TN    | USA            | USA            | M   | 34  | Yes  |
| 90  | James      | Ehasz              | Hereford           | AZ    | USA            | USA            | M   | 64  | Yes  |
| 15  | Shannon    | Farar-Griever      | Hidden Hills       | CA    | USA            | USA            | F   | 56  | Yes  |
| 64  | Patrick    | Hameau             | Paris              |       | France         | France         | M   | 45  | No   |
| 68  | Jack       | Humphrey           | Arvada             | CO    | USA            | USA            | M   | 60  | Yes  |
| 96  | Monique    | Jacques            | Sanger             | CA    | USA            | USA            | F   | 30  | No   |
| 11  | David      | Jones              | Murfreesboro       | TN    | USA            | USA            | M   | 65  | Yes  |
| 66  | Nick       | Kaminski           | Burleson           | TX    | USA            | USA            | M   | 44  | No   |
| 49  | Karla      | Kent               | Las Vegas          | NV    | USA            | Czech Republic | F   | 54  | Yes  |
| 17  | Ashley     | Lindsey            | Capitola           | CA    | USA            | USA            | F   | 35  | Yes  |
| 48  | Frank      | McKinney           | Delray Beach       | FL    | USA            | USA            | M   | 54  | Yes  |
| 63  | Mark K.    | Olson              | Covina             | CA    | USA            | USA            | M   | 70  | Yes  |
| 70  | Michelle   | Payne              | Southend on Sea    |       | United Kingdom | UK             | F   | 48  | No   |
| 85  | Augusto    | Pinto Oliveira     | Paredes            |       | Portugal       | Portugal       | M   | 44  | No   |
| 88  | Antonette  | Prather            | Garner             | NC    | USA            | USA            | F   | 48  | Yes  |
| 77  | John       | Radich             | Monrovia           | CA    | USA            | USA            | M   | 63  | Yes  |
| 27  | Emily      | Ryan               | Washington         | DC    | USA            | USA            | F   | 42  | Yes  |
| 62  | Lisa       | Sherak             | Lawrenceville      | GA    | USA            | USA            | F   | 55  | Yes  |
| 46  | Neil       | Smith              | Dallas             | TX    | USA            | USA            | M   | 46  | No   |
| 7   | Lisa       | Smith-Batchen      | Jackson            | WY    | USA            | USA            | F   | 56  | Yes  |
| 81  | Gerald     | Tabios             | Elmhurst           | NY    | USA            | Phiippines     | M   | 47  | Yes  |
| 5   | Eloiza     | Testolin Rodrigues | Caxias do Sul, RS, |       | Brazil         | Brazil         | F   | 38  | No   |
| 21  | Marshall   | Ulrich             | Evergreen          | CO    | USA            | USA            | M   | 66  | Yes  |
| 71  | Jodi       | Weiss              | Highland Beach     | FL    | USA            | USA            | F   | 47  | Yes  |
| 26  | Colleen    | Zato               | Henderson          | NV    | USA            | USA            | F   | 36  | No   |
| 50  | Cheryl     | Zwarkowski         | Victorville        | CA    | USA            | USA            | F   | 59  | Yes  |

