



# tideline newsletter tideline aquatics

## Tideline Aquatics Store Hours

Monday – Friday 11am-7pm  
 Saturday 10am-6pm  
 Sundays 1pm-5pm

### **NECESSITIES FOR A SUCCESSFUL AQUARIUM – FRESH & SALT**

So you have or are thinking about putting together an aquarium for your home or office. There is certain equipment that is required for your aquarium to be successful. Many super stores (Walmart, K-Mart, SuperPetz, etc) that sell aquarium yet neglect to provide you with the knowledge and proper components to make your endeavor successful. Here we will discuss the “Must Haves” for nearly all aquarium owners.

1. Complete Filtration System – If you purchase an aquarium filter of any type, it must have these three components to be a true complete filtration system. It must have a biological component (bioballs, bio-wheel, bio-foam, ceramic rings, etc). This is where the bacteria will eventually colonize to maintain zero ammonia and nitrite levels in the aquarium. Without a biological media, there is no way your aquarium will be successful. Remember that the biological media should never be cleaned with tap water but instead, clean it in a container of your aquarium water (salt or fresh depending on your aquarium) if it becomes clogged with debris. The filtration system must also utilize some type of mechanical filter (filter cartridge, a filter pad material, a foam block, etc). This media is used to trap fish waste and other aquarium debris. The mechanical filter media can often be rinsed several times before needing to be replaced. This filter media

should be rinsed at least every two weeks but more often in heavily stocked aquariums. Your filtration system must also use some type of chemical filtration (activated carbon, chemipure, biochem zorb, etc). Chemical filter media removes dissolved organics from the water (discolorations, urea, odors, etc). Carbon media, depending on the quality, usually needs replacing at least once per month. This is especially true with filter cartridges as they contain only a small amount of activated carbon requiring more frequent replacement. There are other chemical medias that may be used (phosphate removers, nitrate absorption resins, etc) depending on the type of aquarium you have (reef, live plants, etc). We can help you select the correct types of chemical media for your type of aquarium but all aquariums should use activated carbon in the system. In marine and reef aquariums, a protein skimmer is a must in most cases. We can help you select the correct size for your marine aquarium.

2. Efficient Aquarium Heater – Unless you are housing only goldfish in your aquarium, you must have an aquarium heater. We know your house temperature may be stable but this is not sufficient for your tropical aquarium animals. Tropical freshwater and saltwater animals require a stable water temperature in the range of 76-80 degrees (even warmer for some species like Discus). This does not mean your animals are safe if the water temperature is 76 degrees at night and 80 degrees during the day! The water temperature should be the same day and night. In cases where you house is kept cool in winter, your aquarium may require two aquarium heaters to maintain a stable water temperature. A

fluctuation in water temperature is the main cause of disease outbreaks in the aquarium. When your fish become stressed from variations in water temperature, their immune system becomes weakened leading to parasite diseases followed by secondary bacterial diseases. In the summer months when the humidity is high, you may have to adjust your aquarium heater to maintain the aquarium temperature at 80 degrees if your home is kept at 76-78 degrees. In reef aquariums, a chiller may be required to keep the aquarium from becoming too warm! In fish-only aquariums, most will acclimate to water temperatures around 80-82 degrees if kept stable.

3. Proper Water Conditioner – If you are using city tap water in your aquarium, you must use a water conditioner that removes chlorine, chloramines and ammonia. We highly recommend using Aqualife Complete Water Conditioner for properly conditioning your aquarium water. It not only removes the chemicals listed above, it also buffers the water and provides a protective slime coat to reduce stress to your fish during water additions and partial water changes. If you do not use Aqualife Complete, ensure that the water conditioner you are using provides all the benefits of Aqualife Complete. A water conditioner that only removes chlorine is not safe to use with our tap water! If you use reverse osmosis water, Aqualife Complete conditions the water properly before you add it to your aquarium.

