

June 2022



# Lunarfins Scuba Club

**Next Meeting: Tuesday, June 21 at 6:30 p.m.**

**This will be a hybrid with the Reuland's and Dennis Deavenport**

We have a special event, we have 2 presenters, the Reuland's and Dennis Deavenport. Tom and Cindy's trip to Papua New Guinea how they traveled to this beautiful country. Learn a few Travel tips, view a professional video of the trip to see if it will make it to your top 10 list of places to dive and visit! It is a country of thousands of islands rarely visited. You will see diving, Islands, native people who traveled miles on foot or by boat to see us, and some rare events like a fire dance!

Dennis will follow up by promoting the Philippine trip with the dive resort. Should be a great opportunity to see some awesome videos. You don't want to miss this.



Join Zoom Meeting [https://us02web.zoom.us/j/82759900375?](https://us02web.zoom.us/j/82759900375?pwd=eEcVVFIsN1FjU3NaSHZ0T1J5MnREZz09)  
[pwd=eEcVVFIsN1FjU3NaSHZ0T1J5MnREZz09](https://us02web.zoom.us/j/82759900375?pwd=eEcVVFIsN1FjU3NaSHZ0T1J5MnREZz09)  
Meeting ID: 827 5990 0375 Passcode: 594562

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Bill Jones,  
Mike Peters, Ja Van  
Pruett, Cindy Reuland,  
Brion Saathoff



**Lunarfins**  
P.O. Box 57514  
Webster, TX  
77598-7514



**Lunarfins Board Meetings**  
are held each month  
(except December) at 6:30 PM



**Will be ZOOM only**

*If you have an item to bring before the board,  
contact any board member to get on the agenda.*



## Events Calendar

(Tentative plans)

### Membership

**2022 Membership dues are  
Now being accepted.**

Membership runs from April 1st, 2022 to March 31st 2023

The renewal form is required  
each year in February.

*Please bring the form (below) to  
the next meeting or mail it in.*

*Please fill in all fields completely  
so that records can be verified  
this time around.*

*Don't forget to check your  
interest (s) and if you want to  
be included in the directory.*

**Membership Application**

<https://www.lunarfins.com/>



**Jun. 21st — General Meeting — Tom & Cindy Reuland —  
Papua New Guinea & Dennis Deavenport — Philippine  
Trip**

**July — TBA— Discussion at the June 21st meeting about  
Dolphin Tour and Lunch**

**Jul. 19th — General Meeting — JC Andrews — Socorro Island  
Trip**

**Aug. 16th — General Meeting — Robert Gardiner — Deep  
Zone Aquatic Center**

**Sept. 20th — General Meeting — Georgia Neblett — Amos  
Rehabilitation Keep (ARK) Tours**

*Folks! Please remember, the more you volunteer for leadership  
or to be in charge of an event. The more you enjoy your club.*

### ELECTED OFFICERS

President	Cindy Reuland
Vice President	Ja Van Pruett
Secretary	Deana Coale
Treasurer	John Gorman
Social Director	Brion Saathoff

### APPOINTED

Training information	Bill Jones
Trip information	<b>OPEN</b>
TGCC Representative	Tom Burns
Advisor	Dennis Deavenport
Advisor	PeeWee Dwire
Advisor	Mike Peters
Newsletter	Ja Van Pruett
Tom Burns	Website

**Do you have  
any ideas for  
event or**

**Topics for  
Speakers for  
2022?**

**Please share  
them with any  
of our  
officers.**

## Lunarphins President's Notes

June 2022

Welcome!

Enjoying diving during this Summer!? Share your diving fun! In May, we learned about blackwater diving with Sage Holt who showed some phenomenal photos! If interested, check out the opportunities to do a blackwater trip with the Fling! Unfortunately, we booked the wrong date for the meeting room and ended up in the open area which is not ideal. We have found a new location and plan to try it out in June. So come out and let us know how you like it. It will be very helpful to get input. It will be great to have new folks to work with in a diving atmosphere (fish themed restaurant) in a private room. Our speakers will be the Reulands and Dennis Deavenport. We also plan to finish our raffle for the beautiful photo. If you bought tickets at the last meeting bring them or let Ja Van know what your numbers are so you can participate.

