Spring 2021 PADI Open Water Diver Certification Information

Dive Oahu will be providing a group discount for the PADI Open Water Scuba Course to all HPU students that want to attend. The course includes eLearning instructional materials, equipment rental (tanks, regulator, BCD, weights, wetsuit), two pool sessions over two days, and four open water boat dives over two days. The student will be required to provide Scuba quality mask, fins, and snorkel. Dive Oahu will provide a 15% discount to HPU students signed up for the course if they wish to purchase equipment at our Kaka'ako location, 609 Keawe St.

The course will start when the student signs up and pays for the course. They will be sent an eLearning code to complete the course work **PRIOR** to the first day of class. The eLearning Course takes approximately 8 to 14 hours. The schedule will be as follows:

- Wednesday, March 10th at 5 pm (location on HPU campus, TBA):
 - o 5:00 pm − 8:00 pm − Introduction, Quick Review quiz, gear tutorial, and mask/snorkel/fins check.
 - Must bring your completed/printed eLearning Record and mask/snorkel/fins
- Saturday, March 13th:
 - \circ 11 am 5:00 pm Swim test and confined water skills.
 - Must bring mask/snorkel/fins, swimsuit, and towel.
- Saturday, March 20th:
 - o 11 am − 5:00 pm − Completion of confined water skills not finished.
 - Must bring mask/snorkel/fins, swimsuit, and towel.
- Saturday, March 27th:
 - o 1:30 pm − 6:00 pm − Open Water Dives 1 & 2
 - Must bring mask/snorkel/fins, swimsuit, towel, and logbook (logbook given on orientation night).
- Saturday, April 3rd:
 - 1:30 pm 6:00 pm Open Water Dives 3 & 4
 - Must bring mask/snorkel/fins, swimsuit, towel, and logbook.

Cost of the course is $$335 + \tan x$. More info:

- Students must be able to answer 'NO' to all questions on the attached medical statement (document will be attached to enrollment confirmation email). If a student answers 'YES' to any of the questions, the student must have a doctor sign off on the medical statement.
- Must bring the completed/printed eLearning Record and mask/snorkel/fins to the first night of class.
- Student must be familiar with the **recreational dive planner and print it out** (I've attached a pdf version for you) on the first night of class. Students will need it for the Quick Review Quiz. I'll provide sample questions to all students when they sign up.
- Students must attend <u>ALL</u> sessions. Failure to attend a session may result in a make up fee of \$125 for each session needed.

Link to enroll:

https://fareharbor.com/embeds/book/diveoahu/items/78940/availability/603486074/book/?full-items=yes

Need more information?

Contact Sara Education Coordinator, Dive Oahu work cell: 808-388-8148







MEDICAL STATEMENT

Participant Record (Confidential Information)

Please read carefully before signing.

This is a statement in which you are informed of some potential risks involved in scuba diving and of the conduct required of you during the scuba training program. Your signature on this statement is required for you to participate in the scuba training program offered

by	Instructor		and
	IIIStructor		
	Facility		located in the
city of		, state/province of	

Read this statement prior to signing it. You must complete this Medical Statement, which includes the medical questionnaire section, to enroll in the scuba training program. If you are a minor, you must have

Diving is an exciting and demanding activity. When performed correctly, applying correct techniques, it is relatively safe. When

this Statement signed by a parent or guardian.

Divers Medical Questionnaire

To the Participant:

The purpose of this Medical Questionnaire is to find out if you should be examined by your doctor before participating in recreational diver training. A positive response to a question does not necessarily disqualify you from diving. A positive response means that there is a preexisting condition that may affect your safety while diving and you must seek the advice of your physician prior to engaging in dive activities.

	Could you be pregnant, or are you attempting to become pregnant? Are you presently taking prescription medications? (with the exception of birth control or anti-malarial)			
	Are you over 45 years of age and can answer YES to one or more of the following? • currently smoke a pipe, cigars or cigarettes • have a high cholesterol level • have a family history of heart attack or stroke • are currently receiving medical care • high blood pressure • diabetes mellitus, even if controlled by diet alone			
Have you ever had or do you currently have				
	Asthma, or wheezing with breathing, or wheezing with exercise?			
	Frequent or severe attacks of hayfever or allergy?			
	Frequent colds, sinusitis or bronchitis?			

Frequent or severe suffering from motion sickness (seasick, carsick, vears?

established safety procedures are not followed, however, there are increased risks.

To scuba dive safely, you should not be extremely overweight or out of condition. Diving can be strenuous under certain conditions. Your respiratory and circulatory systems must be in good health. All body air spaces must be normal and healthy. A person with coronary disease, a current cold or congestion, epilepsy, a severe medical problem or who is under the influence of alcohol or drugs should not dive. If you have asthma, heart disease, other chronic medical conditions or you are taking medications on a regular basis, you should consult your doctor and the instructor before participating in this program, and on a regular basis thereafter upon completion. You will also learn from the instructor the important safety rules regarding breathing and equalization while scuba diving. Improper use of scuba equipment can result in serious injury. You must be thoroughly instructed in its use under direct supervision of a qualified instructor to use it safely.