4. Gravel Vacuum – EVERY aquarium owner must perform a partial water change of 25% at least once per month (more often in heavily stocked aquariums). When removing water from the aquarium, you must use a gravel vacuum to remove the accumulated solid waste material from the substrate. These units are inexpensive so there is no reason why an aquarium owner should not have one! The days of completely breaking down the aquarium and washing everything in the back yard are gone. This old fashioned thinking only leads to fish death because you kill all of the beneficial bacteria that keep your aquarium water safe for your fish. There are even bacterial additives like Tidy Tank that contain specific bacteria that break down solid organic material in your gravel and filter

media to help reduce the amount of organics accumulated in the aquarium.

4. Lighting – Though your fish may not die without any light, they certainly are not accustomed to living in the dark 24 hours a day. For fish-only aquariums, a simple type of aquarium fluorescent fixture will suffice. Aquarium lights should operate about 8-10 hours per day. By placing your aquarium light on a timer, you can have the lights automatically turn on late in the afternoon and turn off 8-10 hours later. This will allow you to enjoy your aquarium when you are home instead of the lights being on while you are at work. If you have a live aquatic plant aquarium or a reef aquarium, you will require specific types of lighting systems with specialized lamps. We will assist you in choosing the correct type of lighting for your aquarium needs.

There are hundreds of other aquarium components available but all aquariums should include the components we just discussed here. Reef aquariums, planted aquariums, nano aquarium, etc will require several other specific components to become successful. Our knowledgeable staff will guide you in the right direction to make your specific aquarium exactly what you imagined it could be!

The best choice for your aquarium is to leave it in the care of a friend or neighbor with specific instructions on exactly what to do while you are away. Remember to be specific! Make a list of exactly what you need them to do for the aquarium. You can make things easy and safe for your caretaker by putting the aquarium lights on a timer (about \$12.00). Set the timer so the aquarium lights will be on when the fish are to be fed. Setting the lights to go on and off automatically will keep the fish on a regular schedule and provide the correct lighting schedule for your live plants or reef aquarium. Measure out exactly what you want fed to your aquarium each visit and place the food in separate containers for each days feeding. Remove the regular food containers from the area so your caretaker will not be tempted to feed more when they see the fish rush to the front of

## **THE 2008 CHRISTMAS AQUARIUM GIVE-A-WAY!!**



Every time you visit Tideline Aquatics (no purchase necessary), you can sign up for the 80 gallon Bowfront Euro Aquarium Package we are giving away on Christmas Eve. Just go to the front counter and fill out your name and phone number on one of our entry forms and place it in the entry box. You can enter every time you visit the store! We will draw the winner at closing on Christmas Eve. Good luck everyone!!!

## **NEW PRODUCTS COMING: BRIGHTWELL AQUATICS PRODUCTS**



Soon you will be able to purchase quality Brightwell Aquarium Products at Tideline Aquatics! Brightwell makes products for freshwater, saltwater, reef and planted aquariums. We will let you know when this new product line arrives and highlight some of the unique products they offer. You can check out their entire product line at: [www.brightwellaquaticlabs.com](http://www.brightwellaquaticlabs.com)

Check out their amazing product line to see what you will soon be able to purchase at Tideline Aquatics.

## **SPECIAL NOTE FOR THIS FRIDAY AND SATURDAY – BRING YOUR FAMILY!**

This Friday evening, the annual **Hanahan Christmas Tree Lighting Ceremony** will be held at city hall on Yeamans Hall Rd. This means that the road in front of our store will be closed starting at 5:00pm. You can still enter the store by coming in the back door. You will only

need to pass Yeamans Hall Rd from Remount and travel to the next road that turns left. When you turn, immediately take the left turn by Pappy's Restaurant. You will then turn right just before the hardware store and park behind the store where you can enter through the back door. We will be open until 7:00pm as usual but you will have to follow the directions above to get to the store as Yeamans Hall Rd will be closed to traffic.

## **Hanahan Christmas Parade This Saturday!**



The annual Hanahan Christmas Parade is this Saturday beginning around 10:00am. Yeamans Hall Rd will be closed to all traffic until the parade ends which is about 11:30am. We will not open until after the parade but we would like to invite you and your family to join us in front of the store for the Christmas parade. We invite you to park behind the store (entering following the directions listed above) and bring a folding chair to enjoy the parade with us! We will all be sitting in front of the store to enjoy the festivities. We have bags we can give your children for collecting candy and other goodies that are passed out by the parade troupe. Again, we will not open until after the parade which is at about 11:30am.



