



UNITED STATES MARINE CORPS
III MARINE EXPEDITIONARY FORCE
UNIT 35601
FPO AP 96382-5601
AND
MARINE CORPS INSTALLATIONS PACIFIC-MCB CAMP BUTLER
UNIT 35001
FPO AP 96373-5001

MAR 26 2019

III MEF/MCIPAC-MCBBO 5101.1A Ch 1
SAF

III MARINE EXPEDITIONARY FORCE/MARINE CORPS INSTALLATIONS PACIFIC-MCB CAMP BUTLER ORDER 5101.1A Ch 1

From: Commanding General, III Marine Expeditionary Force
Commanding General, Marine Corps Installations Pacific-MCB Camp Butler
To: Distribution List

Subj: RECREATIONAL OPEN WATER ACTIVITIES

1. Situation. To direct pen changes to the basic Order.
2. Mission. To establish procedures for III MEF and MCIPAC-MCBB commands and activities within Japan to incorporate water safety training into all pre-holiday safety talks and stand-downs prior to commencement of liberty. This change transmittal provides updates guidance while participating in recreational water activities while impaired by alcohol, medication, or a controlled substance.

3. Execution

- a. Page 6 add the following paragraph as paragraph 4c(1)(a):


"(a) III MEF and MCIPAC-MCBB commands and activities shall include recreational water safety awareness training as a part of pre-holiday safety talks and stand-downs prior to commencement of liberty."

- b. Update the remaining paragraph numbers accordingly.

- c. Page 6 paragraph 4c(1)(f), update as follows:

"(f) Personnel shall not enter open water, operate a boat, personal watercraft, vectored thrust engine equipment, or SCUBA dive while impaired by alcohol, medication, or a controlled substance. Personnel are strongly discouraged from participating in all other recreational open water activities while impaired e.g. fishing, sightseeing, whale watching, etc. "Impaired" means any intoxication sufficient to degrade the rational and full exercise of the mental or physical faculties."

4. Filing Instructions. File this change transmittal page in front of the original Order.


P. M. DAWSON
Chief of Staff


C. L. WILLIAMSON
Chief of Staff

DISTRIBUTION: III MEF Lists I, II
MCIPAC-MCBB List B

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III MEF/MCIPAC-MCBBO 5101.1A

SAF

19 DEC 2016

III MARINE EXPEDITIONARY FORCE/MARINE CORPS INSTALLATIONS PACIFIC-MCB CAMP BUTLER ORDER 5101.1A W/CH 1

From: Commanding General, III Marine Expeditionary Force
Commanding General, Marine Corps Installations Pacific-MCB Camp Butler
To: Distribution List

Subj: RECREATIONAL OPEN WATER ACTIVITIES

Ref: (a) MCO 5100.29B
(b) MCO 5102.1B
(c) MCO 5100.30B
(d) MCO 3500.27C
(e) MCO 1700.39

Encl: (1) U.S. Military Sea Condition Information For Okinawa
(2) Hazardous Marine Life Found in Okinawa
(3) Dive Safety For Okinawa
(4) Diving Emergency Card

1. Situation. A high number of water-related mishaps involving Status of Forces Agreement (SOFA) personnel have occurred in open water in and around Okinawa and Marine Corps Air Station (MCAS) Iwakuni. A significant percentage of these mishaps caused fatalities, and the remainder required military and/or host nation emergency rescues.

2. Cancellation. III MEF/MCIPACO 5101.1.

3. Mission. This Order provides policy and regulations intended to promote safe open water recreation and reduce the number and severity of SOFA-status personnel water-related mishaps in Japan.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. III Marine Expeditionary Force (MEF) and Marine Corps Installations Pacific-MCB Camp Butler (MCIPAC-MCBB) shall preserve military readiness, protect the military force, and promote public safety, publish regulations and policies to ensure SOFA personnel in Japan safely participate in recreational open water activities with proper education, training, and equipment necessary for their activities.

