



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



Name of the course Lumberjack and Jill 10 Mile Distance 10mi
Location (state) WI (city) Oshkosh
Type of course: Road Race
Measuring Methods: Bike
Measured By David Moore, 3112 E Edgemere Dr-Appleton-WI-54915, dave.moor@yahoo.com, 9208404582
Race Contact Ross McDowell, W3192 Cty. Rd. KK- Appleton-WI 54915, events@runawayshoes.net, 9202032904
Date(s) when course measured: 07/12/2020, 07/24/2020
Number of measurements of entire course: 2 Course Configuration: Keyhole
Elevation (meters above sea level) Start 229m Finish 229m Lowest 227m Highest 230m
Straight line distance between start and finish 85m Drop 0 m/km Separation 0.4 %
Type of surface: Paved 100 % Dirt 0 % Gravel 0 % Grass 0 % Track 0 %
Effective date of certification: August 18, 2020 Certification code: WI20007DM

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.

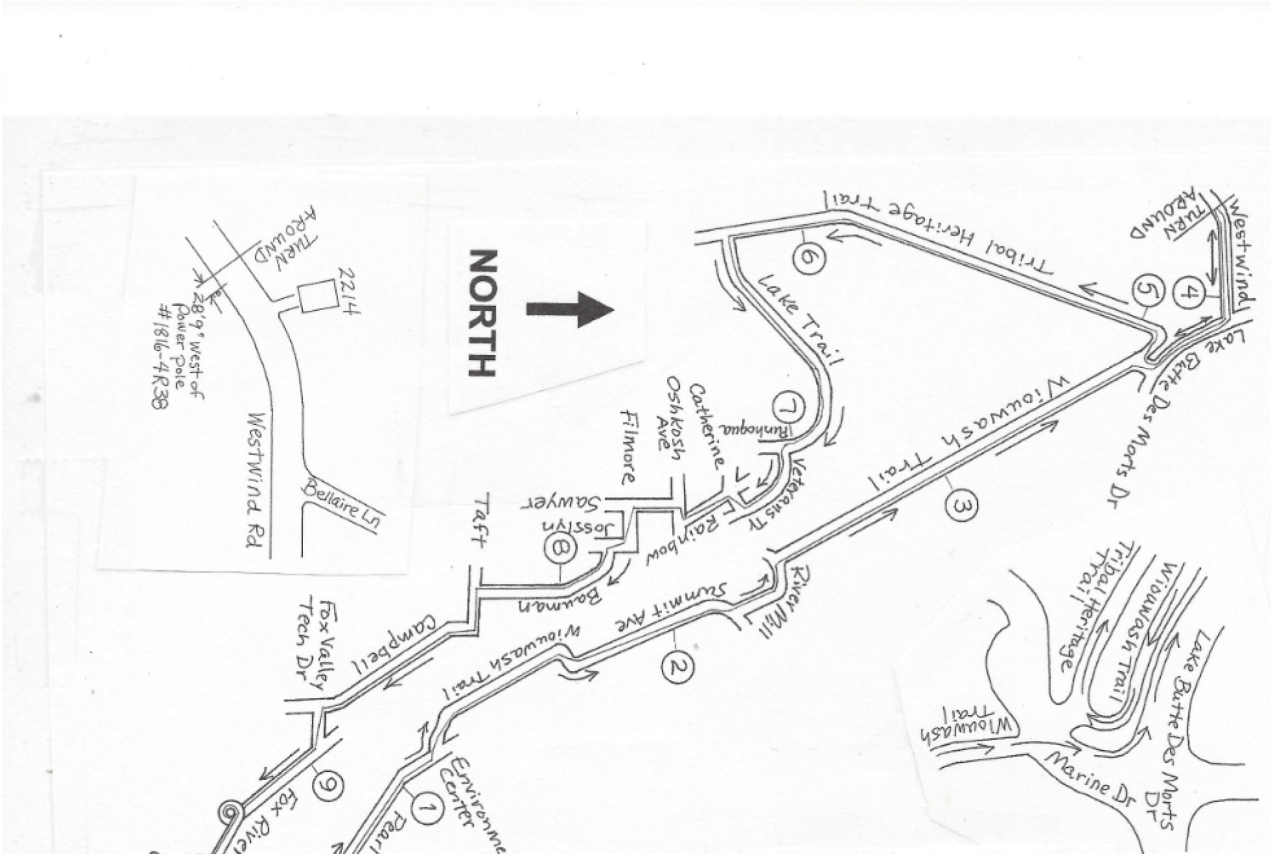
Verification of Course --- In the event a National Open Record is set on the course, or at the discretion of USA Track & Field, a verification measurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all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

This certification expires on December 31 of the year: **2030**

AS NATIONALLY CERTIFIED BY:

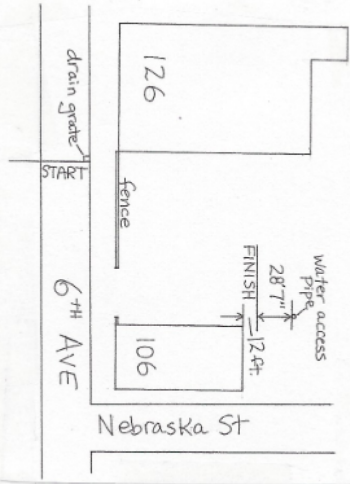
Date: August 23, 2020

David Moore - USATF/RRTC Certifier - 3112 E Edgemere Dr, Appleton WI 54915
(920) 840-4582 - dave.moor@yahoo.com



