

Why Dive Dry?

We often hear the question from divers "why dive dry". The answer to that question could be as varied as the number of styles and manufactures of dry suits that are out there. Let us start with some of the more common reasons that we may want to dive dry and explore them in a little more detail.

First, we say that we can start our dive season earlier and end it later than we might typically be able to do with a wet suit. Here in Central Ohio our dive season usually stretches from May through October for wetsuits. This gives us about six months to enjoy our local diving and then we either hang up our fins for the winter or travel to some warmer destination to stay active in the sport we all love so much. Rather than just extending our dive season reality is we can actually dive year around with a dry suit assuming there are no overhead environments involved such as ice unless of course you are trained to explore those types of environments. Being able to dive year round has now potentially doubled our available time to dive and that of course should make us all happy.

Secondly, diving dry allows us to dive in more comfort while extending the limits of normal recreational diving. For example when we are doing deeper diving such as exploring some deep wreck the water is typically colder at depth. As we dive deeper and stay longer, we typically incur some amount of decompression obligation. Completion of this decompression obligation often requires us to stay at a particular depth for some amount of time before moving to a shallower depth and starting the process of just hanging there all over again. During these periods of low activity, the diver would become chilled if they were not diving in a dry suit thus making the dive less enjoyable. As we all learned in our Open Water class, water conducts heat away from our bodies much faster than air so even warmer water, the Caribbean for example can start to chill the diver if they are exposed to this temperate water for a period of time. At least one dry suit manufacturer has developed a dry suit specifically for diving in this type of environment.

Thirdly, diving dry in colder water (below 60 degrees F) adds to the overall safety of the diver. Studies show that a cold diver uses up to 29% more air than a warm diver. This is due to the metabolism of the diver who is cold increasing as the body burns more calories in an attempt to maintain the proper internal core temperature. One of the things the body needs for this metabolic process is oxygen and if the body cannot take in enough oxygen to support the demands of exercise and this

metabolic process the body will feel fatigued. The dexterity in our hands can be affected by cold water. Without nutrients, oxygen, and warmth the muscles in our hands will not function properly. Memory is also affected by cold water exposure causing divers to have trouble concentrating on simple task and multiple task almost seem to become impossible. Some studies suggest that in water temperatures below 50 degrees F a diver's ability to perform complex task may be reduced by as much as 20% or more. If the diver becomes too chilled they may not be able to remember what task they were to complete on the dive or they may not remember the details of the dive. Decompression sickness is a potential problem that can be complicated by exposure to cold water. The diver's blood may thicken due to the loss of body fluids caused by urination and the breathing of cold air from our scuba cylinder. This loss of fluids results in poor blood circulation and this reduced circulation to your extremities is one of the factors that may make it more likely that you suffer from the bends.

This is just a couple of the reasons that we may want to dive dry. If you have an interest in dry suit diving or if you are already a dry suit diver make plans to attend our upcoming dry suit seminar 26-January-08 @ 6:30 PM to hear Dave Smith, our DUI sales representative talk about and answer all of your questions regarding dry suits. Don't forget that our seminars are FREE and there is always plenty of good food, drink, friends and fellow divers to socialize with.

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Travel Info

Grand Cayman - January 19th – 23rd, 2008 \$1025pp plus airfare. We only have a few spots left – call today!

Bonaire – March 22nd – 29th, 2008 – Reserve your spot today! \$799pp. Hurry this trip is filling fast!

Wakatobi – June 5th - 18th, 2008 - \$4999pp includes round trip airfare from LAX.

St. Lawrence – August 14th – 18th, 2008 - Don't miss the boat on this one – call today to reserve your spot!

Future trips... Grand Cayman, Key Largo, Turks and Caicos, Truk (Chuuk) Lagoon, Crystal River, New Jersey, North Carolina, St. Lawrence, Belize.

Winter Time Is A Great Time To Get Certified.

Save on your PADI Open Water Certification fee when you book your trip with us.

UPCOMING EVENTS FOR January 2008

January 24th – Dive Club Meeting

January 26th – Monthly Seminar

Aqua Immersion's Aquanauts Dive Club Meeting Report

Our next dive club meeting will be on Thursday, January 24 at 7:00 pm at the Winking Lizard - Bethel Road location. We will be discussing the dive club events for 2008. Dive Club Fees are due for 2008. If you have not attended one of our meetings make plans to do so. We have a great time - Great Food, Drinks and Company. Our dive club president, Jeff Dye, will be updating us on the delivery of the toys at Christmas. We want to thank each of you who participated in this event. Without you, we would not be successful. We had 40 members and friends attending last months meeting.

2008 Dive Club Calendar - All meetings will be held at the Winking Lizard on Bethel Rd. at 7:00pm. The dates are as follows:

January 24	July 24
February 28	August 28
March 27	September 25
April 24	October 23
May 22	November 20
June 26	December 18

AQUA IMMERSION NEWS

Didn't get that special gift for Christmas? Then what are you waiting for? New Products currently in stock include the Aeris new **CompuMask**, the new **DX 1G** camera with housing from Sea & Sea, the new **SlingShot** fins from AquaLung, the new **Aero FCS BCD** from Cressi, and the **TEK3** regulator system from APEKS just to name a few. We offer a full line of SeaLife camera products. Aqua Immersion offers one of the largest Dive Rite and DUI Dry Suit selections.