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(2) Concept of Operations

(a) This Order applies to "recreational open water activities." The following definitions are provided within the context of this Order. "Recreational" is defined as an off-duty activity that is conducted for personal enjoyment. Examples of recreational water activities include, but are not limited to: operating watercraft, swimming, Self-Contained Underwater Breathing Apparatus (SCUBA) diving, snorkeling, free diving, kite boarding, surfing, stand-up paddle boarding, water jet pack operation, and waterskiing. "Open water" is defined as any body of water that is not a swimming pool and exceeds 24 inches in depth. Examples of open water include, but are not limited to: territorial seas, navigable waters, reservoirs, lakes, ponds, rivers, and streams.

(b) Paragraphs 4b, 4c(1), and 4c(2) of this order are lawful general orders. Those who fail to follow paragraphs 4b, 4c(1), and 4c(2) violate the Uniform Code of Military Justice (UCMJ) and may be held accountable under the UCMJ or subject to appropriate administrative action.

(c) III MEF and MCIPAC-MCBB members of the civilian component and dependents are reminded of their obligation to support this Order and are strongly encouraged to follow the water safety regulations in subparagraphs 4b, 4c(1), and 4c(2).

(d) The recreational water safety regulations in paragraphs 4b, 4c(1), and 4c(2) shall not be construed to prevent any subordinate commander within III MEF or MCIPAC-MCBB or the Director, Marine Corps Community Services (MCCS), from establishing Orders or Policies regarding recreational water safety, equipment rental, and related commercial matters. Subordinate Orders and Policies may be published to provide guidance on how to operate, safeguard, and control any MCIPAC-MCBB facility or area; protect public safety on any MCIPAC-MCBB facility or area; or ensure compliance with the laws of Japan.

b. Subordinate Element Missions

(1) Personnel Participating in Recreational Water Activities

(a) Personnel participating in recreational activities in open water shall use the "buddy system" so that two or more persons operate together to monitor and assist each other in the water.

(b) Personnel participating in recreational activities in open water shall comply with restrictions and other requirements associated with applicable sea conditions established by United States military authorities. Personnel shall not enter open water during periods of heavy rains where visibility is reduced, during the presence of thunder and lightning, or when local conditions result in the closure of a beach/coastal area. Sea condition information may be obtained by visiting Kadena Weather Flight 18th Operations Support Squadron web-site at:
<https://shogunweather.com/seaconditions/>.

(c) In Okinawa, personnel will not enter open water during "Sea Condition Danger" except under the following conditions:

1. Daytime swimming in designated swim areas on and off military installations when staffed by lifeguards and open for public use.

2. Professionally monitored athletic competitions staffed with trained rescue personnel (e.g., Dragon Boat Races, triathlons, open ocean swims).

3. Aboard Okuma, when the Okuma Commander/Deputy Commander authorizes water activities.

4. Aboard Torii Station, when the Garrison Commander authorizes water activities.

5. Aboard White Beach, when the Commander, Fleet Activities Okinawa authorizes water activities.

6. Professionally monitored water activities supervised by qualified officials of that activity (e.g., deep sea fishing, SCUBA diving and classes hosted by a certified dive professional).

(d) Personnel shall not enter open water without wearing or using safety devices/equipment required by law, regulation, contract, or vendor use policy for their specific water-related activities.

(e) Personnel participating in SCUBA diving in open water must be properly certified or participating in certification training by an internationally recognized SCUBA diver training organization.

(f) Personnel participating in kiteboarding or kitesurfing are required to have completed a certification training program which meets equivalent proficiency of Kiteboarder Level 2F as established by the International Kiteboarding Organization (IKO) or participating in certification training by an IKO certified instructor.

(g) To maintain buoyancy and facilitate any necessary rescue, personnel snorkeling, and free diving away from open water areas under lifeguard supervision shall wear appropriately-sized personal floatation devices (e.g., snorkeling vests).

(h) To prevent surfboard loss or strikes to others following any "wipeout," personnel must use surfboard leashes when surfing or wind surfing with any surfboard variation; including longboards, shortboards, and funboards.

(i) Personnel operating or riding on personal watercraft (e.g., "Jet Ski" or "Waverunner") shall wear United States Coast Guard approved, appropriately-sized life vests (or a Japanese Industrial Standards Committee compliant vest).

(j) Personnel operating personal watercraft shall each use a tethered lanyard or cord to disable the watercraft ignition should the operator fall off.

