



*Road Running Technical Council
USA Track & Field*
Measurement Certificate



Name of the course Hoover Dam Half Marathon Distance 21.0975 km
Location (state) NV (city) Lake Mead
Type of course: Road Race
Measuring Methods: Bicycle
Measured By Paul Fritz, 7957 Coronado Coast, Las Vegas NV 89139 | 702-457-3300 | pffonline@cox.net
Race Contact Travis Campbell, 4580 W 109th Ave. Westminster, CO 80031 | 720-487-3323 | travis@bbscendurance.com
Date(s) when course measured: 11/05/22
Number of measurements of entire course: 2 Course Configuration: Multiple Out-and-Backs
Elevation (meters above sea level) Start 377.00 Finish 377.00 Lowest 377.00 Highest 487.00
Straight line distance between start and finish 10m Drop 0.00 m/km Separation 0.05 %
Type of surface: Paved 45 % Dirt 45 % Gravel 10 % Grass 0 % Track 0 %
Effective date of certification: November 11, 2022 Certification code: NV22005MWC

Note to Race Director: Use this Certification Code
in all public announcements relating to your race.

Be It Officially Noted That

Based on examination of data provided by the above named measurer, the course described above and in the map attached is hereby certified as reasonably accurate in measurement according to the standards adopted by the Road Running Technical Council. If any changes are made to the course, this certification becomes void, and the course must then be recertified.

Verification of Course --- In the event a National Open Record is set on the course, or at the discretion of USA Track & Field, a verification measurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all pending records will be rejected and the course certification will be cancelled.

This certification expires on December 31 of the year: **2032**

AS NATIONALLY CERTIFIED BY:

Date: November 13, 2022

Matthew Compton - USATF/RRTC Certifier - 113 Elmcrest, Murphy TX 75094
(214) 924-4645 - mwc@timeandmeasure.com

As measured by Paul & Jennifer Fritz on Nov. 05, 2022, email: pffonline@cox.net

Lake Mead, NV
 Calibration Course: NV22003MWC-1000'
 Race Website: www.bbscendurance.com

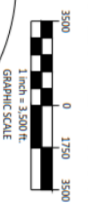


Start: 24' North of 15 MPH sign on Boulder Beach access road near parking lot area
 Mile 1: GPS Pt. Lat: -36° 04' 11" N, Lon: -114° 47' 55.82" W
 Mile 2: GPS Pt. Lat: -36° 1' 36.99" N, Lon: -114° 47' 33.89" W
 Mile 3: 120' East of Scenic View Sign
 Mile 4: 96' East of Correx at Entrance to Tunnel
 Mile 5: 23' East of Metal Sign Pole, No Sign
 Mile 6: 17' From Bench at End of Switchback #3
 Mile 7: Mark on East Side of Trail, 15' West of Last Pole on Brown Metal Fence
 Mile 8: 141' East of Scenic View Sign
 Mile 9: 219' East of Wooden Power Pole No Number
 Mile 10: 22' South of Storm Drain Inlet
 Mile 11: 65' North of "No Motor Vehicles" Sign at Edge of Concrete
 Mile 12: 14' North of Storm Drain Culvert Under Trail, GPS Pt. Lat: -36° 2' 33.90" N, Lon: -114° 48' 27.24" W
 Turnaround: GPS Pt. Lat: -36° 2' 42.64" N, Lon: -114° 48' 39.62" W
 Mile 13: 47' East of Yield Sign
 Finish: In Parking Lot, 24' NW of Curb Change from Asphalt to Conc.

