**Open Water Safety Plan**

**Application Instructions**

* Before applying for a USMS open water sanction, event hosts must review their event information and safety plans with their LMSC Sanctioning Officer. Upon approval from the LMSC Sanctioning Officer, the event host is then ready to apply for sanction.
* When applying for a USMS open water sanction, event hosts are required to submit their safety plan for review and approval by the Open Water Compliance Coordinator (OWCC) ON THIS APPLICATION through the online sanction process. We welcome additional supporting information—after all, many event hosts have developed extensive safety plans over years of hosting events—but everyone must submit this completed application to ensure that all pertinent points are covered in safety planning.
* Using a Google Earth map or equivalent, event hosts are also required to upload a map of the venue and course with the safety plan application. Maps must include locations of start & finish, guide & turn buoys, feeding stations, safety craft, lifeguards/first responders, on-site medical care, and evacuation points.
* In the best scenario, the Safety Director should assist the event host in the developing the event safety plan. If the Safety Director did not take part in developing of the safety plan (usually in the case of appointment after the sanction request or in the case of a substantially unchanged safety plan developed over years of experience), the event host must give the Safety Director a copy of the approved safety plan.
* Upon request, USMS OWCC David Miner will send you a copy of the approved safety plan. Contact David at openwateradvisor@usmastersswimming.org.

**Open Water Safety Plan Application**

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## Event Information

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| **General Information** |

Name of Host: Hopkins Masters Swimming

Name of Event: Lake Harriet 1 & 2 mile swims

Event Location: Lake Harriet

City: Minneapolis State: MN LMSC: MN

Event Dates: 6/22/2019 through 6/22/2019

Length of Swim(s): 1 mile & 2 mile

Dual Sanctioned with USA-Swimming: No

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| **Key Event Personnel** |

Event Director: Scott Tripps Phone: 612.385.3235 E-mail: minnetonkachallenge@gmail.com

Referee: TBD 1-2 wks before Phone: 000-000-0000 E-mail: Click to enter e-mail address

Certified Safety Director: David Bergquist. Phone: 218-260-0943 E-mail: Bergquist.david@yahoo.com

| **Pre-Race Safety Meeting (required):** **all officials & safety personnel must attend** |
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Tentative date: 6/22/2019 Time: 7:00AM

Tentative agenda: Course description, safety/lifeguard assignments, discuss swimmer safety meeting

| **Pre-Race Swimmer Meeting (required):** **all officials & swimmers must attend to participate in race** |
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Tentative date: 6/22/2019 Time: 7:15AM

Tentative agenda: Course Description. Start/Finsh. Emergency Situations, Rules, How to Get help if needed. New Swimmer identification. Weather.

**Course & Event Conditions**

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| **The Course** |

Body of water: Lake Water type: Fresh Water Water depth from: 0’ to: 75’

Course: Closed-only event watercraft allowed

If open course, indicate the agency used to control the traffic while swimmers are on the course.

Agency name: Click here to enter agency. How to contact during event: Phone # or radio channel

Expected water conditions for the swimmers: (marine life, tides, currents, underwater hazards): windy, possibly wavy, occasional patches of weeds

How is the course marked?

* Turn buoy(s): Height(s) 8’ Color(s) orange or yellow Shape(s) Tetrahedron
* Guide buoy(s): Height(s) 8’ Color(s) orange or yellow Shape(s) tetrahedron
* Approximate Distance between Guide buoys: 1/8-1/4mile

Number of Feeding Stations: 0

Type of structure(s) used as feeding station(s): n/a

Number of people the structure(s) can safely hold: n/a

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| **Water & Air Temperatures** |

Expected air temp range: 68F Expected water temp range: 75F Wetsuits: Not allowed

