



# tideline newsletter tideline aquatics

## Tideline Aquatics Store Hours

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

### WHAT YOU SHOULD BE ADDING TO YOUR REEF AQUARIUM



It's surprising how often we encounter customers that did not realize what additives they should be putting in their reef aquariums weekly. Either they are customers that have migrated to us from other stores or even regular customers of ours that we neglected to inform about what they should be putting into their reef aquarium water each week. So here we will discuss what we consider requirements for a healthy reef environment.

#### CALCIUM

There are numerous calcium additives available in our hobby but here we will discuss the brands that we use and recommend. Though in the past we suggested Kent Marine products, there are better products now available and we have

adjusted our product line to reflect the advances in calcium additives. But before we get into that, you need to know that nearly every organism in your reef aquarium utilizes calcium. Snails, crustaceans, stony corals, clams, coralline algae, tube worms, etc are all dependent on proper calcium levels. At a salinity of 1.025, you should maintain your calcium level at 400-450 mg/l. Reaching these levels takes time. If you try over dosing calcium, often a sudden precipitation of calcium occurs causing the calcium level to actually drop! Just be patient and add the calcium additive to the aquarium per the manufacturer's instructions. You must also test the calcium level at least monthly to monitor the level of your aquarium water. Also keep in mind that if you maintain your carbonate hardness (KH) above 10 degrees (8-10 degrees is best in a reef environment), it will be more difficult to increase the calcium level above 400 mg/l. We recommend the use of **Brightwell's Calcion** or **Seachem's Aquavitro Calcification** for calcium additions to the reef aquarium.



#### STRONTIUM AND MAGNESIUM

These elements are found in natural seawater at concentrations of 8-10ppm for strontium and 1250-1400ppm for magnesium and are also used by reef organisms like clams, stony corals, snails and coralline algae. If you are an advanced reef

aquarist housing mainly small polyped stony corals (SPS) like acropora, montipora and millipora, consider purchasing test kits to monitor your strontium and magnesium levels as the rate of growth of these corals has been found to be much greater with correct levels of strontium and magnesium in the aquarium. But for most reef hobbyists, strontium and magnesium can be kept at acceptable enough levels by following the manufacturer's instructions on the bottle. We recommend the use of **Seachem's Aquavitro Ions** (contains strontium and magnesium) or **Brightwell's Magnesium and Strontion**.



### IODIDE

This element is required by reef inhabitants to repair soft tissue as with leather corals and gorgonians. Mushrooms, zoanthids, xenia and anthelia thrive with the addition of an iodide supplement. Iodide deficient water can also lead to the bleaching of SPS corals in the reef aquarium. Iodide is also critical in the development of pigments in corals, mushrooms and anemones. Lugol's solution can be used as a dip for damaged corals to prevent the spreading of infection to the healthy tissue. For regular use in the reef aquarium we recommend the addition of **Brightwell's Iodion** or **Aquavitro's Vibrance**. If you want to ensure you are

maintaining the proper level of Iodide in your reef aquarium, purchase a test kit and maintain the level of Iodide at .06-.08 mg/l.



### CORAL FOOD CHOICES

At Tideline Aquatics we offer many other reef supplements that can be combined with the products listed above for your specific reef needs. For feeding your corals, we carry **DT's Live Plankton**, **Brightwell's extensive line of reef plankton products** as well as frozen reef foods. These plankton foods should be rotated to ensure you are supplying your entire filter feeding organisms with the proper sized food choices. Plankton foods should be used 3-4 times per week using only 1 product per feeding. Also remember to use an alkalinity buffer (**Kent SuperBuffer**, **Brightwell's Alkaline 8.3** or **Seachem's Aquavitro Eight.Four**).

Also remember, **NEVER use tap water** for use in your reef aquarium. Instead, use reverse osmosis water when topping off your reef aquarium or when performing partial water changes. Even with the use of water conditioners, the tap water in our area is unsafe for using in reef aquariums!