The pool party to send off Jim Carmin, our local Mammoth diver, was a great success. We had a big group and all enjoyed cooling off and socializing. Tom Reuland shared his underwater photo book from his Facebook postings. It turned out beautifully if you ever want to try that. We will miss Jim and hope to have a trip to Cabo to see him again! If you want to dive Mammoth, let us know as we are looking for more divers.

We will choose dates to have a boat tour of Galveston on the Baywatch Dolphin tour (\$20 for 30 minute tour) and then have lunch afterwards. The narrated tours give historical facts of the harbor and of common & bottlenose dolphins. The boat is covered and easy for all to do and located at 2101 Harborside drive Galveston. We can book online if we all choose a time at the June meeting. [www.baywatchdolphintours.com](http://www.baywatchdolphintours.com)

If you would like to go on a Lunarphins dive trip next year let us know where you would like to go. We are looking into the Philippines and other ideas are welcomed. This year join Bill Jones in his Cozumel trip coming up in July! Bill is also planning a Open Water class soon so let him know if you are interested.

See you soon at the next June meeting in the **New** location **Good Vibes Coastal Kitchen** 1329 E. Broadway St, Pearland TX 77581. [www.goodvibescoastalkitchen.com](http://www.goodvibescoastalkitchen.com).

Don't go to the old location and miss us!

Cindy Reuland

2022-2023 President



# Thank you

**Our speakers for May meeting was Sage Holt**, lives in Austin and drove in for our meeting to give an awesome presentation on Blackwater diving, she explained what blackwater diving is and how it is done.

Sage shared her outstanding photography

**If you missed there presentation, I am so sorry for you.**





## **A new place — Good Vibes Coast Kitchen**

**Be sure to check out their menu**

**<http://www.goodvibesbar.com/menu.html>**

**June 21st, 6:00pm**

**Come at 6pm– order off menu, 6:30—7 pm announcements & social.**

**Speaker start at 7:00 pm**

**1329 E Broadway St, Pearland, TX 77581**

### **Pending Events**

## **21<sup>th</sup> Annual Bill Jones 2022 COZUMEL Vacation Package**

NON-STOP Flight Departing from HOUSTON's Bush Intercontinental Airport.  
Other Departure Cities are Available.

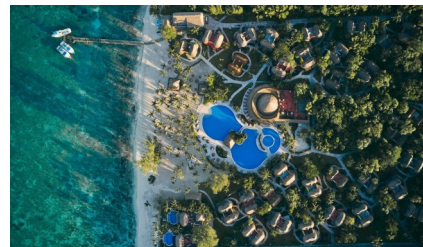
**July 2022 for 8 Days, 7 nights**

**for approximately \$1199 pp, dbl occ, tax incl.**

**Less than \$150 per day**

**DIVING IS NOT INCLUDED or Required**

Tickets will go on-sale in January 2022



### **Staying at the fabulous IBEROSTAR COZUMEL RESORT**

**The Annual Bill Jones Cozumel Vacations Group Package Price INCLUDES:**

Round Trip Air Fare, Round Trip Ground Transportation, Length of Stay

**All-Inclusive Hotel Accommodations**

**ALL YOU CAN EAT AND DRINK**

**All Taxes, Exit Fees, and Gratuities**

**For Detailed Information, Contact: [Mr.Bill.Jones@comcast.net](mailto:Mr.Bill.Jones@comcast.net)**

**All Taxes, Exit Fees, and Gratuities**

# About our Members



**Congratulations!**  
**JC Andrews**

**On new job — starting June 13, 2022**

**Congratulations!**  
**Paul Cater Deaton**



## Flower Garden's News—Fish ID Classes

Looking for a way to enhance your dive experience? Join us for a Fish ID Class!

**June 29, 6-9 p.m.**

**Bakfish Brewing Company, Pearland, TX**

Or

**July 20, 6-9 p.m.**

**Penny's Beer Garden, Dickinson, TX**

Learn how to identify different fish families and species common to Flower Garden Banks National Marine Sanctuary (and the rest of the Caribbean). As an added bonus, we'll share information on fish survey techniques that you can use on any dive (or snorkel), anywhere!

It's as easy as 1-2-3!

Learn to identify a few more fish than you know now

Record those species while diving

Upload your survey information to REEF's online database

Each participant will get to play a few games of Fish-O, to practice, and receive a free REEF

Survey Project Starter Kit (\$25 value).\*

Make your diving even more enjoyable and make it count at the same time!