## 9:30PM START

| Bib | First Name        | Last Name          | City                | State | Country        | Nationality    | M/F | Age | Vet? |
|-----|-------------------|--------------------|---------------------|-------|----------------|----------------|-----|-----|------|
| 53  | Hector            | Bengolea           | Ljusdal             |       | Argentina      | Argentina      | M   | 53  | No   |
| 18  | Ricarda           | Bethke             | Solothurn           |       | Switzerland    | Germany        | F   | 53  | Yes  |
| 45  | Ariovaldo         | Branco             | Praia Grande        |       | Brazil         | Brazil         | M   | 48  | Yes  |
| 54  | Adam              | Connor             | Artarmon            |       | Australia      | Australia      | M   | 50  | No   |
| 13  | Dale              | Cougot             | Garland             | TX    | USA            | USA            | M   | 51  | Yes  |
| 73  | Nathan            | DeWall             | Lexington           | KY    | USA            | USA            | M   | 37  | No   |
| 61  | Roberto Mario     | Gili Farina        | Cordoba             |       | Argentina      | Argentina      | M   | 44  | No   |
| 59  | Jeff              | Gleason            | Wexford             | PA    | USA            | USA            | M   | 59  | Yes  |
| 34  | Krasimir Nicolaev | Gueorguiev         | Jackson             | WY    | USA            | Bulgaria       | M   | 43  | No   |
| 80  | Carl              | Hineline           | Plano               | TX    | USA            | USA            | M   | 42  | Yes  |
| 8   | Kerri             | Kanuga             | Grand Cayman        |       | Cayman Islands | Cayman Islands | F   | 47  | Yes  |
| 20  | Nick              | LaBoffe            | Cincinnati          | OH    | USA            | USA            | M   | 36  | No   |
| 75  | Jason             | LeDoyen            | Cary                | NC    | USA            | USA            | M   | 46  | No   |
| 39  | Ken               | Lewis              | Los Angeles         | CA    | USA            | USA            | M   | 54  | No   |
| 19  | Joel              | Livesey            | Los Angeles         | CA    | USA            | USA            | M   | 39  | No   |
| 91  | Bradford          | Lombardi           | Death Valley        | CA    | USA            | USA            | M   | 48  | Yes  |
| 72  | Francisco Simon   | Manzanares Ramirez | Chihuahua           |       | Mexico         | Mexico         | M   | 47  | Yes  |
| 78  | Kevin             | Marasco            | Jacksonville Beach  | FL    | USA            | USA            | M   | 42  | No   |
| 93  | Marco             | Mazzi              | Valeggio sul Mincio |       | Italy          | Italy          | M   | 50  | No   |
| 74  | Matthew           | Reily              | Oklahoma City       | OK    | USA            | USA            | M   | 42  | Yes  |
| 98  | Russ              | Reinbolt           | La Jolla            | CA    | USA            | USA            | M   | 52  | Yes  |

## RACE ROSTER

### 9:30PM START (Cont.)

| Bib | First Name | Last Name   | City                 | State | Country     | Nationality    | M/F | Age | Vet? |
|-----|------------|-------------|----------------------|-------|-------------|----------------|-----|-----|------|
| 86  | Tim        | Robert      | Honolulu             | HI    | USA         | USA            | M   | 52  | No   |
| 87  | Kleber     | Santos      | Caxambu              |       | Brazil      | Brazil         | M   | 37  | No   |
| 89  | Franco     | Soriano     | Livermore            | CA    | USA         | Philippines    | M   | 46  | No   |
| 60  | Keith      | Straw       | Malvern              | PA    | USA         | United Kingdom | M   | 62  | Yes  |
| 31  | Uli        | Stuwe       | Ventura              | CA    | USA         | Germany        | M   | 43  | No   |
| 95  | Brian      | Tjersland   | Dartmouth            | MA    | USA         | USA            | M   | 50  | No   |
| 69  | Gilberto   | Toigo       | Porto Alegre         |       | Brazil      | Brazil         | M   | 55  | No   |
| 92  | Jens       | Vielor      | Solothurn            |       | Switzerland | Germany        | M   | 50  | Yes  |
| 52  | Sandra     | Villines    | San Jose             | CA    | USA         | USA            | F   | 44  | Yes  |
| 22  | Michelle   | West        | Santa Monica         | CA    | USA         | USA            | F   | 45  | Yes  |
| 84  | Danny      | Westergaard | Palos Verdes Estates | CA    | USA         | USA            | M   | 58  | Yes  |
| 3   | Marcia     | Zhou        | Hong Kong            |       | Hong Kong   | USA            | F   | 28  | No   |