(k) Personnel operating or riding in sea kayaks, canoes, and other small boats on open water shall wear United States Coast Guard

approved, appropriately-sized life vests (or a Japanese Industrial Standards Committee compliant vest).

(l) Personnel shall not enter open water to participate in recreational activities between the periods of dusk until dawn unless certified and engaged in night time recreational SCUBA diving, participating in certification training by a internationally recognized recreational SCUBA diver training organization, or aboard a registered vessel equipped with a Global Positioning System (GPS), navigation light, and a radio to contact other vessels or emergency response agencies.

(m) Personnel using vectored thrust engine equipment designed to propel users in the air above or at the surface and subsurface of water (e.g., "Flyboards," "Water Jet Packs," "Aquaflayers," "Aquaboards," and "Jetovators") must follow manufacturer user manual safety and operating instructions and must use manufacturer required and recommended personal protective equipment. This requirement applies to rental equipment regardless of rental contract terms and conditions.

(2) Personnel Participating in SCUBA Diving

(a) Certified SCUBA instructors approved by the local MCCA SCUBA Program Office may train, instruct, or certify personnel aboard MCIPAC-MCBB and MCCA Okinawa facilities only when conducting courses for the MCCA SCUBA Program Office.

(b) Every MCCA instructional class and MCCA organized dive trip shall have readily available and usable oxygen. To administer emergency oxygen, staff shall have the following: an oxygen cylinder, a delivery device (e.g., a nasal cannula, resuscitation mask, non-rebreather mask or a bag value mask), a regulator with pressure gauge, and flow meter.

(c) Personnel participating in recreational SCUBA diving in open water must be properly certified or participating in certification training by an internationally recognized SCUBA diver training organization.

(d) Each diver will only rent equipment for his or her own personal use (one regulator system, one Buoyancy Compensator Device (BCD) and a maximum of four SCUBA cylinders). An individual may be allowed to rent more than one set of SCUBA life support equipment only if they are:

1. A certified SCUBA instructor approved by MCCA Program Office.

2. A spouse, parent, or legal guardian that is a certified diver renting equipment for a certified minor child or spouse. (Certification cards must be presented for each set of dive gear being rented.)

(e) It is prohibited to loan, rent, or purchase any SCUBA equipment for/to any individual who is not a certified diver or a student diver enrolled in a course of instruction.

(f) Personnel shall SCUBA dive within their certification level:

1. SCUBA divers with an open water certification shall not exceed a maximum depth of 60 feet

2. SCUBA divers with an advanced open water certification shall not exceed a maximum depth of 130 feet.

3. Technical scuba divers or technical scuba divers in training shall not dive deeper than their certification allows.

(g) Required minimum equipment for open water dives:

1. Mask with tempered safety glass lens.

2. Snorkel.

3. Fins.

4. BCD with low pressure inflation system, manual inflation system.

5. Quick release weight system.

6. Gas regulation system first and second stage.

7. Alternate breathing source (e.g., pony bottle, spare air, or octopus).

8. Submersible pressure gauge (either electronic or mechanical) for each cylinder of breathing gas.

9. Depth gauge (either electronic or mechanical) or dive computer.

10. Timing device (watch) or dive computer.

11. Audible signaling device (whistle).

12. Dive tool (either a dive knife or line cutter).

13. Compass.

14. Two dive lights (when participating in night diving).

15. A visual signaling device (e.g., Safety Sausage) (when participating boat diving).

(h) An emergency action plan covering rescue protocol, injuries, and medical emergency for each dive location is recommended. III MEF and MCIPAC-MCBB military personnel shall contact the emergency operator immediately in the event of a water related mishap by dialing 119, if off-base, 911 from an on-base landline, or 098-911-1911 from a cell phone.

(i) Personnel are prohibited from using SCUBA equipment that is unserviceable and poses a risk to the user.

(j) Personnel are prohibited from recreational SCUBA diving in the following areas:

1. Within 500 yards of Chimu Wan anchorage (Camp Courtney).
2. Within the MCAS Iwakuni port zone and surrounding restricted areas.
3. Within 500 yards of any pier, dock, or wharf in use.
4. Any established swimming beach where SCUBA diving is prohibited by beach regulations.
5. Within 1000 yards of ammunition demilitarization areas.
6. Within any body of fresh water such as a river, lake, reservoir, or dam.
7. Within 500 yards of any sewage or storm outlet.
8. Any underwater overhead environment and enclosed space without direct access to the surface.

c. Coordinating Instructions

(1) General Guidance

(a) III MEF and MCIPAC-MCBB commands and activities shall include recreational water safety awareness training as a part of pre-holiday safety talks and stand-downs prior to commencement of liberty.