To sign up for either of these in-person classes, please email [Kelly.Drinnen@noaa.gov](mailto:Kelly.Drinnen@noaa.gov). Please also contact Kelly if you would be interested in an online class.

*\*The class is free. Snacks and beverages will be available for purchase. Limit of 20 survey kits per class.*



The 31 BILLION DOLLAR "IKE DIKE" COASTAL BARRIER PROJECT has been approved by the House of Representatives & is in committee in the Senate. This proposes to construct a coastal barrier of dikes & gates that can be closed during a hurricane to protect Texas lives, property, & our invaluable Texas oil & petrochemical industries & jobs, plus our all-important medical center (that has flooded in past hurricanes). Hurricanes are increasing in strength & frequency. We need to improve our protection from disastrous flood losses.

This massive project requires federal funding in order to protect our densely developed South-east Texas coast. Our local coastline & the Houston ship channel are the largest US ports for both oil & shipping worldwide manufactured products, (including food).

Immensely Important



For more information **please** visit: [https://www.tamug.edu/ikedike/About\\_Ike\\_Dike.html](https://www.tamug.edu/ikedike/About_Ike_Dike.html)



# Brion Sathhoff's Corner

Hello Lunar Fins family,

I hope everybody is enjoying a great beginning of their summer. While doing research on the ghost shark A while back I found something that piqued my interest It seems that deep sea organisms tend to grow larger than many of their cousins from the shallows. The reasons tend to remain a mystery but the phenomenon has been given the name Deep Sea Gigantism. I found a number of theories that tried to explain this phenomenon.

## **Kleibers Rule**

### **LARGER ANIMALS ARE MORE EFFICIENT**

Kleiber's rule states that animals that are larger will tend to be more efficient this can be demonstrated by comparing a whale to a small fish, The whale with a mass hundreds of times larger than that of the fish will have a greater metabolism, The smaller surface area to volume ratio gives the whale the advantage of conserving greater energy with less energy lost to the surroundings through heat. in the deep the food is scarce with most of the nutrients falling as marine snow- a trickle of organic debris from the shallower waters. Thus, food is scarce, so there is an incentive to conserve this energy into grow larger.

Furthermore larger animals have the ability to ingest larger prey. they will be more likely to survive environmental extremities or attacks from predators and are able to cover long distances in search of food or a mate reproductive success is also therefore aided by an organism being larger.

## **Bergman's Rule**

### **SEA ANIMALS GROW LARGER IN COLD CLIMATES**

Bergeron's rule states that sea animals tend to increase in body size with a decrease in temperature. this matches observations in colder regions like the Arctic deep, where some of the largest ocean creatures like Greenland sharks in giant sea spiders are found. The low temperatures lead to their cells growing larger by slowing their metabolic rate, the cold also means creatures in such climates have longer life spans.

Slowed metabolism's cause polar creatures to live in relative slow motion and the rich supply of oxygen found in cold water allows them to grow to gigantic sizes.

## **The Island Rule**

### **DEEP SEA ISOLATION**

In 2006, biologist Craig R McClain investigated the gradient from the shallows to the deep sea. His findings seem to mirror the framework of terrestrial islands, where these isolated areas of land develop indigenous biodiversity. More specifically, he found that the deep sea seems to mirror the Island Rule, an idea that small bodied life on islands grows much larger in its isolation than life on major land masses, due to limited resources, predation and competition. According to McClain the deep sea is functionally similar to an island.

The deep also has its limited resources, few predators, and is isolated from the shallows. It follows that the diversification of life in the deep mirrors that on islands-the isolated communities develop larger body sizes into response to the conditions stated above.

I found this to be a very interesting topic and anyone that would be interested would be encouraged to delve deeper into deep sea gigantism to learn more on their own as this article has just scratched the surface.

Thank you for reading and I hope everybody has a great summer, get in the water as much as possible that's what we do.

*Brion Saathoff.*

## Events You Might Be Interested In

**Mammoth Lake Texas  
and  
CHUM – Houston's SCUBA Club**



**present**

**MOVIE NIGHT AT MAMMOTH LAKE  
June 25<sup>th</sup> 8:30 pm**

**Admission**  
**-FREE if you pay to dive earlier & then stay**  
**-\$10 for movie only, after 6:00 pm**

**BYOT – Bring a tube for yourself and one for  
your cooler with your food and beverages**

**Shark-free lake, guaranteed!**



### REEF Florida Keys Lionfish Derby & Festival

**September 8-11, 2022**

You're invited to the 2022 REEF Florida Keys Lionfish Derby & Festival!