If you have any additional questions regarding this Medical Statement or the Medical Questionnaire section, review them with your instructor before signing.

Please answer the following questions on your past or present medical history
with a YES or NO. If you are not sure, answer YES. If any of these items apply to
you, we must request that you consult with a physician prior to participating in
scuba diving. Your instructor will supply you with an RSTC Medical Statement and
Guidelines for Recreational Scuba Diver's Physical Examination to take to your
physician.

Could you be pregnant, or are you attempting to become pregnant?	Dysentery or dehydration requiring medical intervention?
Are you presently taking prescription medications? (with the exception of	Any dive accidents or decompression sickness?
birth control or anti-malarial)	Inability to perform moderate exercise (example: walk 1.6 km/one mile
Are you over 45 years of age and can answer YES to one or more of the following? • currently smoke a pipe, cigars or cigarettes	within 12 mins.)? Head injury with loss of consciousness in the past five years?
have a high cholesterol level	Recurrent back problems?
have a family history of heart attack or stroke	Back or spinal surgery?
 are currently receiving medical care high blood pressure 	Diabetes?
diabetes mellitus, even if controlled by diet alone	Back, arm or leg problems following surgery, injury or fracture?
you ever had or do you currently have	High blood pressure or take medicine to control blood pressure?
Asthma, or wheezing with breathing, or wheezing with exercise?	Heart disease?
Frequent or severe attacks of hayfever or allergy?	Heart attack?
Frequent colds, sinusitis or bronchitis?	Angina, heart surgery or blood vessel surgery?
Any form of lung disease?	Sinus surgery?
Pneumothorax (collapsed lung)?	Ear disease or surgery, hearing loss or problems with balance?
Other chest disease or chest surgery?	Recurrent ear problems?
Behavioral health, mental or psychological problems (Panic attack, fear of closed or open spaces)?	Bleeding or other blood disorders?
Epilepsy, seizures, convulsions or take medications to prevent them?	Hemia?
Recurring complicated migraine headaches or take medications to prevent them?	Ulcers or ulcer surgery ?
Blackouts or fainting (full/partial loss of consciousness)?	A colostomy or ileostomy?
Franciant or course suffering from motion cickness (consider corricle	Recreational drug use or treatment for, or alcoholism in the past five

The information I have provided about my medical history is accurate to the best of my knowledge. I agree to accept responsibility for omissions regarding my failure to disclose any existing or past health condition.

Signature Date Date

STUDENT

Please print legibly. Birth Date __ Name _ Age ___ Mailing Address ____ State/Province/Region_ Country _____ Zip/Postal Code _____ Home Phone (Business Phone (FAX_ Name and address of your family physician Clinic/Hospital Address___ Date of last physical examination _____ Name of examiner_ Clinic/Hospital_____ Address Email ____ Phone (Were you ever required to have a physical for diving? $\ \square$ Yes $\ \square$ No If so, when?_____ **PHYSICIAN** This person applying for training or is presently certified to engage in scuba (self-contained underwater breathing apparatus) diving. Your opinion of the applicant's medical fitness for scuba diving is requested. There are guidelines attached for your information and reference. **Physician's Impression** ☐ I find no medical conditions that I consider incompatible with diving. ☐ I am unable to recommend this individual for diving. Remarks _____ Date ____ Physician's Signature or Legal Representative of Medical Practitioner Clinic/Hospital____ Address _____ Email _____ Phone (

Guidelines for Recreational Scuba Diver's Physical Examination

Instructions to the Physician:

Recreational **SCUBA** (Self-Contained Underwater Breathing Apparatus) can provide recreational divers with an enjoyable sport safer than many other activities. The risk of diving is increased by certain physical conditions, which the relationship to diving may not be readily obvious. Thus, it is important to screen divers for such conditions.

The RECREATIONAL SCUBA DIVER'S PHYSICAL EXAMINA-

TION focuses on conditions that may put a diver at increased risk for decompression sickness, pulmonary overinflation syndrome with subsequent arterial gas embolization and other conditions such as loss of consciousness, which could lead to drowning. Additionally, the diver must be able to withstand some degree of cold stress, the physiological effects of immersion and the optical effects of water and have sufficient physical and mental reserves to deal with possible emergencies.

The history, review of systems and physical examination should include as a minimum the points listed below. The list of conditions that might adversely affect the diver is not all-inclusive, but contains the most commonly encountered medical problems. The brief introductions should serve as an alert to the nature of the risk posed by each medical problem.