(b) III MEF and MCIPAC-MCBB commands and activities shall report all water-related recreational mishaps and near misses involving active duty personnel in accordance with references (a) and (b).

(c) Personnel shall not intentionally touch, cover, uncover, collect, move, or disturb underwater unexploded ordnance. Personnel discovering such ordnance should note its location and report it to local police or military police as soon as practicable.

(d) To prevent risk of shallow water blackouts caused by cerebral hypoxia, personnel shall not intentionally hyperventilate before breath-hold diving or submerging under open water.

(e) Personnel shall not jump, dive, or swing into open water from trees, cliffs, bridges, towers, or any other natural objects or man-made land fixtures higher than 6 feet from the water surface.

(f) Personnel shall not enter open water affected by floods or tsunami waves.

(g) Personnel shall not enter open water, operate a boat, personal watercraft, vectored thrust engine equipment, or SCUBA dive while

impaired by alcohol, medication, or a controlled substance. Personnel are strongly discouraged from participating in all other recreational open water activities while impaired e.g. fishing, sightseeing, whale watching, etc. "Impaired" means any intoxication sufficient to degrade the rational and full exercise of the mental or physical faculties."

(h) Personnel shall not enter open water from closed beaches or coastal areas.

(i) Personnel shall not enter on or in frozen open water.

(2) Laws of Japan

(a) All SOFA-status personnel shall be licensed in accordance with the laws of Japan to operate privately-owned boats in Japan.

(b) All SOFA-status personnel shall also comply with Japan Fisheries Law and all other water-related regulations enforced by Japan's prefectures.

(3) Open Water Safety Recommendations. As a matter of policy for minimizing safety risk, all SOFA-status personnel in or around open water should:

(a) Learn to swim.

(b) Ensure there is a life guard present when conducting water activities with a novice or basic swimmer.

(c) Supervise young children and novice swimmers under their care at all times and, when in open water, be within an arm's reach.

(d) Before participating in water activities, notify family members, friends, or command representatives of their locations and expected return times and dates.

(e) Have immediately available or possess a cellular phone sealed in a buoyant, water-proof pouch. The phone should list preprogrammed emergency phone numbers.

(f) Stay away from coastlines during hazardous surf, typhoon conditions, and tsunami warnings.

(g) Wear head protection while surfing to guard against injuries from shallow reefs in the surf zone.

(h) Take a SCUBA review class prior to diving if a certified diver is inactive from the sport for several months.

(i) If new to local waters, certified divers should consider signing up for a "Discover Local Diving" excursion with a certified dive master prior to diving on their own.

(j) Not touch coral and hazardous marine life, including: sea anemone, cone shells, box jellyfish, blue ringed octopi, sea urchins, crown

of thorns, moray eels, fire coral, sea snakes, hydroids, stonefish, lionfish, barracuda, sharks, and Portuguese man-of-war.

(k) Be certified or trained in basic first aid and cardiopulmonary resuscitation.

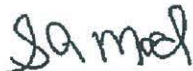
(l) Refrain from accessing fresh bodies of water north of Camp Hansen for recreational purposes which involve bodily entry into the water, due to the presence of leptospirosis and the risk it poses to humans.

5. Administration and Logistics. III MEF and MCIPAC-MCBB Battalion and Squadron Commanders shall ensure that copies of this Order are posted on their work center safety read boards and the recreational water safety regulations in paragraphs 4b, 4c(1), and 4c(2) are incorporated into unit recreation off-duty safety standard operating procedures.


6. Command and Signal

a. Command. This Order is applicable to members of the United States Armed Forces, members of the civilian component, and dependents assigned or attached to Marine Corps activities assigned to III MEF and MCIPAC-MCBB Commands on Okinawa, Combined Arms Training Center Camp Fuji, and MCAS Iwakuni.

b. Signal. This Order is effective the date signed.