### 11:00PM START

| Bib | First Name | Last Name    | City              | State | Country   | Nationality | M/F | Age | Vet? |
|-----|------------|--------------|-------------------|-------|-----------|-------------|-----|-----|------|
| 97  | Marco      | Bonfiglio    | Abbiategrosso     |       | Italy     | Italy       | M   | 39  | No   |
| 4   | Chavet     | Breslin      | Denver            | CO    | USA       | USA         | F   | 35  | No   |
| 25  | Amy        | Costa        | Jacksonville      | FL    | USA       | USA         | F   | 52  | Yes  |
| 55  | Luigi      | Dessy        | Ponce             | PR    | USA       | USA         | M   | 39  | Yes  |
| 16  | Ed         | Ettinghausen | Wildomar          | CA    | USA       | USA         | M   | 54  | Yes  |
| 67  | Kyle       | Fahrenkamp   | Cincinnati        | OH    | USA       | USA         | M   | 40  | Yes  |
| 12  | Jared      | Fetterolf    | Dallas            | TX    | USA       | USA         | M   | 28  | Yes  |
| 76  | Brenda     | Guajardo     | Austin            | TX    | USA       | USA         | F   | 40  | Yes  |
| 24  | Jonathan   | Gunderson    | San Francisco     | CA    | USA       | USA         | M   | 39  | Yes  |
| 36  | Joshua     | Holmes       | Los Angeles       | CA    | USA       | USA         | M   | 39  | Yes  |
| 65  | Wataru     | Iino         | Chennai           |       | India     | Japan       | M   | 37  | No   |
| 44  | Nobumi     | Iwamoto      | Okinawa           |       | Japan     | Japan       | M   | 51  | Yes  |
| 28  | Michael    | Jimenez      | Marina            | CA    | USA       | USA         | M   | 43  | Yes  |
| 42  | Tetsuo     | Kiso         | Moriya            |       | Japan     | Japan       | M   | 49  | No   |
| 47  | Andrea     | Kooiman      | Mission Viejo     | CA    | USA       | USA         | F   | 42  | Yes  |
| 1   | Pete       | Kostelnick   | Hannibal          | MO    | USA       | USA         | M   | 29  | Yes  |
| 35  | Harvey     | Lewis III    | Cincinnati        | OH    | USA       | USA         | M   | 41  | Yes  |
| 2   | Oswaldo    | Lopez        | Madera            | CA    | USA       | Mexico      | M   | 45  | Yes  |
| 6   | Szilvia    | Lubics       | Nagykanizsa       |       | Hungary   | Hungary     | F   | 43  | No   |
| 94  | Camilo     | Martinez     | New York          | NY    | USA       | Colombia    | M   | 36  | Yes  |
| 56  | Mark       | Matyazic     | Irvine            | CA    | USA       | USA         | M   | 52  | Yes  |
| 9   | Grant      | Maughan      | Dudley            |       | Australia | Australia   | M   | 53  | Yes  |
| 37  | Dan        | McHugh       | Key Largo         | FL    | USA       | USA         | M   | 46  | No   |
| 43  | HIroyuki   | Nishimura    | Kamagaya          | Chiba | Japan     | Japan       | M   | 47  | Yes  |
| 79  | Federico   | Sanchez      | Saint Helena      | CA    | USA       | Mexico      | M   | 47  | Yes  |
| 83  | Juan       | Sanchez      | Saint Helena      | CA    | USA       | Mexico      | M   | 48  | Yes  |
| 41  | Ray        | Sanchez      | Sacramento        | CA    | USA       | USA         | M   | 50  | Yes  |
| 38  | Eric       | Spencer      | Coconut Grove     | FL    | USA       | USA         | M   | 38  | Yes  |
| 99  | Noelani    | Taylor       | Ponte Vedra Beach | FL    | USA       | USA         | F   | 37  | No   |
| 58  | Jim        | Trout        | East Grand Rapids | MI    | USA       | USA         | M   | 47  | No   |
| 32  | Nelva      | Valladares   | Los Angeles       | CA    | USA       | Mexico      | F   | 32  | No   |

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**2017 ROSTER QUICK-REFERENCE**