The potential diver and his or her physician must weigh the pleasures to be had by diving against an increased risk of death or injury due to the individual's medical condition. As with any recreational activity, there are no data for diving enabling the calculation of an accurate mathematical probability of injury. Experience and physiological principles only permit a qualitative assessment of relative risk.

For the purposes of this document, **Severe Risk** implies that an individual is believed to be at substantially elevated risk of decompression sickness, pulmonary or otic barotrauma or altered consciousness with subsequent drowning, compared with the general population. The consultants involved in drafting this document would generally discourage a student with such medical problems from diving. **Relative Risk** refers to a moderate increase in risk, which in some instances may be acceptable. To make a decision as to whether diving is contraindicated for this category of medical problems, physicians must base their judgement on an assessment of the individual patient. Some medical problems which may preclude diving are **temporary** in nature or responsive to treatment, allowing the student to dive safely after they have resolved.

Diagnostic studies and specialty consultations should be obtained as indicated to determine the diver's status. A list of references is included to aid in clarifying issues that arise. Physicians and other medical professionals of the Divers Alert Network (DAN) associated with Duke University Health System are available for consultation by phone +1 919 684 2948 during normal business hours. For emergency calls, 24 hours 7 days a week, call +1 919 684 8111 or +1 919 684 4DAN (collect). Related organizations exist in other parts of the world – DAN Europe in Italy +39 039 605 7858, DAN S.E.A.P. in Australia +61 3 9886 9166 and Divers Emergency Service (DES) in Australia +61 8 8212 9242, DAN Japan +81 33590 6501 and DAN Southern Africa +27 11 242 0380. There are also a number of informative websites offering similar advice.

NEUROLOGICAL

Neurological abnormalities affecting a diver's ability to perform exercise should be assessed according to the degree of compromise. Some diving physicians feel that conditions in which there can be a waxing and waning of neurological symptoms and signs, such as migraine or demyelinating disease, contraindicate diving because an exacerbation or attack of the preexisting disease (e.g.: a migraine with aura) may be difficult to distinguish

from neurological decompression sickness. A history of head injury resulting in unconsciousness should be evaluated for risk of seizure.

Relative Risk Conditions

- Complicated Migraine Headaches whose symptoms or severity impair motor or cognitive function, neurologic manifestations
- · History of Head Injury with sequelae other than seizure
- · Herniated Nucleus Pulposus
- · Intracranial Tumor or Aneurysm
- · Peripheral Neuropathy
- · Multiple Sclerosis
- · Trigeminal Neuralgia
- · History of spinal cord or brain injury

Temporary Risk Condition

History of cerebral gas embolism without residual where pulmonary air trapping has been excluded and for which there is a satisfactory explanation and some reason to believe that the probability of recurrence is low.

Severe Risk Conditions

Any abnormalities where there is a significant probability of unconsciousness, hence putting the diver at increased risk of drowning. Divers with spinal cord or brain abnormalities where perfusion is impaired may be at increased risk of decompression sickness.

Some conditions are as follows:

- · History of seizures other than childhood febrile seizures
- History of Transient Ischemic Attack (TIA) or Cerebrovascular Accident (CVA)
- History of Serious (Central Nervous System, Cerebral or Inner Ear) Decompression Sickness with residual deficits

CARDIOVASCULAR SYSTEMS

Relative Risk Conditions

The diagnoses listed below potentially render the diver unable to meet the exertional performance requirements likely to be encountered in recreational diving. These conditions may lead the diver to experience cardiac ischemia and its consequences. Formalized stress testing is encouraged if there is any doubt regarding physical performance capability. The suggested minimum criteria for stress testing in such cases is at least 13 METS.* Failure to meet the exercise criteria would be of significant concern. Conditioning and retesting may make later qualification possible. Immersion in water causes a redistribution of blood from the periphery into the central compartment, an effect that is greatest in cold water. The marked increase in cardiac preload during immersion can precipitate pulmonary edema in patients with impaired left ventricular function or significant valvular disease. The effects of immersion can mostly be gauged by an assessment of the diver's performance while swimming on the surface. A large proportion of scuba diving deaths in North America are due to coronary artery disease. Before being approved to scuba dive, individuals older than 40 years are recommended to undergo risk assessment for coronary artery disease. Formal exercise testing may be needed to assess the risk.

* METS is a term used to describe the metabolic cost. The MET at rest is one, two METS is two times the resting level, three METS is three times the resting level, and so on. The resting energy cost (net oxygen requirement) is thus standardized. (Exercise Physiology; Clark, Prentice Hall, 1975.)