## UNUSUAL FRESHWATER SPECIES NOW AT TIDELINE



**The Coral Red Pencilfish**  
(*Nannostomus mortenthaleri*)

This is considered one of the most beautiful and hard to obtain pencilfish. Though they are not as vivid as the adult male pictured here, once they become established and comfortable, the males are fire red just as the one pictured here. The females are duller in color though still beautiful. The Coral Red Pencilfish should only be housed with peaceful smaller species like cardinal tetras, rummynose tetras, neon tetras, discus and similar species. These fish acclimate to a pH of 6.0-7.4, soft water low in organics (you must keep up with your partial water changes) with a steady temperature ranging from 75-84 degrees. Though these fish will eat flake foods, for best color and health, supplemental foods like bloodworms and brine shrimp are recommended. If you're a fish geek like we are, you've got to add these to your community aquarium collection or just set up a small aquarium to house these beauties!!



**The Balzani Eartheater**  
(*Gymnogeophagus balzani*)

This is one of the most unusual of the Eartheater group. They are referred to as eartheaters due to

their constant sifting of the substrate filtering out food items. This is the first time we've ever received full size (about 6"-7") adults of this species and they are completely spectacular. Displaying the massive humped head and striking markings these are a rarity for the cichlid collector that houses larger but mild-mannered species. These fish should NOT be kept with aggressive large cichlids instead they should be housed with species like uaru, gouramis, severums, festivums, silver dollars, bala sharks and similar medium aggressive to passive species. Balzani eartheaters require soft water (GH of 10 or less) with a pH range of 6.5-7.5. Supposedly this fish will even tolerate water temperatures of 70 degrees but we'd suggest keeping them at 75-80 degrees. Like others in the eartheater group, these fish are mouth-brooders. The female drops the eggs, the male then fertilizes them, then the female takes the eggs (up to 500) into her mouth where she will hold them without eating until the eggs have hatched and the fry are large enough to feed on their own. This fish rarely shows up on our availability lists and these are by far the best quality specimens we have ever been able to obtain.



**The African Goby Cichlid**  
(*Eretmodus cyanostictus*)

This is one of the coolest fish from the shoreline of Lake Tanganyika in Africa. Though they are a cichlid, they are often referred to as goby cichlids due to their lack of an active swim bladder. This means that when this fish is not swimming, they sink quickly to the bottom of the aquarium where they perch on rockwork. These fish are herbivores that scrape algae off rockwork with their large teeth. We suggest using frozen vegetable-based foods in conjunction with

spirulina flake foods. These fish should NEVER be fed foods like bloodworms, brine shrimp or mysis shrimp as it will cause them to develop a bloating condition and die. Like other species from Lake Tanganyika, the Eretmodus prefers hard alkaline water with a pH of 8.0-9.0. The water they come from is similar to the surfline of the ocean with strong currents rich in oxygen.



The aquarium should be equipped with strong aeration with the use of airstones or aerating power heads. Another cool fact about this super cool fish is that they are bi-parental. When the female lays the eggs, the male fertilizes them as the female quickly puts the eggs into her mouth. She will hold them there for about 12 days. During this time, the eggs will hatch into tiny larval fry while still in here mouth. Then she will transfer the fry into the males mouth where he will hold them for about 10 more days! By this time, the fry can feed on their own and he will release them and the parents no longer give them care. They lay only 10-20 eggs per spawning. It is said that these fish pair for life.

**VALENTINES DAY SPECIAL**  
**STARTING FRIDAY THROUGH**  
**VALENTINES DAY**



**Beginning on Friday and lasting until Valentines Day, you will receive a voucher for a \$15.00 Gift Certificate to the Spa at Charleston on Wappoo Rd in West Ashley when you spend \$50.00 or more at Tideline Aquatics. Just take the voucher into the spa and they will give you the gift certificate! Happy Valentines Day Folks!!**



**Don't forget to show your military ID at the check-out counter! Tideline Aquatics now offers a discount to both active and retired military persons with a military ID!!**

