



## **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](mailto:openwateradvisor@usmastersswimming.org) or 941-545-9709.

# Open Water Safety Plan Application

## Event Information

### General Information

Name of Host: [Newport Beach Ocean Lifeguard Association](#)  
Name of Event: Corona Del Mar One Mile Swim  
Event Location: Corona Del Mar Main Beach Tower 3  
City: Corona Del Mar State: Ca. LMSC: Southern Pacific LMSC  
Event Dates: 8/27/2022 through 8/27/2022  
Length of Swim(s): 1 Mile  
Dual Sanctioned with USA-Swimming: No

### Key Event Personnel

Event Director: [Brandon Hodding](#) Phone: 714-402-0285 E-mail: BHODDING@NBFD.NET  
Referee: [Mike Ure](#) Phone: 949-644-3177 E-mail: MURE@NBFD.NET  
Certified Safety Director: [Mark Herman](#) Phone: 949-533-0343 E-mail: MHERMAN@NBFD.NET

### Pre-Race Safety Meeting (required): all officials & safety personnel must attend

Tentative date: 8/27/2022 Time: [0830](#)

Tentative agenda: [COURSE OVERVIEW, SWIMMER IN DISTRESS, RESCUE PROTOCOL, DNF PROTOCOL, MEDICAL CENTER LOCATION, WEATHER CONDITIONS, POSITIONS.](#)

### Pre-Race Swimmer Meeting (required): all officials & swimmers must attend to participate in race

Tentative date: 8/27/2022 Time: [0945](#)

Tentative agenda: COURSE, DISTRESS SIGNAL, DNF PROTOCOL, MEDICAL CENTER LOCATION, RESCUE PERSONNEL LOCATIONS, WEATHER CONDITIONS

## Course & Event Conditions

### The Course

Body of water: Ocean Water type: Salt Water Water depth from: 0 to: 30

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: Newport Beach Lifeguards How to contact during event: Channel 16

Expected water conditions for the swimmers: (marine life, tides, currents, underwater hazards): NO DANGEROUS MARINE LIFE, NEUTRAL TIDE, FOLLOWING CURRENT, UNDERWATER HAZARD IS THE SAND.

How is the course marked?

- Turn buoy(s): Height(s) 4 feet      Color(s) Red, Green      Shape(s) box
- Guide buoy(s): Height(s) 4 feet      Color(s) yellow      Shape(s) triangle
- Approximate Distance between Guide buoys: 200 yards

Number of Feeding Stations: 0

Type of structure(s) used as feeding station(s): [Click here to describe feeding stations](#)

Number of people the structure(s) can safely hold: 30,000

### Water & Air Temperatures

Expected air temp range: 75    Expected water temp range: 65-70      Wetsuits: [Choose an item.](#)

#### 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

**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.

### 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.

[CALL OC WATER QUALITY MONITORS](#)

## Event Safety

### Medical Personnel

Lead medical personnel (emergency trained) on site: Clay Rinker, EMT

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

Will medical personnel be located on the course? Yes

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? More than 7

### First Responders/Lifeguards & Monitors

Indicate the qualifications of the first responders: USLA

Number on course: 12

Number on land: 6

Indicate their location on the Race Plan Map.

### Onsite Medical Care & Facilities

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. LIFEGUARD HQ/MEDICAL CENTER HAS HEATING CAPABILITIES

### Ambulance/Emergency Transportation & Nearby Medical Facilities

Ambulance(s) onsite: 3 India

On Call: 9496443177

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

Closest medical facility: HOAG HOSPITAL

Phone: 949-7644624

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

Distance to closest medical facility: 2-5 miles    Approximate transport time: 5 minutes

### Watercraft

Motorized Watercraft:

- Owned/operated by government agencies (Coast Guard, police, fire & rescue, etc.): 3
- Owned/operated by volunteers or hired individuals: 0

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: Number
- With impeller motor (jet ski, jet boat): Number
- Anchored from start to finish: Number

Allocation of Watercraft:

- Safety Watercraft:
  - 1st Responders: Motorized: 3 Non-motorized: 8
  - 2nd Responders: Motorized: Number Non-motorized: Number
- Watercraft for race officials: Motorized: Number Non-motorized: Number
- Watercraft for race supervision: Motorized: Number Non-motorized: Number
- Watercraft for feeding stations: Motorized: Number Non-motorized: Number
- Watercraft for escorted events: Motorized: Number Non-motorized: Number
- Other event watercraft: PADDLE BOARD

Emergency Signal Flag Color for all watercraft: RED

### **Communications**

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

Primary method between medical personnel, first responders & safety craft: Radio (separate channel from Meet Officials)

Secondary method: Cell Phone

### **Swimmer Counting & Accountability**

Describe method of swimmer body numbering: Sharpie

Describe method of electronic identification of swimmer (Recommended): GEMINI TIMING

Describe different bright cap colors for various divisions (Recommended): SAME COLOR CAPS FOR ALL DIVISIONS

Describe method of accounting for all swimmers before, during and after swim(s): BEFORE RACE; STAFFED LIFEGUARD TOWER AT START, DURING RACE; 4 LIFEGUARD TOWERS, 2 LIFEGUARD TRUCKS, 3 LIFEGUARD BOATS, 8 LIFEGUARD PADDLERS, AFTER RACE; 3 LIFEGUARD TOWER TIMING CHIPS.