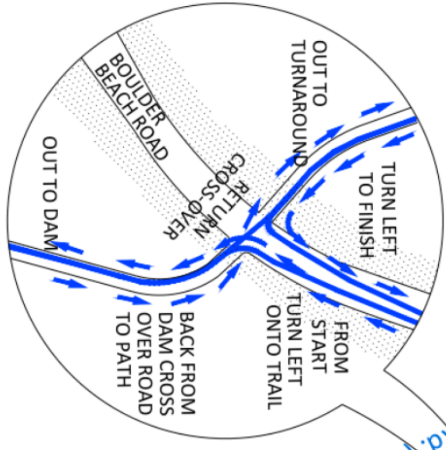
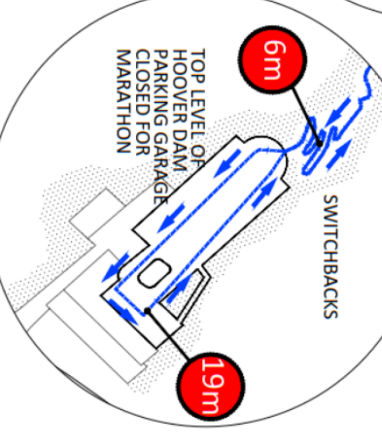
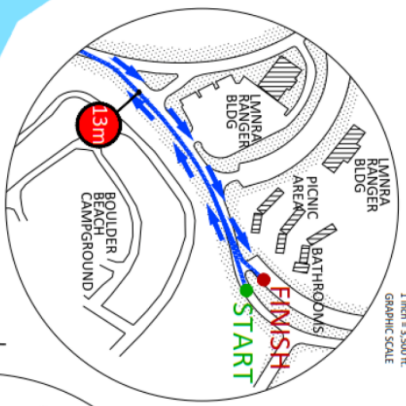
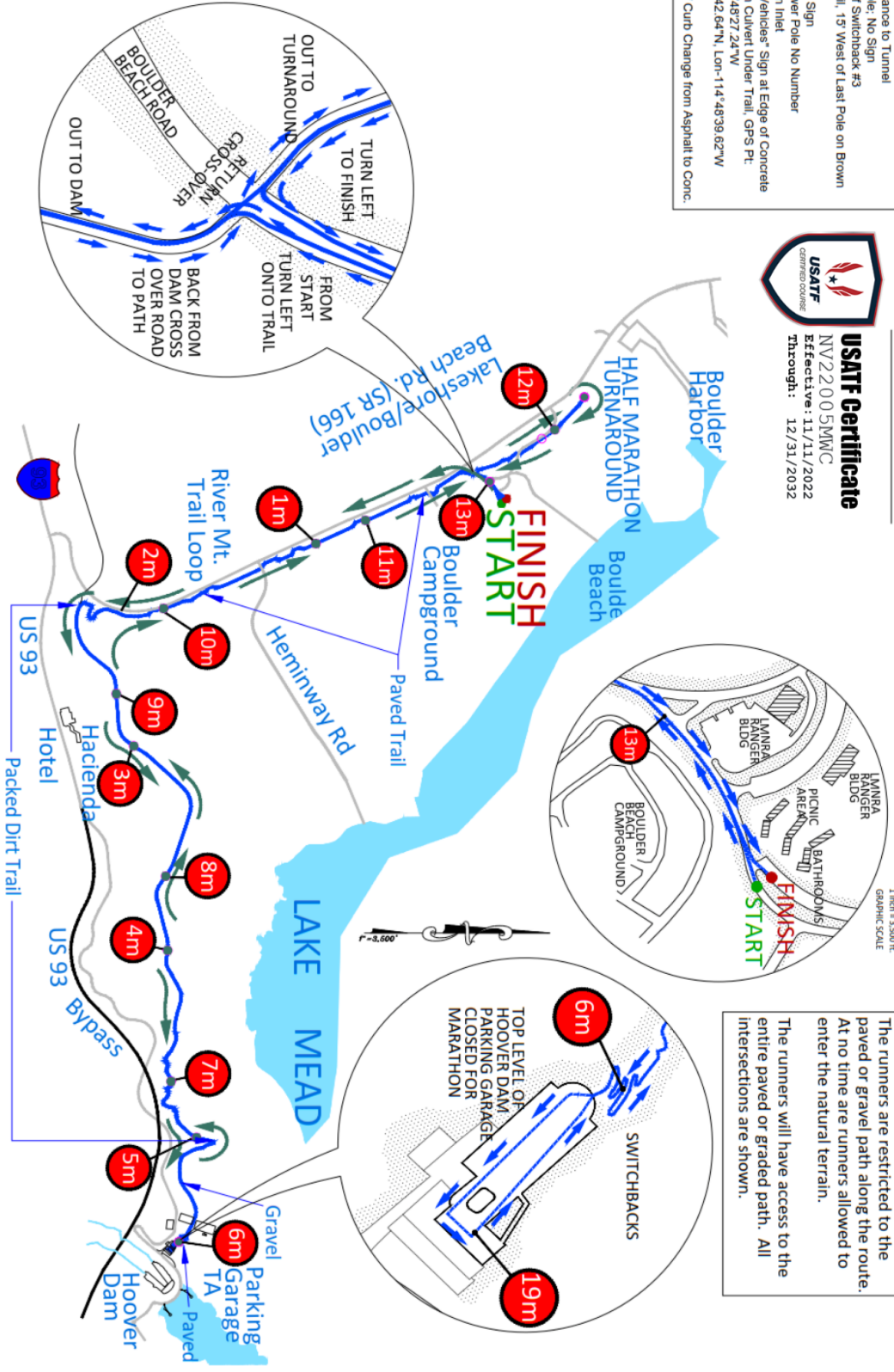
ELEVATIONS:

Start:	1237'
High:	1597'
E.I. miles:	5.1 miles
Low:	1237'
Start/Finish	1237'
Gain/Loss:	2163'
Start/Finish	2163'

HOOVER DAM HALF MARATHON



COURSE is to scale below.
 The runners are restricted to the paved or gravel path along the route. At no time are runners allowed to enter the natural terrain.
 The runners will have access to the entire paved or graded path. All intersections are shown.



NOTE: THIS COURSE WAS MEASURED USING THE FULL WIDTH OF THE ROAD AND THE SHORTEST POSSIBLE ROUTE (SPR).