**Be sure and check out the new arrivals at the store this week. We have all kinds of rare and common species of freshwater fish, saltwater fish, live corals and invertebrates that just arrived last week!!**

**New lower prices on heaters, Current USA HO T5 Fixtures, Black Diamond Carbon, Polyfilter, Glo-fish and many freshwater and saltwater species now at Tideline Aquatics!!**

**Also, print off web coupons for even more savings when you shop with us!!**

**WHAT'S NEW AT [tideline aquatics?](#)**

**FEEDERS (all in stock but crayfish):**  
Guppies, Ghost Shrimp, Goldfish, Rosy Redds, **Crayfish(OUT)**, Fiddler Crabs, Live Black Worms.

**FRESHWATER FISH:**  
**Livebearers** – Assorted Swordtails, Painted Platies, Red Platies, Redtail Dalmation Platies, Mickey Mouse Platies, Silver Lyretail Mollies, **NEW!** Cremecicle Mollies (awesome), Fancy

Guppies, Black Yucatan Mollies, Dalmation Mollies.

**Catfish/Loaches/Plecostomus** – Chinese Algae Eaters, NEW!! Scissortail Wood Catfish, L018 Gold Nugget Plecostomus, Hypostomus Plecostomus, Spotted Pictus Catfish, Corydoras Sterbae Catfish, True Siamensis Flying Fox Algae Eaters, Albino Bristlenose Plecostomus, Common Plecostomus (all sizes), NEW! LDA16 Red Bristlenose Plecostomus, Incredible Tank Bred Corydoras Barbatus Catfish, Albino Corydoras Catfish, Corydoras Jullii Catfish, NEW! Marble Borneo Catfish, Clown Loaches, Horseface Loaches, Clown Plecostomus, Chinese Butterfly Loaches.

**Brackish** – Green Spotted Pufferfish, Figure Eight Pufferfish, Mono Sebae, Archerfish.

**Tetras / Rasboras / Barbs / Danios** – Black Ruby Barbs, Zebra Danios, Bloodfin Tetras, Emperor Tetras, Rummynose Tetras, Galaxy Rasboras (or danios – reclassified), True Red Pencilfish, Neon Tetras, Ember Tetras, Longfin Black Skirt Tetras, Longfin Red Serpae Tetras, Common Red Serpae Tetras, Tiger Barbs, NEW Maharaja Barbs, Beautiful & Peaceful Pentazona Barbs, Super Red Male Cherry Barbs, Male Longfin Rosey Barbs, Giant Danios, Longfin Zebra Danios, Whitefin Rosey Tetras, Electric Green, Sunburst Orange Glo-Fish (new lower price!).

**Gouramis / Bettas** – Female Bettas, Super Color Fancy Dwarf Gouramis, Gold Honey Gouramis, RARE! Pair Betta Brownorum, Ass't Male Bettas, Gold Gouramis, Opaline Gouramis, Moonlite Gouramis, NEW! Male Dragon Scale Bettas, Pink Kissing Gouramis.

**Cichlids** (Dwarf, South American, African) – Show! Geophagus Balzani (completely incredible!), Geophagus Altifrons, Pink Convicts, Firemouth Cichlids, Nicaraguense Cichlids, Pike Cichlids, Festae (true red terror) Cichlids, Red Peacock Cichlids, Eretmodus “Blue Point” Goby Cichlids, Lg Bright Electric Blue Ahli Cichlids, Umbriferum Cichlids, Electra Cichlids, Livingstoni Cichlids, Polystigma Cichlids, Compressicep Cichlids, Electric Blue Johannii Cichlids, Jacobfreibergeri Cichlids, Show! Geophagus Heckelii Cichlids, NEW! Temensis Peacock Bass (M/L), NEW! Fire Jaguar Cichlids, Festivum Cichlids, Medium

Green Terror Cichlids, Altispinosa Rams, Large Gold Severums, Small Assorted Oscars, Medium Assorted Oscars, Assorted Peacock Cichlids, Red Zebra Cichlids, Socolofi Cichlids, Redfin Borelli Cichlids, Kribensis, Daffodil Brichardi Cichlids, Frontosa Cichlids.