**USMS Water Temperature Index for sanctioned open water events:**

**- Below 57°F (Very Cold) – heat retaining swimwear and a Thermal Plan for Cold Water Swims is REQUIRED**

**- 57°F-60°F (Cold) - heat-retaining swimwear is required or a Thermal Plan for Cold Water Swims is REQUIRED**

**- 60°F-66°F (Quite cool) - Thermal Plan for Cold Water Swims is RECOMMENDED**

**- 66°F-72°F (Fairly cool) - Thermal Plan for Cold Water Swims is ENCOURAGED**

**- 72°F-78°F (Cool) - No Thermal Plan required**

**- 78°F-82°F (Optimal) - Heat-retaining swimwear & neoprene caps are not permitted above 78°F.**

**- 82°F-85°F (Warm) - Thermal Plan for Warm Water Swims is RECOMMENDED**

**- 85°F-87.8°F (Very warm) - Thermal Plan for Warm Water Swims is REQUIRED**

**- 87.8°F-95°F (Hot) - Sanctioned open water swims cannot be held**

**- Over 95°F (Extremely hot) - Any swimming is ill-advised**

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| **USMS Water Temperature Measurement Procedure:** Using an accurate thermometer, the event host should take three to five measurements at various places on the course—12 to 18 inches below the water surface and no closer to the shore than 25 meters (if possible)—within one hour before the start of an open water swim. The host should average these measurements, post and/or announce the resulting average temperature at least 30 minutes before the start of the swim, and announce it during the pre-race staff safety and swimmers’ meetings. |

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| **Water Quality** |
| It is recommended that one week before the event, check water quality. If results returned are inconsistent with the local governing body’s standards, notify swimmers who participated in the event of any known exposures post-race. If an exceptional event such as heavy rain or flooding affects the water quality, the Event Director, Referee, or Safety Director shall have the authority to postpone or cancel the race. It is recommended to take and retain water samples on race day and retain for reference. |

Water quality at (Harriet North Beach) is regularly tested by local DNR. If bacteria level is deemed unsuitable for swimming, course start, turn and finish will be altered to allow for swimming outside of the beaches.

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## Event Safety

| **Medical Personnel** |
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Lead medical personnel (emergency trained) on site: TBD 1-2 weeks before, EMT-P

Experience in sporting events (Marathon, Triathlon, Open water swim, etc.): Yes

Will medical personnel be located on the course? No

The number of medical personnel will be dependent on the course layout, number of swimmers in the water,

expected conditions, etc. How many medical personnel do you plan to have on site? 2

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| **First Responders/Lifeguards & Monitors** |

Indicate the qualifications of the first responders: ARC Lifeguards

Number on course: 4-6 Number on land: 1-2

Indicate their location on the Race Plan Map.

| **Onsite Medical Care & Facilities** |
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Describe onsite set up for medical care, such as medical treatment tent, heating/cooling tent or facility. etc., and indicate locations on the Race Plan Map. On site EMT will have a Medical Station on the West side of the beach. Will have a Tent and/or Blanket.

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| **Ambulance/Emergency Transportation & Nearby Medical Facilities** |

Ambulance(s) onsite: 911 or non emergency= 763-525-6216 On Call: **000-000-0000**

Have you spoken with local emergency response agency regarding potential emergencies? Yes

Closest medical facility: Hennepin County Medical Center Phone: [(612) 873-3000](javascript:void(0)" \o "Call via Hangouts)

Type of medical facility (urgent care, hospital, etc.): Hospital

Distance to closest medical facility: 5-10 miles Approximate transport time: 12-15 minutes

| **Watercraft** |
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Motorized Watercraft:

* Owned/operated by government agencies (Coast Guard, police, fire & rescue, etc.): 1
* Owned/operated by volunteers or hired individuals: 1

Will all motorized watercraft with a propeller owned/operated by volunteers or hired individuals be equipped either with a propeller guard or a swimmer monitor? Yes

Other motorized watercraft:

* With propellers fore of the rudder: 0
* With impeller motor (jet ski, jet boat): 1
* Anchored from start to finish: 0

Allocation of Watercraft:

* Safety Watercraft:
* 1st Responders: Motorized: 1 Non-motorized: 4-6

# 2nd Responders: Motorized: 0 Non-motorized: 1-2

* Watercraft for race officials: Motorized: 0 Non-motorized: 1
* Watercraft for race supervision: Motorized: 1 Non-motorized: 6
* Watercraft for feeding stations: Motorized: n/a Non-motorized: n/a
* Watercraft for escorted events: Motorized: Number Non-motorized: Number
* Other event watercraft: Click here to enter text.

Emergency Signal Flag Color for all watercraft: RED

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| **Communications** |

Primary method between event officials: Radio Secondary method: Cell Phone

Primary method between medical personnel, first responders & safety craft: Cell Phone

Secondary method: Megaphone/Bullhorn

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| **Swimmer Counting & Accountability** |

Describe method of swimmer body numbering: Click hBlack Permanent Marker on Both Shoulder/Top of Arm between bicep/tricep. Caps are also numbered ere to eer text.