For all you specialty gas divers, Aqua Immersion is offers nitrox, trimix, argon, helium and oxygen (up to 100%) If you need technical dive gases, we have you covered. **Compare our fill costs to other locations, you will be surprised at the difference.**

IT'S DRY SUIT SEASON

Aqua Immersion has the largest in-stock dry suit selection in Central Ohio! Come in and try on your new dry suit today! We even have financing available for your dry suit purchase. DUI is now offering you up to 12 months same as cash - no interest! (With approved credit). What a better way to dive. Stop in today to order yours! We guarantee the best price in town on our dry suits as well as everything else in the store.

Aqua Immersion Dive Literature Library is growing!!!!

Come in, browse our books, and take one home for your reading pleasure. We have Children's books, fiction and non-fiction. Honor system check-out process.

Store Specials

Discover Scuba Diving Know someone who is interested in learning to dive? They can come in and "try it" free of charge. Then when they sign up for a class they will receive a discount and you will receive a referral point

January Special - Buy two Nitrox cards and receive one free when paying for your Nitrox class.

BOGO - Buy One Specialty Certification Get Another One for Half Price!

Aqua Immersion strives to be a dive center with the best customer service, quality and lowest prices in the area. If you find a better deal at another store let us know and we'll do our best to match it or beat it! Come in for details!

Seminar Series... Don't forget our next seminar will be on January 26, 2008 at 6:30pm. The topic for discussion will be **Dry Suit Diving**. Food and drinks will be provided. Whether you own a dry suit or thinking about buying one this seminar is for you.

Ohio Quarry Reports

Circleville Twin Quarries - Temperature is in the low 30's with excellent visibility. <http://www.twinquarries.com>

Portage Quarry and Recreation Club - Surface temp: Low 30's, Visibility: 20-30 feet. <http://www.portagequarry.com>

Lakeview Park - Lakeview's temperatures are in the low 30's.

Gilboa Quarry - Temp is low 30's <http://www.divegilboa.com>

Whitestar Quarry - Water temperature is in the 30's.- <http://www.whitestarquarry.com>

Training

- Bubblemaker & PADI Seal Team
- Junior Open Water
- Junior Advanced Open Water
- Open Water
- Advanced Open Water
- Specialty Diver - Night Diver, Dry Suit Diver, Wreck Diver, Peak Performance Buoyancy Control, Underwater Photography & Videography, Boat Diver, Drift Diver, Underwater Naturalist, Underwater Navigation, Altitude Diver, AWARE Coral Reef Conservation, AWARE Fish Identification, Enriched Air Diver, Deep Diver, DPV Diver, Multilevel & Computer Diver, Solo Diver, Gas Blender, Decompression Theory & Advanced Nitrox Diver, Rebreather Training (closed & semi-closed), Trimix Diver
- Scuba Tune-up
- Emergency First Response/Medic First Aid
- Oxygen Provider
- Master Scuba Diver
- Rescue Diver
- Divemaster
- Open Water Scuba Instructor
- Master Scuba Diver Trainer

Training agencies utilized: PADI (Professional Association of Diving Instructors,) TDI (Technical Diving International,) SDI (Scuba Diving International,) ERDI (Emergency Response Diving International)

Service

- Air, nitrox, trimix, argon and oxygen fills **Nitrox fills are only \$12.00 (up to 40%) and there is no need to have your tank O2 cleaned to get a Nitrox fill.** Ask about our fill card special!
- Cylinder visual inspections, valve repair, eddy current, oxygen cleaning, tumbling and hydrostatic testing
- Rental gear
- Our service technician is trained to service all lines of gear.

For you seasonal divers now is the perfect time to bring in your dive gear to be serviced so you are ready when the next season starts.

Just a reminder if you are planning a dive trip, have your gear serviced first so you can enjoy your diving.

Did You Know..... there are several specialties that you can earn during the winter months that don't require open water dives such as equipment specialist, Nitrox specialty, CPR, and gas blending just to name a few. We will be holding these classes on a regular basis. If there is a certain class you would like to take contact us and we can get it scheduled.