| <b>Bib</b> | <b>Wave</b> | <b>First</b>      | <b>Last</b>        | <b>Bib</b> | <b>Wave</b> | <b>First</b>    | <b>Last</b>        |
|------------|-------------|-------------------|--------------------|------------|-------------|-----------------|--------------------|
| 1          | 2300        | Pete              | Kostelnick         | 51         | 2000        | Kimberlie       | Budzik             |
| 2          | 2300        | Oswaldo           | Lopez              | 52         | 2130        | Sandra          | Villines           |
| 3          | 2130        | Marcia            | Zhou               | 53         | 2130        | Hector          | Bengolea           |
| 4          | 2300        | Chavet            | Breslin            | 54         | 2130        | Adam            | Connor             |
| 5          | 2000        | Eloiza            | Testolin Rodrigues | 55         | 2300        | Luigi           | Dessy              |
| 6          | 2300        | Szilvia           | Lubics             | 56         | 2300        | Mark            | Matyazic           |
| 7          | 2000        | Lisa              | Smith-Batchen      | 57         | 2000        | David           | Coats              |
| 8          | 2130        | Kerri             | Kanuga             | 58         | 2300        | Jim             | Trout              |
| 9          | 2300        | Grant             | Maughan            | 59         | 2130        | Jeff            | Gleason            |
| 10         | 2000        | Pamela            | Chapman-Markle     | 60         | 2130        | Keith           | Straw              |
| 11         | 2000        | David             | Jones              | 61         | 2130        | Roberto Mario   | Gili Farina        |
| 12         | 2300        | Jared             | Fetterolf          | 62         | 2000        | Lisa            | Sherak             |
| 13         | 2130        | Dale              | Cougot             | 63         | 2000        | Mark K.         | Olson              |
| 14         | 2000        | Marcus            | Berggren           | 64         | 2000        | Patrick         | Hameau             |
| 15         | 2000        | Shannon           | Farar-Griever      | 65         | 2300        | Wataru          | Iino               |
| 16         | 2300        | Ed                | Ettinghausen       | 66         | 2000        | Nick            | Kaminski           |
| 17         | 2000        | Ashley            | Lindsey            | 67         | 2300        | Kyle            | Fahrenkamp         |
| 18         | 2130        | Ricarda           | Bethke             | 68         | 2000        | Jack            | Humphrey           |
| 19         | 2130        | Joel              | Livesey            | 69         | 2130        | Gilberto        | Toigo              |
| 20         | 2130        | Nick              | LaBoffe            | 70         | 2000        | Michelle        | Payne              |
| 21         | 2000        | Marshall          | Ulrich             | 71         | 2000        | Jodi            | Weiss              |
| 22         | 2130        | Michelle          | West               | 72         | 2130        | Francisco Simon | Manzanares Ramirez |
| 23         | 2000        | Noora             | Alidina            | 73         | 2130        | Nathan          | DeWall             |
| 24         | 2300        | Jonathan          | Gunderson          | 74         | 2130        | Matthew         | Reily              |
| 25         | 2300        | Amy               | Costa              | 75         | 2130        | Jason           | LeDoyen            |
| 26         | 2000        | Colleen           | Zato               | 76         | 2300        | Brenda          | Guajardo           |
| 27         | 2000        | Emily             | Ryan               | 77         | 2000        | John            | Radich             |
| 28         | 2300        | Michael           | Jimenez            | 78         | 2130        | Kevin           | Marasco            |
| 29         | 2000        | Kayla             | Delk               | 79         | 2300        | Federico        | Sanchez            |
| 30         | 2000        | Kevin             | Delk               | 80         | 2130        | Carl            | Hineline           |
| 31         | 2130        | Uli               | Stuwe              | 81         | 2000        | Gerald          | Tabios             |
| 32         | 2300        | Nelva             | Valladares         | 82         | 2000        | Juan            | Craveri            |
| 33         | 2000        | Catra             | Corbett            | 83         | 2300        | Juan            | Sanchez            |
| 34         | 2130        | Krasimir Nicolaev | Gueorguiev         | 84         | 2130        | Danny           | Westergaard        |
| 35         | 2300        | Harvey            | Lewis III          | 85         | 2000        | Augusto         | Pinto Oliveira     |
| 36         | 2300        | Joshua            | Holmes             | 86         | 2130        | Tim             | Robert             |
| 37         | 2300        | Dan               | McHugh             | 87         | 2130        | Kleber          | Santos             |
| 38         | 2300        | Eric              | Spencer            | 88         | 2000        | Antonette       | Prather            |
| 39         | 2130        | Ken               | Lewis              | 89         | 2130        | Franco          | Soriano            |
| 40         | 2000        | Siria             | Costa              | 90         | 2000        | James           | Ehasz              |
| 41         | 2300        | Ray               | Sanchez            | 91         | 2130        | Bradford        | Lombardi           |
| 42         | 2300        | Tetsuo            | Kiso               | 92         | 2130        | Jens            | Vieler             |
| 43         | 2300        | HIroyuki          | Nishimura          | 93         | 2130        | Marco           | Mazzi              |
| 44         | 2300        | Nobumi            | Iwamoto            | 94         | 2300        | Camilo          | Martinez           |
| 45         | 2130        | Ariovaldo         | Branco             | 95         | 2130        | Brian           | Tjersland          |
| 46         | 2000        | Neil              | Smith              | 96         | 2000        | Monique         | Jacques            |
| 47         | 2300        | Andrea            | Kooiman            | 97         | 2300        | Marco           | Bonfiglio          |
| 48         | 2000        | Frank             | McKinney           | 98         | 2130        | Russ            | Reinbolt           |
| 49         | 2000        | Karla             | Kent               | 99         | 2300        | Noelani         | Taylor             |
| 50         | 2000        | Cheryl            | Zwarkowski         | 100        | 2000        | Mohammad        | Al Swaiti          |