**Angelfish / Discus** – Jet Black Veil Angelfish, Koi Angelfish, Zebra Veil Angelfish, Assorted Angelfish, Medium Assorted Angelfish, Wild Caught Large Altum Angelfish, Stendker German Assorted Discus (few).

**Other** – Red-Nosed Shrimp, Blackberry Shrimp, Common Japonica Shrimp, Dwarf African Frogs, Medium Fire Eels, Mystery Snails, Saber Tusk Barracudas, Electric Blue Crayfish (LG), Dwarf African Frogs, Brown African Clawed Frogs, Albino African Clawed Frogs, Orange Japonica Bee Shrimp, Roseline Denisonii Sharks (Tank Bred!), Bala Sharks, Redtail Black Sharks, Black Sharks, Rainbow Sharks, Black Ghost Knives, Tiretrack Eels, Lungfish (huge), African Butterflyfish, Distichodus Sexfasciatus, South American Dragonfish, NEW! Blue Form Stiphodon Goby Pairs, NEW! Japanese Electric Blue Stiphodon Goby Pairs, Florida Alligator Garfish, NEW! Red Belt Climbing Rock Goby Pairs, NEW! Japanese Carp Gudgeon Goby Pairs, NEW! Forest Halfbeaks.

**Goldfish** – Lg Super Quality Chinese Orandas, Chinese Butterfly Panda Telescope Goldfish, Small Assorted Fantail Goldfish, Medium Ryukin Goldfish Assortment, S/M Assorted Oranda Goldfish.

#### **LIVE AQUARIUM PLANTS:**

Now in Stock: NEW! Proserp. Pectinata Bunches, Moss Balls, Amazon Swords, Ammania Bunches, Bacopa Bunches, Rotala Indica Bunches, Wisteria Bunches, Hygro Kompat in pots, Dwarf Baby Teardrop, Giant Hairgrass, Anubias Nana, Anubias Congensis, Bronze Cryptocorynes, Dwarf Sagittaria, Harbich Swords, Ambulia Bunches, Didiplis Diandre Bunches, Cabomba Bunches.

#### **SALTWATER FISH:**

**Angels / Butterflyfish** – Queen Angelfish, Coral Beauty Angelfish, Flame Angelfish, Atlantic Pygmy Angelfish, Annularis Angelfish,

Mertensii Butterflyfish, Yellow Angels, Baby Koran Angelfish, Red Sea Asfur Angelfish, Flagfin Angel, Bluespotted Poma Angelfish, Large Majestic Angelfish, Black & White Heniochus Butterflyfish

**Clownfish** – Tank Bred Ocellaris Clownfish, Tank Bred Jaffa Ocellaris Clownfish, Tank Bred Teardrop Ocellaris Clownfish, Maroon Clownfish, True Percula Clownfish, Sebae Clownfish, Assorted Tank Bred Clownfish, Gold Bar Maroon Clownfish, Black Melanopus Clownfish

**Gobies / Blennies / Jawfish** – Black Sailfin Blennies, Blue Dot Watchman Gobies, Yellow Watchman Gobies, Green Banded Gobies, Yellowhead Jawfish, Red Striper Trimma Gobies, Male Bicolor Blennies, Firefish Gobies, Yellow Clown Gobies, Randalli Gobies, Diamond Sifter Gobies, Dragon Sifter Gobies, Pink Spot Watchman Gobies, Algae Blennies, Candy Cane Gobies, Pink Barred Gobies, Blue Torpedo Gobies.

**Wrasses / Hogfish** – Brown Bird Wrasses, Mexican Rainbow Wrasses, Scotts Velvet Fairy Wrasses, Banana Wrasses, Coral Hogfish, Super Male Carpenters Fairy Wrasses, Super Male Filamented Fin Fairy Wrasses, Lunare Wrasses, Formosa Wrasses, Solorensis Fairy Wrasses.