Describe method of electronic identification of swimmer (Recommended): n/a

Describe different bright cap colors for various divisions (Recommended): men/women

Describe method of accounting for all swimmers before, during and after swim(s): Initial Checkin, Body Marking checkin, Pre-Race checkin. Race Count before and after events

Describe method of accounting for swimmers who do not finish: Check-in and Out regardless of finish or non finish

| **Warm-up/Warm-down Safety Plan** |
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Describe safety plan for warm-up/warm-down, include number and location of lifeguards and designated

watercraft. Allowed if lifeguard present and only in Designated Shallow City Swim area. Surrounded by small white bouys connected via rope and anchors

| **Swimmer Management** |
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Maximum number of swimmers on course at a time: 100

If more swimmers show up on the day of the swim(s), how will you adjust the safety plan to accommodate the increased number of entries? Permit does not allow for more than 100 bodies in the water at one time

How will you deploy the safety staff and crafts distributed to supervise this event to ensure swift recognition, rescue, and treatment of any swimmer? Evenly distributed along course during initial lap, after to try to keep evenly spaced dependent on swimmer location on course.

How will you deploy the safety staff to maximize rapid response to a troubled swimmer? If a safety craft is pulled away from “regular” swimmer watching to help with a medical/safety situation. A “backup” or Meet official craft will take the place of the original safety crafy that is assisting a swimmer

How will you alter the event if insufficient safety personnel/craft are available on the day of the swim(s)? Course will be shortened. Distances between buoys will be reduced and the number of “laps” will be increased to reach proper distances. Or Event may be cancelled if sufficient safety personel are not present at the Start.

Describe your missing swimmer plan:   
Accounting before race: Manual count on beach.   
Accounting during: Manual count after each “lap”   
Accounting conclusion: Manual count on beach with reference list, including swimmer’s name, assigned number, and emergency contact information.   
Accounting for DNF: Manual count at start/finish (swimmers returned to start on safety boat or in escort vessel)   
if swimmer is missing 911 water rescue is called and event is cancelled.

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| **Severe Weather Plan** |

Is a lightning detector or weather radio available on site? No

Describe your plan for severe weather or natural disaster: Severe weather plan before start: If severe weather threatens, delay Start up to 2Hrs, go to cars or building for shelter. Severe weather during race: air horns, event cancelled; swimmer enters escort or safety boat and go to nearest shore; must check in at finish table within 2-hours of cancellation or rescue teams sent The Event Director, Event Referee, Safety Director & Fire Chief have authority to delay, evacuate, and/or cancel the event if it is determined that unsafe conditions exist or are imminent including but not restricted to: water conditions (water temperature, quality, etc.) weather conditions availability of adequate in-water and on-land safety resources (personnel, etc.) accounting of swimmers (e.g., in-water entry and exit) communications between in-water and on-land safety monitors and responders

Describe your course and site evacuation plan, including accounting for all swimmers and other participants: Swimmers should signal that they need assistance by waving one arm/hand over their head; escort will typically make initial contact and raise red flag to signal safety boat/lifeguard support needed. If the swimmer or the safety personnel determine that they should not complete the swim, they will be evacuated from the water to the start/finish area. The watercraft lifeguards and emergency responders continue care and notify the Safety Director of the swimmer status (in-water, out-of-water, condition). Safety boat and lifeguard will be released as soon as swimmer is in proper care on land.

## Thermal Plan for Cold Water Swims

| **General Information** |
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| Thermal Plan for Cold Water Swims: USMS Rules for Open Water Swims state:  302.2.2A (1) A swim shall not begin if the water temperature is less than 60° F. (15.6° C.), unless heat-retaining swimwear is required of all swimmers or a USMS-approved thermal plan is in place.  302.2.2A (2) A swim in which heat retaining swimwear is required of all swimmers shall not begin if the water temperature is less than 57° F. (13.9° C.), unless a USMS-approved thermal plan is in place. |
| Remember that the average masters swimmer does little or no acclimatization to cold water, so even a small drop in water temperature—especially in the colder ranges—dramatically increases the odds of thermal issues: Cold Shock Response, Cold Incapacitation, Hypothermia, and Circum-rescue Collapse). Be Prepared! |
| - If your swim course has a remote chance of water temperature less than 60° F., you are **REQUIRED** to complete the thermal plan below, showing your specific commitment to increased swimmer preparation before the event, reduced swimmer exposure during the event, and maximize mitigation & treatment of thermal issues during & after the event.  - If your swim course has a chance of water temperature between 60° F & 66° F., a thermal plan is **RECOMMENDED**.  - If your swim course has a chance of water temperature between 66° F & 72° F., a thermal plan is **ENCOURAGED**. |

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| **How will you assist swimmer preparation before the event:** |

**The following methods are among the ways you can do this:**

1. Emphasize & stress on entry information of possible cold water swim conditions.

2. Require prior cold water swim experience.

3. Require swimmer cold water preparation plan.

4. Refuse entry if swimmer is not acclimated to cold water swimming.

What method(s) of swimmer preparation will you take: Click here to enter text.