Relative Risk Conditions

- History of Coronary Artery Bypass Grafting (CABG)
- Percutaneous Balloon Angioplasty (PCTA) or Coronary Artery Disease (CAD)
- · History of Myocardial Infarction
- · Congestive Heart Failure
- Hypertension
- History of dysrythmias requiring medication for suppression
- Valvular Regurgitation

Pacemakers

The pathologic process that necessitated should be addressed regarding the diver's fitness to dive. In those instances where the problem necessitating pacing does not preclude diving, will the diver be able to meet the performance criteria?

* NOTE: Pacemakers must be certified by the manufacturer as able to withstand the pressure changes involved in recreational diving.

Severe Risks

Venous emboli, commonly produced during decompression, may cross major intracardiac right-to-left shunts and enter the cerebral or spinal cord circulations causing neurological decompression illness. Hypertrophic cardiomyopathy and valvular stenosis may lead to the sudden onset of unconsciousness during exercise.

PULMONARY

Any process or lesion that impedes airflow from the lungs places the diver at risk for pulmonary overinflation with alveolar rupture and the possibility of cerebral air embolization. Many interstitial diseases predispose to spontaneous pneumothorax: Asthma (reactive airway disease), Chronic Obstructive Pulmonary Disease (COPD), cystic or cavitating lung diseases may all cause air trapping. The 1996 Undersea and Hyperbaric Medical Society (UHMS) consensus on diving and asthma indicates that for the risk of pulmonary barotrauma and decompression illness to be acceptably low, the asthmatic diver should be asymptomatic and have normal spirometry before and after an exercise test. Inhalation challenge tests (e.g.: using histamine, hypertonic saline or methacholine) are not sufficiently standardized to be interpreted in the context of scuba diving.

A pneumothorax that occurs or reoccurs while diving may be catastrophic. As the diver ascends, air trapped in the cavity expands and could produce a tension pneumothorax.

In addition to the risk of pulmonary barotrauma, respiratory disease due to either structural disorders of the lung or chest wall or neuromuscular disease may impair exercise performance. Structural disorders of the chest or abdominal wall (e.g.: prune belly), or neuromuscular disorders, may impair cough, which could be life threatening if water is aspirated. Respiratory limitation due to disease is compounded by the combined effects of immersion (causing a restrictive deficit) and the increase in gas density, which increases in proportion to the ambient pressure (causing increased airway resistance). Formal exercise testing may be helpful.

Relative Risk Conditions

- History of Asthma or Reactive Airway Disease (RAD)*
- · History of Exercise Induced Bronchospasm (EIB)*
- · History of solid, cystic or cavitating lesion*
- · Pneumothorax secondary to:
 - -Thoracic Surgery
 - -Trauma or Pleural Penetration*
 - -Previous Overinflation Injury*

- Obesity
- History of Immersion Pulmonary Edema Restrictive Disease*
- Interstitial lung disease: May increase the risk of pneumothorax
- * Spirometry should be normal before and after exercise

Active Reactive Airway Disease, Active Asthma, Exercise Induced Bronchospasm, Chronic Obstructive Pulmonary Disease or history of same with abnormal PFTs or a positive exercise challenge are concerns for diving.

Severe Risk Conditions

- History of spontaneous pneumothorax. Individuals who have experienced spontaneous pneumothorax should avoid diving, even after a surgical procedure designed to prevent recurrence (such as pleurodesis). Surgical procedures either do not correct the underlying lung abnormality (e.g.: pleurodesis, apical pleurectomy) or may not totally correct it (e.g.: resection of blebs or bullae).
- · Impaired exercise performance due to respiratory disease.

GASTROINTESTINAL

Temporary Risks

As with other organ systems and disease states, a process which chronically debilitates the diver may impair exercise performance. Additionally, dive activities may take place in areas remote from medical care. The possibility of acute recurrences of disability or lethal symptoms must be considered.

Temporary Risk Conditions

- Peptic Ulcer Disease associated with pyloric obstruction or severe reflux
- Unrepaired hernias of the abdominal wall large enough to contain bowel within the hernia sac could incarcerate.

Relative Risk Conditions

- · Inflammatory Bowel Disease
- · Functional Bowel Disorders

Severe Risks

Altered anatomical relationships secondary to surgery or malformations that lead to gas trapping may cause serious problems. Gas trapped in a hollow viscous expands as the divers surfaces and can lead to rupture or, in the case of the upper GI tract, emesis. Emesis underwater may lead to drowning.

Severe Risk Conditions

- Gastric outlet obstruction of a degree sufficient to produce recurrent vomiting
- · Chronic or recurrent small bowel obstruction
- · Severe gastroesophageal reflux
- · Achalasia
- · Paraesophageal Hernia

ORTHOPAEDIC

Relative impairment of mobility, particularly in a boat or ashore with equipment weighing up to 18 kgs/40 pounds must be assessed. Orthopaedic conditions of a degree sufficient to impair exercise performance may increase the risk.