**Tangs / Rabbitfish** – Sailfin Tangs, Desjardini Sailfin Tangs, Small, Medium & Jumbo Yellow Tangs, Yellow Eye Kole Tangs, Red Sea Purple Tangs (super low price too!), Brown Scopas Tangs, Clown Tangs, Chocolate Tangs, M/L Blue Regal Tangs, Powder Blue Tangs.

**Triggerfish / Eels / Puffers** – Rectangulus Triggerfish, Valentini Pufferfish, Humu Triggerfish, Niger Triggerfish, Bursa Triggerfish, Jumbo Niger Triggerfish, Snowflake Moray Eels, Chainlink Moray Eels, Dogface Pufferfish, Stars & Stripes Dogface Pufferfish, Orangetail Blue Spotted Sharpnose Pufferfish, Yellow Belly Dogface Pufferfish.

**Lionfish/Scorpionfish** – Pink Rhinopius, Black Volitan Lionfish, Fuzzy Dwarf Lionfish.

**Other** – Purple Basslets, Scooter Blennies, Flame Hawkfish, Tank Bred Yellow Seahorses, Hifin Perchlet (pygmy hawkfish), Evansi Anthias, Red Lyretail Anthias, Assorted Damsel fish, Panther Groupers, Miniatus

Groupers, Bicolor Basslets, Pajama Cardinalfish, Spotted Hawkfish, Red Squirrelfish, Shark Egg Capsules.

## **INVERTEBRATES:**

**Snails / Cucumbers / Starfish / Urchins** – Zebra Turbo Snails, Mexican Turbo Snails, Atlantic Turbin Snails, Large Nassarius Snails, Pink & Green Cucumbers, Bright Yellow Dwarf Cucumbers, Chocolate Chip Starfish (not safe for reefs), Tuxedo Urchins.

**Crustaceans** – Tiger Pistol Shrimp (finally!), Scarlet Reef Hermits, Hairy Red Leg Hermits (not for reefs), Common Hermit Crabs (not for reefs), Yellow Tip Reef Hermits, Emerald Crabs, Blue Knuckle Reef Hermits, Skunk Cleaner Shrimp, Coral Banded Shrimp, Golden Banded Shrimp, Caribbean Peppermint Shrimp, Blue Spiny Reef Lobster, Peacock Mantis Shrimp (must live alone!), Redtip Reef Hermits, Sally Lite Foot Crabs, Arrow Crabs, Common Pistol Shrimp.

**Corals / Polyps / Mushrooms** – Neon Green Branching Hammer Corals, Duncan's Whisker Corals, Orange Echinophylia Corals, Assorted Favia Brain Corals, Pink Cynarina Meat Coral, RARE! Purple Mushroom Polyps, Cultured Acropora Solitariensis, Cultured Torch Corals, Red & Green Trachophylia Corals, Fungia Plate Corals, Platygyra Worm Brain Corals, Australian Scolymia Corals, Australian Cynarina Corals, Australian AWESOME Acanthastrea Corals, Orange Eye Echinophylia Corals, Australian Green Wall Hammer Coral, Toadstool Leather Corals, Finger Leather Corals, Cauliflower Leather Corals, Devils Hand Leather Corals, Assorted Frag Corals, Assorted Zoanthid Polyps, Bright Red Mushroom Rocks, Marble Mushroom Rocks, Assorted Indonesian Mushroom Rocks, Green Star Polyps, Pink Zoanthid Rocks, Pulsing Xenia Rocks.

**Other** – Cultured Maxima Clams, Tigertail Sifting Cucumbers, Assorted Color Feather Dusters, Sea Apple, Bubble Anemones, Long Tentacle Anemones, Sebae Anemones, Rock Anemones, Florida Condylactus Anemones, Hard Tube Assorted Color Coco Worm Feather Dusters.

We just received 250lbs of fresh live rock!! This rock is NOT cured BUT if you come in and select the pieces you want and pay for them, we will tag the rock and hold it at the store until it is cured and ready for pick up. We'll call you when it's ready! Who else would do such a thing lol!!

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.