



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



Name of the course Seaway Run Half Marathon Distance 21.0975 km  
Location (state) MI (city) Muskegon  
Type of course: Road Race  
Measuring Methods: Bicycle  
Measured By Eric Bartz, 3110 Harvest Ave SW, Grandville, MI, 49418, 616-745-6750, ebartz14@gmail.com  
Race Contact John Frawley, Muskegon YMCA, PO Box 1667, Muskegon, MI, 49443, 989-297-5740, johnfrawley@gmail.com  
Date(s) when course measured: 06/09/2022  
Number of measurements of entire course: 2 Course Configuration: Keyhole  
Elevation (meters above sea level) Start 180.00 Finish 180.00 Lowest 177.00 Highest 202.00  
Straight line distance between start and finish 0.00m Drop 0.00 m/km Separation 0.00 %  
Type of surface: Paved 99 % Dirt 0 % Gravel 1 % Grass 0 % Track 0 %  
Effective date of certification: June 21, 2022 Certification code: MI22025MN

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: June 28, 2022

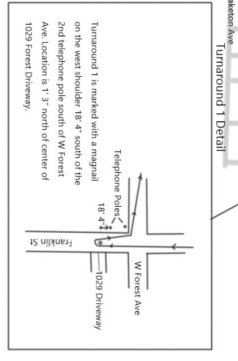
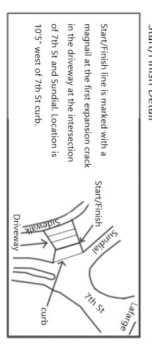
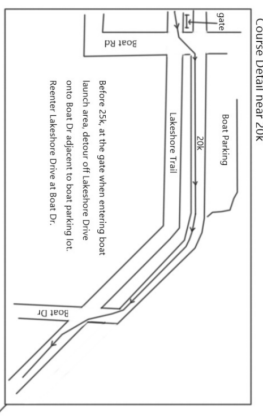
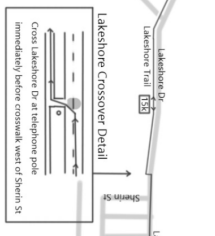
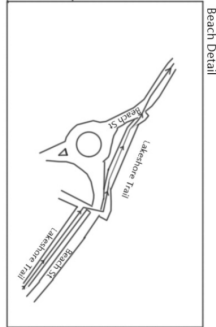
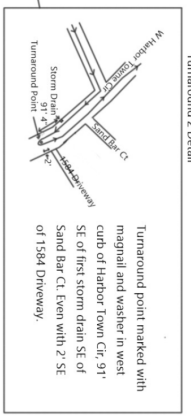
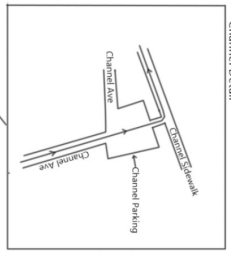
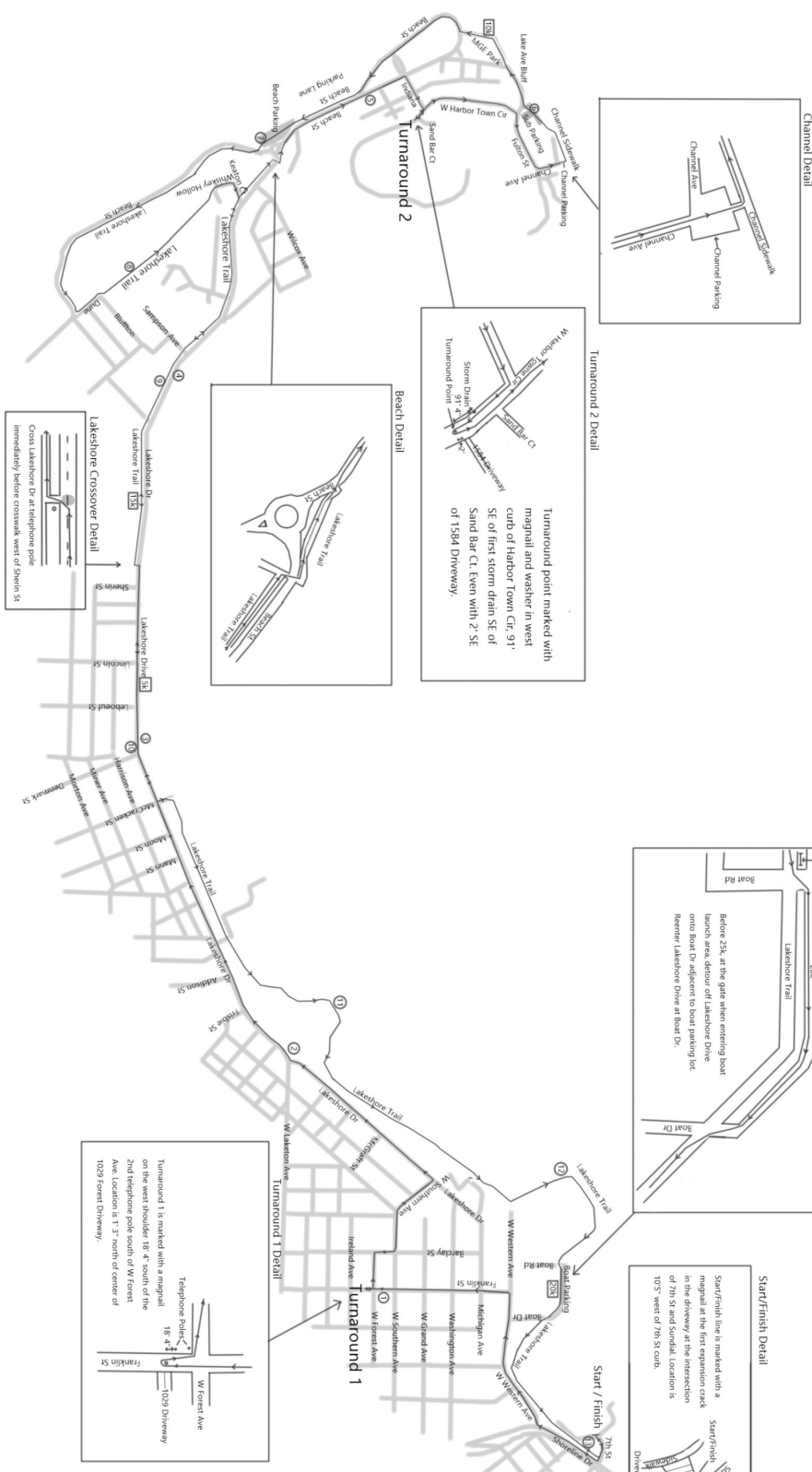
Mark Neal - USATF/RRTC Certifier - 323 Griggs Street, Rochester MI 48307  
(248) 894-3846 - runnermark@gmail.com