Relative Risk Conditions

- Amputation
- Scoliosis must also assess impact on respiratory function and exercise performance.
- Aseptic Necrosis possible risk of progression due to effects of decompression (evaluate the underlying medical

cause of decompression may accelerate/escalate the progression).

Temporary Risk Conditions

· Back pain

HEMATOLOGICAL

Abnormalities resulting in altered rheological properties may theoretically increase the risk of decompression sickness. Bleeding disorders could worsen the effects of otic or sinus barotrauma, and exacerbate the injury associated with inner ear or spinal cord decompression sickness. Spontaneous bleeding into the joints (e.g.: in hemophilia) may be difficult to distinguish from decompression illness.

Relative Risk Conditions

- · Sickle Cell Disease
- · Polycythemia Vera
- · Leukemia
- · Hemophilia/Impaired Coagulation

METABOLIC AND ENDOCRINOLOGICAL

With the exception of diabetes mellitus, states of altered hormonal or metabolic function should be assessed according to their impact on the individual's ability to tolerate the moderate exercise requirement and environmental stress of sport diving. Obesity may predispose the individual to decompression sickness, can impair exercise tolerance and is a risk factor for coronary artery disease.

Relative Risk Conditions

- Hormonal Excess or Deficiency
- · Obesity
- · Renal Insufficiency

Severe Risk Conditions

The potentially rapid change in level of consciousness associated with hypoglycemia in diabetics on insulin therapy or certain oral hypoglycemic medications can result in drowning. Diving is therefore generally contraindicated, unless associated with a specialized program that addresses these issues. [See "Guidelines for Recreational Diving with Diabetes" at www/wrstc.com and www.diversalertnetwork.org.]

Pregnancy: The effect of venous emboli formed during decompression on the fetus has not been thoroughly investigated. Diving is therefore not recommended during any stage of pregnancy or for women actively seeking to become pregnant.

BEHAVIORAL HEALTH

Behavioral: The diver's mental capacity and emotional make-up are important to safe diving. The student diver must have sufficient learning abilities to grasp information presented to him by his instructors, be able to safely plan and execute his own dives and react to changes around him in the underwater environment. The student's motivation to learn and his ability to deal with potentially dangerous situations are also crucial to safe scuba diving.

Relative Risk Conditions

- · Developmental delay
- · History of drug or alcohol abuse
- · History of previous psychotic episodes
- · Use of psychotropic medications

Severe Risk Conditions

 Inappropriate motivation to dive – solely to please spouse, partner or family member, to prove oneself in the face of

personal fears

- · Claustrophobia and agoraphobia
- · Active psychosis
- · History of untreated panic disorder
- · Drug or alcohol abuse

OTOLARYNGOLOGICAL

Equalisation of pressure must take place during ascent and descent between ambient water pressure and the external auditory canal, middle ear and paranasal sinuses. Failure of this to occur results at least in pain and in the worst case rupture of the occluded space with disabling and possible lethal consequences.

The inner ear is fluid filled and therefore noncompressible. The flexible interfaces between the middle and inner ear, the round and oval windows are, however, subject to pressure changes. Previously ruptured but healed round or oval window membranes are at increased risk of rupture due to failure to equalise pressure or due to marked overpressurisation during vigorous or explosive Valsalva manoeuvres.

The larynx and pharynx must be free of an obstruction to airflow. The laryngeal and epiglotic structure must function normally to prevent aspiration.

Mandibular and maxillary function must be capable of allowing the patient to hold a scuba mouthpiece. Individuals who have had mid-face fractures may be prone to barotrauma and rupture of the air filled cavities involved.

Relative Risk Conditions

- · Recurrent otitis externa
- Significant obstruction of external auditory canal
- · History of significant cold injury to pinna
- · Eustachian tube dysfunction
- · Recurrent otitis media or sinusitis
- · History of TM perforation
- History of tympanoplasty
- History of mastoidectomy
- Significant conductive or sensorineural hearing impairment
- · Facial nerve paralysis not associated with barotrauma
- · Full prosthedontic devices
- · History of mid-face fracture
- · Unhealed oral surgery sites
- · History of head and/or neck therapeutic radiation
- · History of temperomandibular joint dysfunction
- · History of round window rupture

Severe Risk Conditions

- · Monomeric TM
- Open TM perforation
- · Tube myringotomy
- History of stapedectomy
- History of ossicular chain surgery
- · History of inner ear surgery
- · Facial nerve paralysis secondary to barotrauma
- Inner ear disease other than presbycusis
- Uncorrected upper airway obstruction
- · Laryngectomy or status post partial laryngectomy
- Tracheostomy
- · Uncorrected laryngocele
- · History of vestibular decompression sickness