S. A. MACKEY
Chief of Staff



D. L. ODOM
Chief of Staff

DISTRIBUTION: III MEF Lists I, II
MCIPAC-MCBB List B

U.S. Military Sea Condition Information For Okinawa

U. S. MILITARY SEA CONDITION INFORMATION FOR OKINAWA

Effective
01 May 2013

Condition Definitions

Sea Condition All Clear (SC-AC): Conditions which are ideal for water related activities.

Sea Condition Caution (SC-C): Hazardous conditions may exist. Exercise caution when entering the water.

Sea Condition Danger (SC-D): Life threatening conditions exist. Personnel may enter the water during Sea Condition Danger under the following conditions:

1. Recreational daytime swimming in designated swim areas on and off military installations when staffed by lifeguards and open for public use.
2. Professionally monitored athletic competitions staffed with trained rescue personnel (e.g. Dragon Boat Races, triathlons, open ocean swims).
3. Aboard Okuma when the Okuma Commander/Deputy Commander determines allowable water activities.
4. Aboard Torii Station when the Garrison Commander determines allowable water activities.
5. Aboard White Beach when the Commander, Fleet Activities Okinawa determines allowable water activities.

Criteria

SC-AC (All Clear): Wind speeds have been reported at less than 18 MPH (16 Knots). Locally assessed conditions are suitable for novice water enthusiasts intending to participate in the location's primary water activities.

SC-C (Caution): Wind speeds of 18 MPH (16 Knots) or greater, including gusts, have been observed for at least 3 hours. Locally assessed conditions warrant that individuals participating in water activities have extensive experience both in the planned activity and at the location.

SC-D (Danger): Wind speeds of 35 MPH (30 Knots) or greater, including gusts, have been observed and are to persist for at least 3 hours or during Tropical Cyclone Condition of Readiness (TCCOR) 2. Locally assessed conditions are dangerous and warrant restricting access to the water and removal of individuals from the water. Note - Military facilities will cease rental of water recreation equipment in SC-D. Swimming activities may continue at the discretion of the Recreation Director/Commander.

IMPORTANT NOTE: Conditions and criteria are based on a generalized evaluation and may not be consistent with the weather and sea state throughout the entire coastline of Okinawa. Therefore, personnel must be equipped to make an individual assessment of the hazards for their intended activity.

Sector Location

West Sector (W)
East China Sea

East Sector (E)
Pacific Ocean

West (W) - East China Sea shoreline, Hedo Point (Northern tip) west down to Cape Kiyan (Southern tip)

East (E) - Pacific Ocean shoreline, Hedo Point (Northern tip) east down to Cape Kiyan (Southern tip)

HAZARDOUS MARINE LIFE FOUND IN OKINAWA

Hazardous marine life in the waters of Okinawa is the same as you will find in sub-tropical areas of the Pacific. Prior to entering the water, divers should familiarize themselves with the common reef inhabitants.

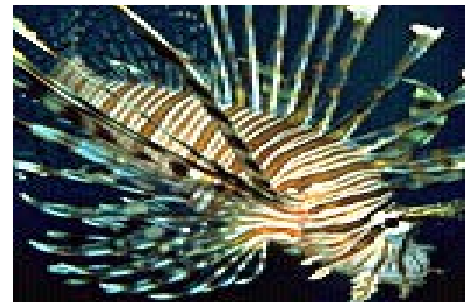
STONEFISH

The chances of being stung by a stonefish, probably the most dangerous fish in Okinawa waters, are fortunately not great enough to justify staying out of the Ocean. The main problem is that recognizing a stonefish, even if it is right in front of your eyes, is very difficult. Their camouflage is incredibly effective and only observers with a trained eye are likely to see them. Given this natural disadvantage, there are several things you can do to reduce the likelihood of standing on, sitting on, or accidentally touching one of these highly poisonous fish. One should always wear thick-soled shoes, dive boots, or reef-walking shoes while treading on the bottom. Whenever possible, swim rather than walk, thus reducing damage to the marine life and lessening the danger of being stung by a stonefish. When walking, it is a good idea to shuffle one foot in front of the other rather than to take big strides in which each foot is raised up and then placed down onto the sea bed with the risk of landing on a stonefish. The shuffle motion will increase the likelihood that you scare a stonefish away from your tracks rather than stepping on its potentially lethal spines. If a person is injured by a stonefish, seek medical attention without delay.