The **BADWATER® ULTRA CUP** comprises *Badwater Cape Fear* in March, *Badwater Salton Sea* in late April, and *Badwater 135* in July. Those runners who complete all three full-distance events in the same calendar year will be featured on the Badwater website and their virtues will be extolled throughout the Internet and in future editions of **BADWATER Magazine**.

| First       | Last       | City           | State | Country   | Nationality | Age | M/F | Cape Fear | Salton Sea | BW135    | Combined |
|-------------|------------|----------------|-------|-----------|-------------|-----|-----|-----------|------------|----------|----------|
| <b>2014</b> |            |                |       |           |             |     |     |           |            |          |          |
| Lorie       | Alexander  | Calgary        | AB    | Canada    | Canada      | 55  | F   | 11:08:00  | 22:31:03   | 36:32:37 | 70:11:40 |
| Jeff        | Gleason    | Wexford        | PA    | USA       | USA         | 56  | M   | 9:49:00   | 19:39:00   | 36:21:55 | 65:49:55 |
| Phil        | Nimmo      | Mansfield      | TX    | USA       | USA         | 50  | M   | 11:37:00  | 22:31:03   | 36:23:41 | 70:31:44 |
| Anthony     | Portera    | White Plains   | NY    | USA       | USA         | 43  | M   | 12:03:00  | 24:44:00   | 37:09:21 | 73:56:21 |
| Eric        | Spencer    | Miami Beach    | FL    | USA       | USA         | 35  | M   | 10:07:00  | 25:24:00   | 36:45:49 | 72:16:49 |
| Keith       | Straw      | Malvern        | PA    | USA       | UK          | 58  | M   | 9:57:00   | 19:39:00   | 42:21:30 | 71:57:30 |
| Bill        | Thompson   | Moon Township  | PA    | USA       | USA         | 48  | M   | 9:49:00   | 19:39:00   | 43:16:16 | 71:44:16 |
| <b>2015</b> |            |                |       |           |             |     |     |           |            |          |          |
| Jill        | Andersen   | Reno           | NV    | USA       | USA         | 38  | F   | 10:00:00  | 24:53:54   | 34:04:14 | 68:58:08 |
| Jodi        | Weiss      | Highland Beach | FL    | USA       | USA         | 45  | F   | 10:27:01  | 22:37:40   | 43:37:51 | 76:42:32 |
| Emily       | Ryan       | Washington     | DC    | USA       | USA         | 40  | F   | 10:48:00  | 23:45:25   | 45:26:46 | 80:00:11 |
| Norma       | Bastidas   | Delta          | BC    | Canada    | Canada      | 47  | F   | 11:14:01  | 23:57:30   | 45:44:15 | 80:55:46 |
| Phil        | Nimmo      | Mansfield      | TX    | USA       | USA         | 51  | M   | 10:15:02  | 21:18:20   | 36:20:15 | 67:53:37 |
| Russ        | Reinbolt   | La Jolla       | CA    | USA       | USA         | 50  | M   | 8:20:00   | 23:31:00   | 37:26:08 | 69:17:08 |
| Dale        | Cougot     | Garland        | TX    | USA       | USA         | 49  | M   | 9:57:00   | 22:48:28   | 39:23:47 | 72:09:15 |
| Keith       | Straw      | Malvern        | PA    | USA       | USA         | 60  | M   | 8:47:02   | 25:30:53   | 40:14:10 | 74:32:05 |
| Bob         | Becker     | Ft. Lauderdale | FL    | USA       | USA         | 70  | M   | 11:20:00  | 25:30:53   | 41:30:21 | 78:21:14 |
| <b>2016</b> |            |                |       |           |             |     |     |           |            |          |          |