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- Undersea and Hyperbaric Medical Society (UHMS) www.UHMS.org
- Divers Alert Network (DAN) United States, 6 West Colony Place, Durham, NC www.DiversAlertNetwork.org
- Divers Alert Network Europe, P.O. Box 64026 Roseto, Italy, telephone non-emergency line: weekdays office hours +39-085-893-0333, emergency line 24 hours: +39-039-605-7858
- Divers Alert Network S.E.A.P., P. O. Box 384, Ashburton, Australia, telephone 61-3-9886-9166
- Divers Emergency Service, Australia, www.rah.sa.gov.au/hyper-baric, telephone 61-8-8212-9242
- South Pacific Underwater Medicine Society (SPUMS), P.O. Box 190, Red Hill South, Victoria, Australia, <u>www.spums.org.au</u>
- 16. European Underwater and Baromedical Society, www.eubs.org

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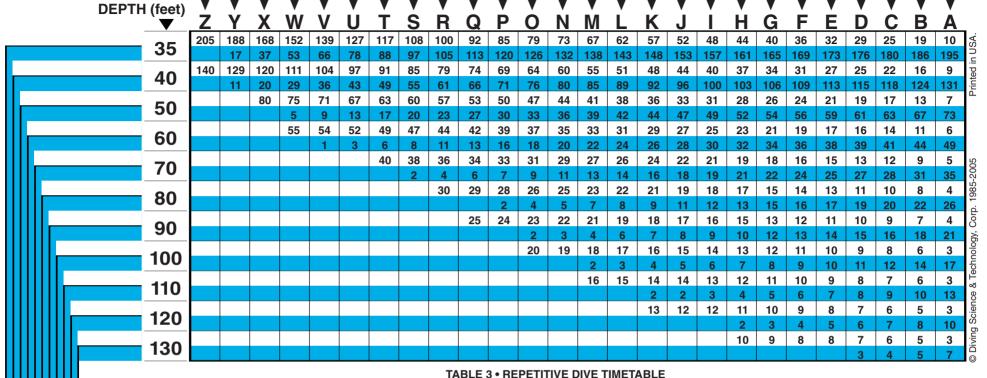
Diver's Alert Network (DAN) 6 West Colony Place Durham, NC 27705