Describe method of accounting for swimmers who do not finish: SWIMMERS WHO DNF WILL HAVE THEIR NUMBER RECORDED AND RELAYED BY RADIO TO THE RACE DIRECTOR AFTER BEING CHECKED FOR ANY MEDICAL ISSUES. THE TIMING CHIP WILL BE TURNED IN TO RACE STAFF.

### **Warm-up/Warm-down Safety Plan**

Describe safety plan for warm-up/warm-down, include number and location of lifeguards and designated watercraft. THERE WILL BE ONE LIFEGUARD ASSIGNED TO THE TOWER AT THE START AND ONE AT THE FINISH.

### **Swimmer Management**

Maximum number of swimmers on course at a time: 300

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? START IN WAVES

How will you deploy the safety staff and crafts distributed to supervise this event to ensure swift recognition, rescue, and treatment of any swimmer? LIFEGUARD BOATS WILL PATROL FROM THE WATER, TRUCKS WILL PATROL BY LAND, ALL LIFEGUARD TOWERS WILL BE STAFFED ALONG COURSE, 8 RESCUE PADDLERS ALONG COURSE.

How will you deploy the safety staff to maximize rapid response to a troubled swimmer? AS PROFESSIONAL OCEAN LIFEGUARDS THE STAFF IS TRAINED TO WATCH FOR SWIMMERS IN DISTRESS. LAST YEAR WE MADE OVER 3,000 RESCUES AS AN AGENCY. WE WILL HAVE NORMAL SUMMER STAFFING WHICH IS CAPABLE OF MONITORING 50,000 DAILY BEACH PATRONS IN THE SWIM AREA AS WELL AS AN ADDITIONAL 8 LIFEGUARD PADDLERS AND 2 ADDITIONAL RESCUE BOATS. WE WILL FOLLOW THE USLA RESCUE PROTOCOLS

How will you alter the event if insufficient safety personnel/craft are available on the day of the swim(s)? THE SAFETY STAFF ARE PAID AND SCHEDULED 2 WEEKS OUT. IF STAFFING IS INSUFFICIENT WE WILL START IN WAVES AND IF NECESSARY WE WILL CALL OFF THE SWIM.

Describe your missing swimmer plan: **WE WILL FOLLOW THE USLA MISSING SWIMMER PLAN. ACQUIRE A POINT LAST SEEN, INITIATE A HASTY SEARCH, AS MORE PERSONNEL ARRIVE ON SCENE RE-EVALUATE SEARCH LOCATION AND DEPLOY TEAMS OF LINE SWIMMERS IN AN ORGANIZED PATTERN. WHEN SCUBA DIVERS ARRIVE DETERMINE THE BEST AREA FOR THEM TO SEARCH AND DEPLOY THEM. WE WILL BE IN A RESCUE MODE FOR 1 HOUR OR UNTIL THE SWIMMER IS FOUND. AFTER 1 HOUR WE WILL SWITCH TO RECOVERY MODE.**

#### Severe Weather Plan

Is a lightning detector or weather radio available on site? Yes

Describe your plan for severe weather or natural disaster: **USE LIFEGUARD VEHICLES TO FERRY SWIMMERS BACK TO SAFETY.**

Describe your course and site evacuation plan, including accounting for all swimmers and other participants: **SWIMMERS WILL EVACUATE TO THE NEAREST LIFEGUARD WHERE THEY WILL BE TRANSPORTED TO SAFETY. NUMBERS ON ARMS AND TIMING CHIPS WILL BE COLLECTED BY LIFEGUARDS TO KEEP TRACK OF SWIMMERS. IF A SWIMMER DOES NOT CHECK IN WITH A LIFEGUARD PRIOR TO LEAVING THE SWIM THEY WILL BE DIRECTED TO CALL LIFEGUARD HQ ASAP.**

## Thermal Plan for Cold Water Swims

#### General Information

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**.

#### 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.](#)

**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.](#)

**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**

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**.

**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.](#)

**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.](#)

<b>What extra medical care will you provide to mitigate &amp; treat symptoms of heat-related issues:</b>
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**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.](#)