This year's event includes two full days of lionfish hunting, followed by a family-friendly **lionfish festival** hosted at **Postcard Inn Beach Resort & Marina in Islamorada on Sunday, Sept. 11 from 11am-3pm**. The festival is free and open to the public, and features lionfish tastings, drink specials, demonstrations, games, interactive booths from environmentally-minded vendors, and live music.

Go to the following website for more details:

<https://www.reef.org/events/florida-keys-lionfish-derby-festival-2022><https://www.reef.org/events/florida-keys-lionfish-derby-festival-2022>



## Pending Events

### Fling Charters

726 West Brazos Boulevard, Freeport, TX

979-233-4445



### Fling Charters 2022 Trips:

Aug. 11-12 — Stetson-Kraken Excursion Trip

Aug. 18-21st — 4-Day Mass Coral Spawn Excursion

Sept. 6—8 — Blackwater Diving

**For more information contact:** <https://www.flingcharters.com/>

## NOAA National Ocean Service

### Experiential Professional Development Courses

Space is still available in **Ecology Project International (EPI)** professional development courses this summer. These programs are field-based and include hands-on training in the NGSS. They are open to formal and informal educators; no application process is required.

Our program dates are as follows:

Maui, Hawaii: June 26 - July 3, 2022

Costa Rica: July 5 - 11, 2022; July 16 - 22, 2022

Galapagos: July 18 - 27, 2022

Yellowstone: August 6 - 13, 2022

You can access information about price, sample itineraries, and syllabi here: <https://www.ecologyproject.org/professional-development>

Please contact their PD program manager, Lisa Macki, at [lisa@ecologyproject.org](mailto:lisa@ecologyproject.org) with any questions!

# you should be there!!

Brion Saathoff dives almost every weekend at Mammoth Lake, in Clute, Tx. Great place to practice diving skills or camera skills. So, what are you waiting on? There is a standing invitation to come and join them. Oh! Brion is looking for a dive buddy.



## More Trips to think about

**Cozumel** — July 2—9, 2022 —2 spots left

Cost is \$2149/person for airfare, resort all inclusive and diving and close location to dive boat.

**Bonaire** — November 24—27 (Thanksgiving Weekend)— Cost is \$2500/person for airfare—

details to come

Members please let us know who is interested and we will work out the details.

[SingleDivers.com](http://SingleDivers.com)—Home

## Everything we can expect from 'Avatar: The Way of Water,' the long-awaited sequel to the hit 2009 movie.

The sequel takes place over a decade after the events of the first "Avatar."



- A lot of the movie will be set underwater.
- The movie opens in theaters on December 16.

Director James Cameron has been discussing a sequel to "Avatar" ever since the original film opened in 2009 and became the highest-grossing movie of all time ("Avengers: Endgame" took the title in 2019).

The powerful sci-fi movie is set on a far-away moon called Pandora and follows human Jake Sully (Sam

Worthington) as he befriends the natives (called the Na'vi) by using a genetically engineered Na'vi body.

Now, the sequel picks up over a decade later and will focus on Sully, his lover Neytiri (Zoe Saldana), and their new family.

Along with Worthington and Saldana returning for the sequel, we'll also see Giovanni Ribisi, who was the lead corporate administrator of the human-mining project on Pandora in the first movie.

Two actors whose characters died in the first movie will also be returning. Sigourney Weaver, who played Dr. Grace Augustine, is coming back, but not playing the same character. Stephen Lang, who played the villain Colonel Miles Quaritch, is also getting a second chance.

**But there are also newcomers.** Kate Winslet will be teaming up with Cameron for the first time since she starred in his other major blockbuster hit, 1997's "Titanic."

Winslet is set to play a free diver named Ronal, one of the Na'vi who inhabits the waters of Pandora called Metkayina.

Cliff Curtis ("Blow," "Training Day," "Whale Rider") will play Tonowari, the leader of the Metkayina.