RECREATIONAL DIVE PLANNER™ DIVING SCIENCE & TECHNOLOGY, CORP. **START TABLE 2** DEPTH (feet) 35 40 50 60 70 80 90 100 | 110 | 120 130 140 SURFACE INTERVAL CREDIT TABLE 0:00 Α 9 5 3 3 3 3 10 6 3:00 0:00 0:48 B 19 16 13 11 9 8 7 6 6 5 5 4 0:47 3:48 **PRESSURE** 0:00 0:22 1:10 GROUP ___ 25 22 17 12 9 8 7 6 6 5 14 10 0:21 | 1:09 | 4:10 0:09 0:31 1:19 29 25 10 8 7 7 6 19 16 13 11 9 0:08 0:30 1:18 4:19 0:00 0:08 0:17 0:39 1:28 7 32 27 21 10 9 8 17 15 13 11 0:07 | 0:16 | 0:38 | 1:27 | 4:28 0:00 0:08 0:16 0:25 0:47 1:35 0:07 0:15 0:24 0:46 1:34 4:35 36 31 24 19 12 9 8 8 16 14 11 10 0:07 0:14 0:23 0:32 0:54 1:42 G NO DECOMPRESSION 40 34 26 21 13 12 11 10 9 18 15 0:06 0:13 | 0:22 | 0:31 | 0:53 | 1:41 | 4:42 LIMITS 0:00 0:06 0:13 0:21 0:29 0:05 0:12 0:20 0:28 0:37 Н 0:38 Н 44 37 28 23 19 17 15 13 12 11 10 0:59 1:47 4:48 0:19 0:27 0:35 0:06 0:12 0:44 1:06 13 48 40 31 25 21 18 16 14 0:05 | 0:11 | 0:18 | 0:26 | 0:34 | 0:43 | 1:05 | 1:53 | 4:54 0:00 0:06 0:12 0:18 0:25 0:32 0:41 0:50 1:12 2:00 0:05 0:11 0:17 0:24 0:31 0:40 0:49 1:11 1:59 5:00 SAFETY STOP 52 44 33 27 22 19 17 15 12 REQUIRED 0:00 0:05 0:11 0:17 0:23 0:30 0:38 0:46 0:55 1:17 K 13 57 48 36 29 24 21 16 18 14 0:04 | 0:10 | 0:16 | 0:22 | 0:29 | 0:37 | 0:45 | 0:54 | 1:16 | 2:04 | 5:05 0:00 | 0:05 | 0:10 | 0:16 | 0:22 0:28 0:35 0:43 0:51 62 51 39 31 26 22 19 17 15 0:04 | 0:09 | 0:15 | 0:21 | 0:27 | 0:34 | 0:42 | 0:50 | 0:59 | 1:21 2:09 5:10 0:00 0:05 0:10 0:15 0:20 0:26 0:33 0:40 0:47 0:56 1:05 1:26 2:15 0:04 0:09 0:14 0:19 0:25 0:32 0:39 0:46 0:55 1:04 1:25 2:14 5:15 M 67 55 33 27 23 21 18 16 41 0:00 0:04 0:09 0:14 0:19 0:25 0:31 0:37 0:44 | 0:52 | 1:00 | 1:09 | 1:31 | 2:19 N 73 19 60 44 35 29 25 22 0:03 | 0:08 | 0:13 | 0:18 | 0:24 | 0:30 | 0:36 | 0:43 | 0:51 | 0:59 | 1:08 | 1:30 | 2:18 | 5:19 0:00 0:04 | 0:09 | 0:13 | 0:18 | 0:24 | 0:29 | 0:35 | 0:42 | 0:48 | 0:56 | 1:04 | 1:13 1:35 26 23 20 79 64 47 37 31 0:03 | 0:08 | 0:12 | 0:17 | 0:23 | 0:28 | 0:34 | 0:41 | 0:47 | 0:55 | 1:03 | 1:12 | 1:34 | 2:23 | 5:24 0:00 0:04 0:08 0:13 0:17 0:22 | 0:28 | 0:33 | 0:39 | 0:46 | 0:52 | 1:00 | 1:08 | 1:17 1:39 P 85 69 50 39 33 28 24 0:03 | 0:07 | 0:12 | 0:16 | 0:21 | 0:27 | 0:32 | 0:38 | 0:45 | 0:51 | 0:59 | 1:07 | 1:16 1:38 2:27 5:28 TABLE 1 0:56 1:04 1:12 1:21 1:43 2:31 0:00 | 0:04 | 0:08 | 0:12 0:17 0:21 0:26 | 0:31 | 0:37 | 0:43 0:49 Q **NO DECOMPRESSION** Q 25 92 42 35 29 74 53 0:03 | 0:07 | 0:11 | 0:16 | 0:20 | 0:25 | 0:30 | 0:36 | 0:42 | 0:48 | 0:55 | 1:03 | 1:11 | 1:20 | 1:42 | 2:30 | 5:31 **LIMITS AND GROUP** 0:00 0:04 0:08 0:12 0:16 0:20 0:25 0:30 0:35 0:41 0:47 0:53 1:00 1:08 1:16 1:25 1:47 2:35 **DESIGNATION TABLE** R R 30 100 79 57 44 36 0:03 | 0:07 | 0:11 | 0:15 | 0:19 | 0:24 | 0:29 | 0:34 | 0:40 | 0:46 | 0:52 | 0:59 | 1:07 | 1:15 | 1:24 | 1:46 | 2:34 | 5:35 0:04 0:07 | 0:11 | 0:15 | 0:19 | 0:24 | 0:28 | 0:33 | 0:39 | 0:44 | 0:50 0:57 | 1:04 | 1:11 | 1:19 | 1:28 1:50 85 60 47 38 108 | 0:03 0:06 0:10 | 0:14 | 0:18 | 0:23 | 0:27 | 0:32 | 0:38 | 0:43 | 0:49 | 0:56 | 1:03 | 1:10 | 1:18 | 1:27 1:49 2:38 5:39 0:00 0:03 0:07 0:11 0:14 0:18 0:23 0:27 0:32 0:37 0:42 0:48 0:54 1:00 1:07 1:14 1:23 40 117 49 91 63 1:13 1:22 1:31 0:02 | 0:06 | 0:10 | 0:13 | 0:17 | 0:22 | 0:26 | 0:31 | 0:36 | 0:41 | 0:47 | 0:53 0:59 1:06 1:53 2:41 5:42 0:03 0:07 0:10 0:14 0:18 0:22 0:26 0:30 0:35 0:40 0:45 0:51 0:06 0:09 0:13 0:17 0:21 0:25 0:29 0:34 0:39 0:44 0:50 0:56 0:57 1:03 1:10 1:18 1:26 1:09 1:17 1:25 1:34 1:35 1:57 2:45 127 67 52 97 0:02 1:02 1:56 2:44 5:45 0:17 0:21 0:25 0:29 0:34 0:38 1:13 1:21 1:29 0:00 0:03 0:06 0:10 0:13 0:43 0:48 0:54 1:00 1:06 139 104 71 54 0:09 | 0:12 | 0:16 | 0:20 | 0:24 | 0:28 | 0:33 | 0:37 | 0:42 | 0:47 | 0:53 | 0:59 0:02 0:05 1:12 | 1:20 | 1:28 | 1:37 | 1:59 | 2:47 | 5:48 1:05 0:00 0:03 0:06 0:09 | 0:13 | 0:16 | 0:20 | 0:24 | 0:28 | 0:32 | 0:37 | 0:41 | 0:46 0:51 0:57 1:03 1:09 | 1:16 | 1:24 | 1:32 | 1:41 2:03 2:51 152 111 75 0:12 | 0:15 | 0:19 | 0:23 | 0:27 | 0:31 | 0:36 | 0:40 | 0:45 | 0:50 | 0:56 | 1:02 0:02 | 0:05 | 0:08 1:08 1:15 | 1:23 | 1:31 | 1:40 | 2:02 | 2:50 | 5:51 0:00 0:03 0:06 0:09 0:12 0:16 0:19 0:23 0:27 0:31 0:35 | 0:40 | 0:44 | 0:49 | 0:54 | 1:00 1:06 1:12 1:19 1:27 1:44 2:06 168 | 120 | 80 0:02 | 0:05 | 0:08 | 0:11 | 0:15 | 0:18 | 0:22 | 0:26 | 0:30 | 0:34 | 0:39 | 0:43 | 0:48 | 0:53 | 0:59 | 1:05 | 1:11 | 1:18 1:26 1:34 1:43 2:05 2:53 5:54 1:09 1:15 1:22 1:30 1:38 1:14 1:21 1:29 1:37 1:46 1:03 1:47 2:09 2:57 188 | 129 1:08 2:08 2:56 5:57 0:09 0:12 0:15 0:18 0:21 0:25 0:29 0:32 0:36 0:41 0:45 0:50 0:55 1:00 0:11 0:14 0:17 0:20 0:24 0:28 0:31 0:35 0:40 0:44 0:49 0:54 0:59 1:05 0:00 0:03 0:06 1:06 1:12 | 1:18 | 1:25 | 1:32 | 1:41 | 1:50 | 2:12 | DISTRIBUTED BY 205 140 1:31 | 1:40 | 1:49 | 2:11 | 2:59 | 6:00 0:05 0:08 1:11 1:17 1:24 PADI AMERICAS, INC. В