2007/2008 Class Schedule

**OPEN WATER DIVER COURSE
(CLASSROOM/POOL SCHEDULE)**

JANUARY 2008

Class # OWQ080105, 10am-4pm, Jan. 5 & 6

Class # OWB080108, 6-9pm, Jan. 8, 10, 15, & 17

Class # OWA080109, 6 - 9pm, Jan. 9, 16, 23, & 30

Class # OWQ080119, 10am - 4pm, Jan. 19 & 20

FEBRUARY 2008

Class #OWQ080202, 10am-4pm, Feb. 2 & 3
 Class #OWA080204, 6 - 9 pm, Feb. 4, 11, 18, & 25
 Class #OWB080212, 6 - 9pm, Feb 12, 14, 19 & 21
 Class #OWQ80216, 10am-4pm, Feb. 16 & 17

**OPEN WATER DIVER COURSE
 (OPEN WATER DIVE SCHEDULE)**

Class #OWD080119, Jan. 19 - 23, Open Water Dives 1, 2
 3 & 4, Grand Caymans, Inst. Brad

REFERRALS ARE PROVIDED IN THE WINTER MONTHS OR
 JOIN US ON ONE OF OUR MANY ISLAND TRIPS.

ADVANCED OPEN WATER DIVER COURSES

Advanced Open Water Training will resume in the Spring.
 However, if you are interested, we will be providing open
 water training on our monthly trips this winter.

RESCUE DIVER COURSES

JANUARY 2008

Class #RD080125, 6-9pm Jan. 25 Lecture
 10am-5pm, Jan. 26

FEBRUARY 2008

Class #RD080222, 6-9pm Feb. 22 Lecture
 10am-5pm, Feb. 23

SPECIALTY DIVER COURSES

JANUARY 2008

Class # ES080109, Equipment Specialist, 6-9pm, Jan. 9
 Class # EA080112, Enriched Air, 10am-2pm, Jan. 12
 Class # ET080113, Equip Service Tech, 1pm-5pm, Jan. 13
 Class # EA080122, Enriched Air, 6 - 10pm, Jan. 22
 Class #EFR080126, Emergency 1st Aid/CPR, Jan.26, 1-4pm

FEBRUARY 2008

Class # ES080202, Equipment Specialist, 10-4, Feb. 3
 Class # GB080209, Gas Blending, 10am-3pm, Feb. 9
 Class # ET080210, Equip Service Tech, 1-6pm, Feb. 10
 Class # EA080216, Enriched Air, 12-5pm, Feb. 16
 Class # EA080220, Enriched Air, 6 - 10pm, Feb. 20
 Class #EFR080223, Emergency 1st Aid/CPR, Feb.23, 12-5pm
 Class #AGB080224, Advanced Gas Blending, 1-5pm, Feb. 24

*If interested in any other type of course not scheduled
 here, please call or come by the store; many courses are
 not pre-scheduled and are set up on an as needed basis.*

DISCOVER REBREATHERS

Our next Discover Rebreather class will be
 offered February 17th. Limited space
 available so call today to schedule your spot.

WATER AEROBICS

Now offering Water Aerobics!!!

Join us for fitness and fun! Water Aerobic
 classes are being held 4 times each week in
 our pool. Come in today to pick up a schedule
 or call to schedule a class! \$15/class or
 \$75/six classes.

PADI SEAL TEAM

PADI Seal Team – Now in session for
 ages 8 -12. Meeting once a month, the
 Seal Team is working on the history of
 diving timeline for the showroom, building
 an artificial reef for the pool to use for
 photography courses, and on just having
 fun in the water. Call for more info.



Oceans for Youth Foundation was founded by Wayne Hasson, a SCUBA diver of 40 years and an advocate for the protection of all aspects of the oceans, as most SCUBA divers are. He has put together a program for the volunteers of the foundation to present educational materials about the oceans to groups of kids of all ages to understand the importance of protecting our seas.

Oceans for Youth is a 501 (c) (3) non -profit organization that inspires youth to care about our oceans and marine creatures. The more children and young adults understand about the ocean and the ocean environment, the more prepared they will be to make decisions to protect it.

As these children grow and become the leaders of our society, they will be more apt to choose the policies and programs that will do the most good for the environment, having had the exposure to the information at a young age.

Many notable people are on the advisory committee for the foundation, including Jean-Michel Cousteau and Dr. Guy Harvey. Some of the sponsors are AquaLung America, Dive Training Magazine, Aggressor Fleet Ltd., DEMA, PADI, Tabata, SDI/TDI International, AERIS, and many others.

Aqua Immersion has an Ocean for Youth Foundation volunteer on staff, ready to come to your school, organization, or group, to present the educational materials available. The program can be as long or short as you need it and about any aspect of the ocean and its environment. We have had positive feedback from the presentations so far and are looking forward to many more in the future.

"The future lies in our youth and their understanding of our oceans."

-From the Oceans for Youth Foundation brochure

WHAT'S HAPPENING IN FEBRUARY.....

February 23, 2008 Monthly Seminar

February 28, 2008 Dive Club Meeting

Aqua Immersion

929 Jasonway Ave. Suite A
Columbus, Ohio 43214
Phone - (614) 457-DIVE (3483)
Fax - (614) 457-3485
Toll Free 1(877) DIV-AQUA
(1-877-348-2782)
info@aquaimmersion.com

Web Site coming soon!!!
www.aquaimmersion.com
Currently under construction

Store Hours:
Monday through Friday 10am - 8pm
Saturday 10am - 6pm
Sunday 1pm - 6pm