| Amy         | Costa      | Jacksonville   | FL    | USA       | USA         | 51  | F   | 10:00:00  | 17:33:00   | 32:47:57 | 60:20:57 |
| Sandra      | Villines   | San Jose       | CA    | USA       | USA         | 43  | F   | 10:01:00  | 20:47:00   | 36:35:37 | 67:23:37 |
| Gina        | Fioroni    | Lakewood       | CO    | USA       | USA         | 39  | F   | 9:28:00   | 22:21:00   | 38:22:36 | 70:11:36 |
| Kayla       | Delk       | Greeneville    | TN    | USA       | USA         | 29  | F   | 10:54:00  | 25:08:00   | 45:32:01 | 81:34:01 |
| Cheryl      | Zwarkowski | Victorville    | CA    | USA       | USA         | 58  | F   | 10:12:00  | 25:44:00   | 46:36:43 | 82:32:43 |
| Grant       | Maughan    | Dudley         | NWS   | Australia | Australia   | 52  | M   | 8:23:00   | 17:33:00   | 26:44:36 | 52:40:36 |
| Jared       | Fetterolf  | Dallas         | TX    | USA       | USA         | 27  | M   | 7:14:00   | 14:56:00   | 30:39:39 | 52:49:39 |
| Mark        | Matyazic   | Irvine         | CA    | USA       | USA         | 51  | M   | 7:36:00   | 16:02:00   | 29:40:42 | 53:18:42 |
| Luigi       | Dessy      | Ponce          | PN    | USA       | USA         | 38  | M   | 8:24:00   | 18:50:00   | 32:38:01 | 59:52:01 |
| William     | Gane       | Chicago        | IL    | USA       | UK          | 40  | M   | 10:12:00  | 21:18:00   | 35:22:34 | 66:52:34 |
| Phil        | Nimmo      | Mansfield      | TX    | USA       | USA         | 52  | M   | 9:48:00   | 18:20:00   | 38:46:48 | 66:54:48 |
| David       | Coats      | Houston        | TX    | USA       | USA         | 55  | M   | 11:45:00  | 21:31:00   | 37:23:34 | 70:39:34 |
| Keith       | Straw      | Malvern        | PA    | USA       | UK          | 61  | M   | 8:21:00   | 23:58:00   | 38:44:59 | 71:03:59 |
| Carl        | Hineline   | Plano          | TX    | USA       | USA         | 41  | M   | 8:57:00   | 22:21:00   | 41:12:14 | 72:30:14 |
| Dale        | Cougot     | Garland        | TX    | USA       | USA         | 50  | M   | 9:48:00   | 27:27:00   | 40:36:11 | 77:51:11 |
| Kevin       | Delk       | Greeneville    | TN    | USA       | USA         | 33  | M   | 10:54:00  | 25:08:00   | 45:32:01 | 81:34:01 |

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## 2017 BADWATER ULTRA CUP CURRENT STANDINGS



**Pamela Chapman-Markle**  
Combined Time: 32:21:38



**Catra Corbett**  
Combined Time: 35:20:10



**Kayla Delk**  
Combined Time: 34:55:20



**Andrea Kooiman**  
Combined Time: 31:54:45



**Antonette Prather**  
Combined Time: 36:58:57



**Lisa Sherak**  
Combined Time: 34:02:51



**Sandra Villines**  
Combined Time: 28:11:10



**David Coats**  
Combined Time: 32:06:09



**Dale Cougot**  
Combined Time: 35:37:31



**Kevin Delk**  
Combined Time: 35:37:31



**Luigi Dessy**  
Combined Time: 28:11:49



**Jared Fetterolf**  
Combined Time: 27:02:04



**Carl Hine**  
Combined Time: 28:21:10



**Joshua Holmes**  
Combined Time: 30:37:52



**Camilo Martinez**  
Combined Time: 27:25:04



**Mark Matyazic**  
Combined Time: 26:02:06



**Russ Reinbolt**  
Combined Time: 30:20:52



**Ray Sanchez**  
Combined Time: 29:58:27



**Keith Straw**  
Combined Time: 31:57:23

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