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| **What action will you take to reduce swimmer exposure to thermal issues:** |

**The following methods are among the ways you can do this:**

1. Cancel the swim(s).

2. Shorten swim(s) or institute/shorten time limits.

3. Encourage wetsuits for all swimmers.

4. Require wetsuits for all swimmers.

Explain your plan of action: Click here to enter text.

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| **What extra medical care will you provide to mitigate & treat symptoms of thermal issues:** |

**The following methods are among the ways you can do this:**

1. Bring in more emergency trained medical personnel and/or ambulances.

2. Bring in more volunteers to assist medical personnel.

3. Bring in more emergency craft and first responders on the course.

4. Increase warm beverages before the swim and at feeding stations.

5. Have special procedures (different than normal) for removing swimmers from the water & venue.   
6. Increase warm beverages after the swim.

7. Increase thermal treatment gear (blankets, hot water bottles, etc.)

8. Make warm showers available on-site.

9. Make warming facilities (buildings, tents, vehicles, etc.) available on-site.

10. Other: Specify

Specify what extra listed items you will provide: Click here to enter text.

Comment on how you will be prepared to care for multiple medical issues: Click here to enter text.

**If the water temperature is below 72° F, will you be prepared to deal with cold water medical issues:** Click here to enter text.

## Thermal Plan for Warm Water Swims

| **General Information** |
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| Thermal Plan for Warm Water Swims: USMS Rule 302.2.2A(3) for Open Water Swims states:  “A swim of 5K or greater shall not begin if the water temperature exceeds 29.45° C. (85°F.). A swim of less than 5K shall not begin if the water temperature exceeds 31° C. (87.8°F.).” |
| Remember that the average masters swimmer does little or no acclimatization to warm water, so even a small increase in water temperature—especially in the warmer ranges—dramatically increases the odds of thermal issues: Dehydration, Heat Stroke, and Hyperthermia. Be Prepared! |
| - If your swim course has a chance of water temperature from 85° F to 87.8° F, you are **REQUIRED** to complete the thermal plan below, showing your specific commitment to increased swimmer preparation before the event, reduced swimmer exposure during the event, and maximize mitigation & treatment of thermal issues during & after the event.  - If your swim course has a chance of water temperature between 82° F & 85° F., a thermal plan is **RECOMMENDED**. |

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| **How will you assist swimmer preparation before the event:** |

**The following methods are among the ways you can do this:**

1. Emphasize & stress on entry information of possible warm water swim conditions.

2. Require prior warm water swim experience.

3. Require swimmer warm water preparation plan.

What method(s) of swimmer preparation will you take: Click here to enter text.

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| **What action will you take to reduce swimmer, official, and staff exposure to heat-related issues:** |

**The following methods are among the ways you can do this:**

1. Cancel the swim(s).

2. Shorten swim(s) or institute/shorten time limits.

3. Remind all participants to stay well hydrated.

4. Remind swimmers to select appropriate pace.

5. Make swim caps optional or use Lycra swim caps.

Explain your plan of action: Click here to enter text.

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| **What extra medical care will you provide to mitigate & treat symptoms of heat-related issues:** |

**The following methods are among the ways you can do this:**

1. Bring in more emergency trained medical personnel and/or ambulances.

2. Bring in more volunteers to assist medical personnel.

3. Bring in more emergency craft and first responders on the course.

4. Increase cool beverages before, during and after the swim (for swimmers and staff, including extra cool beverages on watercraft and feeding stations)

5. Increase heat exhaustion and heat stroke treatment gear (iced water, ice chips, cold water bottles, misting tents/fans, etc.)

6. Make cool showers available on-site.

7. Make shade and cooling facilities (buildings, tents, etc.) available on-site.

8. Other: Specify

Specify what extra listed items you will need to provide: Click here to enter text.

**Comment on how you will be prepared to care for multiple medical issues:** Click here to enter text.

**If the water temperature is above 82° F, will you be prepared to deal with heat-related medical issues:** Click here to enter text.