## SALTWATER FISH OF THE WEEK: The Dragon Sifter Goby



### **AMBLYGوبيUS PHALAEANA**

So this is not the most colorful marine fish you have ever seen but it is a marine fish that offers a couple of benefits to the aquarium. First, this goby spends all day long sifting debris from the sand or fine gravel. Second, this fish LOVES to also eat hair algae! When it's not shoveling gravel from one place to another, it is on the live rock munching on filamentous algae making this fish a huge benefit to most reef aquariums. Dragon sifter gobies also accept all types of frozen fish foods, are normally peaceful and are extremely hardy and disease resistant. We are offering this fish on our website coupons this week so pick one up during your next visit.

## AUSTRALIAN CORALS JUST ARRIVED!



We included just a few pics of the incredible coral shipment we just received from Australia. These corals are not cheap but they are collectors items with color variations found no where else! We also received many stunning cultured premium grade Acroporas, Trachyphiliias and

more! So break the bank and own one of these rare color variation corals from Australia!



## WHATS NEW AT [tideline aquatics?](#)

### **FEEDERS (SEE BELOW!!!!):**

We currently have feeder crayfish, feeder fiddler crabs and feeder rosy reds in stock. We are out of all other feeder items until our next freshwater shipment which arrives this coming Tuesday afternoon.

### **FRESHWATER FISH:**

**Livebearers** – Mickey Mouse Sunburst Platies, Red Wag Platies, Sunburst Platies, Redtail Dalmation Platies, Mickey Mouse Candy Swordtails, Super Nice Sailfin Mollie Pairs, NEW! Santa Claus Swordtails, Gold Crescent Platies, Multi-Color Fancy Guppy Pairs, Red Velvet Swordtails, Dalmation Mollies, Black Yucaton Mollies.

**Catfish/Loaches/Plecostomus** – Beautiful Corydoras Burgessii Catfish, Tank Bred! Otocinclus Algae Eaters, Botia Striata Loaches, Arcuatus (Skunk) Corydoras Catfish, Tank Bred Bushynose Plecostomus, L007 Dracula Plecostomus, Pygmy Corydoras Catfish, Horseface Loaches, Hypostomus Plecostomus, Chinese Butterfly Sucker Loaches, Golden Marble Chinese Algae Eaters, 4" Clown Loaches, Common Plecostomus.

**Brackish** – Bumble Bee Gobies, Green Scatophagus, Tank Bred Mono Sebae, Tank Bred Mono Argentius, Figure Eight Pufferfish

**Tetras / Rasboras / Barbs / Danios** – Lemon Tetras, Longfin Zebra Danios, Longfin White Cloud Mountain Minnows (awesome), Tank Bred Cardinal Tetras, Zebra Danios, Rummynose Tetras, Large Neon Tetras, Orange Von Rio Tetras (beautiful), Sunburst Orange Glo-fish, Longfin Black Skirt Tetras, Red Serpae Tetras, Bloodfin Tetras, Scissortail Rasboras, Harlequin Rasboras, Male Longfin Rosy Barbs, Lg Congo Tetras, Red Phantom Tetras, Tiger Barbs, Medium Silver Dollars, White Cloud Mountain Minnows, Bleeding Heart Tetras.

**Gouramis / Bettas** – Female Bettas, Pearl Leeri Gouramis, Neon Dwarf Gouramis, Rainbow Dwarf Gouramis, Male Show Bettas, Pink Kissing Gouramis, Red Paradise Gouramis, Opaline Gouramis, Moonlight Gouramis, Gold Gouramis.

