


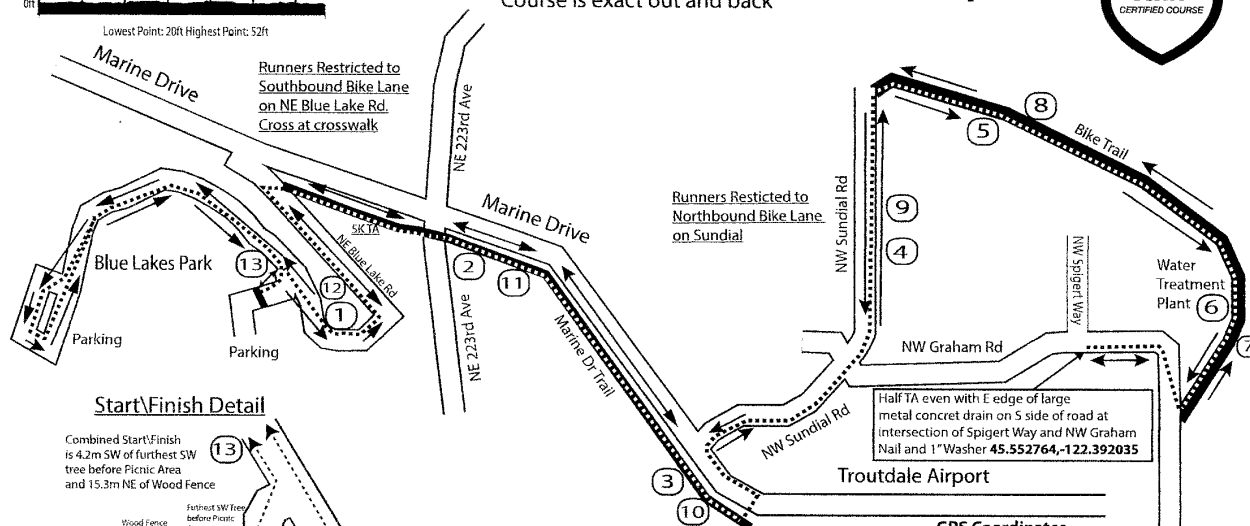
↑ N



Elevation Profile: Total vertical gain: 113ft



Lowest Point: 20ft Highest Point: 53ft



Combined Start/Finish
is 4.2m SW of furthest SW
tree before Picnic Area
and 15.3m NE of Wood Fence

Diagram showing the layout of a picnic area. A road runs horizontally. A picnic area is located below the road. A wood fence runs parallel to the road, 15.3m from the picnic area. A picnic sign is located 4.2m from the picnic area. The furthest point from the picnic area is 15.3m + 4.2m = 19.5m from the picnic area.

Runners come to intersection 4 times
1st time they turn Left
2nd and 3rd time they go straight
4th time they turn Right to finish

Measured by Jeff Huber on 09/30/2018
jeff@hubertiming.com
Online map: <https://goo.gl/adLHEv>

jeff@hubertiming.com

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Jeff Huber

- Mile 1** - Even w blue "Pay to Park" sign on E side of road
- Mile 2** - 44.45m W of Mile 13 green sign
- Mile 3** - 40.95m W of Mile 14 green sign
- Mile 4** - 16.3m S of driveway to 1625 Sundial Rd
- Mile 5** - 19.7m E of 2" washer stamped "DEA Control"
- Mile 6** - 175.76m N of Mile 7. E of wastewater plant pool
- Mile 7** - 40m S of powerpole even w large water tank to W
- Mile 8** - 13.79m E of large Port of Portland Private Property sign
- Mile 9** - 23.85m N of speed limit sign
- Mile 10** - Even w W edge of green metal "Multilink" utility box
- Mile 11** - 42.19m E of stop line immediately after of crosswalk
- Mile 12** - Even w Pedestrians Ahead Sign on N side of road
- Mile 13** - 4.55m W of Bike and Pedestrians Sign at crosswalk

Use these only to get close to mile. Use description to set mile marks

Start/Finish - 45.55603, -122.44703
 Mile 1 - 45.55544461, -122.44547632
 Mile 2 - 45.55703627, -122.44343126
 Mile 3 - 45.54906399, -122.41783737
 Mile 4 - 45.55161461, -122.40970833
 Mile 5 - 45.56029967, -122.40103496
 Mile 6 - 45.55327927, -122.38527756
 Mile 7 - 45.55210456, -122.38672739
 Mile 8 - 45.55995766, -122.39879908
 Mile 9 - 45.55270337, -122.40819991
 Mile 10 - 45.54817572, -122.41602479
 Mile 11 - 45.55663601, -122.43223738
 Mile 12 - 45.55659896, -122.44624606
 Mile 13 - 45.55709051, -122.44724296



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

Measurement Certificate



Name of the course ORRC Blue Lake Half Marathon Distance 21.0975 km
Location (state) Oregon (city) Portland
Type of course: road race ☒ calibration course ☐
Measuring method: bicycle ☒ steel tape ☐ electronic distance meter ☐
Measured by (name, address, phone & e-mail) Jeff Huber 7965 SW 135th Ave. Beaverton, Or 97008
503-936-7187 jeff@hubertiming.com
Race contact (name, address, phone & e-mail) Alan Smith 4840 SW Western Ave. #200
Beaverton, OR 97005 503-816-2510 technology@oregonroadrunnersclub.org
Date(s) when course measured: September 30, 2018
Number of measurements of entire course: 2 Course Configuration: same out/back
Elevation (meters above sea level) Start 6.1m Finish 6.1m Highest 15.9m Lowest 6.1m
Straight line distance between start & finish 0 Drop 0 m/km Separation 0 %
Type of surface: paved 98 % dirt % gravel 2 % grass % track %
Effective date of certification: October 9, 2018 Certification code: OR18025LB

Notice 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 this course, or at the discretion of USA Track & Field, a verification remeasurement 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 in the year **2028**

AS NATIONALLY CERTIFIED BY:

Date: October 9, 2018

Lee Barrett – USATF/RRTC Certifier

3027 NE 20th Ave. Portland, OR 97212 503-867-3836 cudapdx@bendtel.net