Edie Falco and Michelle Yeoh have been cast for live-action roles. And Vin Diesel said in a 2019 Instagram post that he will also be joining the cast. However, there are no details yet on who he will play.

As the title suggests, we're going to see more of what goes on below the surface of Pandora in the sequel.



To pull off these scenes, a massive 900,000-gallon performance-capture tank was built in New Zealand for the sequels.

Like the first movie, the technology used to make "Avatar: The Way of Water" is groundbreaking.

Along with filming underwater, Cameron and the special effects team at Wētā FX developed a motion-capture underwater system to capture the performances.

The equipment has never been used before this movie and took a year-and-a-half to develop. And, like the first movie, Cameron plans to push the boundaries of 3D to present "the most immersive 3D available," he said at 2022 CinemaCon via a video message.

"We're pushing those limits even further, with 3D with high dynamic range, with high frame rate, higher resolution, and a much greater reality in our visual effects," he said.

Here are the dates for the third, fourth, and fifth installments in the franchise:

- "Avatar 3" — December 20, 2024
- "Avatar 4" — December 18, 2026
- "Avatar 5" — December 22, 2028



# You should have been there!!

## Cheers to 30 Years! Explore Spectacular

Saturday June 4, 2022. 3-6 p.m.

at Bakfish Brewing Company, 1231 Broadway, Pearland, TX

This was a day that was suppose a no Rain day. Still lots of fun and good friends.



## Lunarfins T-shirts—2 Left

Would you like a Logo Lunarfins T-shirt? We have two colors the first order. If you would like to have one or more two styles, We have **1 Blue V-Neck—Sm.** and **1 Red Crew—Med.** Please contact Brion Saathoff at @ [brionsaathoff@icloud.com](mailto:brionsaathoff@icloud.com). Or JaVan Pruett @ [caladyfish@gmail.com](mailto:caladyfish@gmail.com)



Happy Birthday! to anyone that has a birthday this month!  
May your day be wonderful!



# **You should have been there!!**

## **Pool Party and Jim Carmin's Going Away**

**which was held at Tom and Cindy Reuland  
Home**





The Lunarfins Scuba Club was organized in 1963 by a small group of divers who worked at the Manned Spacecraft Center, as Johnson Space Center (JSC) was known back then. The club grew primarily through the sponsorship of SCUBA training classes, local dive trips and social activities. Since that time, membership has broadened to include anyone interested in diving. The majority of our members are in some way affiliated with NASA but this is not a requirement for membership and we have members from all across the board.



### Lunarfins

P.O. Box 57514  
Webster TX 77598-7514

281-851-5206

[webeditor@lunarfins.com](mailto:webeditor@lunarfins.com)

### Facebook:

<https://www.facebook.com/groups/687047211312336>

### Website:

<https://www.lunarfins.com/>

### TGCC

<https://www.tgccdiving.org/>

### TPWD reefs:

[https://tpwd.texas.gov/landwater/water/habitats/artificial\\_reef/](https://tpwd.texas.gov/landwater/water/habitats/artificial_reef/)



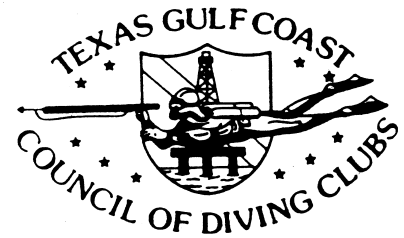
# You should have been there!!

## Pool Party at Tom & Cindy Reuland





# 2022 TGCC MEMORIAL COLLEGE SCHOLARSHIPS



The Texas Gulf Coast Council of Diving Clubs (TGCC) plans to award four College scholarships (1 @ \$500) during 2022. These scholarships are given in memory of Jack Allyn, Greg Grimes, Jean Himes, Anne Millioud. Clint (Dwight) Moore, John Petty and Michael Szewczyk, Randy Widaman and Dick Zingula; deceased members of our dive community. It is also awarded in recognition for support of the TGCC Scholarship Program by Alicia Grimes, the Houston Underwater Club and the Houston Underwater Photographic Society and Linda Petty. The purpose of these awards is to support the members who support the dive clubs in the Texas Gulf Coast area. The awards will be paid by TGCC directly to the college towards tuition.