LIONFISH

Lionfish are beautiful and deadly. Their feather-like fins are brightly-colored and tipped with strong venom. Lionfish are secretive, hiding under ledges and in caves during the day. They are nocturnal predators, actively feeding at night. Lionfish feed on crabs, shrimps and small fish. A sting from a Lionfish is extremely painful, and victims must seek medical attention immediately. Soaking the limb in very hot water is recommended for first aid. Lionfish are popular aquarium pets. Caution should be used if you plan on keeping one as a pet. If a person is suspected to have been injured by a lionfish, seek medical attention without delay.



CONE SNAILS

In the dynamic marine environments in which the cone snail resides, it has been necessary for these snails to develop an effective mechanism for immobilizing their otherwise speedy prey. The solution to the snail's lack of physical agility has been the development of a highly potent concoction of toxins that it uses to paralyze its prey. Upon contact with the prey, the snail impales a harpoon like tooth into any exposed tissue and injects the venom. Some species of cone snails can cause serious injuries and even death to humans. If you collect seashells, do so with great care. If a person is suspected to have been injured by a cone snail, seek medical attention without delay.



SEA SNAKES

Sea snakes inhabit the tropical waters of the Indo-Pacific and are highly venomous. Sea snakes have flattened tails for swimming and have valves over their nostrils that are closed underwater. Due to their need to breathe air, they are usually found in shallow water where they swim about the bottom feeding on fish, fish eggs and eels. Sea snakes may be inquisitive, but are not considered aggressive unless threatened such as when caught in fishing net or handled roughly. If a snake should approach, do not panic, simply swim away. Very few sea snake bites occur around the world, and those that do, usually happen on trawlers; when the snakes are sometimes hauled in with the catch. Someone suspected of being bitten should be taken to the hospital without delay.



SEA URCHINS

Sea urchins are spiny little creatures that live along the bottom of virtually all-inshore areas of the Ocean. There are several different types in Okinawa, some with short stubby spines, some with long brittle spines, and many also have venom. Generally you don't have to worry too much if you are standing on sand; these creatures like the reef and rocks. Stepping on or even touching a urchin can not only drive a spine into flesh, but the spines are so brittle that they often break off in the wound and become infected easily. Use reef walker type shoes or dive boots while walking in shallow water or along the shoreline. Do not stand



or walk on coral. Not only do you kill the coral, but this is also a favorite place for sea urchins to live. Should you ever find that you have stepped on a sea urchin, and have a spine embedded in your skin, do not try to remove the spine with a needle or tweezers. This could cause the spine to break up and become more difficult to remove. The safest course of action is to seek medical attention.

CROWN OF THORN STARFISH

The only starfish on Okinawa to look out for would be the crown-of-thorns starfish. Their bodies are covered with sharp, pointed spines that have venom. Stepping on or bumping against these creatures will result in the spines penetrating the skin and venom injection. The pain can be intense, and severe reaction may result in nausea, vomiting or shock. You may need to seek medical treatment.



BLUE RINGED OCTOPUS

The blue ringed octopus is small and rarely is larger than a few inches from the tip of one tentacle across to the tip of the opposite tentacle. It is normally light colored with dark brown bands over each of its eight arms and body, with blue circles superimposed on the dark brown bands. When the octopus is threatened, the rings turn a brilliant electric-blue color, and it is this change that gives the animal its name.

The blue ringed octopus is very poisonous and should never be handled. The octopus has a parrot-like beak that contains a poison that could cause respiratory paralysis. Fortunately, your chance of seeing a blue ringed octopus is not likely; however, a child could mistakenly pick up this interesting looking octopus while searching through a tide pool. Parents should keep a very watchful eye on the things children pick up while at the Ocean. Someone suspected of being bitten should be taken to the hospital without delay.



