Hello from the DEEPEND! I’m Tracey Sutton. I’m an Associate Professor at the Oceanographic Center of Nova Southeastern and a biological oceanographer. I’m also the Director of the DEEPEND Consortium. For DEEPEND cruises, I’m also a fish guy...sampling and identifying deep-pelagic fish in the Gulf of Mexico. “Deep pelagic” is science-speak for the deep waters in the middle of the ocean, far from land. Our DEEPEND cruises and research will be amazing!

More to come.
Tracey

Dr. Tracey Sutton

dependconsortium.org
Dear Jake,
Getting ready to climb aboard the RV Point Sur for our DEEPEND cruise! We just have to load our equipment and luggage. Here’s a picture of the crew loading a crate. Would you believe those are just my socks?

I can’t wait to find out what cool creatures live in the deep of the Gulf of Mexico. I’ll let you know what we find....

More to come.
Tracey
Dr. Tracey Sutton
deepeendconsortium.org

Jake, the SeaDog
Postcards from the Deep
c/o WhaleTimes
19190 SW 90th, #2702
Tualatin, OR 97062
Dear Jake and friends,

We are the Crustacean Crew Team Leaders for DEEPEND! Forget the fish, we study the cool animals! We’ll be collecting and identifying shrimp in the deep-pelagic waters. We’ll let you know what we find.

More to come.
Tamara and Heather

dependconsortium.org

Jake, the SeaDog
Postcards from the Deep
c/o WhaleTimes
19190 SW 90th, #2702
Tualatin, OR 97062

Creep into the Deep
www.whaletimes.org
Dear Jake and friends,

We’re the Squid Squad Leaders for DEEPEND. Whether it’s a splendid squid or an outrageously red octopus, if it is boneless, has tentacles, suction cups, and a cool shaped head, we hope to find it!

More to come.
Heather and Michael

deependconsortium.org
Hi Jake,
Hello from the Gulf of Mexico. Much of our sampling takes place almost a mile down. We’re finding rare and exotic organisms, like this fine-looking anglerfish!

More to come.
Tracey

Dr. Tracey Sutton
DEEPEND Explorer

deependconsortium.org

Jake, the SeaDog
Postcards from the DEEPEND
c/o WhaleTimes
19190 SW 90th, #2702
Tualatin, OR 97062
Deep-sea Amphipod  
(Cystisoma sp)

Hello from Team Crustacean! Some of the most amazing animals that I have ever seen are the hyperiid amphipods like this Cystisoma. What I like most about Cystisoma is that its whole head is an eye!

More to come.  
Tamara  

Dr. Tamara Frank  
DEEPEND Explorer

deeppendconsortium.org
Hello from Team Crustacean!

We see some incredible crustaceans out here. They are definitely not your ordinary grocery store shrimp or lobster. Take a look at just a couple of the remarkable deep-sea crustaceans we’re finding. Because everything likes to eat them, notice that the bigger ones have spines and horns (known as a “rostrum” in crusty-speak). These horns and spines make them unpleasant to eat.

Aren’t they amazing? As you might guess, crustaceans are an essential part of the food web. Thanks for joining us at the DEEPEND!

Tamara

Dr. Tamara Frank
DEEPEND Explorer
deependconsortium.org

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Some deep-sea fish sure can shine!

Tracey
Tracey Sutton
Principal Investigator
Team Fish & Deep-sea Explorer

deeppendconsortium.org
Team crustacean thinks they have all the deep-sea beauties, but I think the fish win. Meet some of the amazing fish we’ve met during our deep-sea explorations!

Tracey Sutton
Principal Investigator
Team Fish
Deep-sea Explorer
deependconsortium.org
Ever wonder what a baby anglerfish looks like?

Tracey
Tracey Sutton
Principal Investigator
Team Fish
Deep-sea Explorer
defependconsortium.org
Hello,
I study parasites in fish. So far, I have found a bunch of weird looking parasites. They vary in size and shape. Why study parasites? They are important members of a food web. The food web is a complex network of living things that interact within an ecosystem. Knowing about the parasites that infect fishes is critical to our understanding of deep.

Matt
Matthew Woodstock
Team Fish and Deep-sea Explorer

deependconsortium.org
Hello, I study heteropods. Heteropods are small swimming or floating marine snails. They are fascinating and even quite cute! Though some might say they’re kind of like little globs of snot looking for other snot-like creatures to eat.

Only a few scientists have ever studied them. As part of the DEEPEND Team, I’m fortunate to have the opportunity to learn and share my heteropod discoveries.

Kris
Kris Clark
Deep-sea Explorer
deeperdconsortium.org

(Carinaria lamarcki)
(Pterotrachea scutata)
(Oxygyrus inflatus)
Another stunning deep-sea beauty from our exploration in the Gulf of Mexico.

Heather

Heather Bracken Grissom
Team Crustacean
Deep-sea Explorer

dependconsortium.org
For 200 years people did not know who this baby (larva) belongs to. Larval crustaceans often look very different than adults.

