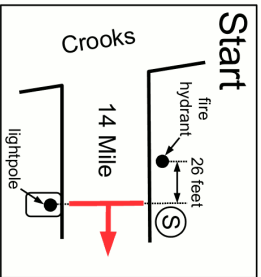
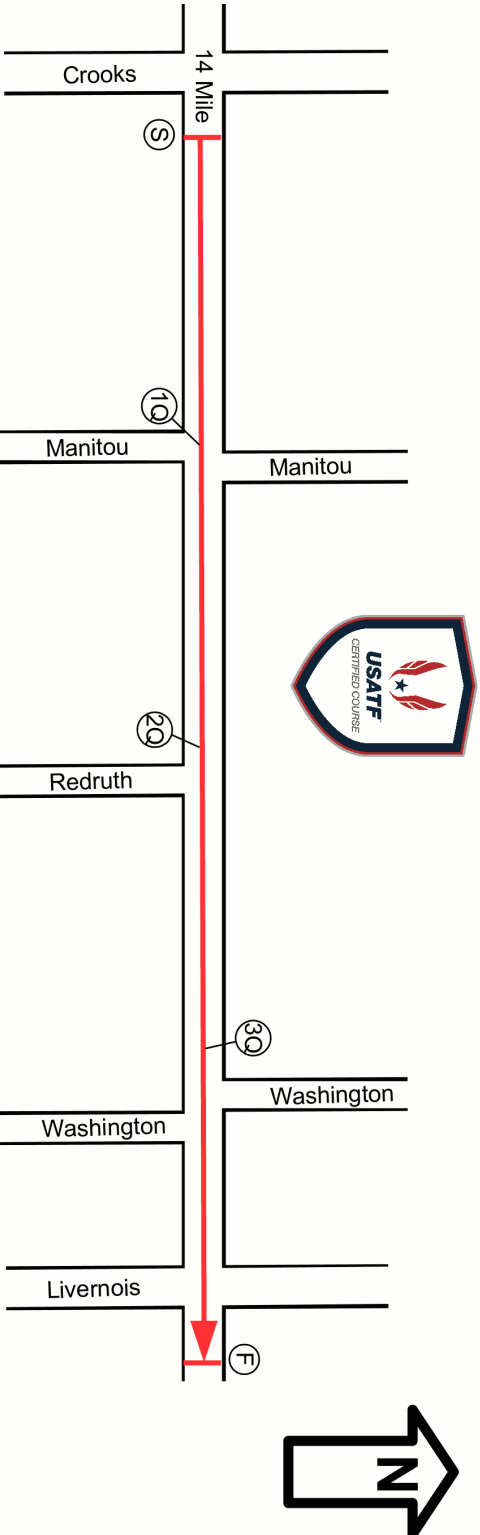


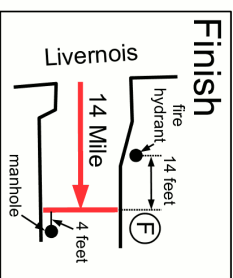
USATF Certificate  
MI19011MN

# Firecracker Mile Clawson, Michigan

Effective Dates  
23-MAY-2019 to 31-DEC-2029



**Start:** Approximately 120 feet east of the east curb of Crooks Road, even with the lighthouse on the small island between business driveways on the south side of the road. Or 26 feet east of the fire hydrant on the north side of the road.  
**440 yards:** 4.5 feet west of the expansion joint in the middle of the south Manitou intersection.  
**880 yards:** 1 foot west of the first expansion joint east of the blue sign at the SW corner of Redruth.  
**1320 yards:** 6 inches east of the first expansion joint east of the 35mph sign on the north side of the road.  
**Finish:** Approximately 140 feet west of the east edge of Livernois Road, 4 feet west of the west edge of the manhole on the south side of the road. Or 14 feet east of the fire hydrant on the north side of the road.



Measured by  
Mark Neal  
runnermark@gmail.com  
19-MAY-2019



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



Name of course Firecracker Mile Distance 1 mile  
 Location (state) Michigan (city) Clawson  
 Type of course:  road race  calibration  
 Measuring Methods :  bicycle  steel tape  electronic distance meter  
 Measured by (name, address, phone & e-mail) Mark Neal  
323 Griggs Street, Rochester, MI, 48307, 248-894-3846, runnermark@gmail.com  
 Race Contact (name, address, phone & email) David Thomson  
313 John M., Clawson, MI, 48017, 248-435-4232, dthomson.math@gmail.com  
 Date(s) when course measured: May 19, 2019  
 Course Configuration: Point to point Number of measurements of entire course: 2  
 Elevation (meters above sea level) Start 207 m Finish 202 m Highest 207 m Lowest 202 m  
 Straight line distance between start & finish 1,609 m Drop 3.1 m/km Separation 100.0%  
 Type of Surface: Paved 100% Dirt 0% Gravel 0% Grass 0% Track 0%  
 Effective date of certification: May 23, 2019 Certification code: MI19011MN

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* 2029

**AS NATIONALLY CERTIFIED BY**

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

Date: May 23, 2019