RETURN TO

TABLE

ONE



The Recreational Dive Planner is designed specifically for planning recreational (no decompression) dives on air only. Do not attempt to use it for planning decompression dives.

Safety Stops — A safety stop for 3 minutes at 15ft is required any time the diver comes up to or within 3 pressure groups of a no decompression limit and for any dive to a depth of 100ft or deeper.

Emergency Decompression — If a no decompression limit is exceeded by no more than 5 minutes, an 8 minute decompression stop at 15ft is mandatory. Upon surfacing, the diver must remain out of the water for at least 6 hours prior to making another dive. If a no decompression limit is exceeded by more than 5 minutes, a 15ft decompression stop of no less than 15 minutes is urged (air supply permitting). Upon surfacing, the diver must remain out of the water for at least 24 hours prior to making another dive.

Flying After Diving Recommendations

For Dives Within the No Decompression Limits

- . Single Dives: A minimum pre-flight surface interval of 12 hours is suggested.
 - Repetitive Dives and/or Multi-day Dives: A minimum pre-flight surface interval of 18 hours is suggested.

For Dives Requiring Decompression Stops

. A minimum pre-flight surface interval greater than 18 hours is suggested.

Diving at Altitude — Diving at altitude (1000ft or higher) requires the use of special procedures.

Special Rules for Multiple Dives

If you are planning 3 or more dives in a day: Beginning with the first dive, if your ending pressure group after any dive is W or X, the minimum surface interval between all subsequent dives is 1 hour. If your ending pressure group after any dive is Y or Z, the minimum surface interval between all subsequent dives is 3 hours.

Note: Since little is presently known about the physiological effects of multiple dives over multiple days, divers are wise to make fewer dives and limit their exposure toward the end of a multi-day dive series.

General Rules

- Ascend from all dives at a rate not to exceed 60ft per minute.
- . When planning a dive in cold water or under conditions that might be strenuous, plan the dive assuming the depth is 10ft deeper than actual.
- · Plan repetitive dives so each successive dive is to a shallower depth. Limit repetitive dives to 100ft or shallower.
- Never exceed the limits of this planner and, whenever possible, avoid diving to the limits of the planner. 140ft is for emergency purposes only, do not dive to this depth.

White area indicates Residual Nitrogen Time (RNT) in minutes and is to be added to Actual Bottom Time (ABT).

Blue area indicates adjusted no decompression limits. Actual Bottom Time (ABT) should not exceed this number.

- Residual Nitrogen Time (RNT)
- + Actual Bottom Time (ABT)
- = Total Bottom Time (TBT)

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CAUTION: This product for use only by certified divers or individuals under the supervision of a certified scuba instructor. Misuse of this product may result in serious injury or death. If you are unsure as to how to properly use this product, consult a certified scuba instructor.

Product No. 66054 Ver 1.2 (Rev. 02/03)