Using a DNA barcoding technique, we matched the baby with the adult. Understanding animals’ life cycles helps us protect the ocean.

Heather Bracken Grissom
Team Crustacean
Deep-sea Explorer
Hi there,
This is the Modeling Team checking in. No, we don’t build little ships inside bottles and we don’t pose for painters and sculptors! We make “numerical simulation” models that are run on supercomputers. Kind of like the weather models you see on the local news, except they are for the ocean. It sounds easy, right? – 100% humidity predicted all day!
We use the model forecasts to help plan the research cruises. After the cruise, we rerun the model using measurements taken during the cruise (this is called a hindcast or reanalysis run). Now we have a three-dimensional picture of the ocean. It helps us understand our measurements (of fish, crustaceans, etc.) and how they are related to each other and the ocean environment. Pretty cool!

dependconsortium.org

Brad Penta
Modeling TEAM
Flying fish fly above and below the surface in the Gulf of Mexico

dependconsortium.org
Hello from Team Fish,

How would you like to meet this beauty face to face? Don’t worry, the common fangtooth is only a few inches long. (About the size of your hand.) It is also found below 1640 feet (500m).

Finding food is one of the hardest things to do in the deep sea because animals are often scattered far apart from each other. Many deep-sea fishes, like the fangtooth, have long sharp teeth to hold onto food when they find it.

A fish’s shape tells a lot about how it behaves and lives.

Thanks for joining us at the DEEPEND!

Jon
Dr. Jon Moore
Team Fish and Deep-Sea Explorer

deependconsortium.org
Hey there,
Many deep-sea animals have giant eyes. I don’t mean pretty little doe eyes. I’m talking gigantic peepers. Think I’m kidding? A giant squid’s eyes are as big as your head!

Meet one of my favorite deep-sea animals — the Cystisoma. Its eye (yes single eye) is its entire head. Just another beauty from the deep sea!

Tammy
Tammy Frank
TEAM Crustacean and Deep-sea Explorer
deependconsortium.org
Babies!
Look at these beautiful baby crustaceans from the Gulf of Mexico. Many larvae look very different than the adults. As part of DEEPEND, we are genetically barcoding crustaceans, even the babies! Think deep-sea CSI! We can ID the species and track the gene flow. The better we understand the life histories and abundance of crustaceans at all life stages, the better we understand the Gulf as a whole!

Laura Timm
TEAM Crustacean
Deep-sea Explorer

deeperdconsortium.org

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BABIES!
Look at these beautiful baby crustaceans we see in the Gulf of Mexico. Aren’t they cute?

Laura Timm
TEAM Crustacean
Deep-sea Explorer

dependconsortium.
In the deep, thin is in! It's one more way some fish stay hidden.

April
April Cook
Team Fish
Deep-sea Explorer

deeppendconsortium.org
Hello,
I wonder if microbes ever complain that anglerfish get all the attention. Afterall, the microbes are the ones that create the glow. The anglerfish just wiggles the lure (esca) to trick prey. Anglerfish and microbes have a fantastic partnership. The anglerfish provides a home and the microbes the glow.

Joe
Jose Lopez
TEAM Mighty Marine Microbes
Deep-sea Explorer
Hey friends, Team Crusty needed some help sorting crustaceans. Hmm, this can’t be a shrimp it’s as big as a dog...at least compared to me!

Flat Stanley DEEPEND Special Guest

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Jake, the SeaDog
Postcards from the DEEPEND
c/o WhaleTimes
19190 SW 90th, #2702
Tualatin, OR 97062

deependconsortium.org
Hey friends,

Celebrating Fintastic Friday: Giving Sharks, Skates, and Rays a Voice with the DEEPEND Team.

Flat Stanley
DEEPEND Special Guest

flatstanleyproject.com  deependconsortium.org
Hey friends,
Would you believe I caught a fish and it was this big!

Flat Stanley
DEEPEND Special Guest
Hey friends,
Who needs a pegasus when you have flying fish!

Flat Stanley
DEEPEND Special Guest

Jake, the SeaDog
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flatstanleyproject.com
deependconsortium.org

creepintothedeepend.org
www.whaletimes.org

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Hey friends,
Here I am aboard the *R/V Point Sur* in the Gulf of Mexico and I’m helping the Acoustic Team.

Flat Stanley
DEEPEND Special Guest

flatstanleyproject.com
deeppendconsortium.org
Hello!
Recently, the Advanced Art students from Tualatin High School in Oregon put their art under pressure for DEEPEND. They decorated 8 oz Styrofoam cups. Then the DEEPEND Science Team sent the cups down about 5,000 feet (1,500 m) with MOCNESS’s *CTD. The ocean’s pressure sculpted the cups in its own unique way. Thank you Tualatin High students for sharing your talent with us!

More to come.

Jake, the SeaDog
DEEP-Sea Explorer

(*The CTD measures Conductivity, Temperature, and Depth.)
deependconsortium.org

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