BOX JELLYFISH

What is the most poisonous marine animal known to man? Well, some say the box jellyfish (locally known as the habu kurage) and perhaps for good reason. The sting from this creature is very painful and could possibly be life threatening. May through September is a time when the waters surrounding Okinawa become very



warm, and along with this warmth brings increase sightings of jellyfish. When heading to the Ocean during periods when jellyfish maybe abundant, use these common sense preventive measures:

- If jellyfish are washed-up onto shore, do not enter the water.
- Do not touch a jellyfish even though it is dead. The tentacles can still sting.

FIRE CORAL

Coral is extremely sharp, and the most delicate coral is often the most dangerous because of their razor-sharp edges. Coral cuts, while usually fairly superficial, take a long time to heal and can cause temporary disability. The smallest cut, if left untreated, can develop into a skin ulcer. Secondary infections often occur and may be recognized by the presence of a red and tender area surrounding the wound. All coral cuts should receive medical attention. Some varieties of coral (fire coral) can actually sting a diver since coral is a coelenterate like jellyfish. Some of the soft coral of the genus *Palythoa* have been found to contain the deadliest poison known to man. This poison is found within the body of the organism and not in the stinging nematocysts. The slime of this coral may cause a serious skin reaction (dermatitis) or even be fatal if exposed to an open wound. No antidote is known. If injured from contact with coral, clean wound with liberal amounts of fresh water and seek medical attention.



MORAY EEL

Eels are commonly found in holes and crevices or under rocks and coral. It is snake-like in both appearance and movement and has tough, leathery skin. It can grow to a length of 15 feet and has prominent teeth. Bites frequently result from reaching into a crevice or hole occupied by the eel. It is a vicious biter and may be difficult to dislodge after a bite is initiated. Bites from moray eels may vary from multiple small puncture wounds to the tearing, jagged type with profuse bleeding if there has been a struggle. Extreme care should be used when reaching into holes or crevices. Avoid provoking or attempting to dislodge an eel from its hole.



BARRACUDA

Approximately 10 species of barracuda inhabit the waters of Okinawa. The barracuda is a long, thin fish with prominent jaws and teeth, silver to blue in color, with a large head and a V-shaped tail. It may grow up to 10 feet long and is a fast swimmer, capable of striking rapidly and fiercely. They have been known to attack surface swimmers and limbs dangling in the water. Barracuda wounds can be distinguished from those of a shark by the tooth pattern. A barracuda leaves straight or V-shaped wounds, while those of a shark are curved like the shape of its jaws. Life threatening attacks by barracuda are rare. Barracuda are attracted by any bright object. Avoid wearing shiny equipment or jewelry (wedding rings or earrings).



SHARKS

Attacks on humans are infrequent. There have been no recorded shark attacks on swimmers or divers in Okinawan waters. Since 1965, the annual recorded number of attacks ranges from 40 to 100 worldwide with the majority occurring along the Florida coastline. Attacks, though rare, are usually provoked when the animal feels threatened. Injuries may result not only from bites, but also by coming in contact with the shark's skin. Shark skin is covered with very sharp dentine appendages, called denticles, which are reinforced with tooth-like centers. Contact with shark skin can lead to wide abrasions and heavy bleeding. Pre-attack behavior by most sharks is somewhat predictable. A shark preparing to attack swims with an exaggerated motion, its pectoral fins pointing down in contrast to the usual flared out position, and it swims in circles of decreasing radius around the prey.



Dive Safety For Okinawa

COMMUNITY RESOURCES

Divers Alert Network



www.diversalertnetwork.org

Tsunami Scuba

www.mcsokinawa.com/tsunamiscuba

Kadena Marina

www.kadenaf5s.com/rec/marina

Torii Beach Scuba Locker

www.toriihwy.com/scubalocker

REDUCE RISK OF DECOMPRESSION SICKNESS

Remember to ALWAYS

**Slowly
Ascend
From
Every Dive**

*Call immediately if you are
experiencing any of these signs
or symptoms:*

- + joint aches or pain
- + numbness or tingling
- + mottling or marbling of skin
- + coughing spasms or shortness of breath
- + itching
- + unusual fatigue
- + dizziness
- + weakness
- + personality changes
- + loss of bowel or bladder function
- + staggering, loss of coordination/tremors
- + paralysis
- + collapse or loss of consciousness

Know your dive tables

DIVE SAFETY

**OFF-BASE
EMERGENCY**



CALL 119

**ON-BASE
EMERGENCY**

CALL

911



098-911-1911

TSUNAMI SCUBA

KADENA MARINA

TORII BEACH SCUBA LOCKER

Dive Safety For Okinawa (Cont.)