**Cichlids** (Dwarf, South American, African) – Small Frontosa Cichlids, Geophagus Surinamensis Earth Eaters, Assorted S/M Peacock Cichlids, Demasoni Cichlids, Green Severums, Black “Inkfin” Calvus Cichlids, Black Lace Angelfish, Gold Veil Angelfish, Koi Angelfish, German Blue Rams (few), Festae Cichlids, Baby Peacock Bass, Golden Rock Kribensis Cichlids, Altispinosa Bolivian Rams, S/M Jaguar Cichlids, M/L Jaguar Cichlids, Electric Blue Jack Dempseys, Small Oscars, Medium Striated Pike Cichlids, Metae Cichlids, Small Jaguar Cichlids, Assorted Medium Peacock Cichlids, Medium Firemouth Cichlids, Green Terror Cichlids, XL Wild Caught Altum Angelfish (Nice), Assorted Small Standard Angelfish, Julidichromis Cichlids, Assorted Premium Mbuna African Cichlids, Texas Cichlids, Telmatochromis brichardi Cichlids, Daffodil Brichardi Cichlids, Male Otopharynx Lithobates Cichlids.

**Other** – M/L Tiretrack Eels, Rainbow Algae Shrimp, Orange Bee Algae Shrimp, Blackberry Shrimp, Clown Knives, Elipsifer Eel (stunning), Large Tiretrack Eel, Dwarf African Frogs, Lg Black Ghost Knife, Freshwater Flounders, Rainbow Sharks, Redtail Black Sharks, Leporinus Fasciatus, Lg Silver Arowanas, XL Clown Knifefish, Yellowtail Spiny Eels, African

Ropefish, Chinese Algae Eaters, Bala Sharks, Olive Nerite Snails, Medium Silver Dollars, Cherry Shrimp.

**German Stendker Discus** – Green Turquoise, Red Turquoise, Marlboro Reds, Blue Diamonds, Silver Pigeon Bloods, Red Pigeon Bloods, Red Snakeskins, Blue Cobalts. These fish are in perfect condition!!

**Goldfish** – Red Cap Orandas, Medium Assorted Orandas, Large Assorted Orandas, Assorted Ryunkin Fantails, Small Assorted Fantails, Small Black Moors.

**Koi, Pond Fish and Pond Plants** – XL and Jumbo Domestic Koi, Small Koi, Medium Koi, Medium Butterfly Koi (few), Md Pond Comets.

The list above represents only the most recent livestock shipment. We have MANY other species available at the store!

#### **SALTWATER FISH:**

**Angels / Butterflyfish** – Half Black Angelfish, Flagfin Angelfish, Koran Angelfish, Auriga Butterflyfish, Coral Beauty Angelfish, Melas Angelfish, Midnight Angelfish, Yellow Angelfish, Eiblii Angelfish, Potter’s Angelfish, Flame Angelfish, Yellowtail Blue Spotted Poma Angelfish (incredible), Majestic Angelfish, Blueface Angelfish, Black & White Heniochus Butterflyfish, Yellow Longnose Butterflyfish, Vagabond Butterflyfish,

**Clownfish** – Ocellaris Clownfish, Tomato Clownfish, Melanopus Clownfish, Sebae Clownfish, Black Sebae Clownfish, Yellow Stripe Maroon Clownfish, Assorted Tank Bred Clownfish, Australian True Black Ocellaris Clownfish.

**Gobies / Blennies** – Purple Firefish Gobies, Firefish Gobies, Green Mandarins, Spotted Mandarins, Diamond Sifter Gobies, Dragon Sifter Gobies, White Sifter Gobies, Green Line Sifter Gobies, Golden Head Sifter Gobies, Tiger Wardi Watchman Gobies, Pink Spotted Watchman Gobies, Yellow Watchman Gobies, Orange Spot Guttata Gobies, Wheeleri Gobies, Pearly Jawfish, Gold Spot Jawfish, Blue Spotted Jawfish, Randalli Orange Stripe Gobies, Two Spot Biocellatus Gobies, Yashia Haze Gobies, Starry Algae Blennies, Bluehead Fang Blennies.

**Wrasses / Hogfish** – Tonozu Fairy Wrasses, Filamented Fin Fairy Wrasses, Carpenters Fairy Wrasses, Debulius Fairy Wrasses, Green Bird Wrasses, Red Coris Wrasses (Hawaii), Solorensis Fairy Wrasses, Christmas Wrasses, Sixline Wrasses, Australian Harlequin Tuskfish, Red Diana Hogfish, Lunare Wrasses.