## **Eligibility Rules:**

1. Scholarship applicant must be a college undergraduate or graduate student attending college in 2022, or a high school senior that has been or will be accepted to college in 2022.
2. The applicant, the parent(s) (biological or through formal adoption), or the grandparent(s) of the applicant, must be an individual member of TGCC or a member of a TGCC member club with dues current in 2022.
3. Application (see other side) must be received by the TGCC Donations Committee prior to **June 30, 2022**. TGCC will review all completed applications on July 1, 2022.
4. Applicant shall have the high school/college furnish a transcript of grades, courses and class standing.

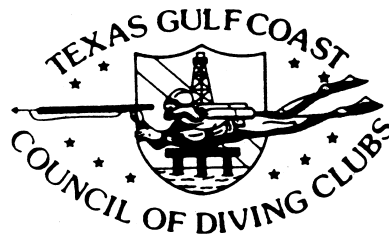
## **Scholarship General Guidelines:**

1. Scholarship decisions of TGCC are final.
2. Scholarship winner is expected to keep TGCC abreast with his/her progress in college.
3. TGCC reserves the right to not award a prize depending upon the number of entries and qualifications of the applicants.
4. A personal interview with members of the TGCC Scholarship Committee may be required prior to awarding this scholarship.
5. Confirmation will be by e-mail. Make sure phone and e-mail data provided is current.
6. TGCC is offering this scholarship as a reward to TGCC members, TGCC member and associate clubs or the children of these members to thank them for supporting TGCC's efforts in promoting safe sport diving. The committee will take into consideration the applicant or applicant's parent's involvement in TGCC and member clubs and/or the diving community in general throughout the year.

## **Applications must be mailed to:**

TGCC Donations Committee  
c/o Frank Burek  
8448 Grand Lake Estates Drive  
Montgomery, TX 77316  
jfburek@consolidated.net

# 2022 TGCC MEMORIAL COLLEGE SCHOLARSHIPS



Applicant's First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

E-mail Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_

High School: \_\_\_\_\_ Year Graduated: \_\_\_\_\_

Name of college to be attended in 2022: \_\_\_\_\_

(Please enclose a copy of the acceptance letter, or current college transcript):

Comments and information about the applicant's grades and academic performance:

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Comments and information about the applicant's sports and/or other extracurricular achievements:

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**Description of why the applicant feels he/she should be selected for this scholarship.**

**(Use a separate page)**

TGCC Affiliation (member of TGCC or TGCC member club)

Applicant                  Parent                  Grandparent                  (please circle one)

Affiliate First Name(s) \_\_\_\_\_ Last Name \_\_\_\_\_

Affiliate Clubs (TGCC, BAD, CHUM, HUPS, Lunarfans, etc.) \_\_\_\_\_

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Number of Years as member of the above-named club(s) \_\_\_\_\_

Number of positions of leadership held by Affiliate \_\_\_\_\_

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

## Trips Offered by Dive Shops etc.

### Captain Beard Charters

1011 Casco Rd – Freeport TX

[captainbeardcharters.com/index.shtml](http://captainbeardcharters.com/index.shtml)



### Island Dreams

10245 Kempwood Dr E119 – Houston TX

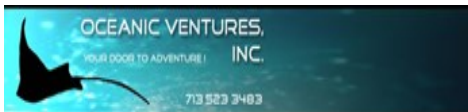
[www.divetrip.com](http://www.divetrip.com)



### Oceanic Ventures

5808 Newcastle Dr. – Houston TX

[oceanicventures.com](http://oceanicventures.com)



### REEF Trips

Dive Vacations That Count – Key Largo FL

[reef.org/trips](http://reef.org/trips)



### Texas Dive Center

364 FM 1959 #D – Houston TX

[txdivecenter.com/](http://txdivecenter.com/)



### Gigglin' Marlin Dive & Swim

4502 Almeda Rd – Houston TX

[gigglinmarlin.com](http://gigglinmarlin.com)



### Maximum Scuba

134 Gulf Freeway North – League City TX

[maximum-scuba.com](http://maximum-scuba.com)



### Outside The Asylum

15015 Westheimer Rd #H – Houston TX

[otadiving.com](http://otadiving.com)



### Sport Divers

20814 Gulf Fwy #60 – Webster TX

[sportdivers.com](http://sportdivers.com)



### Texas Scuba Adventures

2315 Mechanic St #120 – Galveston TX

[texasscubaadventures.com](http://texasscubaadventures.com)