Plan

- + Plan the dive and dive the plan

Equipment Check

- + Well before you dive, ensure equipment has been serviced and maintained properly
- + Check the batteries for your dive computer and underwater light
- + At the dive site, check that your equipment is working properly
- + Do a pre-dive safety check with your buddy ensuring all gear is properly assembled, functioning and that your air is turned on

Dive within your limits

- + Do not dive beyond your limits or personal comfort
- + If you are only qualified to dive to a certain depth, then ensure that your dive plan does not exceed that depth
- + This also applies to specialized diving that requires additional certification

Consult your gauges regularly

- + May sound obvious, but many accidents occur because divers don't stick to this basic rule
- + Follow the rule of thirds for air consumption (1/3 dive out, 1/3 dive back, 1/3 reserve)
- + From time to time, you and your buddy should ask each other how much air the other has left

Make sure you are ready to dive

- + Certified divers take a SCUBA Review class prior to diving if inactive from the sport for several months
- + In addition to your equipment, your body needs to be ready to dive
- + If you are feeling ill or otherwise unprepared to dive, listen to your body & don't dive!
- + It's better to postpone a dive if you are not feeling well

Check current conditions

- + Before you dive, check shogunweather.com
- + Check other online resources for the latest tide, wave and wind conditions
- + Military personnel are prohibited from diving in any underwater caves

Alcohol and diving don't mix

- + Alcohol increases your risk of decompression illness (DCI)
- + Avoid drinking alcohol the night before and immediately after a dive
- + Ensure at least 24 hours has lapsed between diving and flying



Test new equipment in a controlled environment

- + Always test new equipment in a controlled environment
- + The best option is to test equipment in a swimming pool
- + If not possible, then use it during an easy, shallow dive first

Be properly equipped

- + Military personnel are required to carry a compass, visual signaling device (when boat diving), an audible signal device and a dive tool/knife

Take responsibility

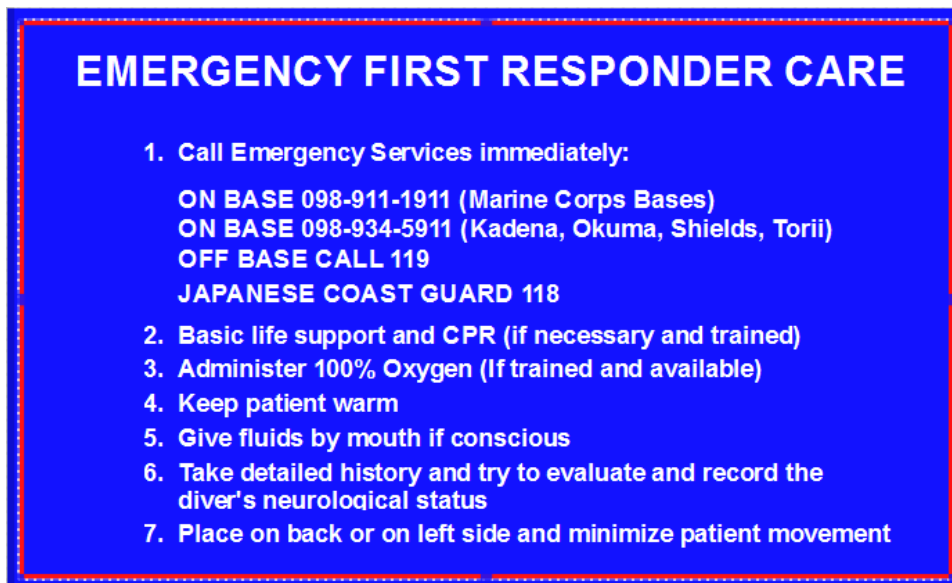
- + Before you dive, review the dive plan, signals and what to do if you get separated from your buddy
- + Remember to make a slow ascent and do a 3 minute safety stop at about 15 feet/5 meters
- + Remember you are ultimately responsible for your own safety—always:

**Slowly
Ascend
From
Every Dive**

DIVING EMERGENCY CARD



FRONT



BACK