**Tangs / Rabbitfish** – Yellow Tangs, Scopas Tangs, Convict Tangs, Sailfin Tangs, Blonde Naso Tangs, Blue Regal Tangs, Clown Tangs, Powder Brown Tangs, Yellow Mimic Tangs, Chocolate Tangs, Foxface Rabbitfish, Orange Shoulder Tangs, Yellow Eye Kole Tangs, Tominiensis Orangefin Tangs.

**Triggerfish / Eels / Puffers** – Dogface Pufferfish, Stars & Stripes Dogface Pufferfish, Valentini Pufferfish, Humu Triggerfish, Rectangulus Triggerfish, Pinktail Triggerfish, Bursa Triggerfish.

**Lionfish** – Fuzzy Dwarf Lionfish, Dwarf Lionfish, Antennata Lionfish, Black Volitan Lionfish.

**Other** – Assorted Damselfish, Panther Groupers, Village Belle Damselfish, Miniatus Grouper, Bicolor Basslets, Royal Grammas, Australian Blue Assessor Basslet (awesome!), Kauderni Bangaii Cardinalfish, Pajama Cardinalfish, Green Chromis, Blue Spotted Jawfish, Spotted Hawkfish, Longnose Hawkfish, Hawaiian Redtail Filefish, Red Squirrelfish, Big Eye Squirrelfish, Tank Bred Seahorses, Shark Egg Capsules.

#### **INVERTEBRATES:**

**Snails / Cucumbers / Starfish / Urchins** – Mexican Turbo Snails, Gold Tequila Turbin Snails (the best algae eaters!), Atlantic Turbin Snails, Nerite Snails, Cerith Snails, Common Cucumbers, Brittle Starfish, Basket Starfish, Serpent Starfish, Blue Tuxedo Urchins, Sea Apple.

**Crustaceans** – Coral Banded Shrimp, Cleaner Shrimp, Golden Banded Shrimp, Redtip Reef Hermits, Green Saron Shrimp, Sally Lite Foot Crabs, Emerald Crabs, Pom Pom Crabs, Common Pistol Shrimp, Candy Cane Pistol Shrimp.

**Corals / Polyps / Mushrooms** – Assorted Nano Corals, Australian Orange & Green Scolymia Corals, Australian Red Lobophyllia Corals, 70 Head Duncanopsammia Coral (amazing!), Australian Green Hammer Corals, Australian Blasstomussa Corals (red & green, solid orange, neon green and more), Australian Candy Stripe Acanthastrea Coral, Metallic Cynarina Corals, Pink Cynarina Corals, Green Spiny Cup Pectinia Corals, Red Trachyphilia Corals, Green Trachyphilia Corals, Common Lobophyllia Corals, Premium Cultured Acroporas, Premium Cultured Acropora Efflorescens Corals, Super Red Mushrooms, Pink Zoanthids, Blue Zoanthids, Orange Zoanthids, Green Metallic Zoanthids, Bubble Corals, Anthelia Rocks, Daisy Polyp Rocks, Yellow Polyp Rocks, Orange Pavona Coral, Favia Corals, Favites Corals, Montipora Corals, Candy Corals, Assorted Leather Corals, Indonesian Mushroom Rocks and much more...

**Other** – Orange & Pink True Rose Bubble Anemone (super), Blue Spot Seahares, Green Bubble Anemones, 3" Squamosa Clams, 3" Teardrop Maxima Clams, Flowering Rock Anemones, Pink Feather Dusters, Super Nice Fancy Gorgonian Sea Fans, Long Tentacle Anemones, M/L Blue Crocea Clams, Nice Common Feather Dusters, Red Hard Tube Coco Worm Dusters.

New Fiji Live Rock just arrived. This rock is not cured. If you pay for the rock you want, we will tag it and hold it for you until it is fully cured at no extra charge to you!

This list is based on our most recent shipments of saltwater livestock. There are many other species available in the store not included in this list.