USATF Certificate
 WI20007DM
 Effective: 08/18/2020
 Through: 12/31/2030

COURSE RESTRICTIONS:
 Runners will be restricted by cones to one lane of the road as shown on the map. The exceptions where runners may use entire road or trail width are: Wiouwash Trail, Tribal Heritage Trail, Lake Trail, Fox River Trail, Catherine St., Filmore St., Josslyn St. and Fox River Tech Dr.



LUMBERJACK AND JILL 10 MILE
Oshkosh, WI
 Measured by David Moore, Appleton, WI
 July 12 and 24, 2020
 dave.moore@yahoo.com

- START: 6th Ave. east of Oregon St.
126 6th Ave.
east edge of drain grate E of bldg.
- 1 Mile: Pearl Ave. NW of Osceola St.
Student Rec. and Wellness Center
71 ft. SE of light pole # 148 KK52
- 2: Summit Ave. S of Congress Ave.
36 ft. S of hydrant on SE corner
- 3: Wiouwash Trail / Cemetery Lagoon
.58 mile north of Rivermill Rd.
.62 mile south of Marine Dr.
94' 6" S of power pole # 114587
- 4: Westwind Rd W of Lk Butte Des Morts Dr
2122 Westwind Rd.
80 ft. west of house
- Turnaround: Westwind Rd. west of Belaire Ln.
west of 2214 Westwind Rd.
28' 9" west of power pole # 1816-4R38
- 5: Tribal Heritage Tr S of Hexco Motorsports
north of Meskwaki rest stop
15' 2" S of light pole # 786F101F
- 6: Tribal Heritage Tr
1st bridge north of Lakeshore Trail
70' 9" N of south end of concrete
- 7: Puntloqua St. N of Veterans Tr.
5 ft. north of power pole # 86B1
- 8: Bauman St. north of Tyler Ave.
light pole north of Tyler Ave.
24 ft. S of light pole # 126-CC36
- 9: River Tr. N of Wisconsin St. bridge
south end of FVTC building
43 ft. S of fiber optic cable post
- Finish: Dockside Tavern parking entrance
north of 6th Ave.
12 ft. N of 106 6th Ave. building
28' 7" south of water access pipe

COURSE MEASUREMENT DATA SHEET

Name of Course or Race Name Lumber Jack and Jill 10 Mile
 Name of Measurer for ride #1 David Moore Working Constant #1 18202
 Date 12 Jul Start: Time 9:18 am Temperature 69°
2020 Finish: Time 9:58 am Temperature 71°
 Name of Measurer for ride #2 David Moore Working Constant #2 18202
 Date 12 Jul Start: Time 10:01 am Temperature 71°
2020 Finish: Time 11:28 am Temperature 74°

Measurement Data. Use the first measurement ride to lay out the start/finish points and all intermediate split points. Use the second ride to record counts at those same points. **Do not lay out a second set of marks!**

Measured Point	Counts for Measurement #1		Counts for Measurement #2	
	Recorded	Interval	Recorded	Interval
Finish:	27500	18202	109582	18188
9 miles:	45702	18202	91394	18194
8:	63904	18202	73200	18193
7:	82106	18202	55007	18198
6:	100308	18202	36809	18209
5:	118510		18600	

Preliminary Course Length	start-to-finish counts	divide by	working constant	=	measured length
Measurement #1	<u>91010</u>	<u>1</u>	<u>18202</u>	=	<u>5 miles</u>
Measurement #2	<u>90982</u>	<u>1</u>	<u>18202</u>	=	<u>4.998462</u>

Difference between lengths #1 and #2 0.001538 divide by 1 length #1 5 = Measurement comparison (less than 0.0008?) 0.0003 (YES) [yes or no]

IMPORTANT. Before you leave the course, compare the two measurements. They should agree to within 0.08%. If the two preliminary measurements do not agree to within 0.08%, something is wrong. Fix it! Then go to the calibration course and recalibrate.

If either of the **Constants for the Day** (for measurement #1 or #2) is **not** the same as the **Working Constant** for that measurement, recalculate the length of the course here:

Final Course Length	start-to-finish counts	divide by	constant for day	=	length of course
Measurement #1		<u>1</u>		=	<u>Same</u>
Measurement #2		<u>1</u>		=	

The length of the race course is the *lesser* of the two lengths calculated above.

Measured course length 4.998462. Desired course length 5 miles
 Use a steel tape to add or subtract distance as required to bring the **minimum** length to the same value as the desired course length.

Adjustment applied: How much, and in what direction, did you move relevant points (start, finish, turn-around), and how much did this change the course distance? Include a diagram if necessary to make this totally clear.

Added 8' 2" by moving mile 5 north

Note: you need not adjust intermediate split points unless certification is desired for those points as well. Did you adjust the intermediate points and, if so, how?