# Seaway Run Half Marathon Muskegon, MI 21.0975 km

Measured by Eric Bartz  
on June 9, 2022  
eric.measure@gmail.com



**USATF Certificate**  
MI22025MN  
Effective: 06/21/2022  
Through: 12/31/2022



Course was measured using the entire width of the designated lanes, maintaining the shortest possible route between each turn

**Lane Restrictions**  
Shoreline Dr: Runners use southbound lanes  
W Western Ave: Runners use north lane  
At turn onto Franklin, cut across at crosswalk  
Lakeshore Dr (north of Laketon): Unrestricted  
Lakeshore Dr (south of Laketon): Runners use north lane (all other roads and paths are unrestricted unless noted on map)

## Seaway Run Half Marathon Map (Page 2)

### Course Directions

- Starting on Driveway at Heritage Landing head NE on 7<sup>th</sup> St
- Right on Shoreline Dr (southbound lanes)
- Right on W Western Ave (north lane)
- Left on Franklin St
- Turn around after passing W Forest Ave
- Left (west) on W Forest Ave
- Right on Barclay St
- Left on W Southern Ave
- Left on Lakeshore Dr
- Right on Lakeshore Dr (north lane, at Laketon intersection)
- Cross over onto Lakeshore Trail at crosswalk west of Sherin St, continue west
- Right to cross Beach St at crosswalk before traffic circle
- Left to continue on Lakeshore Trail around traffic circle
- Merge onto Beach St where trail stops and sidewalk begins after traffic circle
- North on Beach St
- Right on Indiana Ave
- Right on W Harbor Towne Cir
- Turn around on W Harbor Towne Cir after Sand Bar Ct
- Continue north on W Harbor Towne Cir
- Right on Fulton Ave
- Left on Channel Ave
- Straight through parking lot to Channel sidewalk
- Left on Channel Sidewalk
- Cut through Sub Parking to Lake Ave Bluff
- West on Lake Ave Bluff
- Right into Margaret Drake Elliot Park parking
- Right on Beach St
- Continue into Beach St parking where Beach St becomes 2-way road
- Cut through parking lot to avoid traffic circle
- Cross Beach St to Lakeshore Trail
- Continue south on Lakeshore Trail
- At Dune St, continue NW on Lakeshore Trail
- Continue on Lakeshore Trail at Beachwood Park
- Merge onto Whiskey Hollow
- Right on Keaton Ct
- Right on Lakeshore Trail
- Cross Lakeshore Dr to north lane at previously used crosswalk, continue east
- Left on Mc Cracken St
- Right on Lakeshore Trail
- Continue on Lakeshore until Boat Launch after mile 12.
- At fence post, leave the trail into the Boat Launch parking lot
- Continue through parking lot until the next intersection with Boat Launch Driveway
- Continue east on Lakeshore Trail until 7<sup>th</sup> St
- Left on 7<sup>th</sup> St
- Finish on Driveway, at Start Location

### Mile/KM Marks

- 1 mile:** On Franklin, 3' south of alleyway between Southern and forest
- 2 mile:** 6' 4" southwest of fire hydrant in front of fire station, near intersection of Lakeshore Dr and Laketon
- 3 mile:** 1' west of second storm drain (in the north Lakeshore Dr curb) west of the large Windward Point sign. 74' west of 2257 driveway
- 5km:** 5' west of the fence to the west of 2341 Lakeshore Dr
- 4 mile:** Even with East Jordan manhole cover on S side of Lakeshore Dr across from the lift station at 3028 Lakeshore Dr
- 5 mile:** 4' south of center of 1650 Beach St driveway
- 6 mile:** In Submarine Museum parking lot. In line with the NE end of the NW parking lot island
- 10km:** Even with north end of pavilion in Margaret Drake Elliot Park parking area
- 7 mile:** 14' north of southern point of center parking spaces in the Beach St parking area west of the traffic circle
- 8 mile:** On Lakeshore Trail, GPS 43.213584 N, 86.323969 W
- 9 mile:** 44' 7" east of Verizon box on west side of 3003 Lakeshore Dr
- 15km:** On Lakeshore Trail, GPS 43.214343 N, 86.312338 W.
- 10 mile:** 1' west of storm drain east of Windward Point sign (across from 2223 Lakeshore Dr)
- 11 mile:** On Lakeshore Trail, GPS 43.221699 N, 86.284403 W
- 12 mile:** On Lakeshore Trail, GPS 43.230889 N, 86.274721 W
- 20km:** 52' 3" west of fire hydrant in the Boat Launch parking lot north of Lakeshore Trail
- 13 mile:** 33' northeast of Heritage Landing LED sign